

# Orange County PFAS Update

December 17, 2019

SAWPA Commission

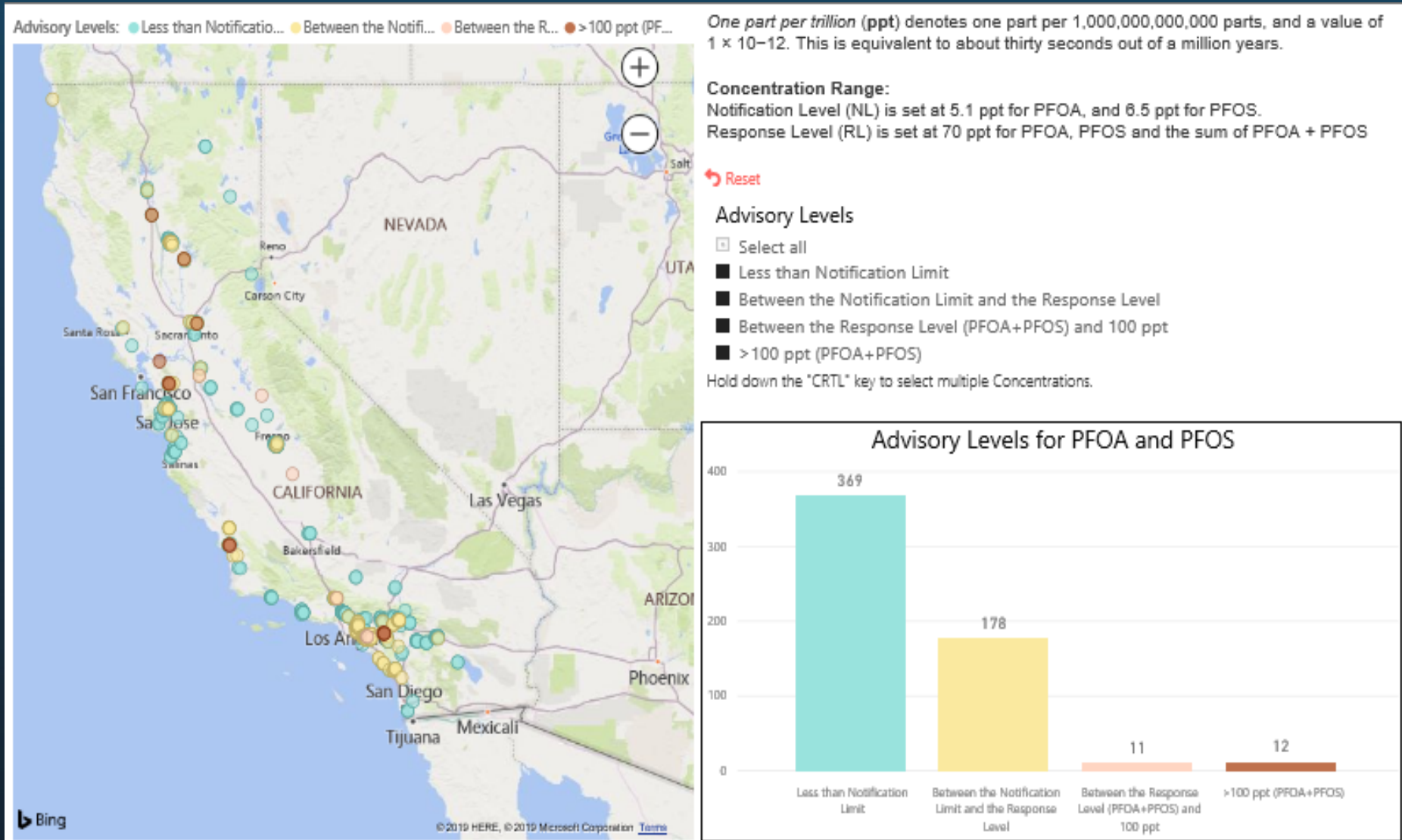


# Statewide PFAS Occurrence in Drinking Water Wells

- Data released to the public on October 14, 2019
- Data and interactive maps available at <https://www.waterboards.ca.gov/pfas/>
- Complete data set available for download
- Charts summarizing frequency of detections
- DDW presentations at ACWA Conference and SWRCB PFAS Technical Seminar in early December

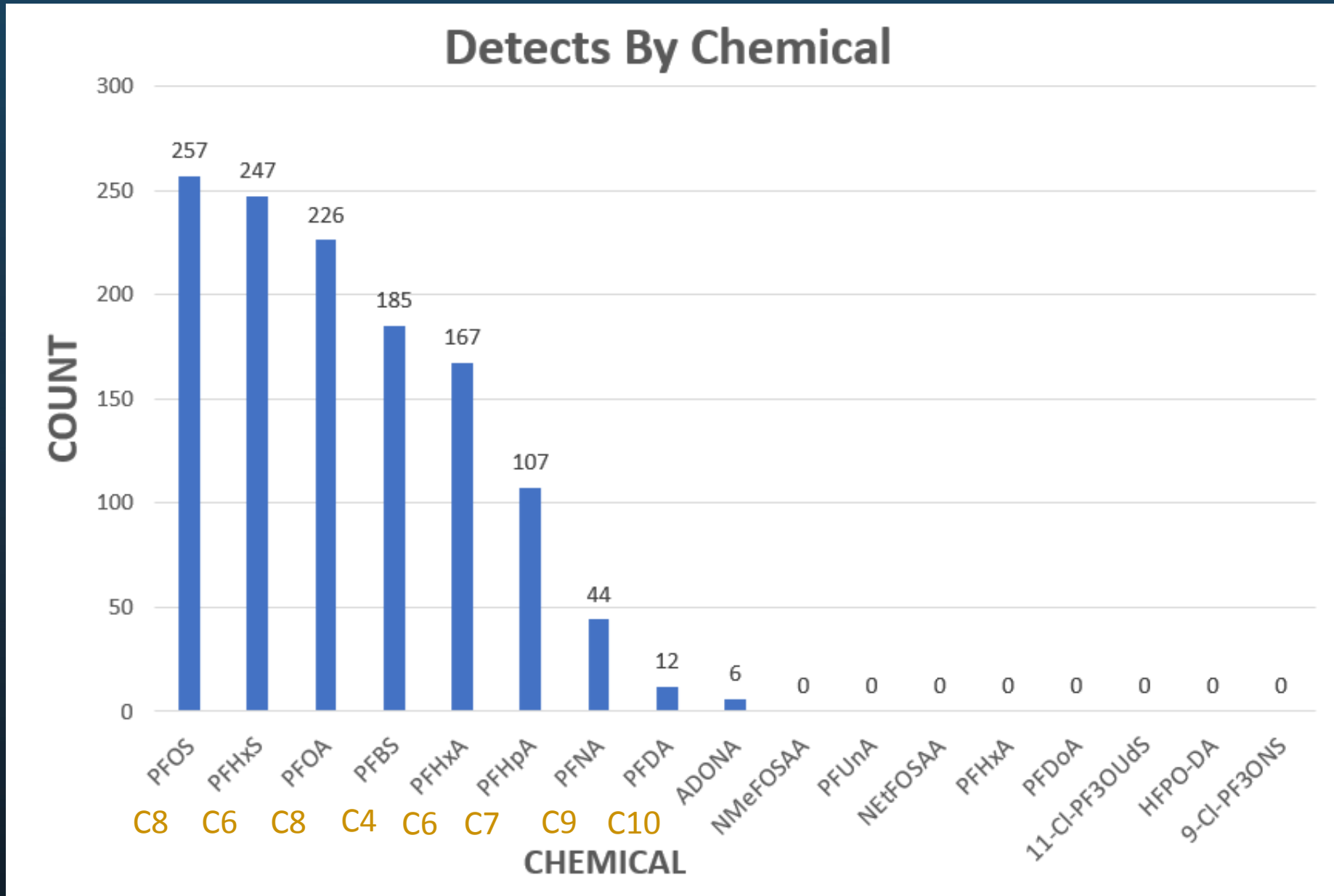


# Example Interactive Maps

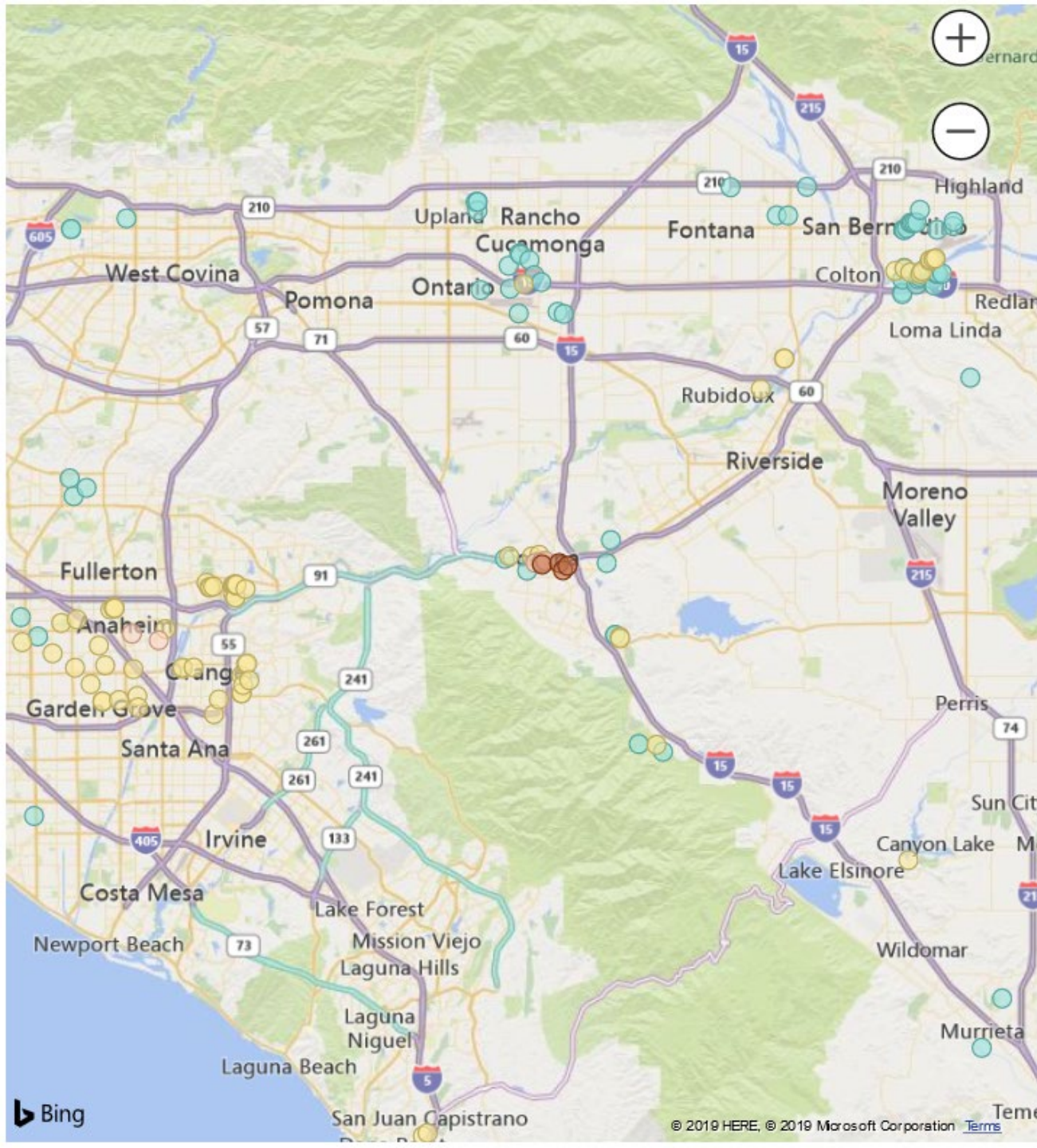


1st Quarter of statewide monitoring order results (570 wells)

# Statewide: Frequency of Detection of Individual PFAS



# PFOA & PFOS occurrence in SAR Watershed



- Less than Notification Level (PFOA 5.1 ng/L, PFOS 6.5 ng/L)
- Between Notification & Response Level (70 ng/L combined)
- Between Response Level and 100 ng/L
- Greater than 100 ng/L

# Other Upcoming State 2020 PFAS Actions

- Additional sampling outwards from impacted public water supply wells
- Focused watershed-based source & public water system investigations
- Sampling at Wastewater Treatment Facilities (influent, effluent, and biosolids)
- Source investigations at Refineries and Bulk Terminals
- Integration of data from DoD and additional sampling of public water system wells around impacted installations
- Identify strategies for domestic well sampling in impacted areas
- Data analysis and visualizations to inform the public and decision makers

# PHG and MCL Regulatory Timeline

## January 2020

- AB 756 statute changes become effective

## July/August 2020

- OEHHA initiates scientific peer review of draft PHGs

## Summer 2021

- OEHHA releases final PHGs and responses to comments

## Fall 2022

- Board Hearing on MCLs and close of comment period

## Summer 2023

- Water Board submits regulation package to Office of Administrative Law (OAL) for approval

## April/May 2020

- OEHHA releases draft PHGs for public comment

## Fall 2020

- OEHHA releases 2<sup>nd</sup> public review draft of PHGs for public comment

## Summer 2022

- Water Board releases draft MCLs regulation package and begins public comment period

## Spring 2023

- Board adoption hearing on MCLs

## Fall 2023

- OAL approval, MCLs become effective

# Pending changes to Response Level

- State wants to make change concurrent with AB 756 becoming effective (January 2020)
- State to release regulatory guidance this month on “compliance” with AB 756
- OCWD to meet with CalEPA/State Board before Response Level change



# DDW Notification and Response Levels

Advisory Type	PFAS Compound	July 2018	August 2019	Likely January 2020 Revision
Notification Level	PFOA	<del>14 ng/L</del> →	5.1 ng/L	?
	PFOS	<del>13 ng/L</del> →	6.5 ng/L	?
Response Level	PFOA	70 ng/L combined	<del>70 ng/L</del> →	10 ng/L
	PFOS		<del>combined</del> →	40 ng/L

- DDW likely to also establish future NLs/RLs for additional PFAS
  - PFHxA, PFHxS, PFBS, PFNA, PFDA (5 next most commonly detected in CA)



# Impacts to OCWD Service Area

- 42 wells would exceed revised Response Levels, based on testing to date
- With expanded testing, estimate approx. 71 wells could be similarly impacted (~200 wells in basin)
- Preliminary estimate of financial impact = \$775 - \$875 million