

# SWRCB Activities on PFASs

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# PFAS Drinking Water Detections in CA

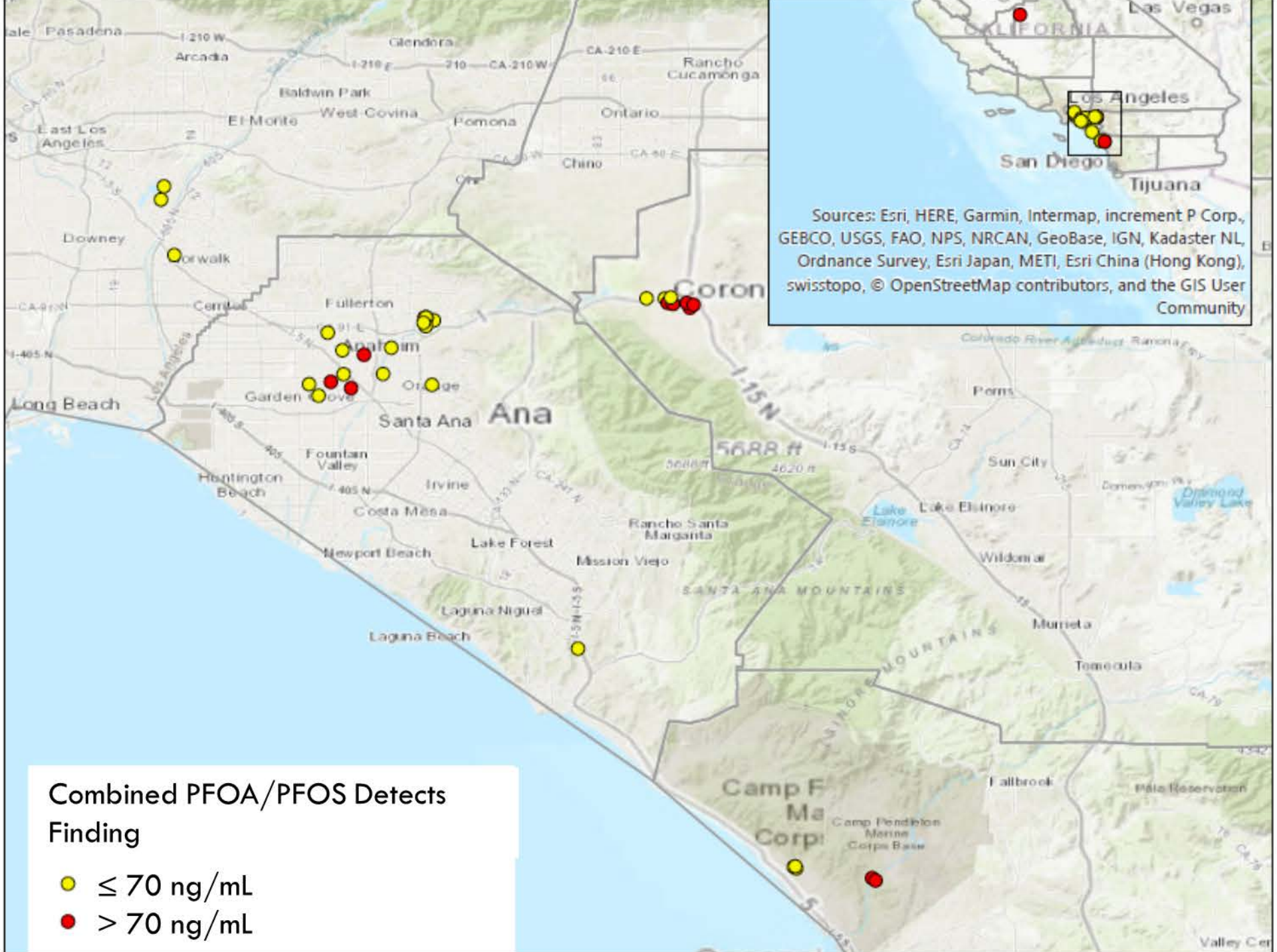
- USEPA testing under UCMR3\* included the following PFASs: PFOS, PFOA, PFNA, PFHxS, PFHpA, and PFBS
  - 133 detections (PFOS = 60, PFOA = 46, PFHxS = 15, PFHPA = 12)
- Additional PFAS testing by water systems and reported to DDW
  - 297 detections (PFHxS = 96, PFOS = 85, PFOA = 82, PFHPA = 22, PFNA = 8, PFBS = 4)
- Total detections of 430 includes multiple samples tested from same source

# US EPA Health Advisory

- Health Advisory for combined PFOA and PFOS - 70 ppt
- Six water systems in CA identified source waters above HA level
  - Four sources removed, one receives treatment, and one is blended to below HA level



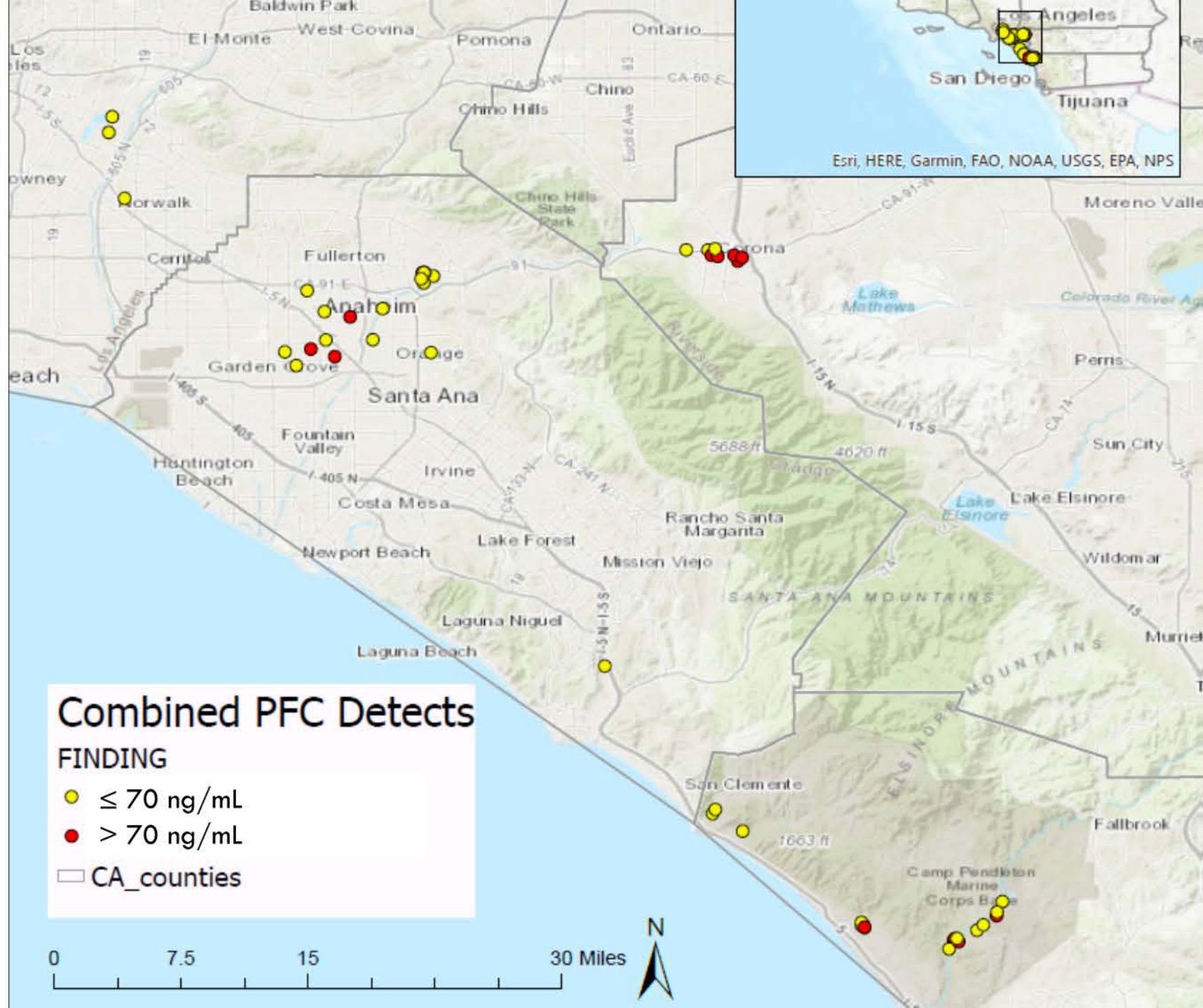




Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community







# Notification and Response Levels

- Notification level:
  - Non-regulatory, health-based advisory level established by the Division of Drinking Water (DDW)
  - Set for chemicals in drinking water that lack maximum contaminant levels (MCL) but raise health concern.
  - If testing occurs and shows that a notification level was exceeded in drinking water provided to consumers, drinking water systems are required to notify various authorities  
(e.g., governing bodies like board of directors or city council; local agencies that receive wholesale water).
- Response level:
  - Level at which DDW recommends removal of a drinking water source from service



# Additional Regulatory Requirements Triggered by Notification Levels

- Sampling for chemicals with NLs required as part of drinking water Groundwater Replenishment and Reuse Projects
- Pending regulations for drinking water Surface Water Augmentation projects also include this same requirement
- All future Direct Potable Reuse regulations, where recycled water will be used for drinking water, likely to also include this requirement

# PFOA and PFOS - Notification and Response Levels

- OEHHA recommended interim NLs, consistent with New Jersey:
  - 14 ppt for PFOA - based on liver toxicity and cancer risk
  - 13 ppt for PFOS - based on immunotoxicity
- DDW established:
  - NLs shown above for PFOA and PFOS, concurring with OEHHA's recommendation
  - A response level of 70 ppt for combined concentrations of PFOA and PFOS

# Next Steps and Possible Future Activities

- NLs for PFOA and PFOS establish a revised testing method and will have any data reported be at a lower detection limit level.
- OEHHA will recommend final NLs for PFOA and PFOS by the end of 2018
- Establishing a PHG would lead to setting a Maximum Contaminant Level (MCL), an enforceable drinking water standard
- We will look for opportunities to collaborate on paired biomonitoring and drinking water sampling projects