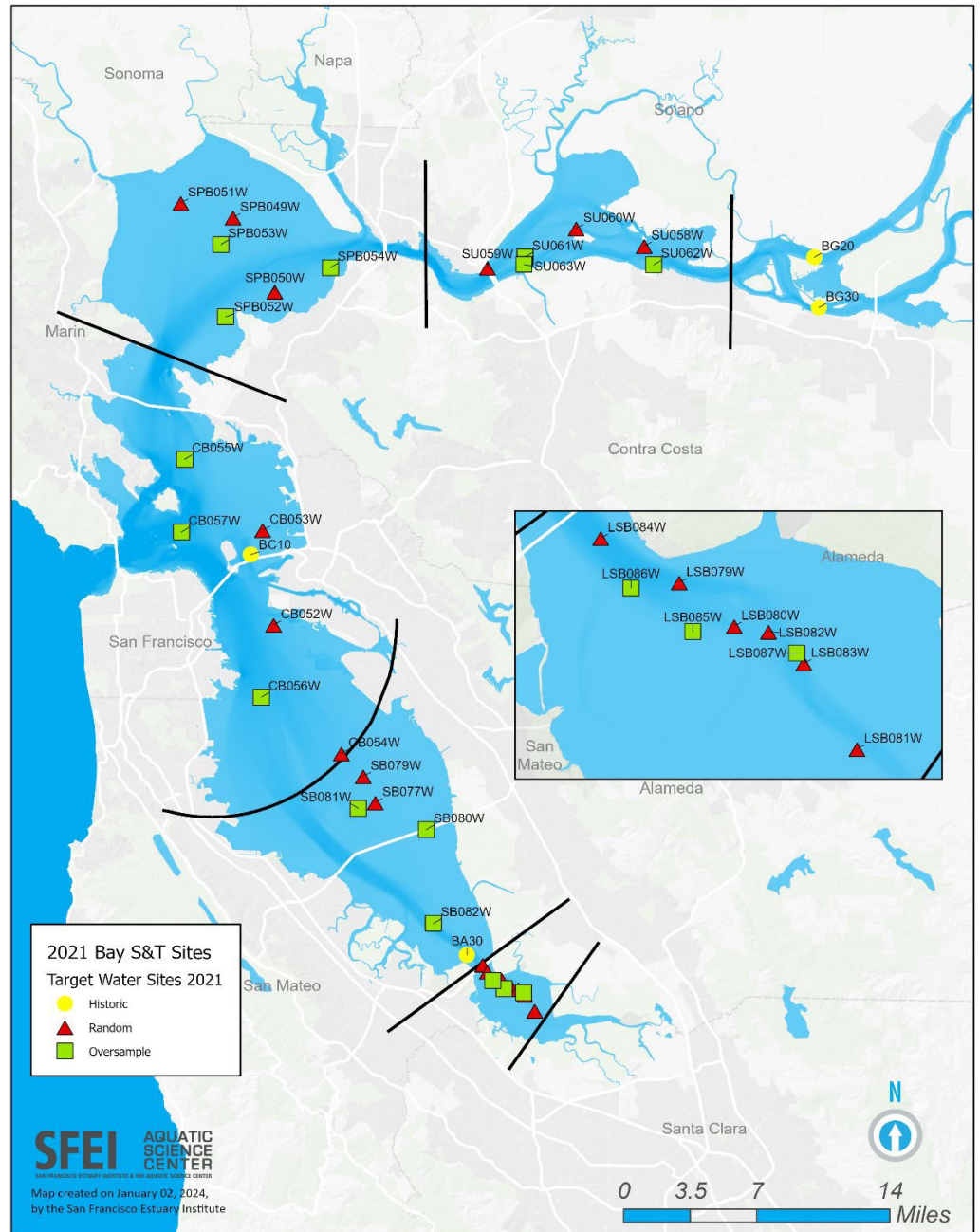


# 2021 Water Cruise: Update on Cyanide Rolling Averages



# 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
Cyanide (total)	2017	0	0	3	4	5
	2019	3	3	4	4	5
	2021	3	3	4	4	5
	<b>Total Samples in Rolling Average</b>	<b>6</b>	<b>6</b>	<b>11</b>	<b>12</b>	<b>15</b>

# Sites With CN- Results by Region and Year

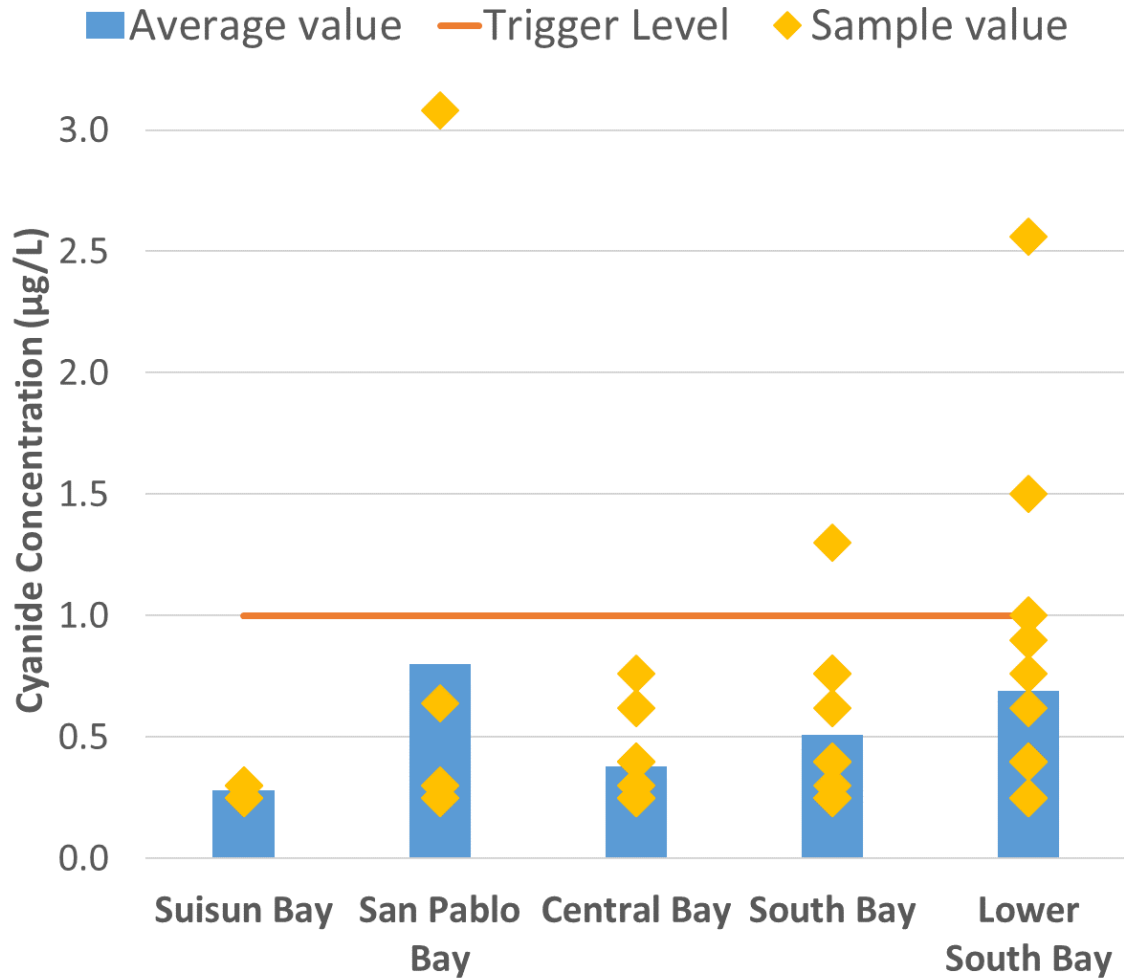
\*Historical station BC10 included; \*\*Historical station BA30 included

# Cyanide Results

Region	Cyanide 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	1	0.35	0.28	-0.07	0.72
San Pablo Bay	1	0.82	0.80	-0.02	0.20
Central Bay	1	0.36	0.38	+0.02	0.62
South Bay	1	0.45	0.51	+0.06	0.49
Lower South Bay	1	0.52	0.69	+0.17	0.31

- Cyanide trigger level (TL) is 1 µg/L in all regions
- Cyanide rolling averages are below the trigger level in all regions
- Suisun and San Pablo Bays showed decreases in the rolling average while Central, South, and Lower South Bay showed increases in the rolling average
- Method detection limit for cyanide is 0.5-0.9 µg/L

# Cyanide Results



# Trends in CN Rolling Average

