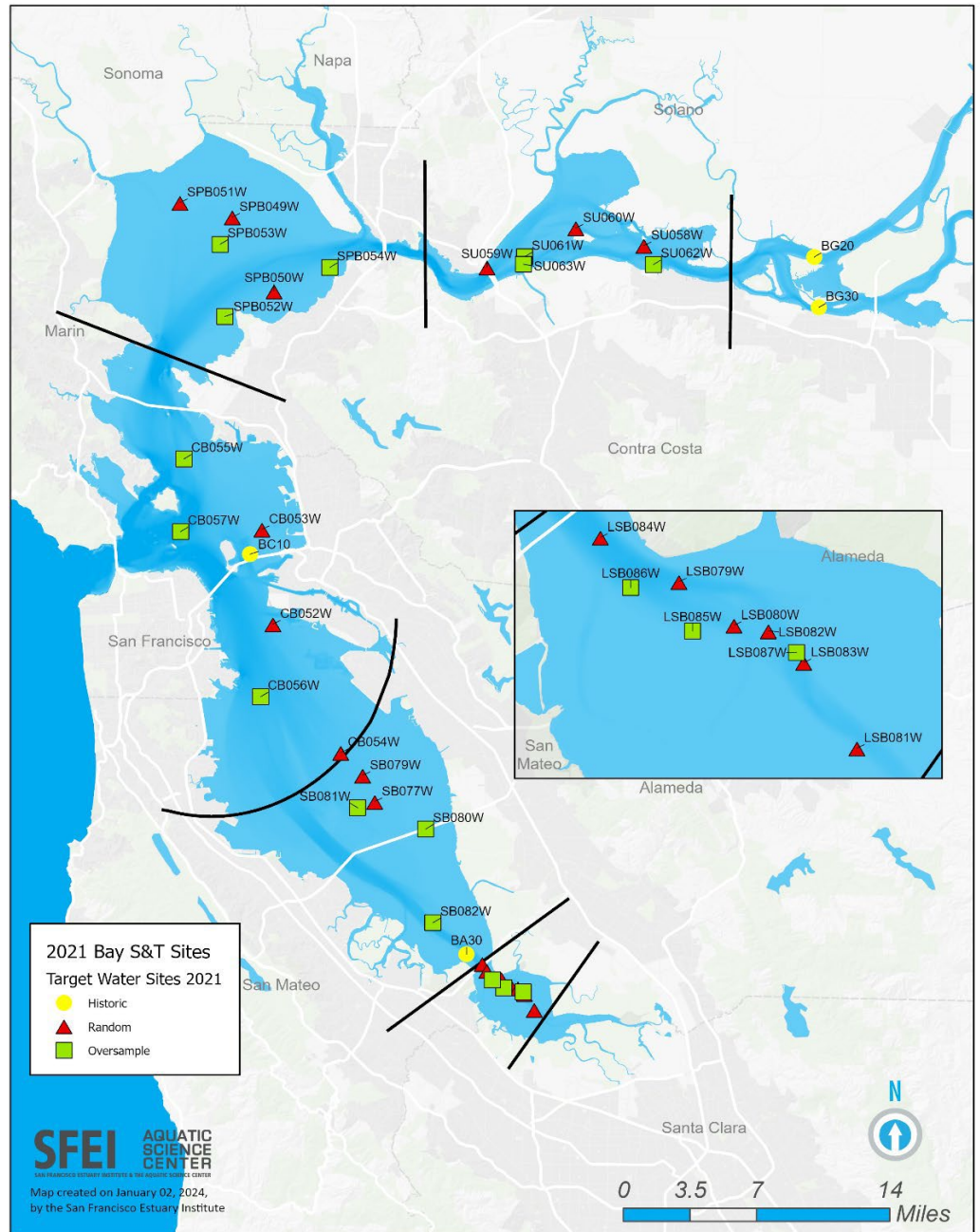


2021 Water Cruise: Update on Cyanide Rolling Averages



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 |
| | Total Samples in Rolling Average | 6 | 6 | 11 | 12 | 15 |

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

