June 2025

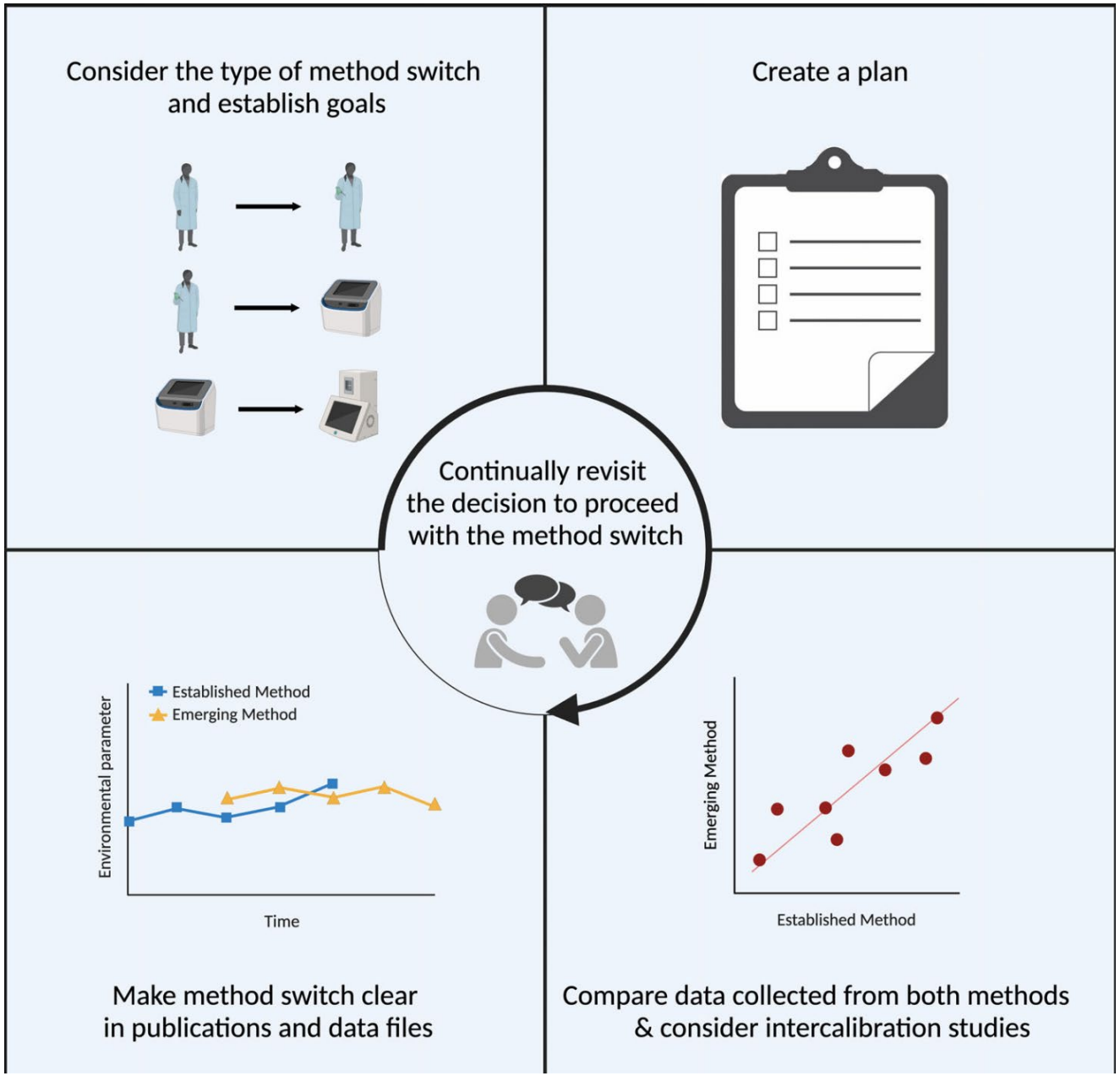
Lead Scientist Report

Delta Stewardship Council
A CALIFORNIA STATE AGENCY

Article Summary

- How to Continue Long-Term Datasets When Switching From Established to Emerging Monitoring Methods

  - Jones, C. L. C., Solomon, K. J., Arsenault, E. R., Edwards, K. D., Hosseini, A., Miraly, H., Mott, A. W., Münzner, K., Ogashawara, I., Olson, C. R., Seeley, M. E., & Tracey, J. C. (2025). Tried and true vs. shiny and new: Method switching in long-term aquatic datasets. Limnology and Oceanography Letters, 10(2), 151–157. https://doi.org/10.1002/lol2.10438



Best practices in method switching

Figure 3 from Jones et al. 2025, *Limnology and Oceanography Letters*

Delta Science Program Activities

- Delta Research Awards Seminar Series Now Complete
- Delta Collaboratory Kick-Off Meeting Occurred June 12

On Your Radar

- Final Report Released for Reservoir Simulation/Water Temperature Peer Review
- Inaugural Delta Carbon Team Meeting Occurred May 27
- New Delta topographic data being collected by plane **right now!**

CHABs prediction

David Senn, SFEI
Keith Bouma-Gregson, USGS

Salinity intrusion & management

Josué Medellín-Azuara, UC Merced

Tidal wetlands food webs & restoration

Rosemary Hartman, DWR
Denise Colombano, DSP
Matt Young, USGS
Daniel Ellis, CDFW

Delta Collaboratory Kick-Off

- **Spring/summer 2025**
- Kicking off 3 projects to explore how modeling and synthesis can address management priorities
- Intent is to develop decision-support tools that produce *actionable* outcomes for managing resources related to each of these topics

By the Numbers

Delta Science Program
DELTA STEWARDSHIP COUNCIL

By the Numbers

06/24/2025

Precipitation[1,2]

Percent average to 06/24

Northern Sierra

54.9" 105%

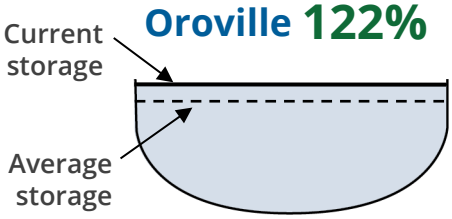
Central Sierra

26.3" 67%

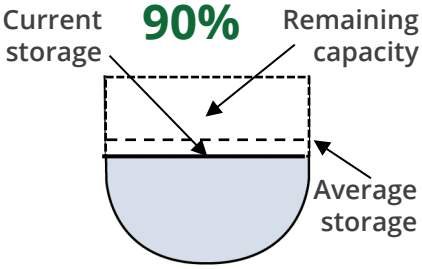
Reservoir Storage [4]

Percent average to 06/24

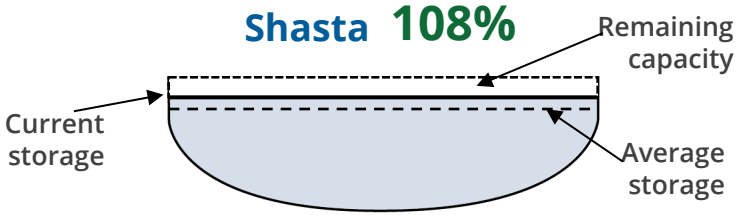
Oroville 122%



San Luis 90%



Shasta 108%



Water Temperature [3]

In degrees Fahrenheit

Average to 06/24 | Historical average

Clear Creek

56° 56°

Collinsville

68° 69°

Clifton Court Forebay

74° 74°

Water Flow and Quality [4,5,6]

Flow (cfs) | % of 21 year flow average Salinity (µS/cm) | (ppm)

Sacramento River - Freeport

14,750 cfs | 86% 145 µS/cm | 79 ppm

San Joaquin River - Vernalis

1,690 cfs | 36% 255 µS/cm | 140 ppm

Combined CVP + SWP - Diversion

5,234 cfs | 98% 237 µS/cm | 131 ppm

[1] https://go.usa.gov/xQsUc
[2] https://go.usa.gov/xQsUa
[3] https://go.usa.gov/xURFU
[4] https://go.usa.gov/xQsUr
[5] https://go.usa.gov/xQsU2
[6] https://go.usa.gov/xQsUT

<50% 50–74.9% 75–90% >90%