Our Combined Sewer System
Our Combined Sewer System

Domestic sewage (sinks, showers, toilets, etc.)

Stormwater collects in gutters and catch basins

During major storms wastewater discharges to the Bay or Pacific Ocean

Pumped to Treatment Plant
Our Combined Sewer System

Sewer Categories

- Local sewers (≤ 36 inches): 793
- Major sewers (> 36 inches): 166
- Transport storage boxes: 17
- Discharge locations: 2
- Tunnels: 17
- Force mains: 11
- Effluent outfalls: 5
- Total Miles: 1,011
Today’s Challenges

- Future Regulations
- Flooding
- Seismic Concerns
- Aging Collection System
- Operations Optimization
- Climate Change
SEWER SYSTEM IMPROVEMENT PROGRAM

Grey

Green

Clean

SYSTEM & SEISMIC RELIABILITY & REDUNDANCY

INNOVATIVE STORMWATER MANAGEMENT SOLUTIONS

PROTECTING PUBLIC HEALTH & THE ENVIRONMENT
Green Infrastructure

Rain Garden

Permeable Paving
EARLY IMPLEMENTATION PROJECTS

Baker Beach Green Street
Richmond Watershed

Sunset Blvd Greenway
Sunset Watershed

Holloway Green Street
Lake Merced Watershed

Chinatown Green Alley
North Shore Watershed

Wiggle Neighborhood Green Corridor
Channel Watershed

Mission & Valencia Green Gateway
Islais Creek Watershed

Upper Yosemite Creek Daylighting
Yosemite Watershed

Visitation Valley Green Nodes
Sunnydale Watershed
Project Area
Sewer System Challenges

Heavy rain events → Heavy overland flows → Increased stress on the sewer
**Project Goals & Objectives**

- Demonstrate & evaluate performance-based green infrastructure technologies
- Reduce localized overland flow occurrences
- Respond to community preferences through inclusive planning process
Green Infrastructure Opportunities

Manage stormwater runoff on site (El Camino Del Mar) ➔ Reduce overland flows ➔ Reduce stormwater in combined sewer system
Stormwater Management

Green infrastructure technologies:
+ rain gardens
+ pervious concrete

Filter & infiltrate runoff to reduce flows entering the combined sewer system.
What is Important to you?

- Nature Habitat Spaces
- Water Quality
- Environmental Education
- Traffic Calming
- Bicycle Improvements
- On Street Parking
Priorities Taking Shape…

- On Street Parking
- Nature Habitat Spaces
- Environmental Education
- Traffic Calming
- Water Quality
- Bicycle Improvements

Conceptual Green Infrastructure Street
Project Schedule  $6.0 million Budget

- Gathering public feedback today and online
- Developing design concepts
- Coming back to the community to hear your thoughts
THANK YOU!

Learn more about the project:
www.sfwater.org/bakerbeachgreenstreet

Provide your input online:
www.bakerbeach.metroquest.com