

## SacPAS Online Tools FAQs

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

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### 1. What kinds of online tools are on SacPAS?

SacPAS offers many kinds of online tools:

- Data visualizations and tables
- Data and image downloads
- Reports with graphs and tables
- Ecological modeling tools (hindcasts, forecasts, exploratory)
- 3<sup>rd</sup> party (not from SacPAS team) modeling tools from published studies
- All above can have customized query interfaces

Inputs to the online tools can include:

- Historical, real-time, forecasted data
- Fish, environmental, operational data, and integrated data types
- Statistical summaries and calculated metrics
- Ecological references, trigger thresholds, etc.

### 2. Who is your target audience?

Regional monitoring groups and teams, regional agencies and organizations, regional scientists, and the general public.

### 3. What kinds of online tools can I request to have on SacPAS?

Any listed in response to question #1. Please feel free to inquire about the SacPAS team's capacity to develop a new type of tool.

### 4. How long does it take to create a new tool on SacPAS?

It depends on the request; it can take a couple days to a year dependent on the complexity of request and data availability. Some recent examples:

❖ Water Temperature 7DADM metric for automated download: requested via email, 7DADM (7-day average of daily maximum) Water Temperature is a known metric (i.e., little clarification of request was needed), component data (hourly) is readily available from CDEC, and SacPAS already has existing processes to upload data from CDEC. It took 2 days from request to implementation.

❖ San Luis Reservoir (sum of state and federal CDEC stations): requested via email. It took 5 days from request to implementation.

❖ Generation of aggregate data files, updated daily for download: required consultation meeting and multiple iterations over email. Created downloadable archive of 20+ files updated on daily basis specific to user's request. It took 1 month from request to final implementation.

### 5. How can I request a new tool or data product/service on SacPAS?

Please fill out the request form (see handout #2) and/or contact the SacPAS team at [web@cbr.washington.edu](mailto:web@cbr.washington.edu). The SacPAS team is happy to discuss your request, needs, requirements, and whether SacPAS can deliver the request as needed.

### 6. Can I automate data or product retrieval from SacPAS?

Yes. Multiple data queries offer the option to generate a query URL based on the current selections in the form. Look for the "Generate Query Result Link Only" checkbox on the query form, located to the right of the "Submit Query" button.

The generated URL can be used to query SacPAS from R and other programming environments without a web browser.

E.g., generate URL with output format "Download CSV Only" selected and in Rscript:

```
mydata <- read.csv(queryURL)
```

### 7. How can I report an error (product or data) that I see on the SacPAS website?

Please reach out to the SacPAS team at [web@cbr.washington.edu](mailto:web@cbr.washington.edu) with details of the error. The SacPAS Team will promptly investigate issues, respond with our findings, and make corrections as needed.

### 8. Questions?

Please email [web@cbr.washington.edu](mailto:web@cbr.washington.edu) with any questions you may have.