



Water Board Investigation Summary – March 2020

Latest News!

Airport & Landfill Source Investigations - Approximately 25% of the sampling results data is now available from the landfills and airports that received investigation orders in March 2019 from the State Water Board.

Public Water Supply Well Data - The second quarter data from testing at public water supply wells near the landfills and airports is now available on the [Waterboard's PFAS website](https://www.waterboards.ca.gov/pfas/) (<https://www.waterboards.ca.gov/pfas/>). These results also include sampling of water supply wells already sampled in 2013-2015 as part of US EPA's Unregulated Contaminant Monitoring Rule (UCMR) 3 program.

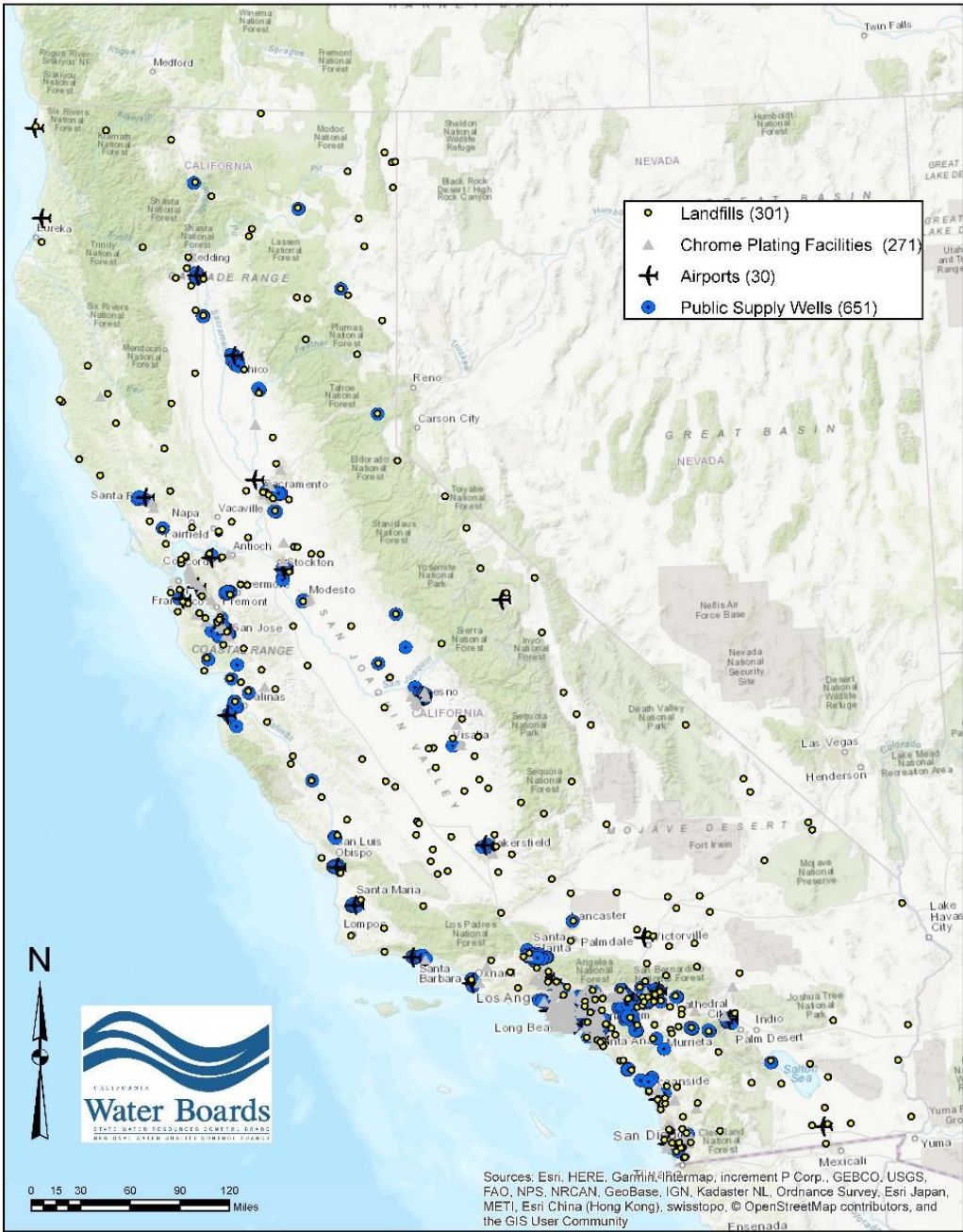
PFAS Mapping Tool - Now available on the [Water Board's PFAS website](https://www.waterboards.ca.gov/pfas/) (<https://www.waterboards.ca.gov/pfas/>).

PFAS Data Summary

- The State Water Board sent Investigation Orders to (30) airports, (196) landfills, and (271) chrome platers. Over 600 public water supply wells are also being sampled (**Figure 1**).
- To date, PFOA, PFOS and other PFAS chemicals have been detected in roughly 50 percent of wells sampled (**Figure 2**).
- Investigations at the airports and landfills show a high number of detections of PFAS chemicals –with about 25% of the data reported as of the end of January 2020. (90% of the data is anticipated by Fall 2020).
- Data from chrome plating facilities is expected in mid to late 2020.
- PFAS is common in various products and disposal practices vary. As more data is received from the current and new source investigations, Water Board staff will assess watersheds to correlate sources to impacts in the public water supply.



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FIGURE 1. PFAS STATE-WIDE WATER SUPPLY AND SOURCE INVESTIGATION LOCATIONS





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TABLE 1. PFAS CONCENTRATIONS (parts per trillion) (as of January 2020)

	Airports - Groundwater/ Surface Water (4 of 30 airports sampled)			Landfills – Groundwater (53 of 196 landfills sampled)			Landfills – Leachate (53 of 196 landfills sampled)		
	Min	Max	% detected	Min	Max	% detected	Min	Max	% detected
PFHxS	1.98	37,000	84%	ND	560	64%	66	770	100%
PFOS	ND	5,960	84%	ND	330	53%	ND	230	73%
PFOA	2.07	59,700	92%	ND	1,300	56%	630	26,000	96%
PFBS	ND	39,400	76%	ND	200	55%	230	5,200	100%
PFHxA	ND	69,000	88%	ND	570	58%	3,800	51,000	93%
PFHpA	1.79	48,700	82%	ND	170	55%	350	2,600	93%
PFNA	ND	19,100	54%	ND	7,300	26%	53	180	71%

FIGURE 2. DRINKING WATER SUPPLY WELL DATA
Number of Detects by PFAS Chemical - July through Sept 2019

