

Improving Bay-Delta, CA data accessibility and usability through an integrated data repository and visualization portal

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Abstract

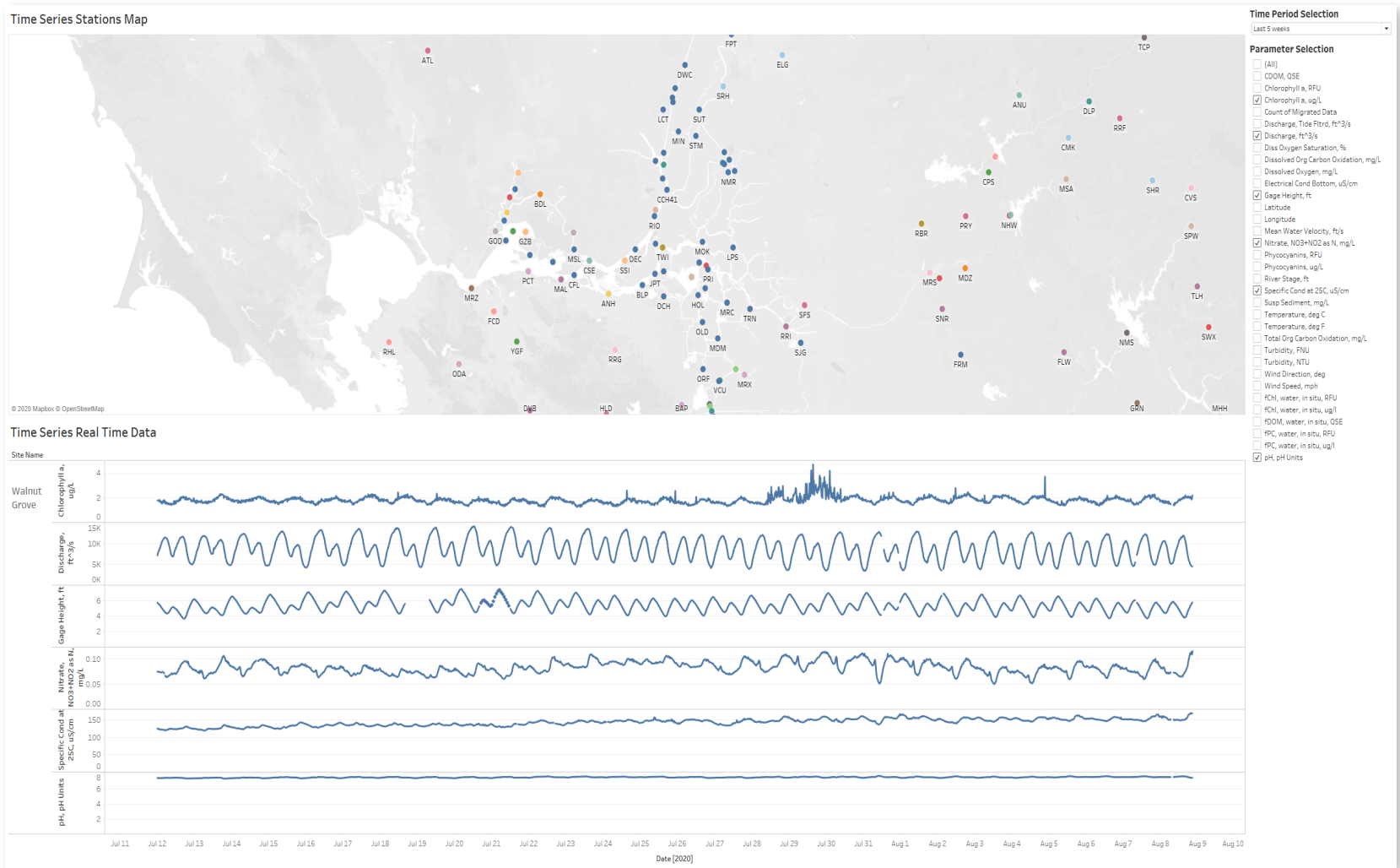
Timely access to water quality and habitat condition data—especially recent and real-time data—is vital to support responsive management and to facilitate a greater understanding of dynamics in aquatic habitats of the Sacramento-San Joaquin Delta. Web-based access to real-time and historical data can provide the ability to respond more quickly and in innovative ways to changing conditions in the Bay-Delta ecosystem as well as provide the foundation for interpretation of changing conditions over time.

We are attempting to integrate USGS data with other publicly available data into a single repository where they can be analyzed and visualized together using an on-line visualization portal; this will enhance the value and utility of all these data. Scientists, managers, and the public will be able to explore hypotheses and test ideas directly in the portal and download the relevant data with the click of a button. Interactive maps and animated time-series visualizations bring data to life and illustrate how the system interconnects in many complex and exciting ways. Along with partners and local stakeholders, we hope to improve access to a broad range of data types useful for monitoring aquatic habitat conditions and evaluating biogeochemical processes in the Delta. We invite discussions with stakeholders and prospective users about how we can best make this tool useful to the IEP community and what data you think should be accessible through the site.

We are focusing on the Bay-Delta and Suisun ecosystems at this time and will expand the effort to include data from the contributing watershed over the next several years.

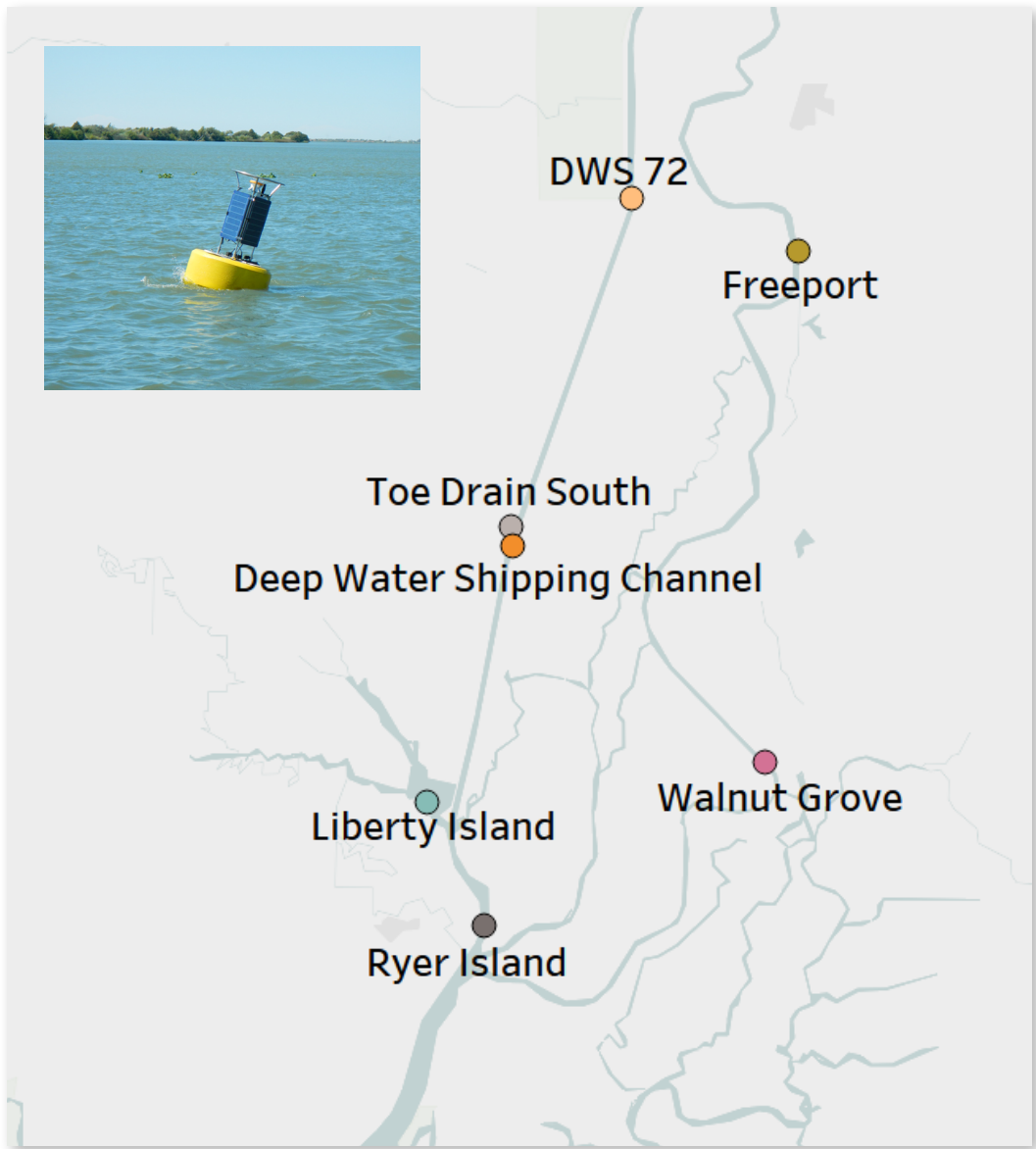


We are attempting
to integrate USGS data with
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analyzed and visualized together online.



USGS Bay-Delta Data Portal

The data portal integrates many data types, including: biogeochemical, hydrologic, geospatial, time-series, discrete/project-based, and others.



USGS real-time continuous stations provide approximately 300,000,000 data points per year.

Acknowledgements

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Access the USGS Bay-Delta
visualization portal

↓
<https://go.usa.gov/xfAWx>

We Want to Hear from You

Talk to us and help us brainstorm on how to best use and synthesize the Interagency Ecological Program’s diverse datasets.

Take the Survey!