

DTSC PHASE 1 OPERATIONS DISASTER RESPONSE

Presented By

ADAM PALMER

**DEPARTMENT OF TOXIC SUBSTANCES
CONTROL**

EMERGENCY RESPONSE PROGRAM

MAY 27, 2022

Requesting DTSC Assistance

- ▶ Local Agency requests DTSC assistance via Local OES Office
- ▶ Local OES makes a request to Cal OES for DTSC assistance
- ▶ Cal OES issues Mission Assignment to DTSC for Phase 1 Operations- Assess and remove Household Hazardous Waste and asbestos from structures on residential, commercial, and public properties in some cases that includes schools
- ▶ State Disaster Declarations typically trigger DTSC involvement for wildfires, floods, earthquakes, etc..
- ▶ Federal Declaration allows for requesting US EPA Assistance

DTSC Emergency Response Involvement

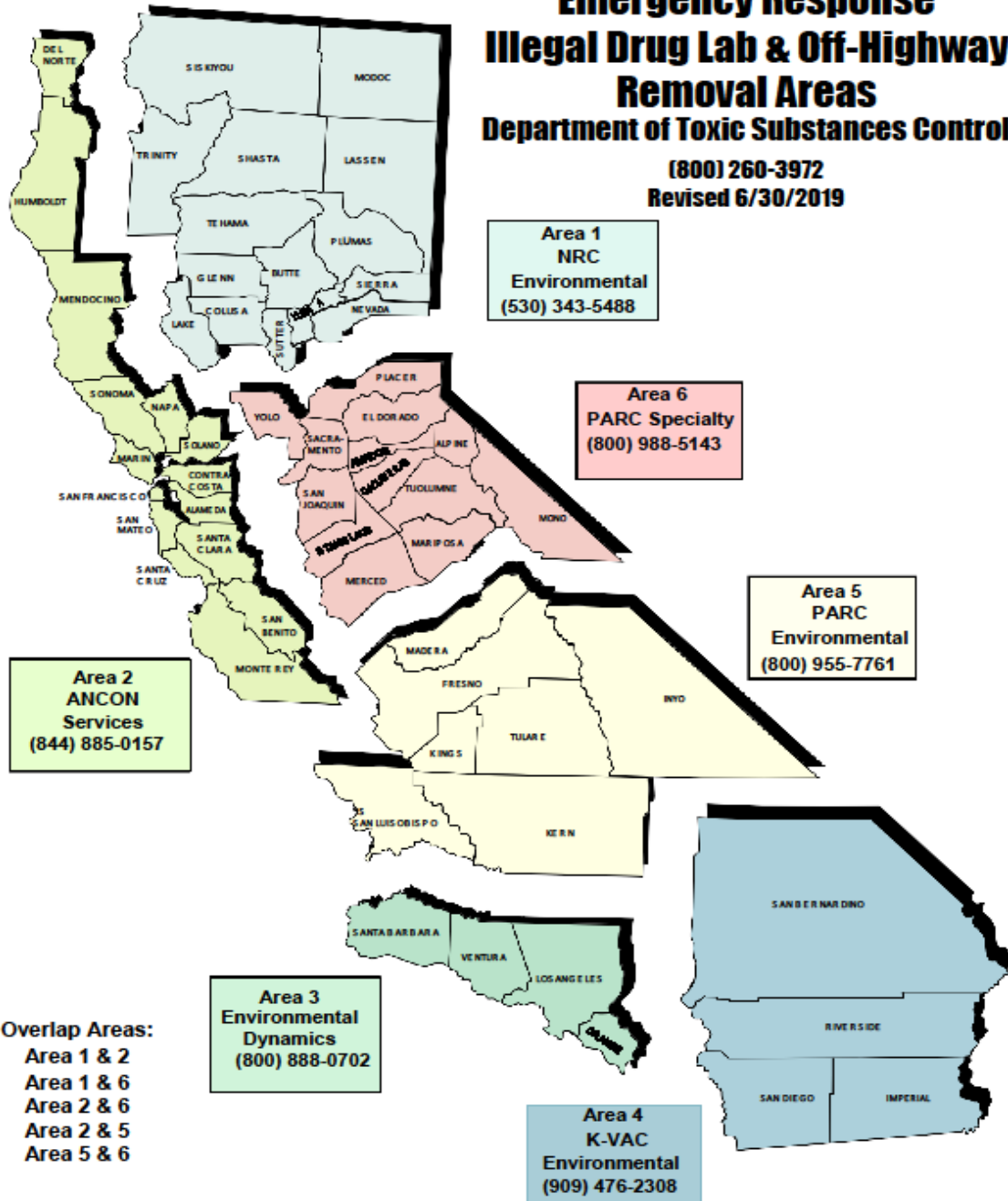
- ▶ Pre-Planning Activities Include:
 - ▶ Contractor Coordination;
 - ▶ Organize Internal Resources - DTSC Staff;
 - ▶ Coordinate with External Agencies;
 - ▶ Local Agencies - Identify Staging Areas, Public Health Declarations, Personnel Resources
 - ▶ OES - Weekly and/or Daily Coordination calls
 - ▶ US EPA - If Federal Declaration is declared possibly request US EPA assistance for Phase 1 Operations

Emergency Response Illegal Drug Lab & Off-Highway Removal Areas

Department of Toxic Substances Control

(800) 260-3972

Revised 6/30/2019



DTSC Disaster Responses

- ▶ San Bruno Gas Pipeline Explosion - 2010
- ▶ Escondido Bomb House - 2010
- ▶ Sonoma County Floods - 2019
- ▶ 2017 -2021 - DTSC conducted Phase 1 Operations on 55 Wildfires statewide
- ▶ Between 2020 - 2021 DTSC responded to 37 of the 55 Wildfires
- ▶ Dixie and Caldor Fires (2021) - Both fires started on western slope of Sierra and spread to the eastside

Household Hazardous Waste (HHW) and Asbestos

- ▶ What is HHW? - Batteries, Waste Oil, Misc. Fuels, Compressed Gas Cylinders, Bulk Pesticides, Fertilizers, Paints, Thinners and Aerosol Cans
- ▶ Asbestos Can Include the Following - Transite Siding, Transite Pipe, Transite Roofing, and Floor Tiles

Phase 1 Assessments/Removals Protocols

- ▶ Identify any potential hazardous i.e. hazard trees, chimneys, septic tanks, etc.
- ▶ HazMat Crews scan debris pile w/ Rad Meter & Multi-Gas Meter
- ▶ Certified Asbestos Consultant identifies any easily removable pieces of asbestos
- ▶ Asbestos Removal Contractors enter debris pile and remove previously identified asbestos
- ▶ HazMat Crews enter debris pile and remove household hazardous waste

Historical Process

- Excel sheets and print assessor's maps
- Manually navigate through neighborhoods and rural areas looking for parcels
- ER staff would fill out paper form detailing HHW found and removed
- Every night, field staff would compile all of this information, and then send excel updates to CalOES, FEMA, CalRecycle, and Counties
- Public had no knowledge of status

**MCCOURTNEY & LOBO FIRE (NEVADA COUNTY) FIELD CHECK LIST
HHW ASSESSMENT**

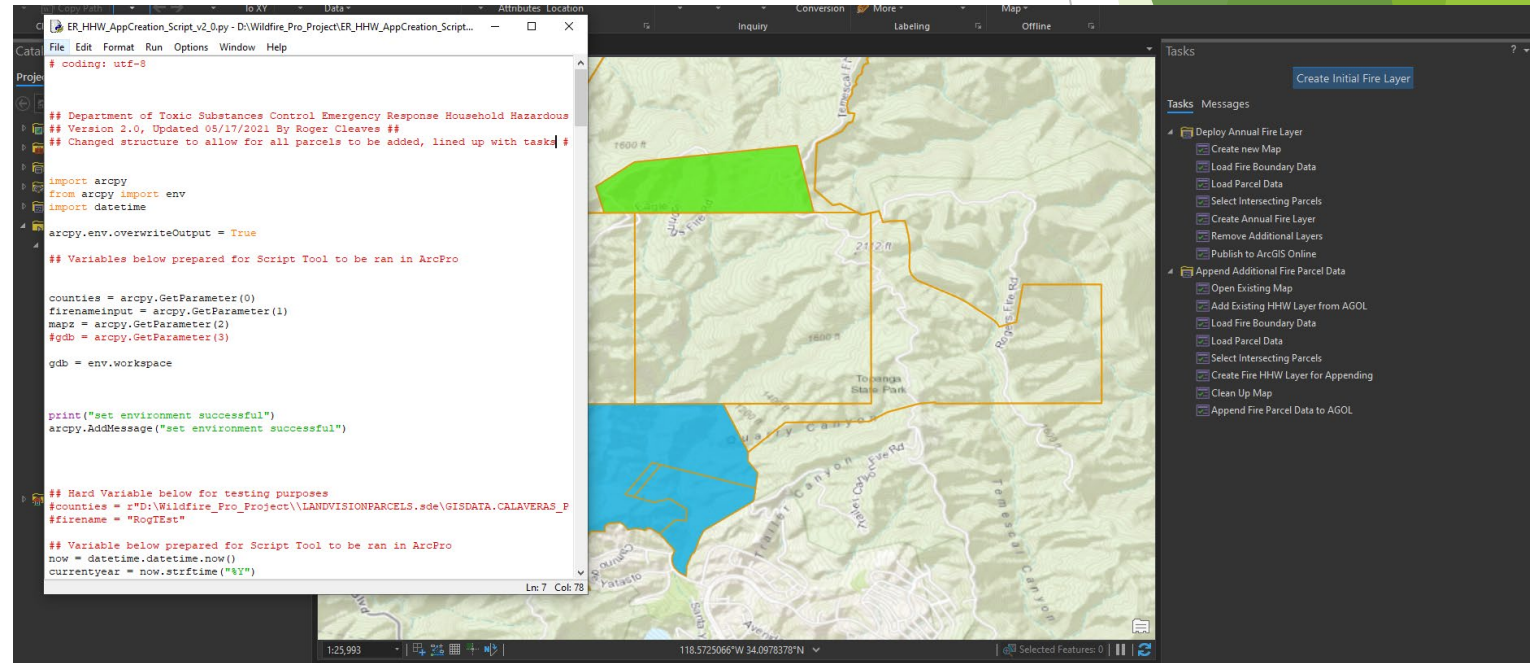
GPS

ADDRESS	11064 Ponderosa Rd., Rough & Ready	N Lat. 39.234903
APN		W Long. 121.156345
DATE	10/19/2017	
TIME ONSITE	1215	
PERSONNEL	NRC, Nevada County, * DTSC	

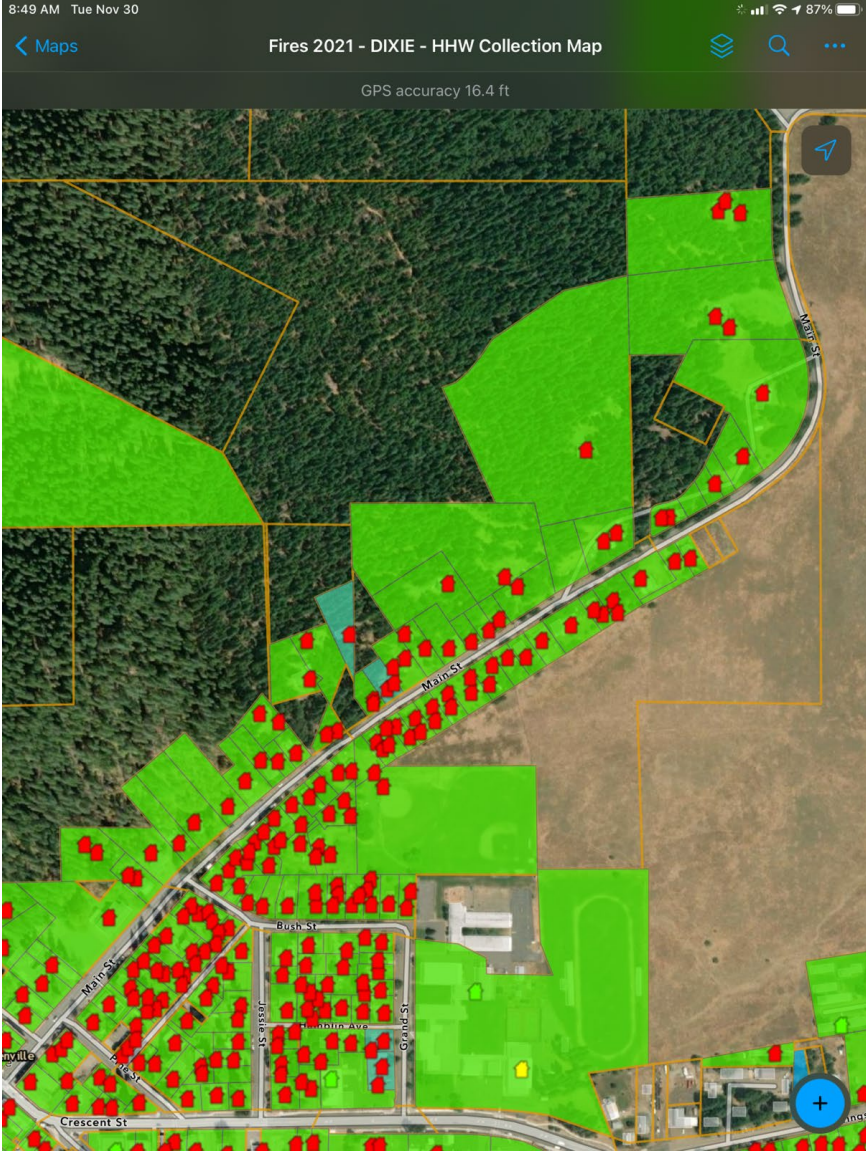
		YES	NO
ASBESTOS:	Is there potentially ASBESTOS containing materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PUBLIC CONTACT:	Was there any with the PUBLIC at this address?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
EMPTY CONTAINERS:	Were EMPTY CONTAINERS identified and marked with WHITE PAINT (X)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FUEL TANKS? HHW REMOVED?		# CONTRS	SIZE (GAL/LB)
Used Oil/Fuel		13	55 gallons
Antifreeze		1	1 gallon
Batteries		10	
Paint		2	1 gallon
Propane cylinders	Misc. Sizes	20	
Pesticides/Fertilizers			
Pool or Cleaning Chemicals			
Gasoline		7	5 gallons
Diesel			
Other:	1 aerosol can 1 gallon solvent		
Types of Asbestos (transite piping, panels, chimney flues)			
	- Large amount of transite roofing located on back on property stacked up. → removed by crew		
	- Miscellaneous pieces of asbestos throughout property		
OTHER NOTES:	Two saddle fuel tanks located on partially burned truck were half-full of fuel. Property owner wanted the fuel thus we did not remove it.		
CGI / 4 Gas	ND		
Gamma Rad	ND		

ER Field Data Collection

- ▶ Utilized ESRI ArcGIS Field Maps (formerly Collector and Survey 123 Apps) for data collection
- ▶ ArcGIS Online (SAAS) used as data infrastructure
- ▶ Scripts, Tasks and Deployment Documents created to allow team to quickly deploy new app-set based on new mission assignments
- ▶ Annual meeting to discuss lessons learned and changes needed



Data Collection App



Parcel Details

APN 110081010	Address 630 MAIN ST	Fire Name Dixie
------------------	------------------------	--------------------

Assessment Details

Parcel Status *
Assessed - Complete

Team Lead Initials *

Date and Time On-Site *
Date Time

Date and Time Off-Site *
Date Time

CGI/4 Gas Detected? *
 Yes
 No

Gamma/Rad Detected? *
 Yes
 No

ACM Details

ACM Exists On-Site? *
 Yes No

HHW Details

HHW exists onsite? (enter HHW details below) *
 Yes No

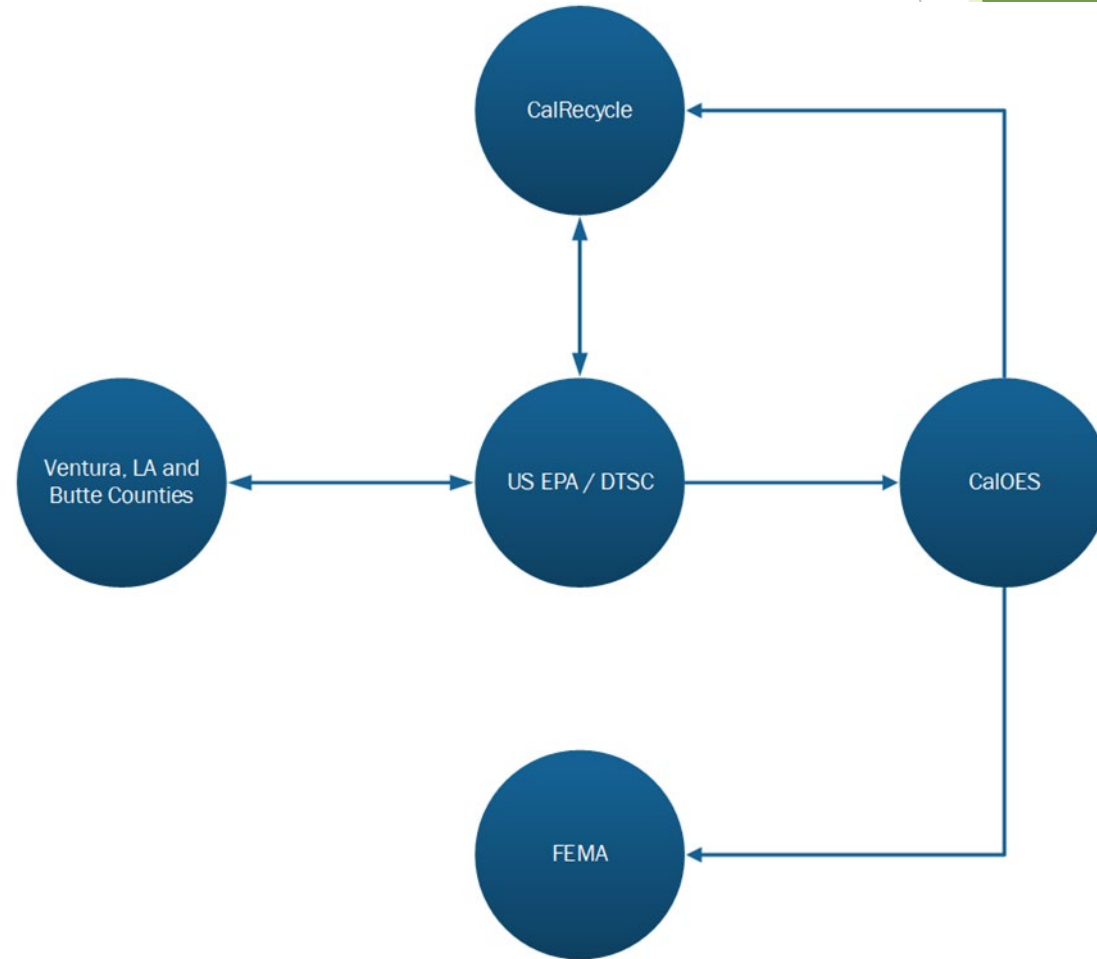
Additional Details

E-waste Collected Onsite? *
 Yes No

Is there a large propane tank onsite? (>100 gallons)
 Yes No

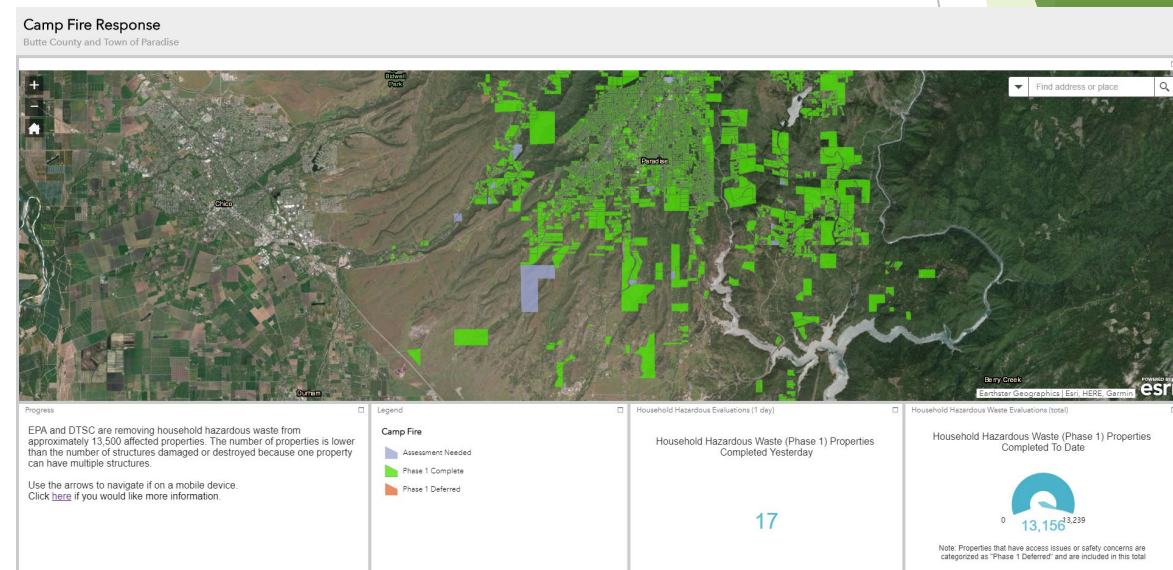
ER Field Data Collection

- ▶ Instant communication of progress
- ▶ Data synced with Local Requesting Agencies, OES, and CalRecycle giving a clear picture on status of response
- ▶ Allowed planning staff to coordinate next day's assignments, and allowed field staff to see progress and possible hazards other teams may have discovered in area



Informing the Public

- ▶ Dashboards were made available to public showing current status of removal operations
- ▶ Information included assessment status, date of assessment, and daily and total counts of assessments
- ▶ Data updated in real-time

















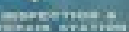


KEN'S

Automotive
Service



State of California
LICENSED
**SMOG
CHECK**



INSPECTION &
REPAIR STATION







































KUBOTA

HercRentals

XJ8D57
CAT 246D









KUBOTA

RA - 915
Zeeman mercury
SPECTROMETER

Status of Current Phase 1 Operations

- ▶ DTSC initiated Phase 1 Operations on the Tamarack Fire on 8/8/2021 - First Operation of 2021 Wildfire Season
- ▶ To date, ER has responded to 16 wildfires statewide and assessed and removed HHW and bulk asbestos from 2,400+ properties
- ▶ Phase 1 Operations have been completed on all 16 wildfires
- ▶ ER continues to support Cal Recycle during Phase 2 Debris Removal Operations if add'l HHW is discovered

Phase 1 Operations - Continued

- ▶ “Milk Run” Operations ongoing in support of Phase 2 Operations
- ▶ Mercury Cleanups currently being conducted in Mendocino, El Dorado, and Plumas Counties
- ▶ Mercury Cleanups were conducted in Lake and Trinity Counties

QUESTIONS??