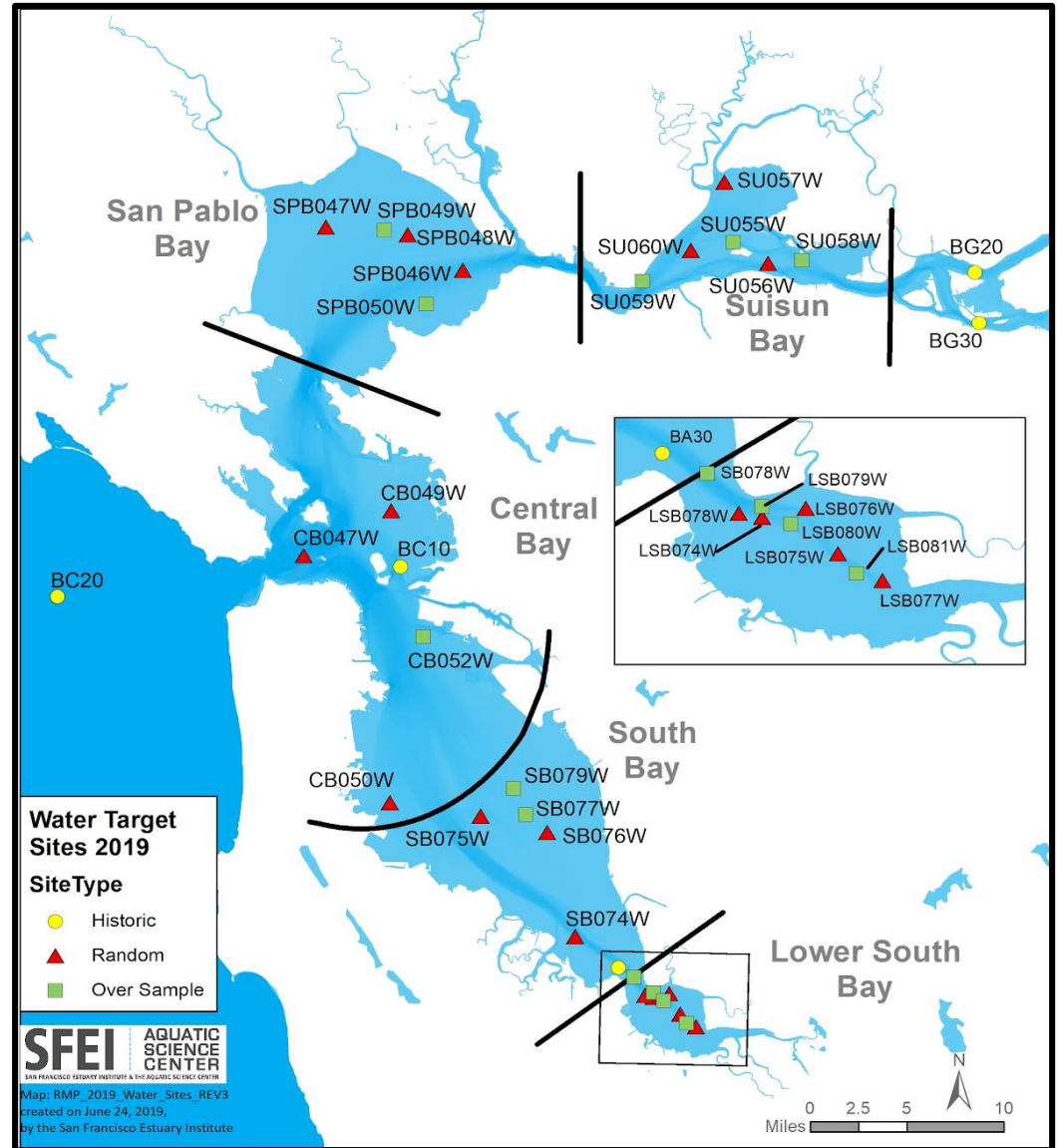


2019 Water Cruise: Update on Copper dataset and Rolling Averages



Calculating 3-Event Rolling Averages

- As part of the site-specific objectives (SSO), NPDES dischargers are required to calculate the 3-event rolling average of dissolved copper and total cyanide concentrations in each segment of the Bay, based on RMP data
- Data from the last three RMP water cruises (2015, 2017, and 2019) were used to update the averages



Sites With Results by Year & Region

		Suisun Bay	San Pablo Bay	*Central Bay	**South Bay	Lower South Bay
Copper (dissolved)	2015	3	3	4	4	5
	2017	3	3	3	4	5
	2019	3	3	4	4	5
	Total Samples in Rolling Average	9	9	11	12	15

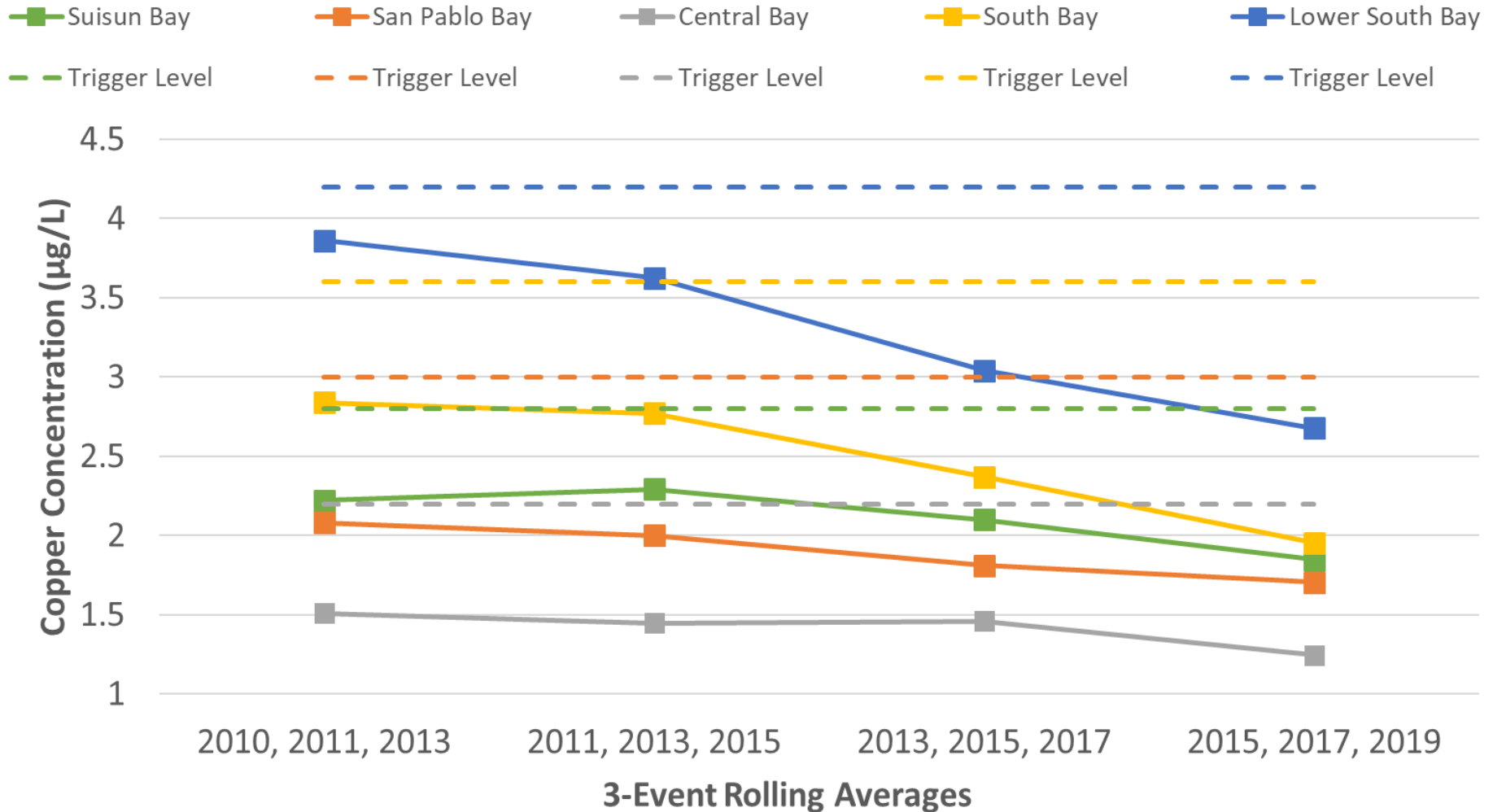
*Historical station BC10 included; **Historical station BA30 included

Copper Results

Region	Copper SSO (µg/L)	Copper TL (µg/L)	Previous Average (µg/L) (2013, 2015, 2017)	Current Average (µg/L) (2015, 2017, 2019)	Δ Rolling Average	Distance From TL
Suisun Bay	6.0	2.8	2.10	1.85	-0.25	0.95
San Pablo Bay	6.0	3	1.81	1.70	-0.11	1.30
Central Bay	6.0	2.2	1.46	1.25	-0.21	0.95
South Bay	6.9	3.6	2.37	1.96	-0.42	1.65
Lower South Bay	6.9	4.2	3.04	2.68	-0.36	1.52

- Copper rolling averages are below the trigger level (TL) in all regions
- Averages decreased in all regions

Trends in Copper Rolling Average



Dissolved Copper Results

