

2020 SAN FRANCISCO BAY DATA EXPLORATION CHALLENGE

Sponsored By:



RMP

REGIONAL MONITORING
PROGRAM FOR WATER QUALITY
IN SAN FRANCISCO BAY

sfei.org/rmp

High School or University Student?
Help us learn about the Bay!

Prizes Awarded:

High School: 1st - \$500 and 2nd- \$250

University: 1st - \$500 and 2nd- \$250

Evaluation Criteria:

- Quality of graphic or analysis
- Quality of summary/abstract
- Scope of data used

SUBMISSIONS DUE 11/27/2020

FOR FULL CONTEST DETAILS VISIT • WWW.SFEI.ORG/EVENTS/DATACHALLENGE

Scenario:

An array of communities consume fish from San Francisco Bay, including low-income groups that depend on Bay fish as an inexpensive source of nutrition. To protect the health of these populations, we want to identify the safest places to go fishing. Not all fish from the Bay can be safely consumed regularly, due to mercury and PCBs, two contaminants that are present above thresholds for concern. Using provided maps of common fishing areas and data available in the Contaminant Data Display and Download (CD3) tool (cd3.sfei.org), explore areas where fishing and contaminant data overlap. Investigate contamination in and around these areas by looking at concentrations in sediment and/or tissue.

Tasks:

- Dive into the data at cd3.sfei.org (for help accessing the data visit cd3.sfei.org/faq.php)
- Analyze patterns and relationships in the data
- Create graphics that answer each question and include any necessary captions
- Write a summary that describes the methods used and important findings

Email submissions and questions to rmp-data-challenge@sfei.org



FOR MORE INFO ABOUT CD3,
CONTACT OUR SFEI
DATA SERVICES TEAM

ds@sfei.org

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