

## **Data Analysis Exercise for Other Bays and Estuaries**

### **October 2019**

Sample monitoring data from San Francisco Bay mesohaline locations are provided in the Excel workbook: **SFB\_SQO\_Dataset.xlsx**.

These data are from stations located in three regions of San Francisco Bay: Lower Bay, Lower South Bay, and San Pablo Bay. Some of the dataset stations locations within these regions is shown in Figure 1. These regions are classified as mesohaline, meaning that they have reduced salinity (18-5 psu) and therefore cannot be assessed using the same tools and thresholds described in Water Quality Control Plan for habitats with higher salinity. Procedures for conducting an Aquatic Life SQO assessment for these regions is described in IV 1.A.j of the Water Quality Control Plan (SQO Plan).

#### **Instructions**

1. Review the sample dataset provided and use the guidance in the SQO Plan to select the appropriate types of results for evaluation.
2. Calculate the Line of Evidence (LOE) category for each station and enter it in the summary table provided below.
3. Determine the station assessment category for each station.
4. Based on your results, determine the 303d listing category for each region.

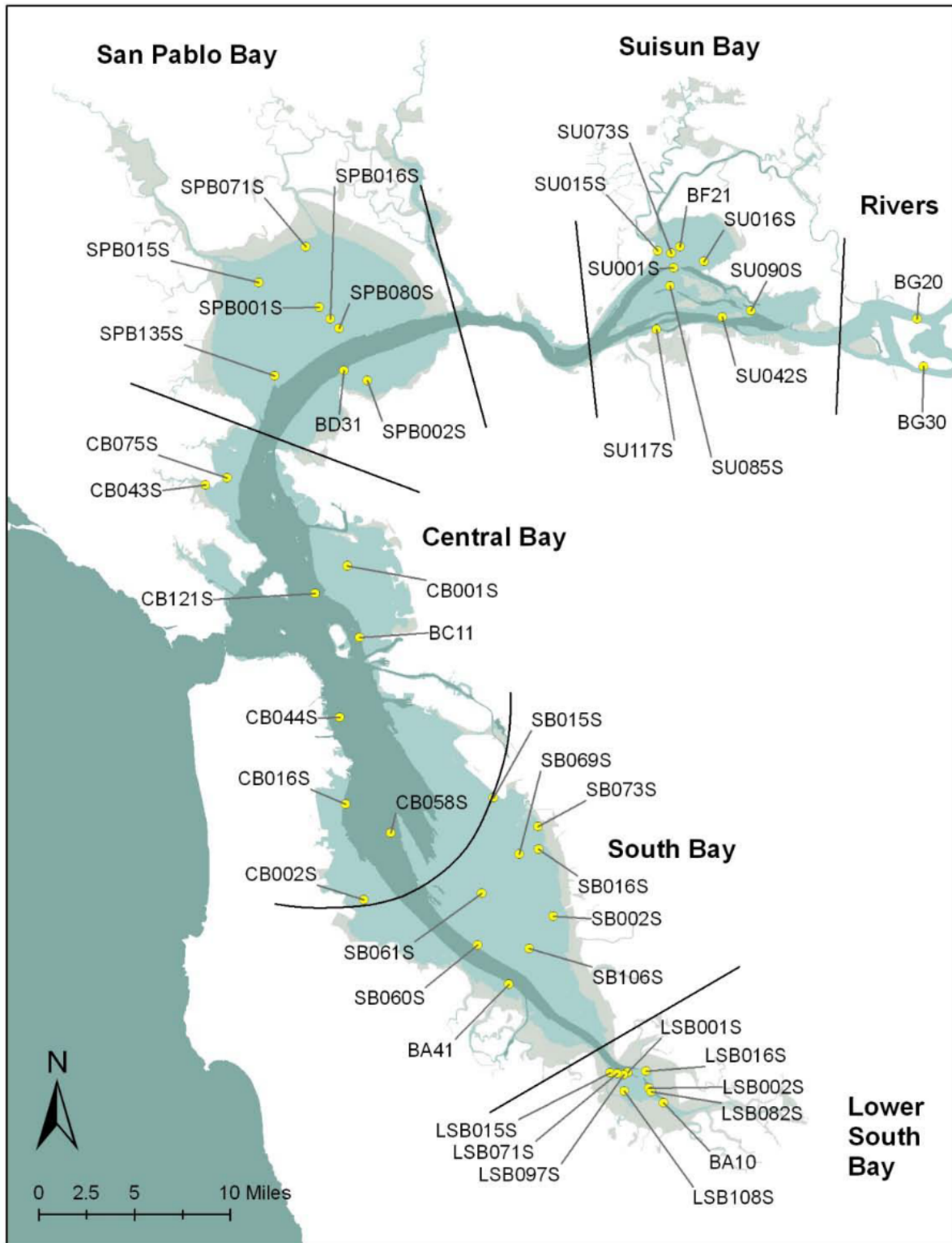


Figure 1. Regional monitoring stations in San Francisco Bay. Note: not all stations contained in the sample dataset are shown in this figure.

Station ID	Region	Toxicity Category	Chemistry Category	Benthic Category	Station Assessment
BA10	Lower South Bay				
LSB002S	Lower South Bay				
LSB024S	Lower South Bay				
LSB070S	Lower South Bay				
LSB121S	Lower South Bay				
BA41	South Bay				
SB002S	South Bay				
SB024S	South Bay				
SB041S	South Bay				
SB102S	South Bay				
BD31	San Pablo Bay				
SPB002S	San Pablo Bay				
SPB023S	San Pablo Bay				
SPB088S	San Pablo Bay				
SPB132S	San Pablo Bay				
	South Bay condition	-			
	Lower South Bay condition				
	San Pablo Bay condition				

South Bay condition

-

Lower South Bay condition

-

San Pablo Bay condition