

# Update: Post-fire Water Quality Investigation

February 27, 2018




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# Overview







- Post-fire water quality Investigation targeting water services in the fire impacted areas.
- Six investigative samples of water services to destroyed properties outside of Advisory Area found benzene above maximum contaminant level (MCL).
- All six investigative samples were from burned properties and do not reflect water quality outside the advisory area.

# Post Fire Water Quality Investigation

**Legend**

 Do Not Drink / Do Not Boil Advisory Area

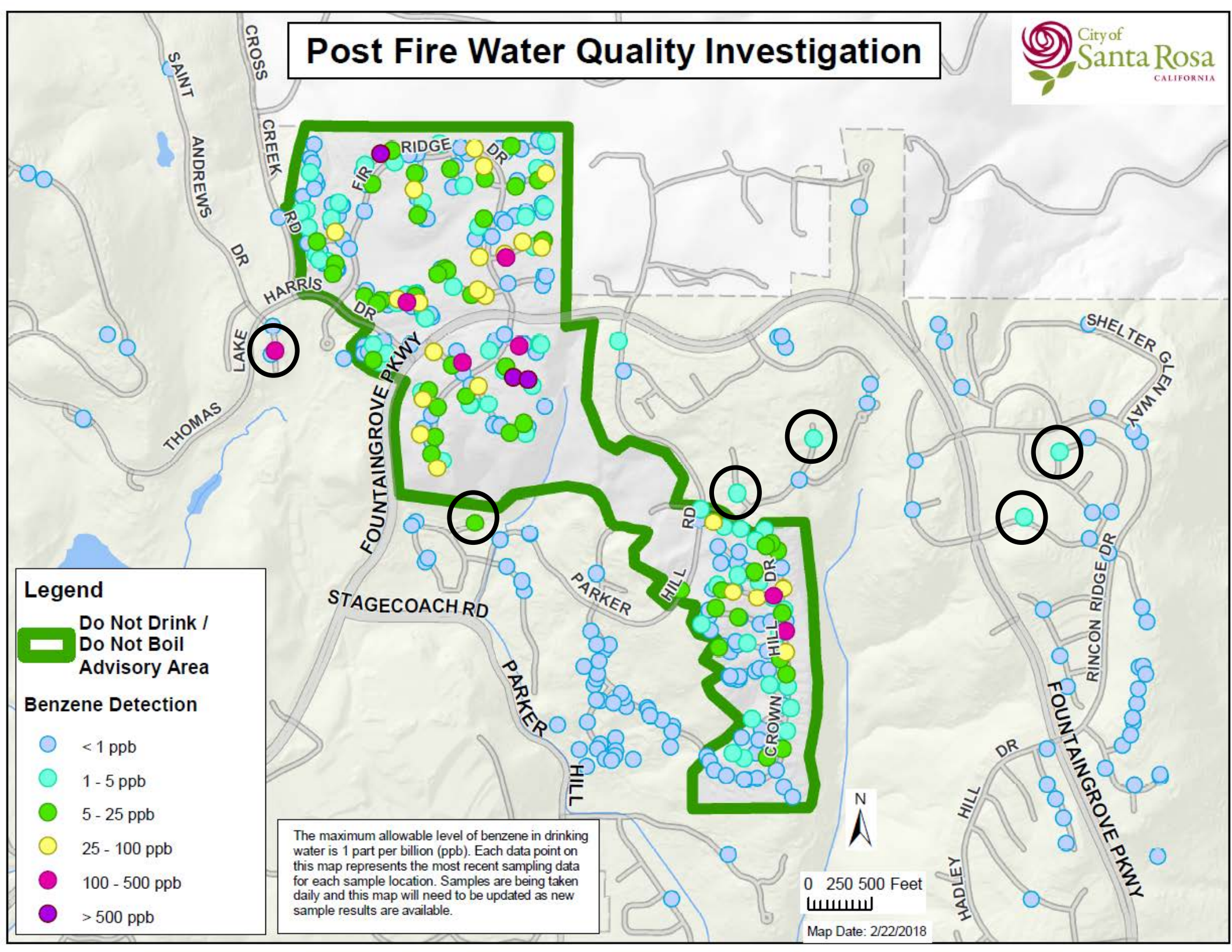
**Benzene Detection**

-  < 1 ppb
-  1 - 5 ppb
-  5 - 25 ppb
-  25 - 100 ppb
-  100 - 500 ppb
-  > 500 ppb

The maximum allowable level of benzene in drinking water is 1 part per billion (ppb). Each data point on this map represents the most recent sampling data for each sample location. Samples are being taken daily and this map will need to be updated as new sample results are available.

0 250 500 Feet

Map Date: 2/22/2018



# Expanding Investigation

- Continuing extensive sampling throughout the entire water system.
- Continue to flush, clean, replace, and monitor the water system.
- Replaced services where MCL was exceeded.
- Performing frequent sampling of water mains outside Advisory Area.
- Testing water pipes, services and meters with forensic chemist.



# Investigation

## Outside Advisory Area

- Collaborating with regulators and national experts
- Sampled outside Advisory Area within burn area
  - No evidence of benzene in water mains
  - No evidence of benzene in water services to remaining homes
  - Six water services to destroyed properties showed benzene above 1 ppb
  - Both water quality and investigatory samples in Coffey Park are non-detect.
  - Water quality advisory area not expanding

# Water Quality Advisory

- Residents have been advised to:
  - Do not drink, cook, or brush teeth with tap water.
  - Do not let pets consume tap water.
  - Limit shower time, use lukewarm water, and ventilate the area.
  - Limit use of hot water
  - Use a dishwasher to wash dishes
  - Wash clothing in cold water
  - Do not take baths, do not use hot tubs or swimming pools

# Customer Outreach

- Regular face-to-face interaction with customers
- Ongoing updates through door tags, emails, calls and letters
- Providing bottled drinking water for 13 homes



# Next Steps – Restoring Water Quality

- Working with FEMA
  - Deadline - 60 days from February 15<sup>th</sup> to have project defined and authorized for reimbursement
- Conclude investigation by end of March
  - Finalize determination of source(s)
  - Finalize project approach, including schedule, for “fix”
- Working on funding options, assuming expedited funding from FEMA for upfront 40% of project cost



# Contact Us with Any Questions

Visit our website: [srcity.org/WQAdvisory](http://srcity.org/WQAdvisory)

Water Quality hotline 707-543-3965



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