

# Education Outreach

## ACTIVITY SHEET



### PRESENTATION FORMAT

On-Site

### MATERIALS NEEDED

Supplied by Valley Water

### GRADE LEVELS

3rd to 5th

### DURATION

35 to 45 minutes

### NEXT GENERATION SCIENCE STANDARDS ALIGNMENT

Disciplinary Core Idea

- ESS3: Earth and Human Activity

Crosscutting Concept

- Stability and Change

Science and  
Engineering Practice

- Developing and Using Models

### COMMON CORE STATE STANDARDS ALIGNMENT

CCSS.ELA-Literacy.SL.4.1,  
4.1C, 4.4

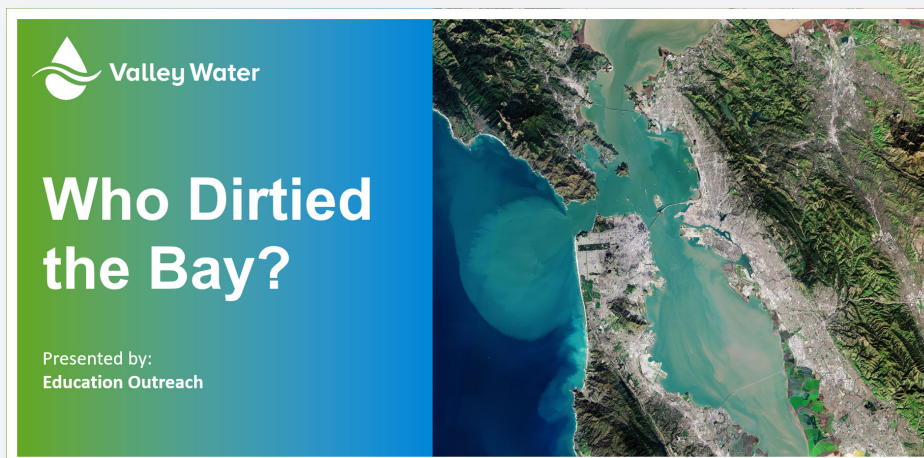
ACTIVITY NAME:

## Who Dirtied the Bay?



FOCUS QUESTION:

*How do humans change the planet?*



### BACKGROUND

The San Francisco bay is one of our most iconic natural habitats, but there is a problem: centuries of human impact have left the bay's water polluted. How has this happened, and what factors have led to this outcome? This activity aims to help students realize how much we pollute our local water ways, and provide different solutions to help prevent further pollution.



### ACTIVITY

Who Dirtied the Bay is an activity that demonstrates the many different pollutants that enter our San Francisco Bay. Together, students will see in real time how multiple factors combine to create the problems that we see today, as well as ways we can help stop their progression.



### QUESTIONS?

Email [education@valleywater.org](mailto:education@valleywater.org)

Website: [www.valleywater.org/learning-center/teachers-students](http://www.valleywater.org/learning-center/teachers-students)

