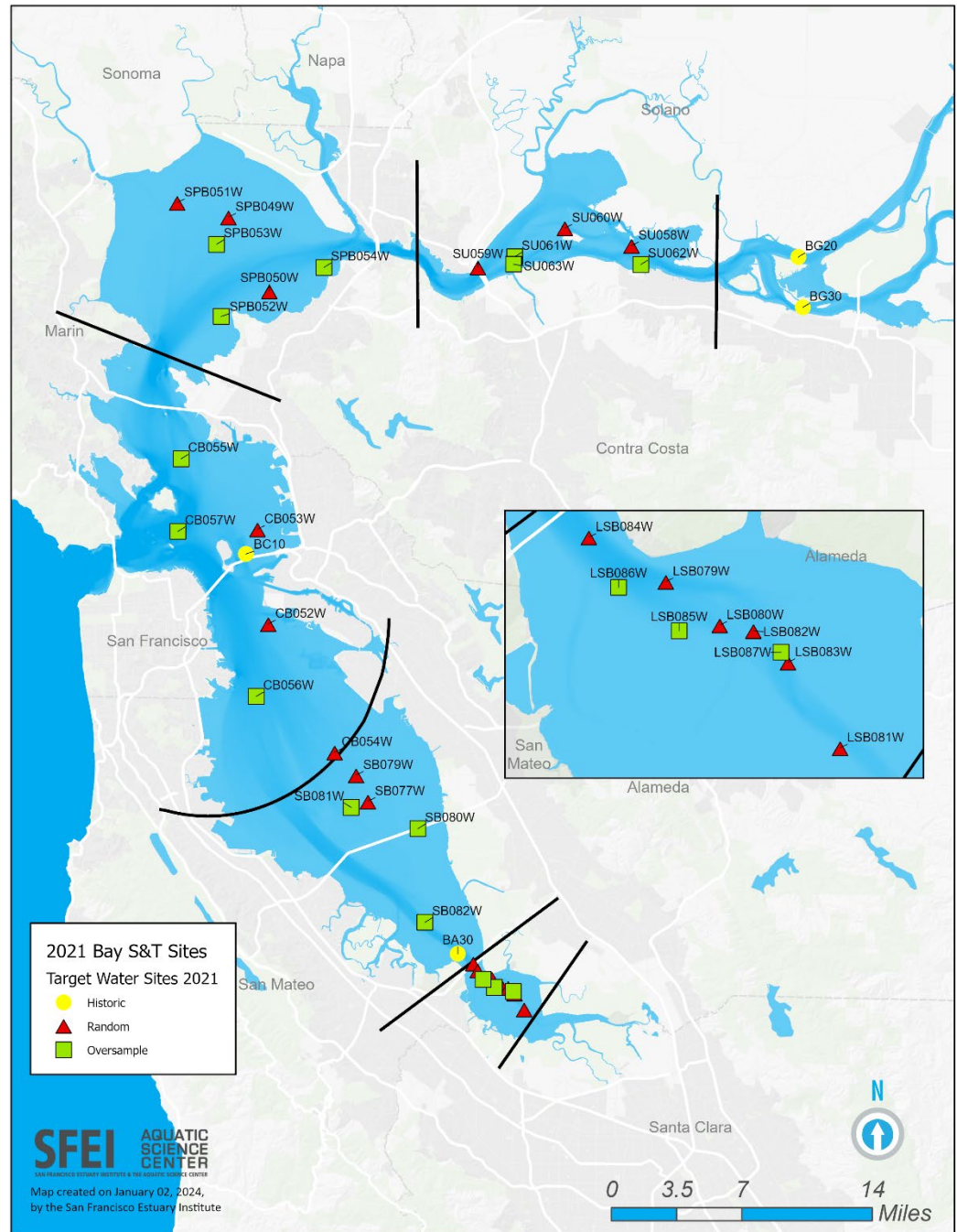


2021 Water Cruise: Update on Copper dataset and Rolling Averages



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 (2017, 2019, and 2021) 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)	2017	3	3	3	4	5
	2019	3	3	4	4	5
	2021	3	3	4	4	5
	Total Samples in Rolling Average	9	9	11	12	15

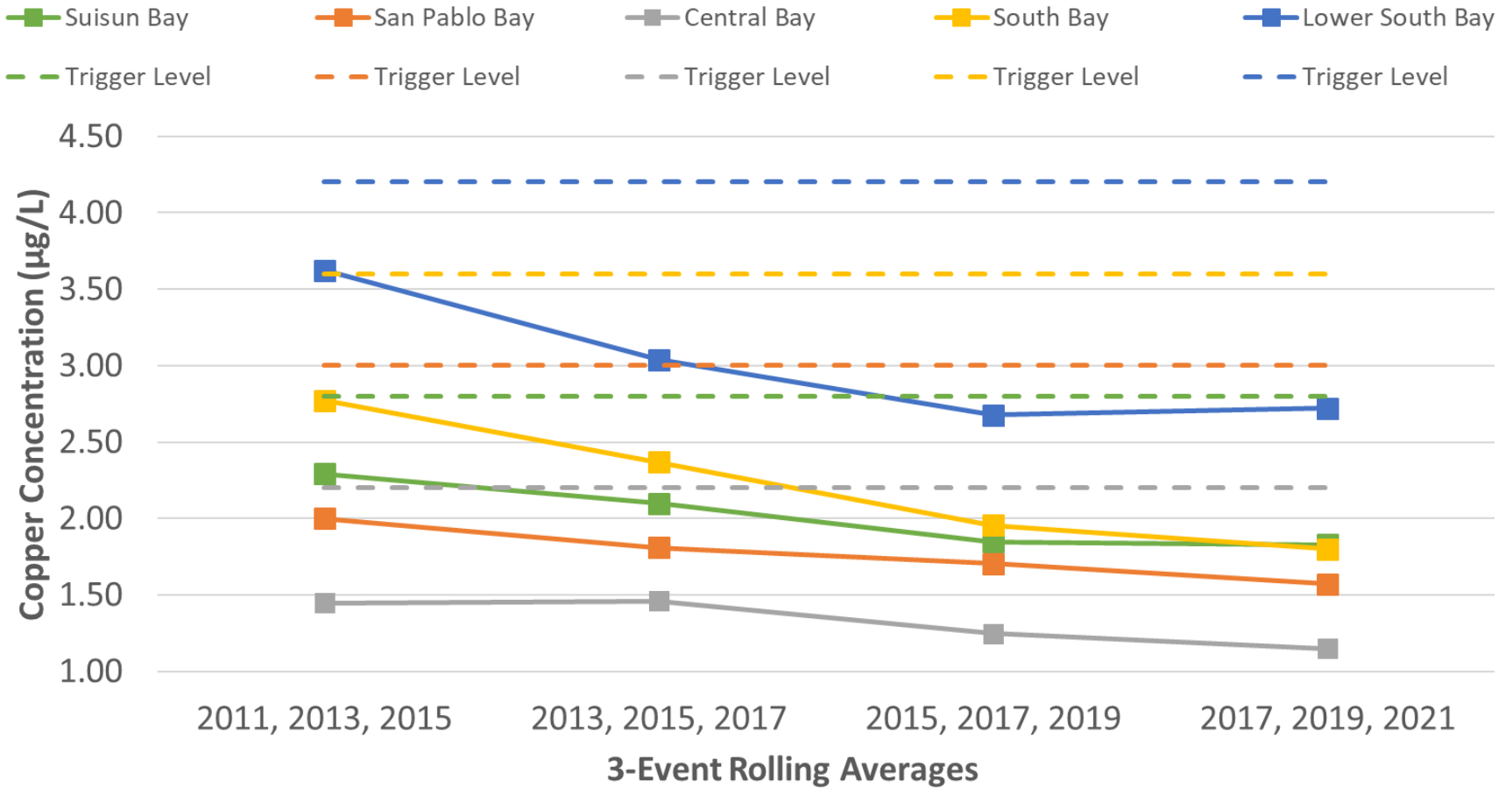
*Historical station BC10 included; **Historical station BA30 included

Copper Results

Region	Copper SSO (µg/L)	Copper TL (µg/L)	Previous Average (µg/L) (2015, 2017, 2019)	Current Average (µg/L) (2017, 2019, 2021)	Δ Rolling Average	Distance From TL
Suisun Bay	6.0	2.8	1.85	1.83	-0.02	0.97
San Pablo Bay	6.0	3	1.70	1.57	-0.13	1.43
Central Bay	6.0	2.2	1.25	1.15	-0.10	1.05
South Bay	6.9	3.6	1.96	1.80	-0.16	1.80
Lower South Bay	6.9	4.2	2.68	2.72	+0.04	1.48

- Copper rolling averages are below the trigger level (TL) in all regions
- Averages decreased in all regions, except for the Lower South Bay

Trends in Copper Rolling Average



Dissolved Copper Results

