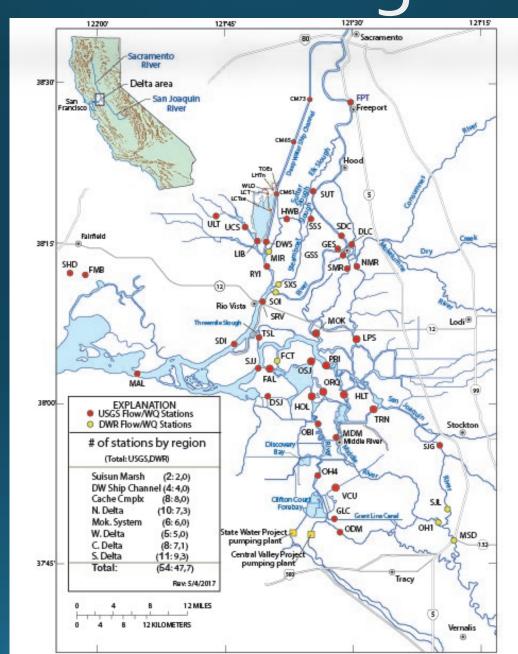
Use additional data collection and drought emergency to get agency funding for BDL

I have data collection funding from the BIG 3: DWR, USBR, SWRCB

Backbone Monitoring Program

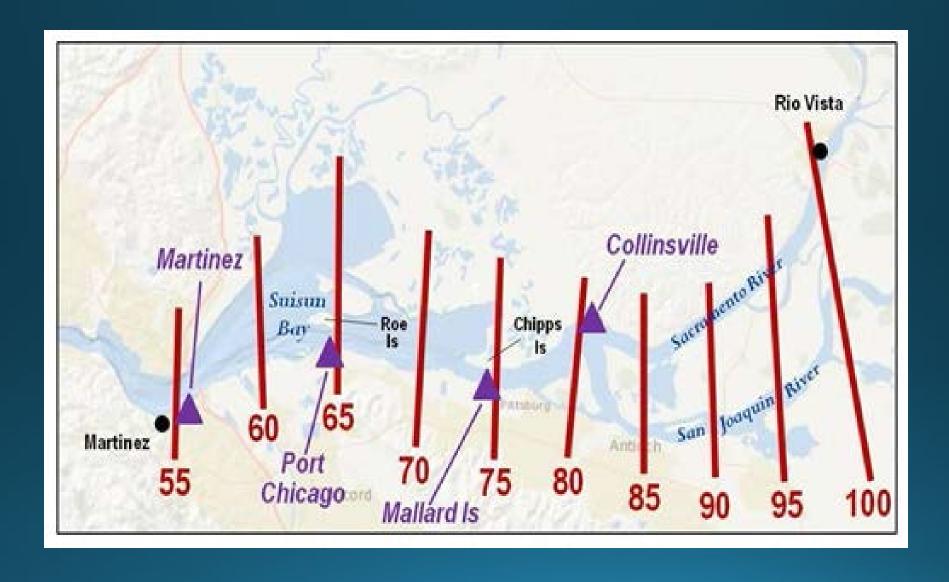


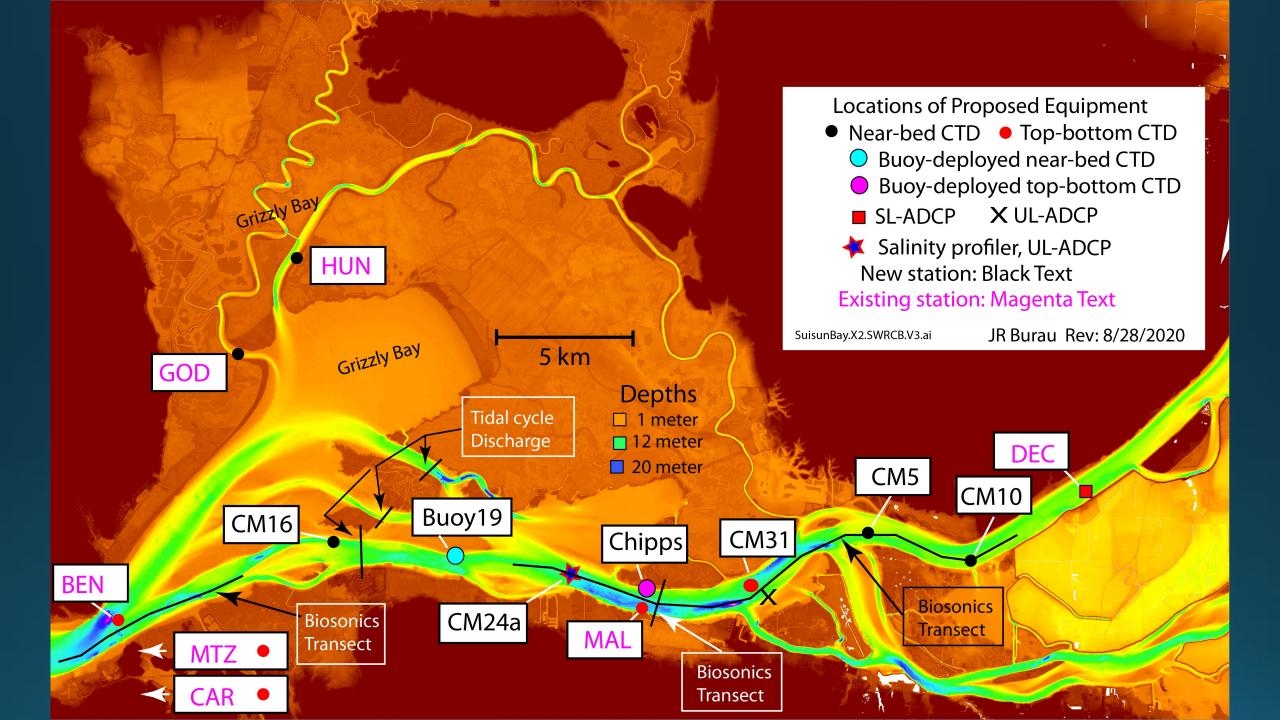
A study to (funded by SWRCB):
Accurately measure the position of X2
and

Conduct pilot level testing of salinity profiling equipment aimed at making dynamically-based predictions of X2



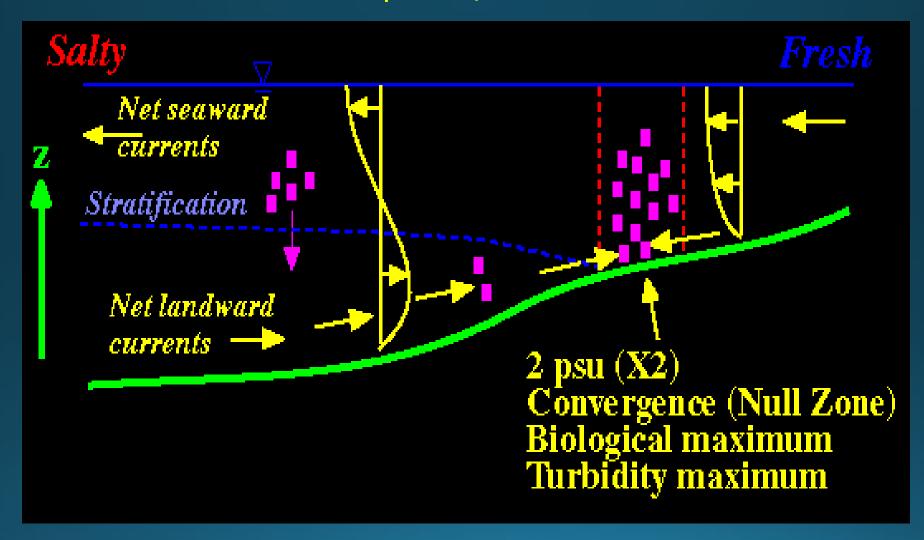
Location of X2 and data collection locations used to estimate X2





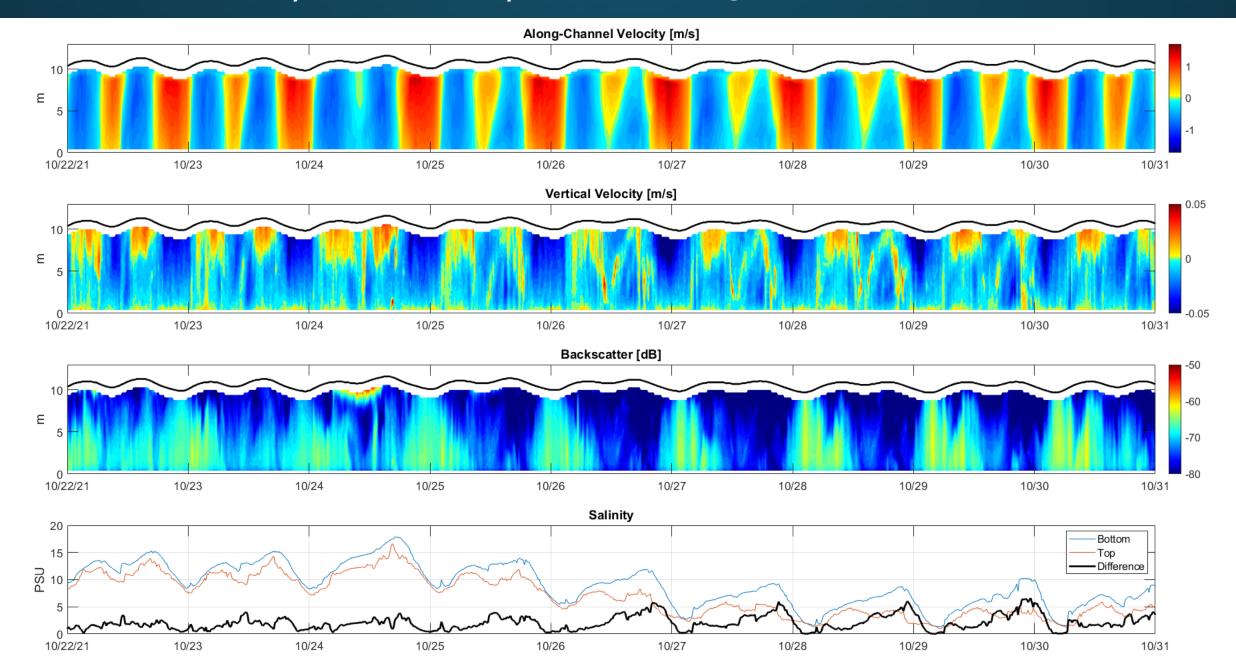


Existing Conceptual Model (Chesepeake, Columbia)

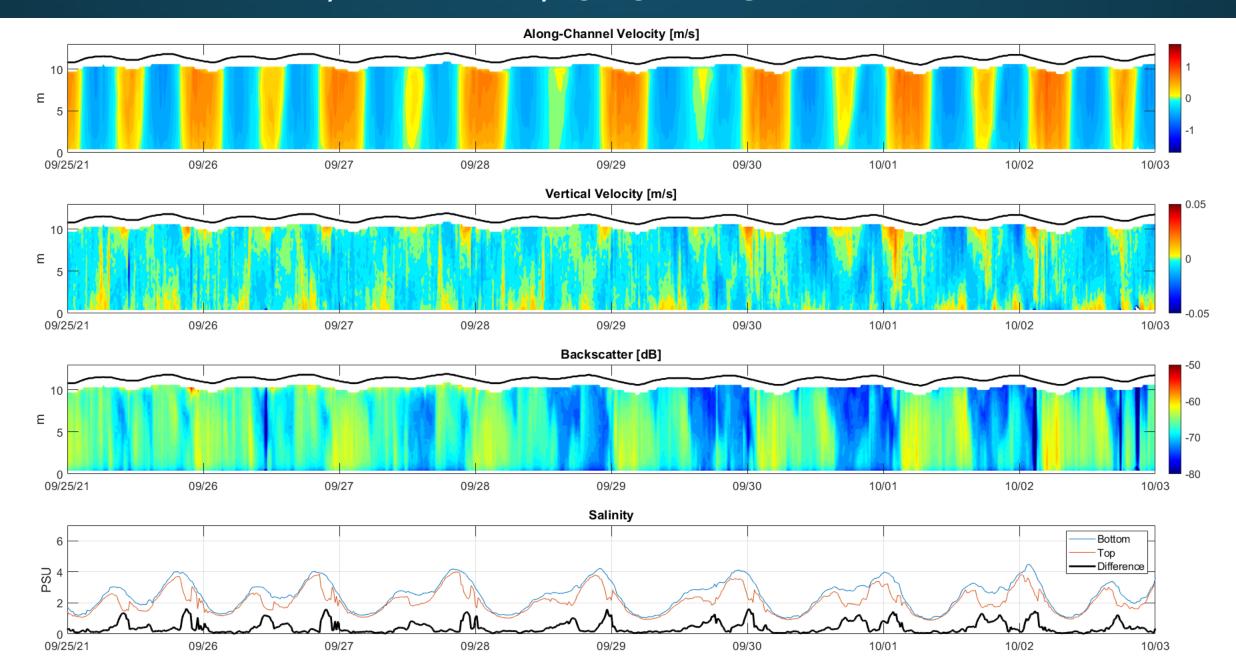




CM 24a – Velocity and Salinity, 10/22 – 10/31/2021

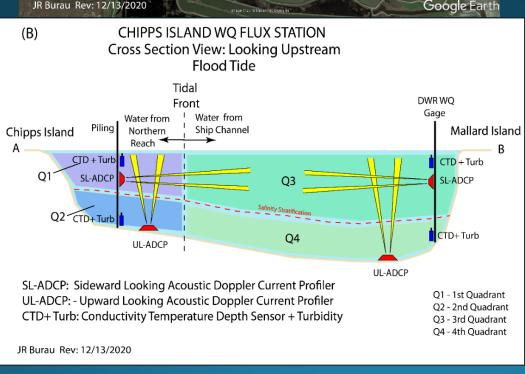


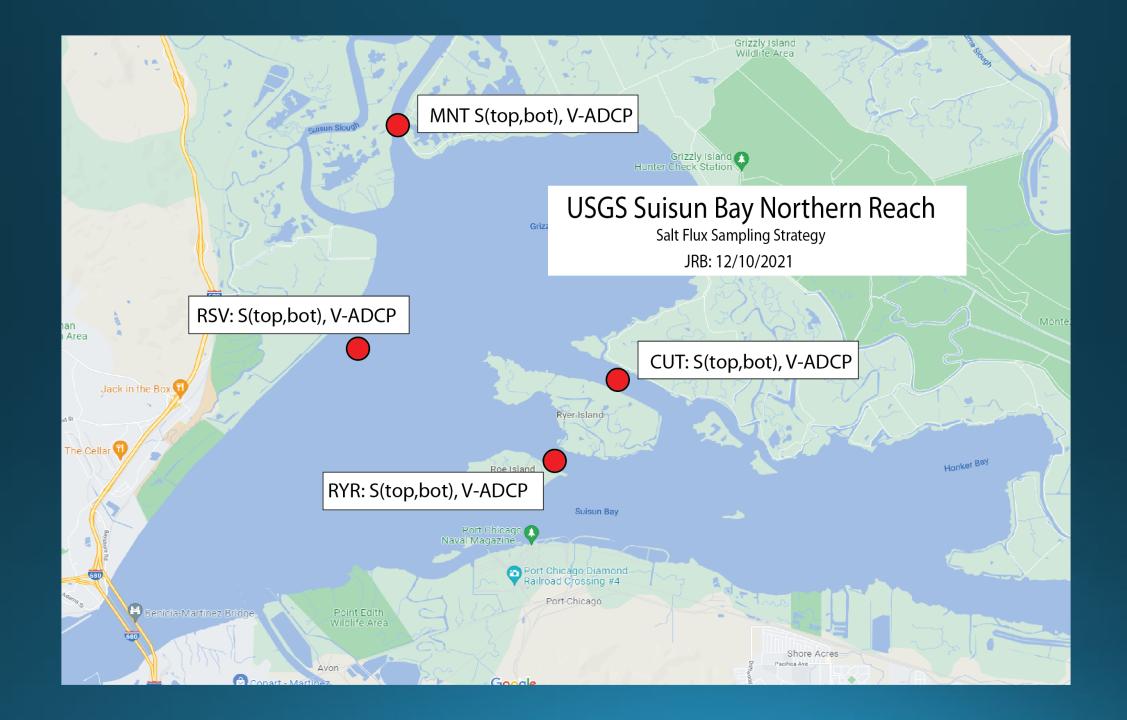
CM 18, SJ – Velocity and Salinity, 9/25 – 10/3/2021



SWRCB – New Work (start early 2023)





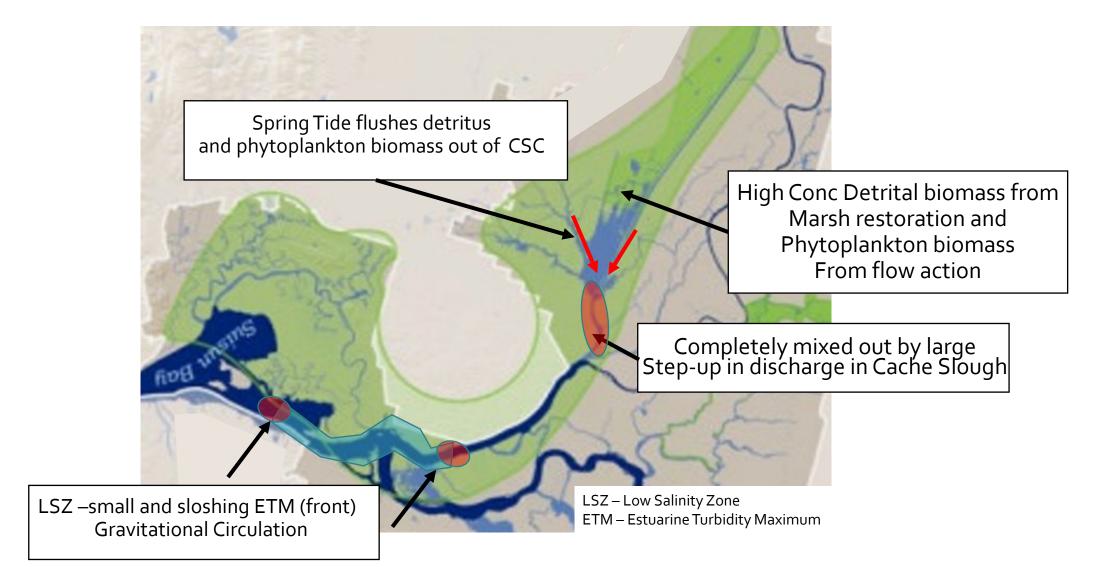


Linkage to Fall Flow Action



Export of negatively buoyant materials from Cache Slough Complex is severely diluted as it transits Cache Slough

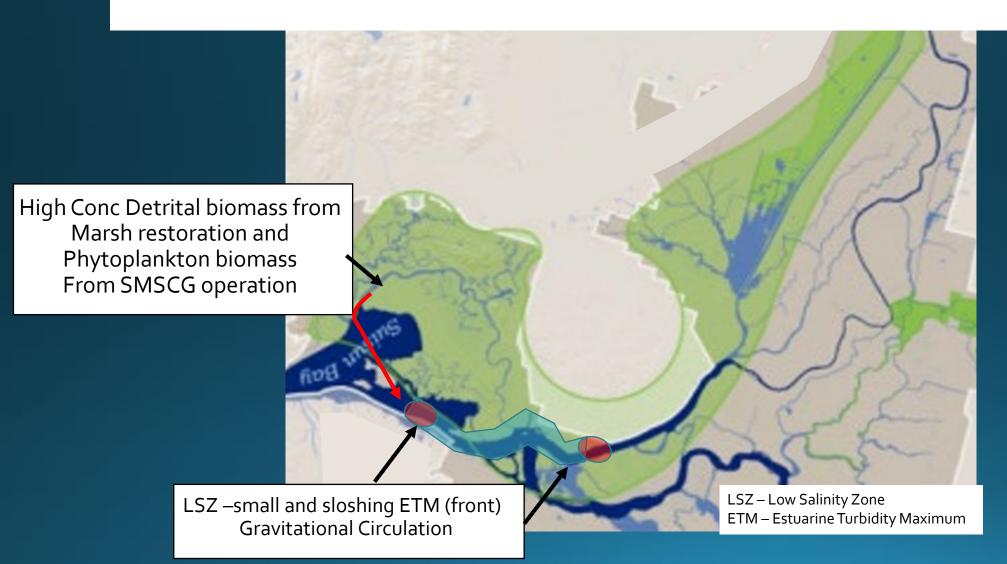
But... It is re-accumulated in the ETM



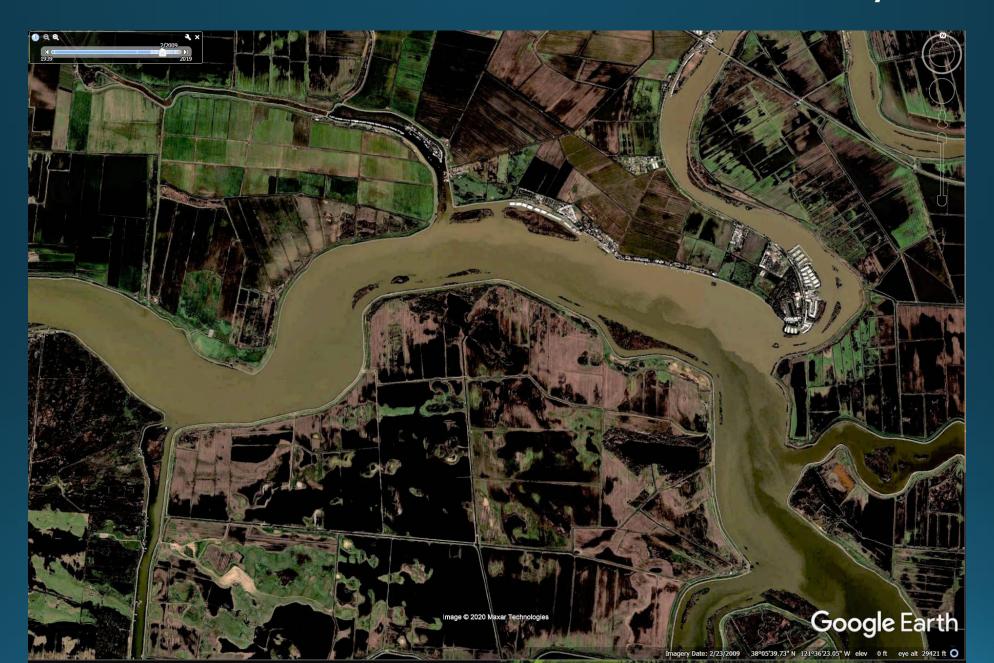
Linkage to SMSCG

Export of negatively buoyant materials from Suisun Bay Due to SMSCG operations

Will also accumulate in the ETM



Use BDL to educate on how delta really works





BDL could help us provide monthly updates On how the Delta is working: Drought, Atmospheric Rivers, Levee Failure

Embed algorithm using anomalies in flow Data as a first alert and to guide response To levee failure.

Show Example of monthly reports Produced using Tableau..