#### 2018 California Wildfires Magalia Camp Fire Perimeter Chico Paradise • Sacramento . San Francisco California Simi Valley Moorpark Hill Fire Perimeter Los Angeles Camarillo Calabasas Legend Woolsey Fire NoCal Staging Area Perimeter SoCal Staging Area Malibu Incident Command Post

# 2018 California Wildfires

Emergency
Support
Function #10















### Types of HHW

- Car batteries
- Light filaments
- Solar panels

- Ammunition
- Paint cans
- Tank valves

- Propane tanks
- Pool chemicals
- Disinfectants





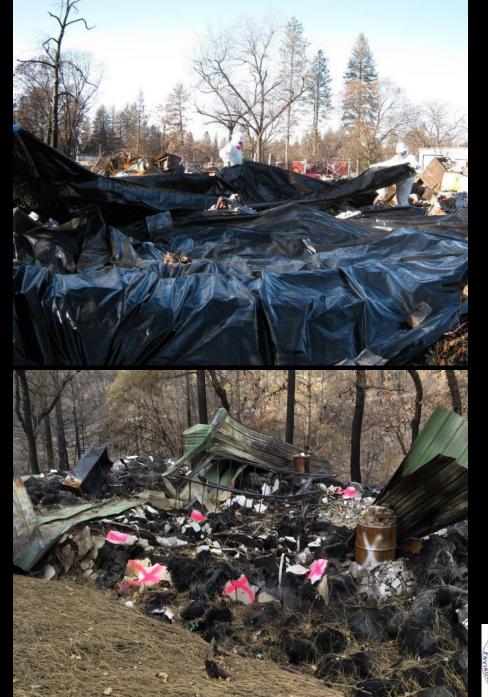




#### **Bulk Asbestos**

- Characteristics
  - Heat resistant
  - Generally doesn't break down
  - Occurs naturally and in manufactured goods
- Carcinogenic; affects lungs

• Structures built prior to 1980 often contain asbestos containing materials that can become friable and mobile in the environment.





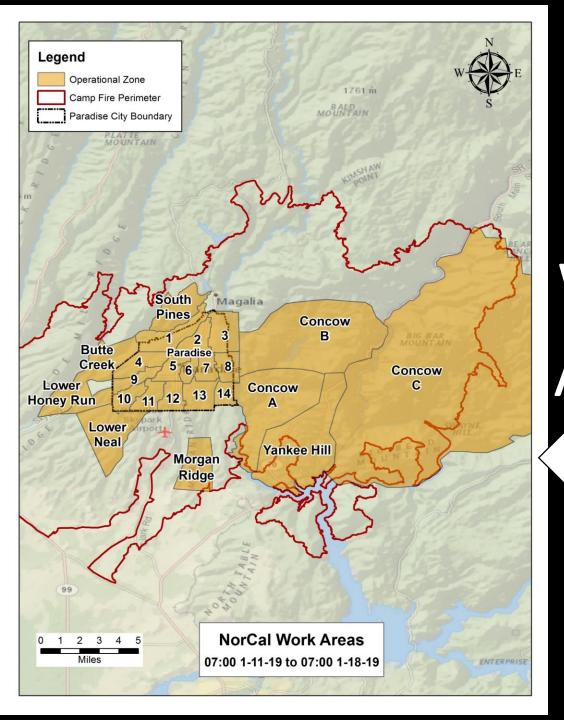
### US EPA Mission Assignments

Initial assessment \*

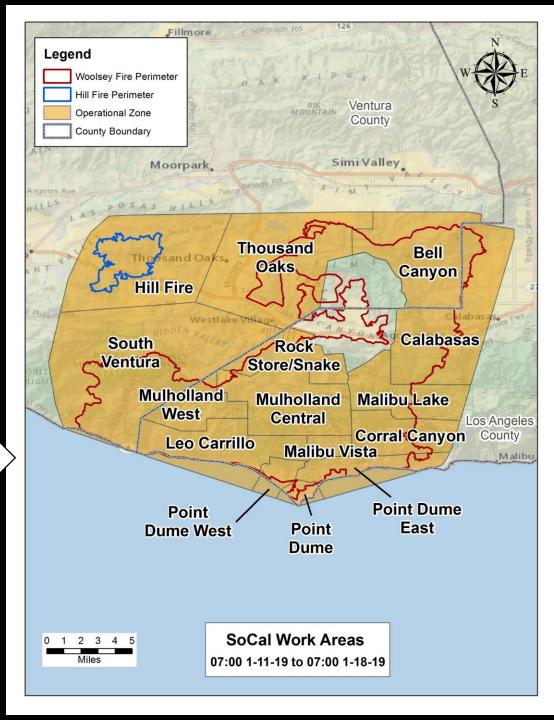
- Household hazardous waste (HHW) removal\*
- Radiological Monitoring and Assessment Team at Santa Susana Field Lab, Ventura County, CA

<sup>\*</sup> Phase I of cleanup. (Phase II of cleanup is debris removal and conducted by FEMA and California.





US **EPA** Work Areas

















Car Batteries and Light Filaments







Drums







Cylinders and Tanks



Asbestos?!?



### High Hazards Team

- Ammo > 50 caliber
- Explosives
- Tanks > 100 gallons
- Radioactive material
- Leaking transformers
- Mercury

This property's Household Hazardous Waste removal has been designated



Ash & other materials remain a health hazard.





Please review health advisories before entering burned areas.

For questions regarding the cleanup, contact the

Right-of-Entry Center at 530-552-3155

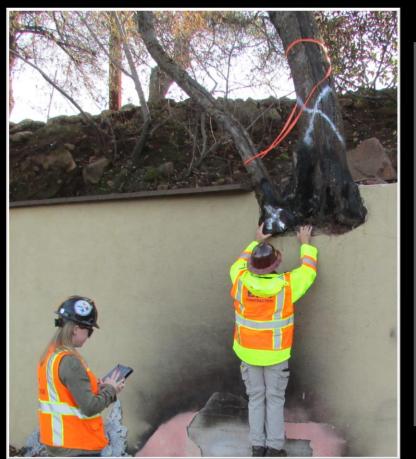




### Signs mark completed parcels









### Adapting to Changing Conditions

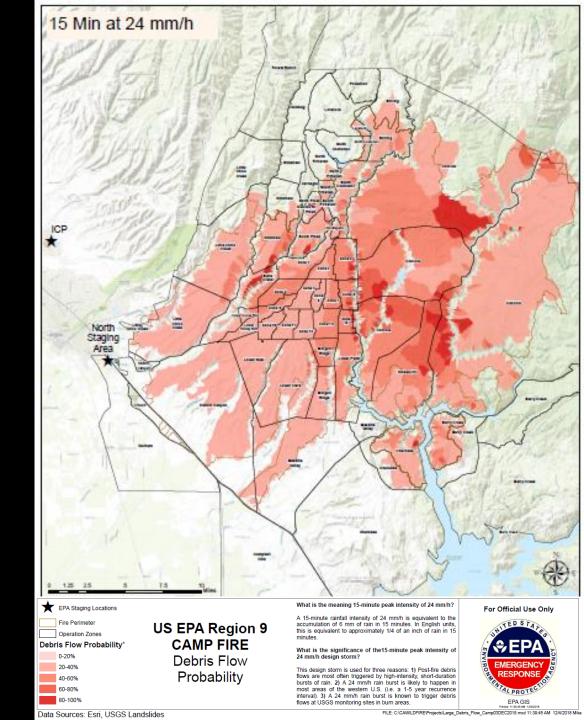
**Tree Hazards** 

### Adapting to Changing Conditions

Weather

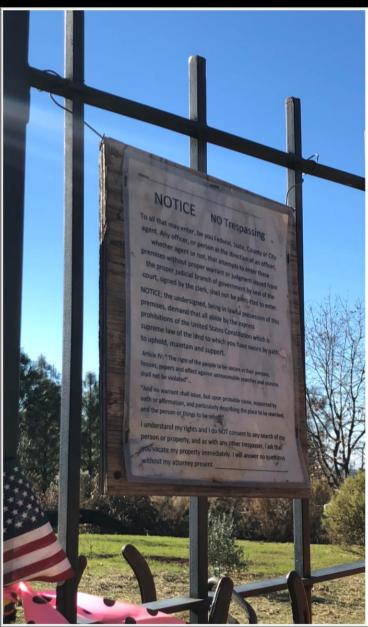
....tornados, debris flows, storms, high winds, and flash floods...

and the government shutdown









## Adapting to Changing Conditions

Access







### US EPA Response: Incident Command System (ICS)

- Emergency Operations Center
- Incident Command Post
- Operations
  - Branches North & South
    - Divisions
      - Task Forces
      - Strike Teams

#### US EPA Response: Incident Command System (ICS)

1. Incident Name:		2. Operational Period: (		Date / Time )		DAILY MEETING/
2018 California Wildfires- ESF- 10		From: 01/18/2019 0700 To: 01/19/2019 0700			CONFERENCE CALL SCHEDULE ICS 230 - EPA	
3. Meeting Schedule (Commonly-held meetings are included) :						
Date/ Time	Meeting Name	Purpose		Attendees		Location
<b>0700</b> (Mon/Thurs)	OPS Briefing/ Staging Area Safety Mtg	Discuss Safety Concerns with Task Forces		SO, Ops		Staging Area 2850 Fair St
<b>1000</b> (Daily)	C&GS Meeting	IMT Coordination Meeting		Command and General Staff		ICP Conference Rom 800-320-4330 Code: 561078
<b>1730</b> (Daily)	Tactics Meeting	Coordination Opportunity for Operations		OPS, d-OPS, PSC, RESL, SITL		Staging Area 2850 Fair St
<b>1830</b> (Daily)	Planning Meeting	Present the operational plan for IC approval		Command and General Staff		ICP Conference Rom 800-320-4330 Code: 561078
4. Special and Other Meetings:						
None						
5. Prepared by: (PSC)						( Date / Time )
Name:				Signature:		
DAILY MEETING SCHEDULE ICS 230 - EPA (Rev						





### Operations Morning Meeting

- Work assignments
- Safety briefing
- Important announcements







### **HHW Collector Apps**

- Access on iPad in field
- Documents site activity
- Standard operating procedures for consistency
- Relevant parcel information
- Uploaded to EPA's data management system
- Ability to look up in real time parcel status to interested residents at public meetings



### Community Outreach and Public Meetings

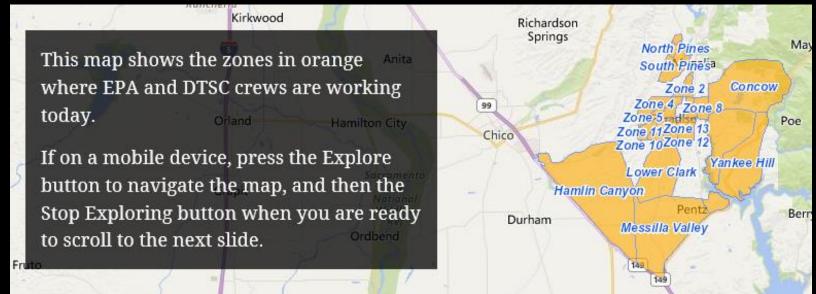






### US EPA Story Map

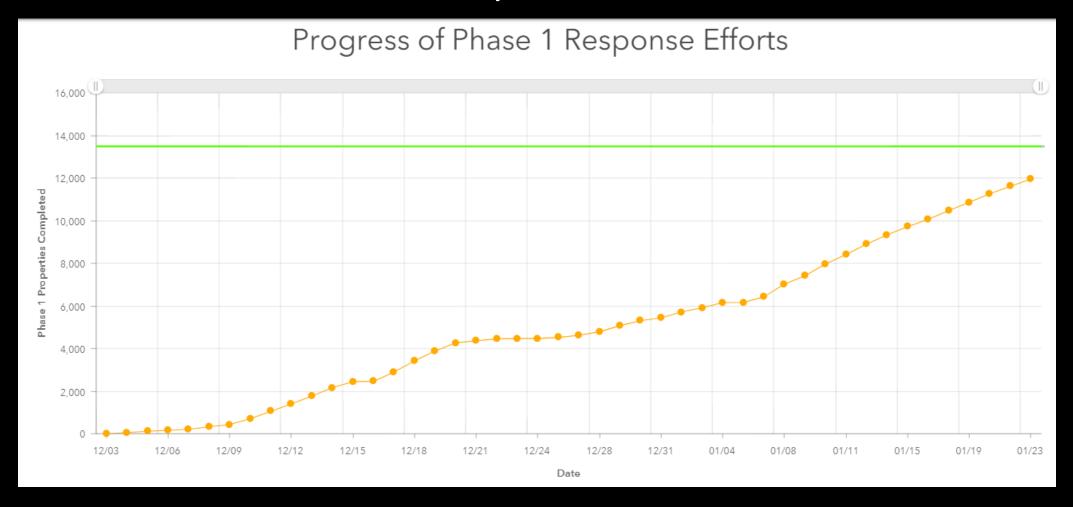




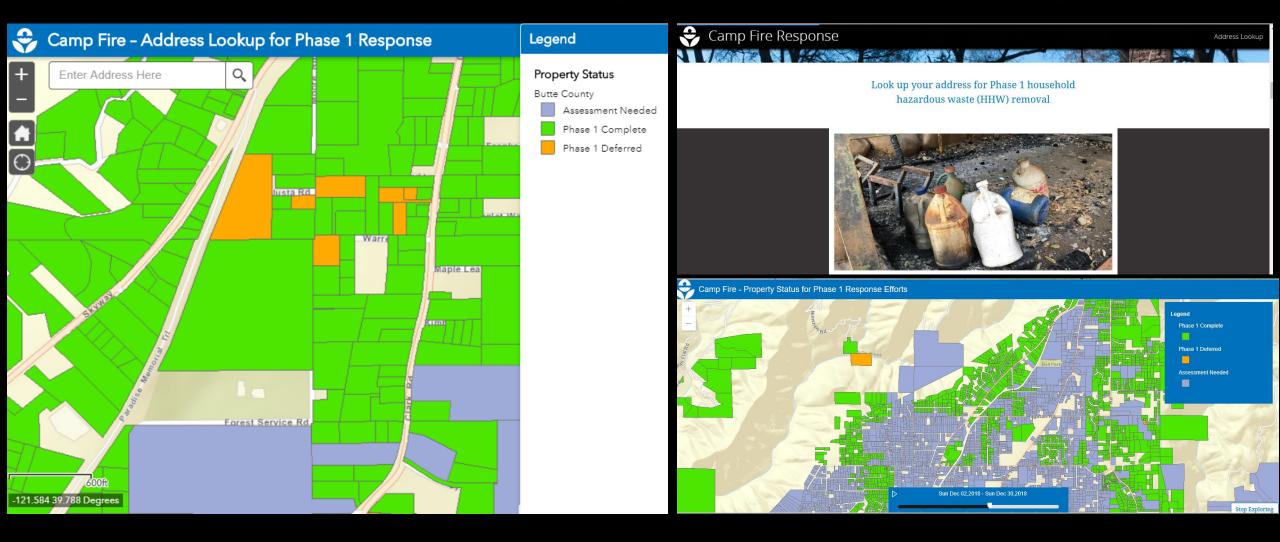


#### **US EPA Story Map: Progress Metrics**

- Jan. 23, 2019: 91% of properties completed
- Feb. 1, 2019: Phase I complete

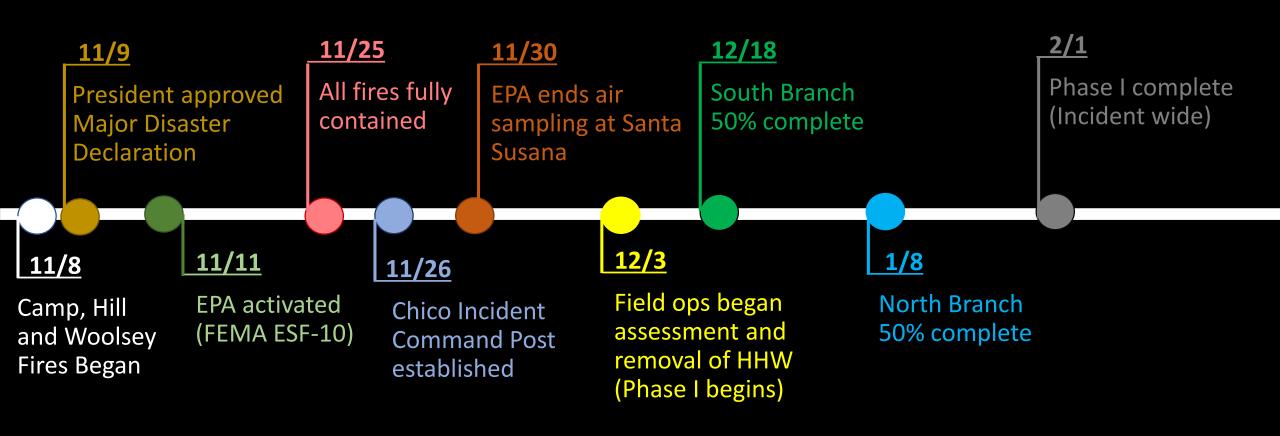


### US EPA Story Map: Address Lookup





### 2018 California Wildfires Timeline





### Lessoned Learned

- Efficient scale up
  - Ability to access resources quickly
  - "Go big early"
  - Established ICP close to impacted areas
  - Data systems invaluable
- Early investment with partners and public
  - Community engagement
  - Integrate with local government
  - Communicate directly with the affected population
- Resilience and dedication of EPA staff nationwide to serve deployments through holidays and furlough periods