

# BACWA Annual Meeting



City of San Mateo

May 2, 2025

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Public Works Director

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# What We Do

## Design, maintain, repair, clean:

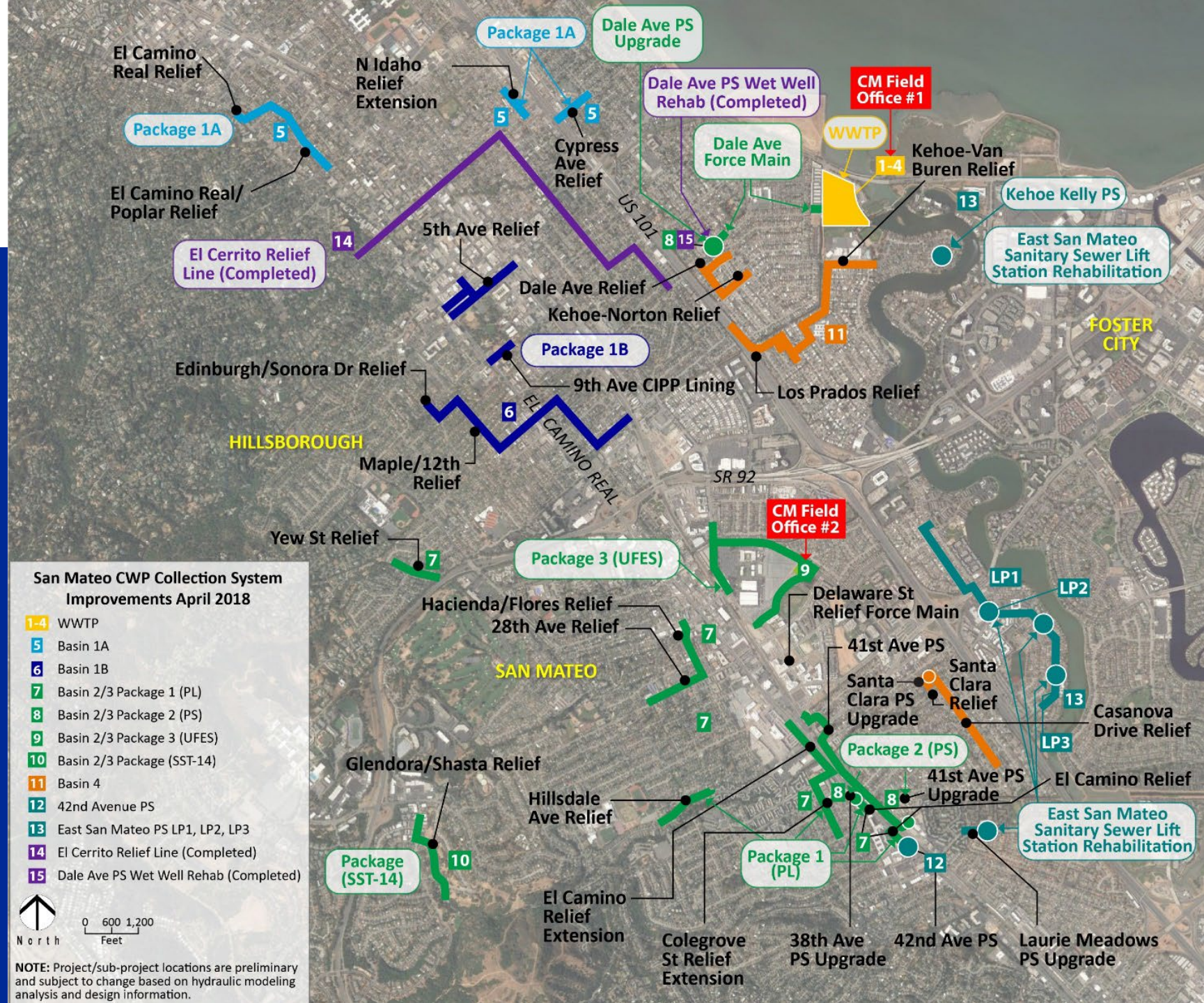
- 210 miles of City streets
- 380 miles of sidewalks
- 87 traffic signal intersections
- Over 7,000 streetlights
- 11 publicly-owned parking lots and garages
- 260 miles of sewers
- 130 miles of storm drains
- 20 miles of open creeks and drainage canals
- 27 sanitary sewer pump stations
- 10 storm drainage system pump stations
- 3 dams
- 1 flood-control lagoon
- 3 miles of bay front levees
- 1 wastewater-treatment plant that serves San Mateo, Foster City, Hillsborough and portions of unincorporated San Mateo County





# Clean Water Program

- ~\$1 billion, 10 year effort
- Wet Weather Management
- Collection System Rehabilitation and Capacity Improvements
- WWTP Upgrades
  - Nutrient Removal
- Anticipated completion in Fiscal Year 2025/2026





# Underground Flow Equalization System



Event Center Site Excavation  
(March 2022)



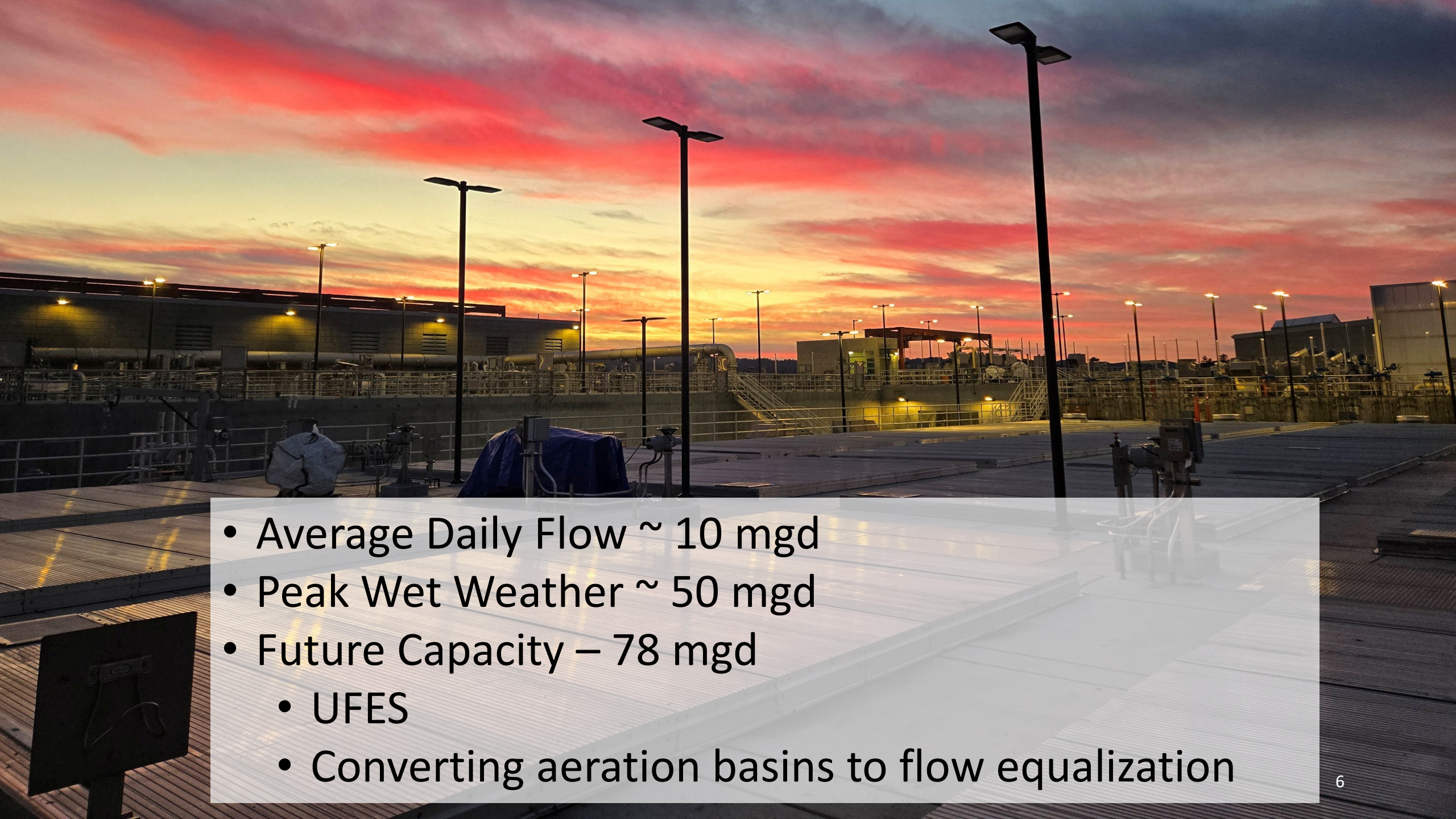
Saratoga Pipe Installation



# WWTP Upgrade & Expansion





- 
- Average Daily Flow ~ 10 mgd
  - Peak Wet Weather ~ 50 mgd
  - Future Capacity – 78 mgd
    - UFES
    - Converting aeration basins to flow equalization



# Stormwater System



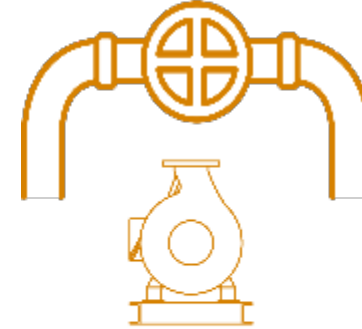
**130 miles**  
of storm drain  
pipes, **5,800**  
catch basins



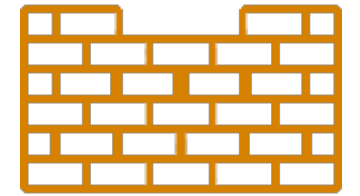
**20 miles**  
open creeks  
& drainage  
channels  
(public & private)



**1**  
flood control  
lagoon  
(Marina Lagoon)

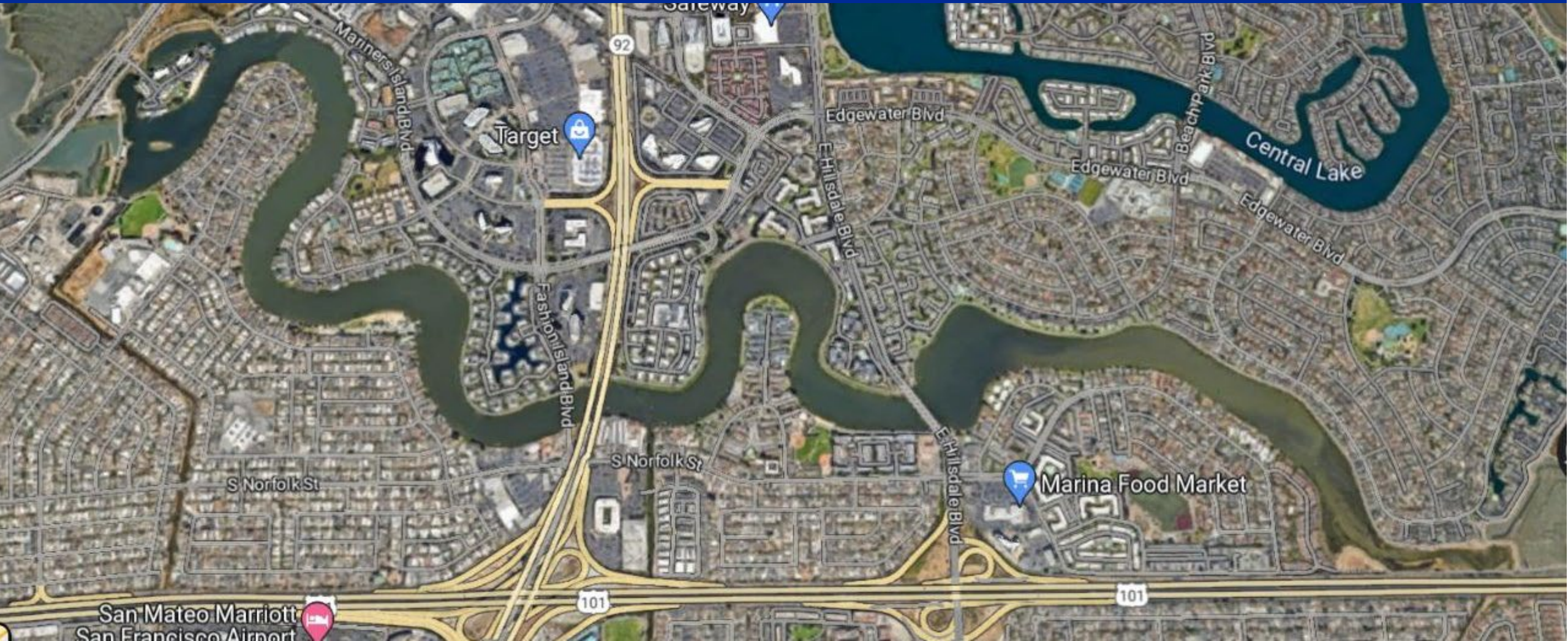


**10**  
pump  
stations



**3-miles**  
Bayfront  
levee

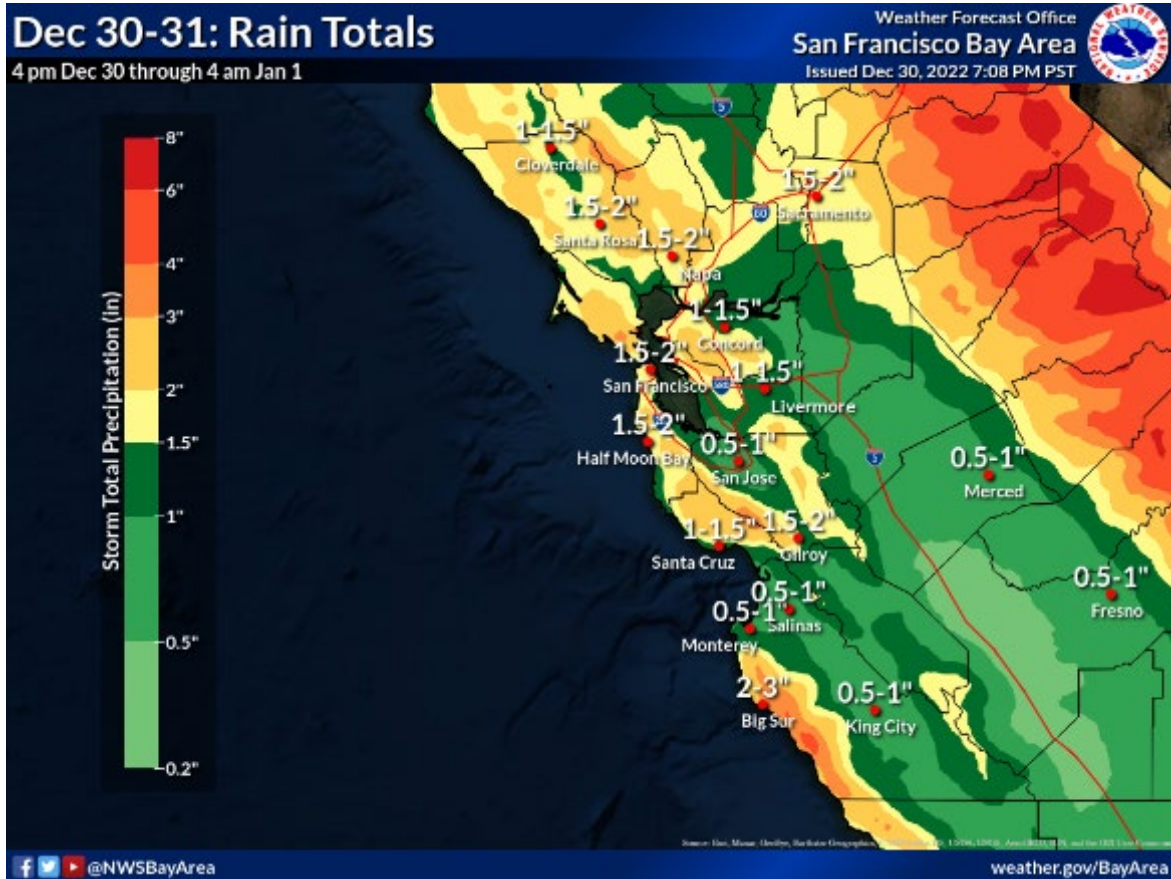
# The Marina Lagoon





# New Year's Eve

## Weather Forecast vs. Actual



What we expected (1 inch)

vs.

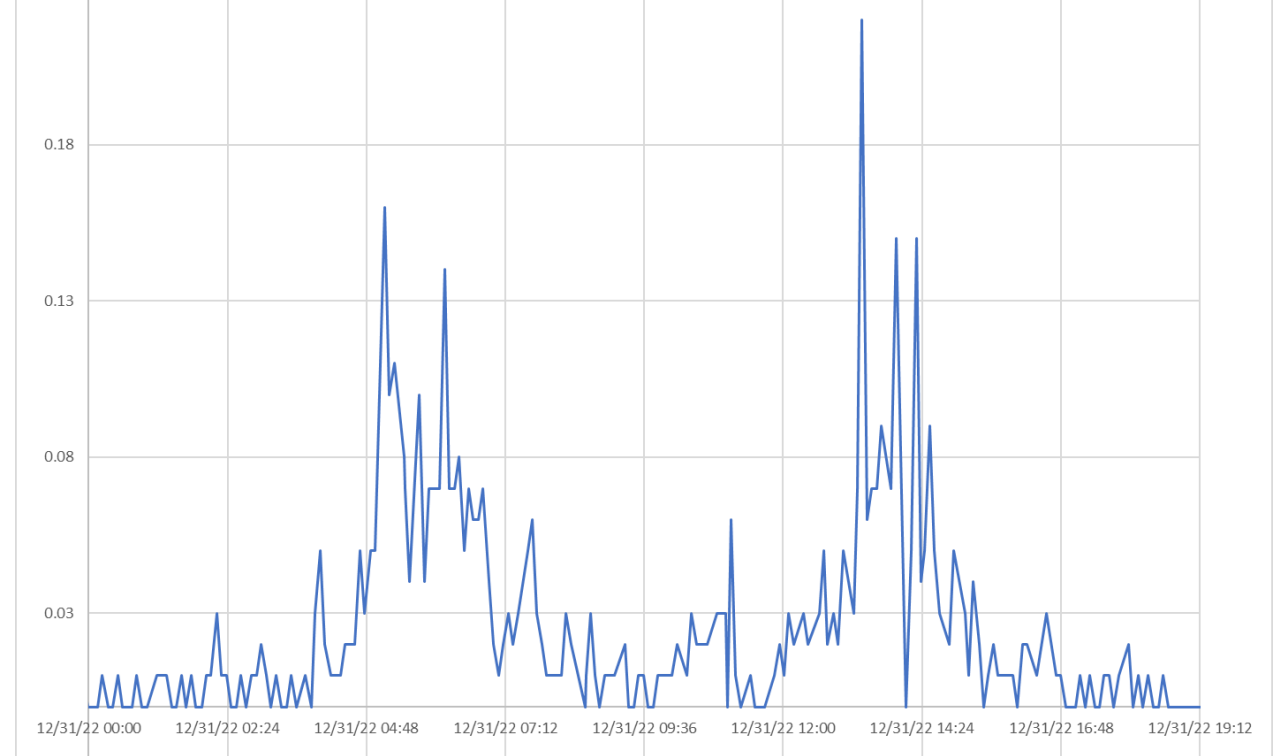
What we saw (5 inches)



The Sunnybrae neighborhood, along with many other locations in San Mateo, flooded during Saturday's storm.

Nick Rose/Daily Journal





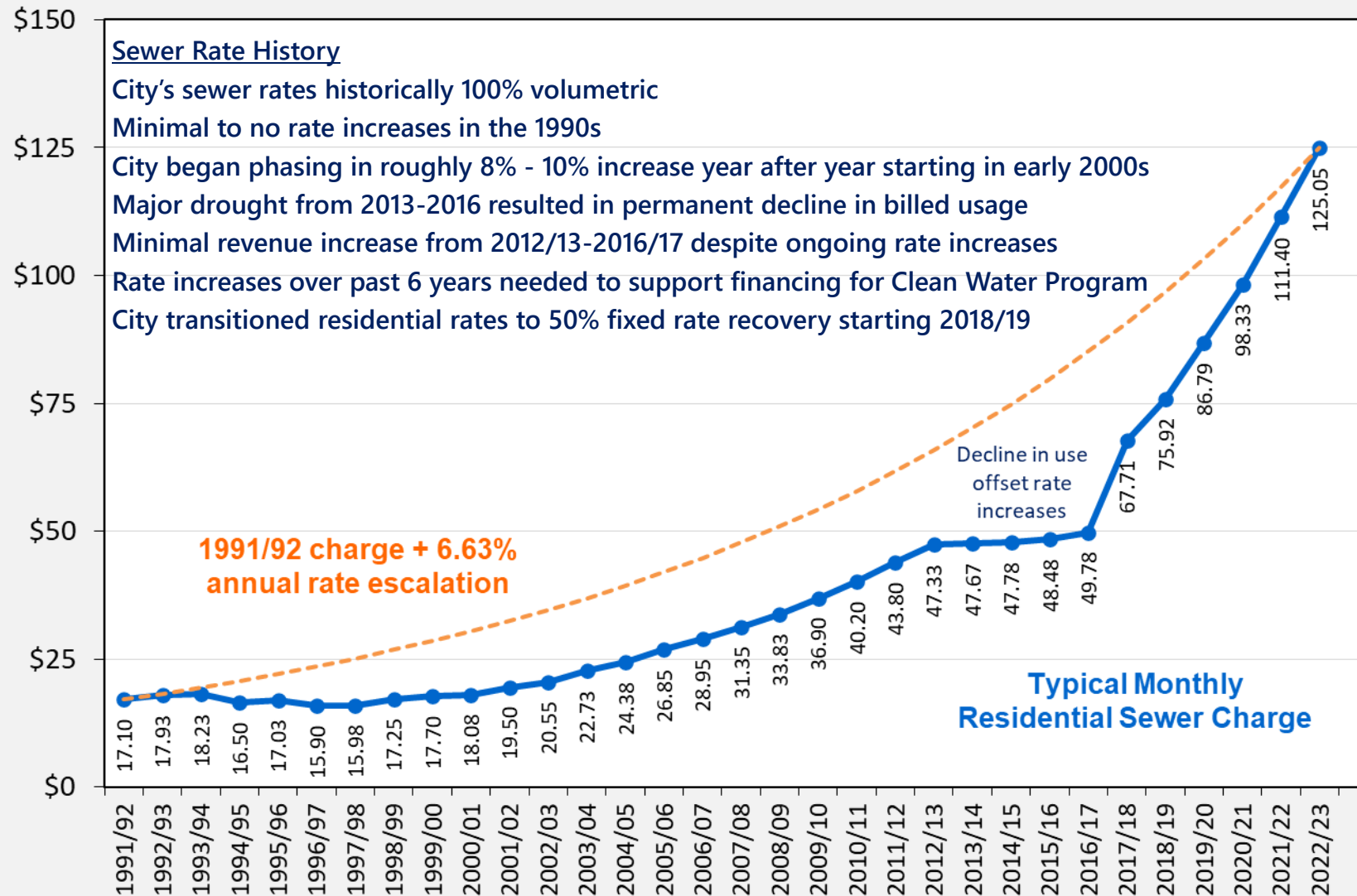
Rainfall Duration (hours)	Rolling Maximum Depth (inches)	Annualized Return Period*
1	0.93	35-year
2	1.61	125-year
3	1.97	115-year
6	2.42	50-year
12	4.54	300-year







# Typical Monthly Residential Sewer Charges



Assumes a gradual decline in average monthly winter water use from a historical level of 7.5 hcf through 2012/13 to 5.5 hcf in 2016/17 and thereafter (approximately a 27% decrease)



# San Mateo Stormwater Fee Results

- Ballots Mailed 26,726
- Total Votes 10,117
- **Total “Yes” Votes 5,195 (51.78%)**
- Total “No” Votes 4,837 (48.22%)
- Fee is \$8/month (\$96/year), generates \$4M annually



# REQUEST FOR PROPOSALS

## City of San Mateo Climate Adaptation Plan for Sea Level Rise

CITY OF SAN MATEO, CALIFORNIA





