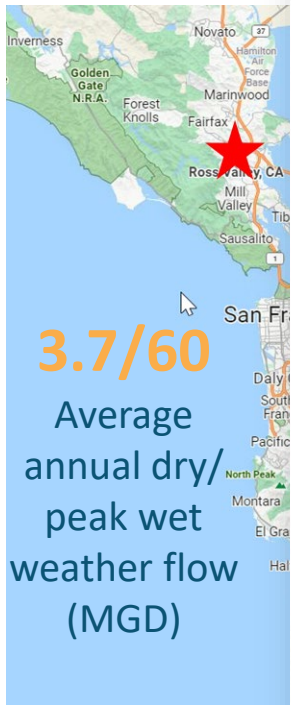




Ross Valley Sanitary District Facts

10 - 17

Wet weather
peaking
factor range

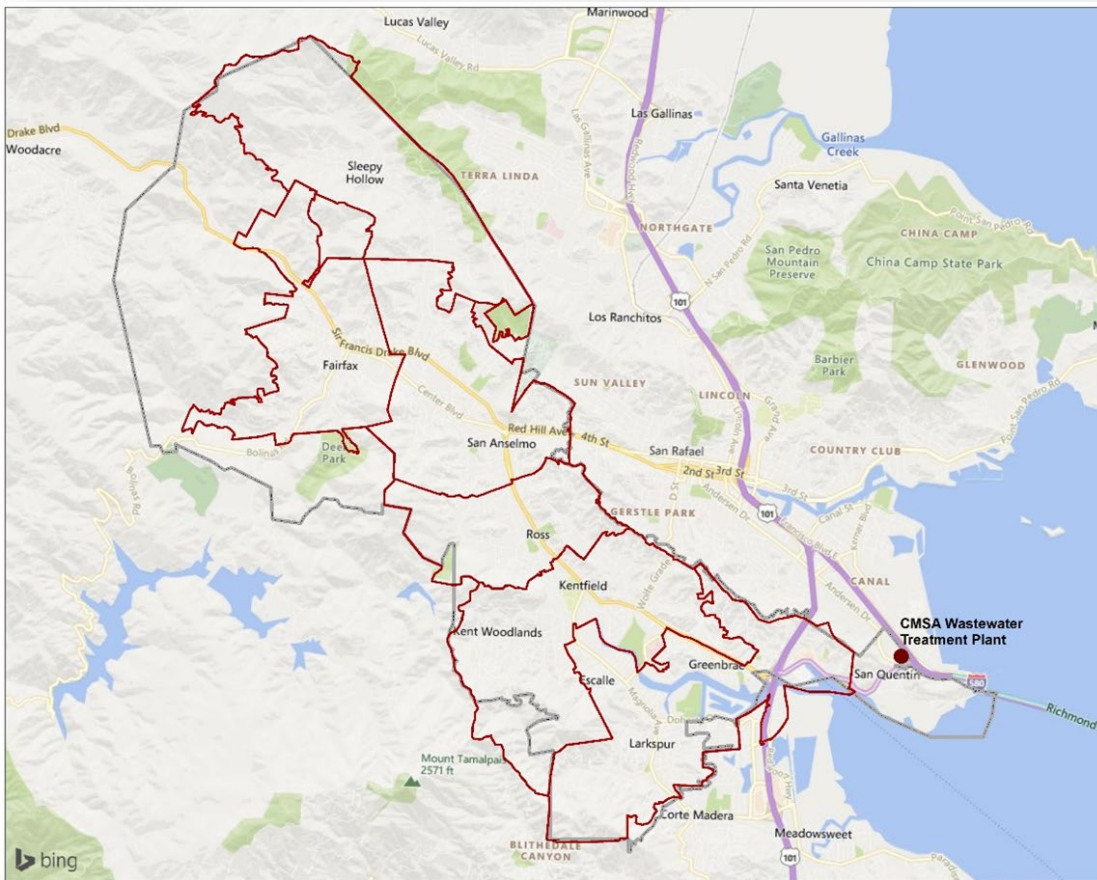


3.7/60

Average
annual dry/
peak wet
weather flow
(MGD)

66%

6-inch Diameter
or Less –
Vulnerable to
Blockage



33%

On Private Property with
Heavy Vegetation (Roots!)

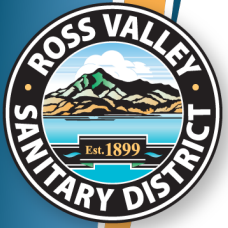
15,900
customers

199
Miles of
gravity
main

19
Pump
stations

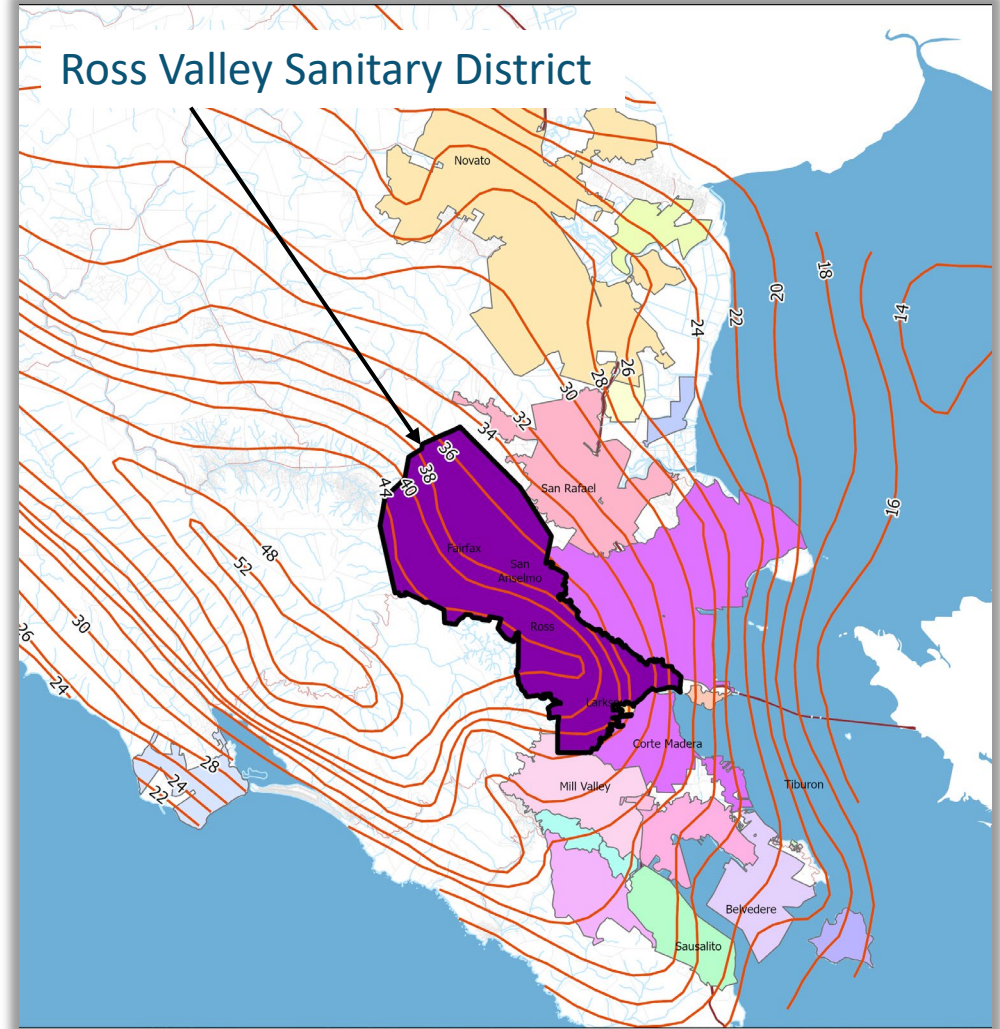
7
Miles of
force
main

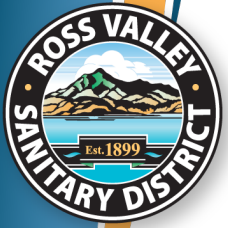
45%
Installed
before
1955



Rain in the Ross Valley

- Rainfall 30% higher than neighboring sanitary districts
- 48 – 49% of influent flow at CMSA WWTP in **wet weather**
- 40 – 42% of influent flow in **dry weather**

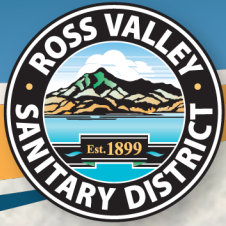




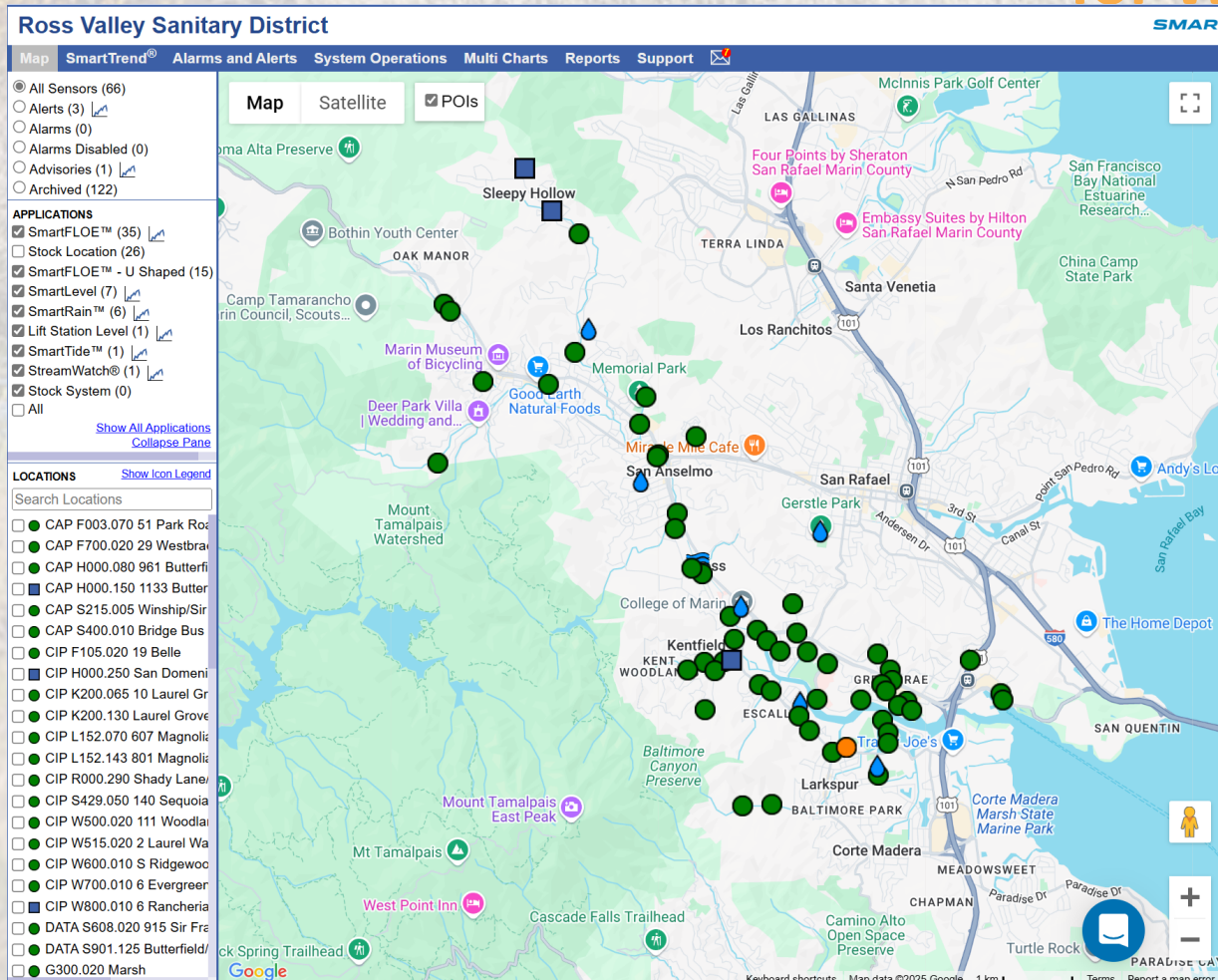
October 24, 2021

- 200-Year Storm
- 9 inches in 12 hours
- 4 Cat 1 Spills
 - 2 Residence Back-ups
 - 1 creek-only (picture)
 - Pump Station Outage
- 2-inch storm predicted
- Sunday – all hands responded





RVSD SmartCover Remote Monitoring System for Water Levels



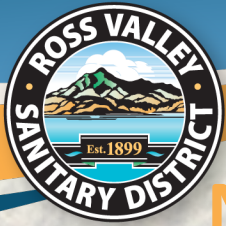


King
Tide
Dec.
14
2024

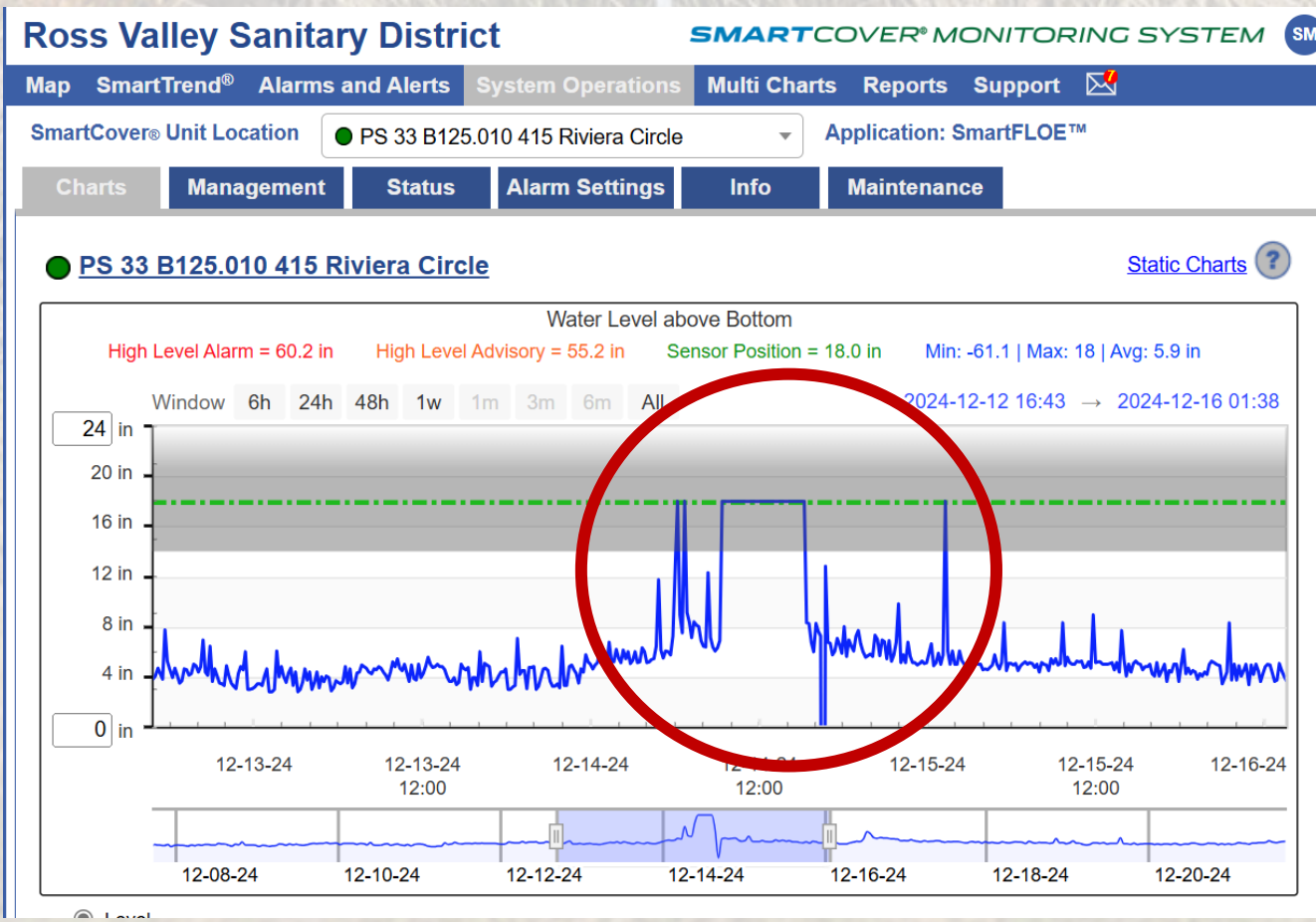
Cat 3
Spill



Pumps
Couldn't
Keep
Up



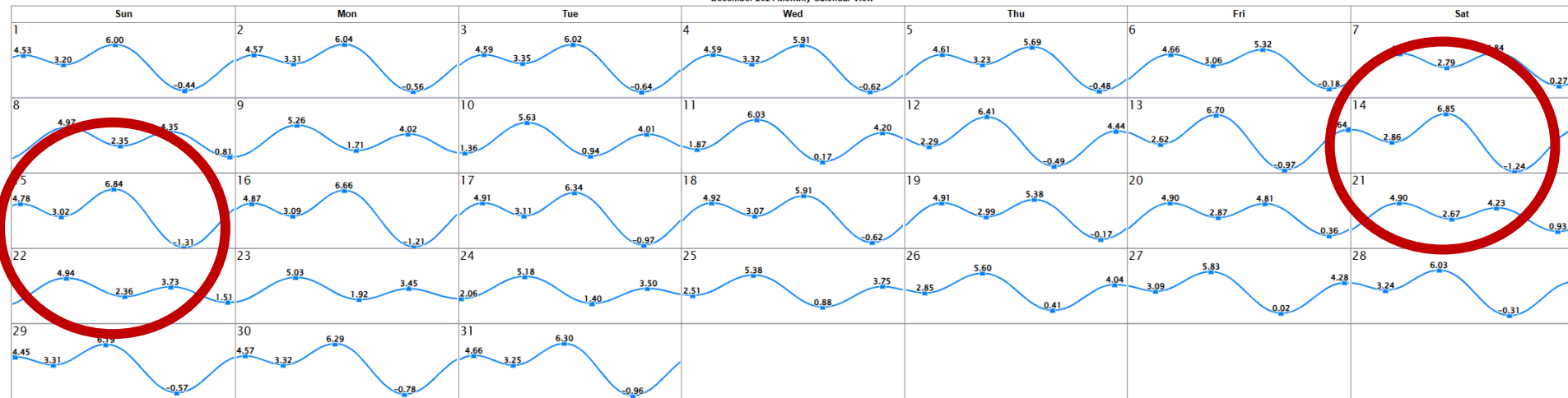
Nearby Pump Station SmartCover water levels

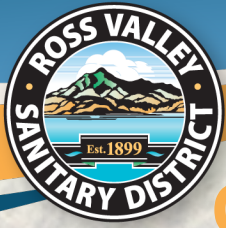




Saturday December 14 King Tide 6.85 feet at 10:19 am

NOAA/NOS/CO-OPS
Tide Predictions at 9414874 CORTE MADERA CREEK CA
December 2024 Monthly Calendar View





Climate Resilience & Emergency Preparedness

- **Capital Dual Strategy – Strategically Increase Capacity and Control I&I**
 - Periodic Monitoring/Modeling
- **Prioritize Infrastructure affected by Sea Level Rise**
 - Pump Stations in Floodplain – Electrical Components
 - Prioritize Higher Risk Assets Near Shoreline
- **Storm Preparedness**
 - Generator Fuel Levels
 - Combo Trucks, Portable Generators and Bypass Pumps
- **Storm Patrol**
 - Double on-call personnel when larger storm predicted
 - (1-inch or more in later wet season)