
California on PFAS

Gaining Momentum

Green Science Policy Institute

Flame Retardant & PFAS Dilemma Symposium

February 7, 2020



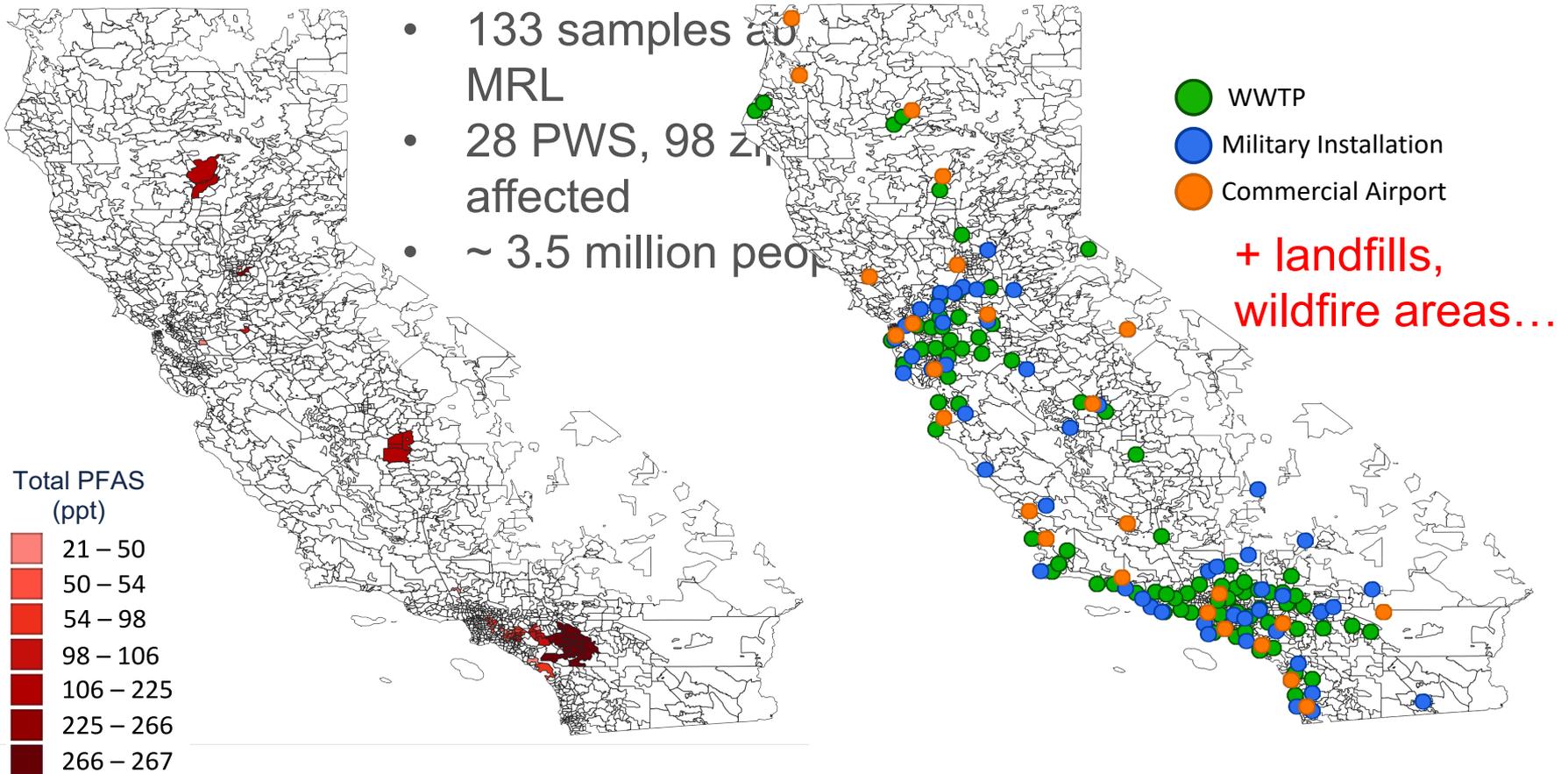
Anna Reade, Ph.D.

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Talk Outline

- What do we know about PFAS contamination in CA?
- What actions are being taken to address the contamination?
 - Drinking water and groundwater– SWRCB
 - Science – OEHHA
 - Product regulation – DTSC’s SCP
 - Legislative and executive actions - CA policymakers

Potential PFAS Contamination in CA

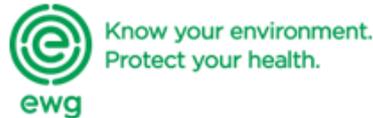


<https://www.epa.gov/dwucmr/occurrence-data-unregulated-contaminant-monitoring-rule#3>

Hu XC, et al., 2016. Detection of PFASs in US drinking water linked to industrial sites, military fire training areas, and waste water treatment plants. *Env Sci and Tech Letters* 3(10):344–350



Erin Brockovich Foundation, Inc.

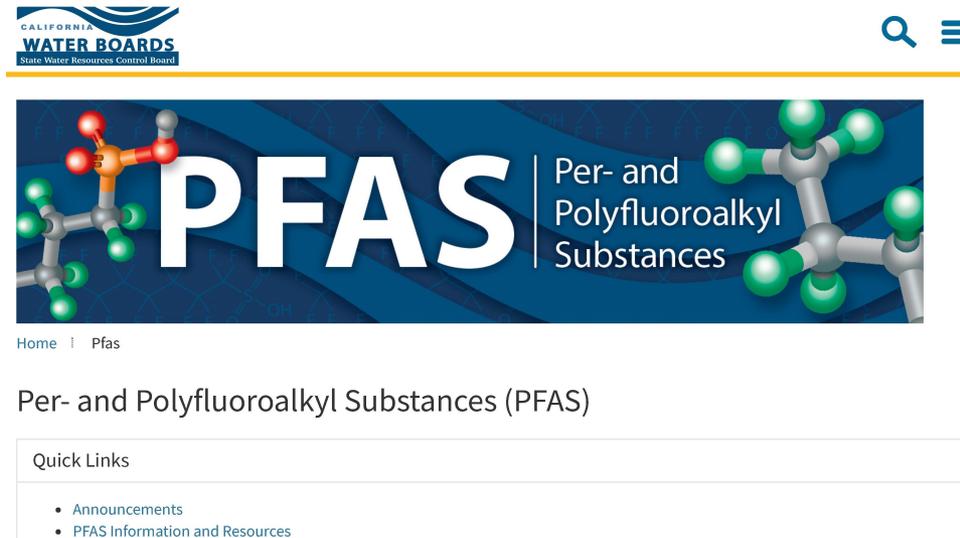


Integrated Resource Management, Inc.



PFAS Informational Hearing

- Launch of PFAS website



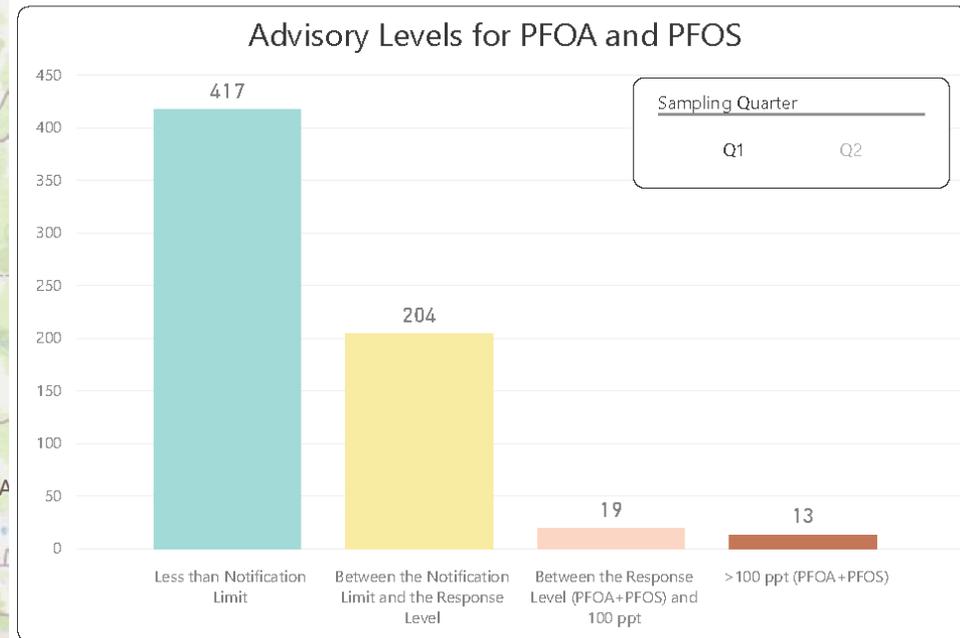
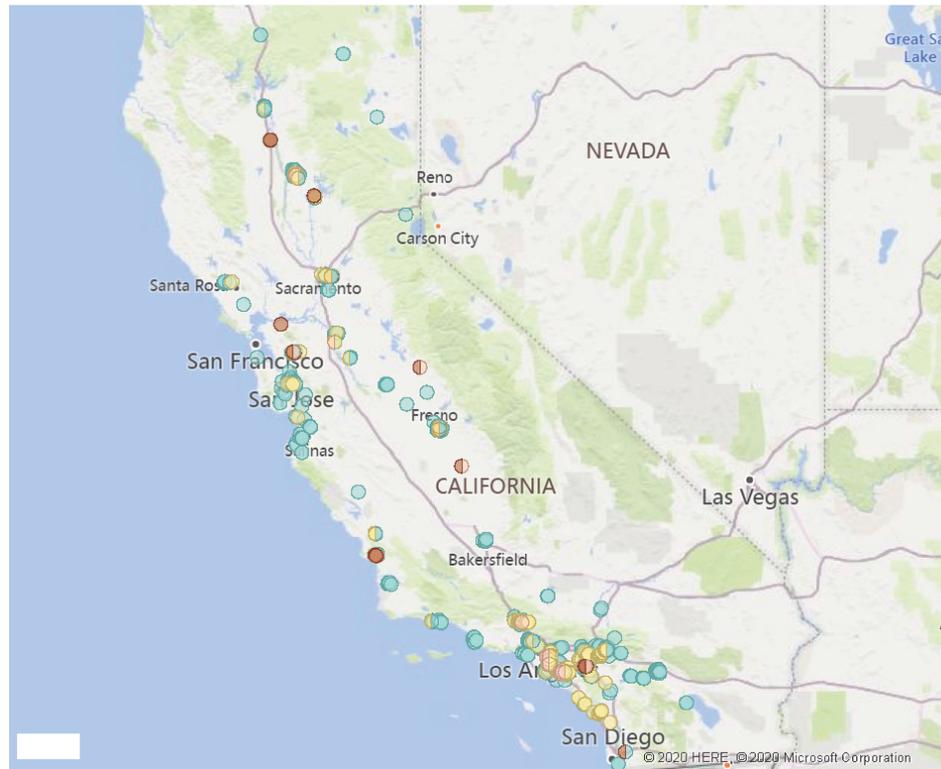
- 3 Phase Site Investigation: landfills, airports, UCMR 3 water systems, refineries, fire training areas, urban wildlife areas, industrial dischargers, wastewater



Phase 1 Site Investigation Data

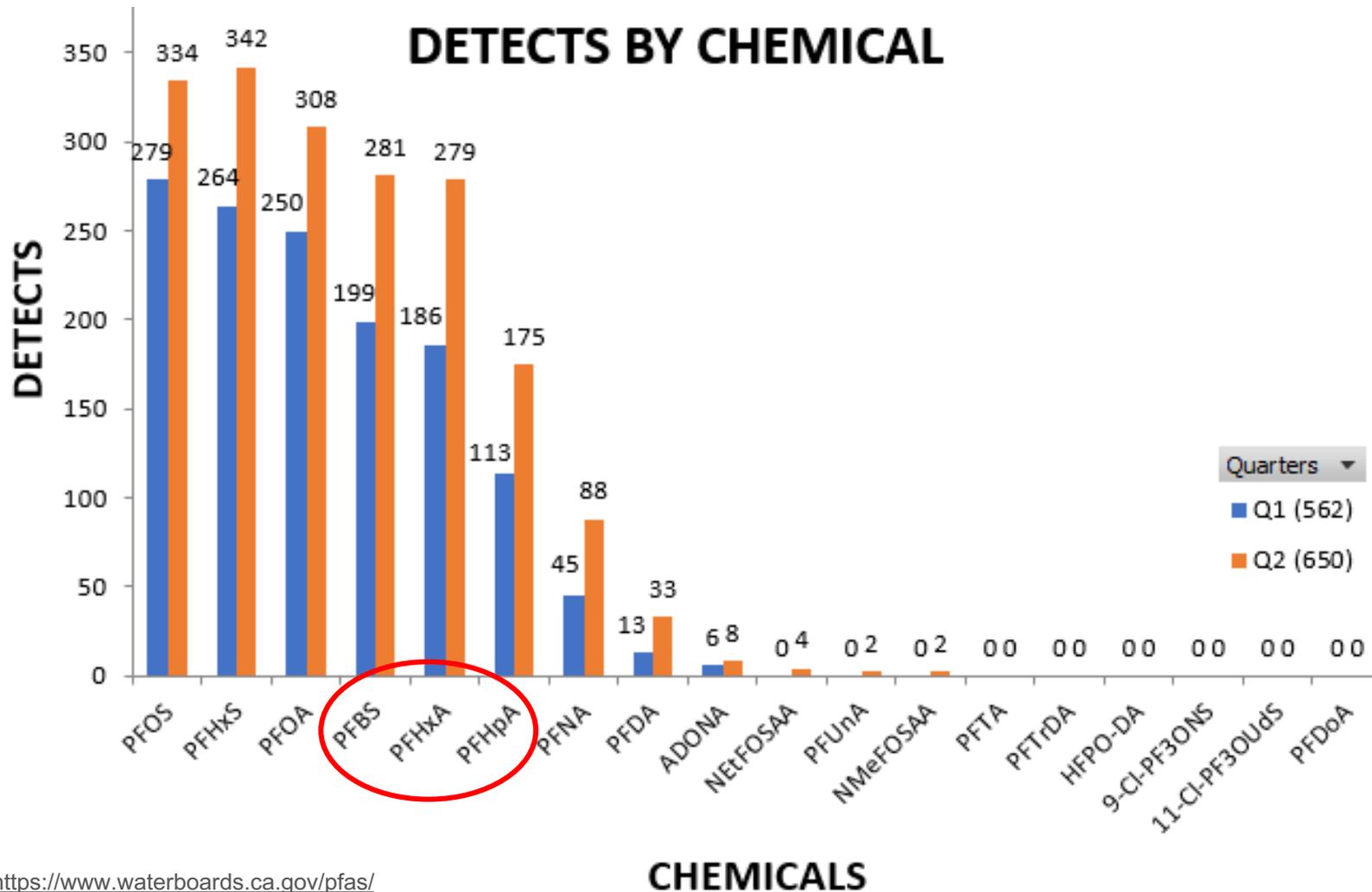
Drinking water source wells near airports, landfills, UCMR3

Advisory Levels: ● Less than Notification ... ● Between the Notifi... ● Between the R... ● >100 ppt (PF...





Phase 1 Site Investigation Data





OEHHA
California Office of Environmental
Health Hazard Assessment



	OEHHA	NL 537 rev 1.1	Potential NL 537.1
PFOA	0.1 ppt*	5.1 ppt	0.82 ppt
PFOS	0.4 ppt*	6.5 ppt	2.1 ppt

*Based on **1/million cancer risk**, from new NTP study

Response level: 10 ppt PFOA, 40 ppt PFOS

Actively looking into how to regulate class, including monitoring ToxCast and Tox21 and partnering with UC scientists to incorporate new types of toxicity data



Department of
Toxic Substances
Control

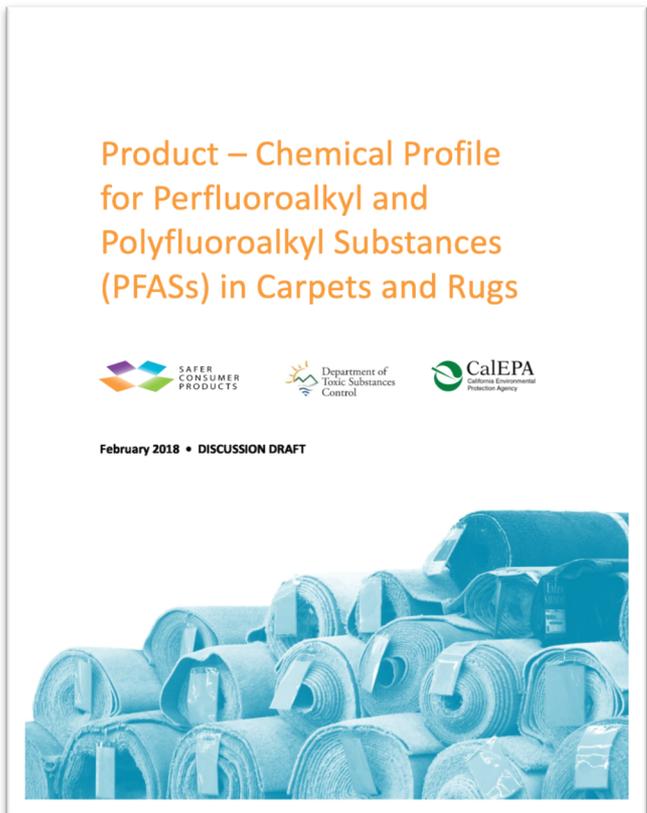


Safer Consumer Products Program

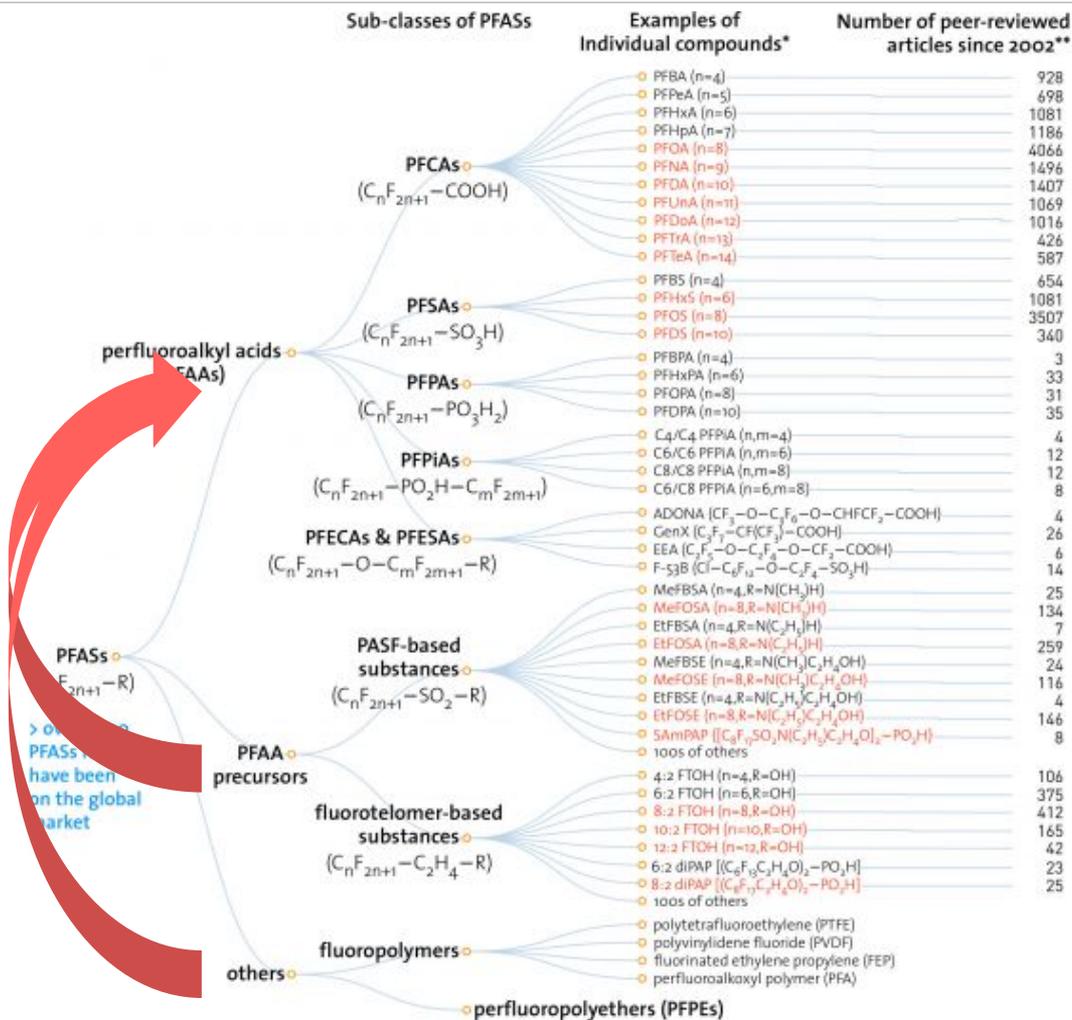
Working on PFAS and:

- Carpets & rugs
- Textile & leather treatments
- Possibly food packaging

Laid a strong scientific foundation for why the entire class needs to be addressed in its regulations



“All Roads Lead to PFAAs”



Legislation

2019 - AB 756 (C. Garcia):

- Streamlines process to issue monitoring orders
- Expands public notification
- Takes class approach

2020 – 2 bills sponsored by NRDC and partners

- Ban of PFAS-containing AFFF
- Validation and certification of a testing method of total PFAS
(or best surrogate of total PFAS)

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Key Strategies for Strong Health Protections

- Approach PFAS as a class
- Multi-agency workgroup with stakeholder participation
- Phase out all not essential uses of PFAS, find safer alternatives for essential uses
- Fully characterize the scope of PFAS contamination
- Clean up drinking water, and other media
- Invest in better, low-cost solutions for clean up/ disposal
- Ensure polluters pay fair share of the costs



Thank you

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