

Trona — Ridgecrest Fault Complex and Earthquake Sequence

Trona—Windy Acres Response and Recovery

Wilson Canyon fault

San Bernardino County Communities Affected

Trona Area

- 4 communities
 - Pioneer Point Newcom — 1980's to present
 - Trona — 1920's to 1930's
 - Argus - 1920's to present
 - West End - Small community 1920's to present
- One shopping district
- Mostly Paved Roads, water, gas and sewer system
- Sheriff' Resident Deputy
- County PCF Fire Station
- Library
- Population 1,988 (2019 estimate)
- County Services Building
- Population 2,988 (2019 estimate)
- 2,988
- Approximately 920 residences
- Attractions

Windy Acres Community

- 1960's
- Older single Family Residences and Mobile Homes
- Dirt Roads
- Propane
- Septic Systems
- No government offices
- Population 350 (2019 estimate)

Recovery Center

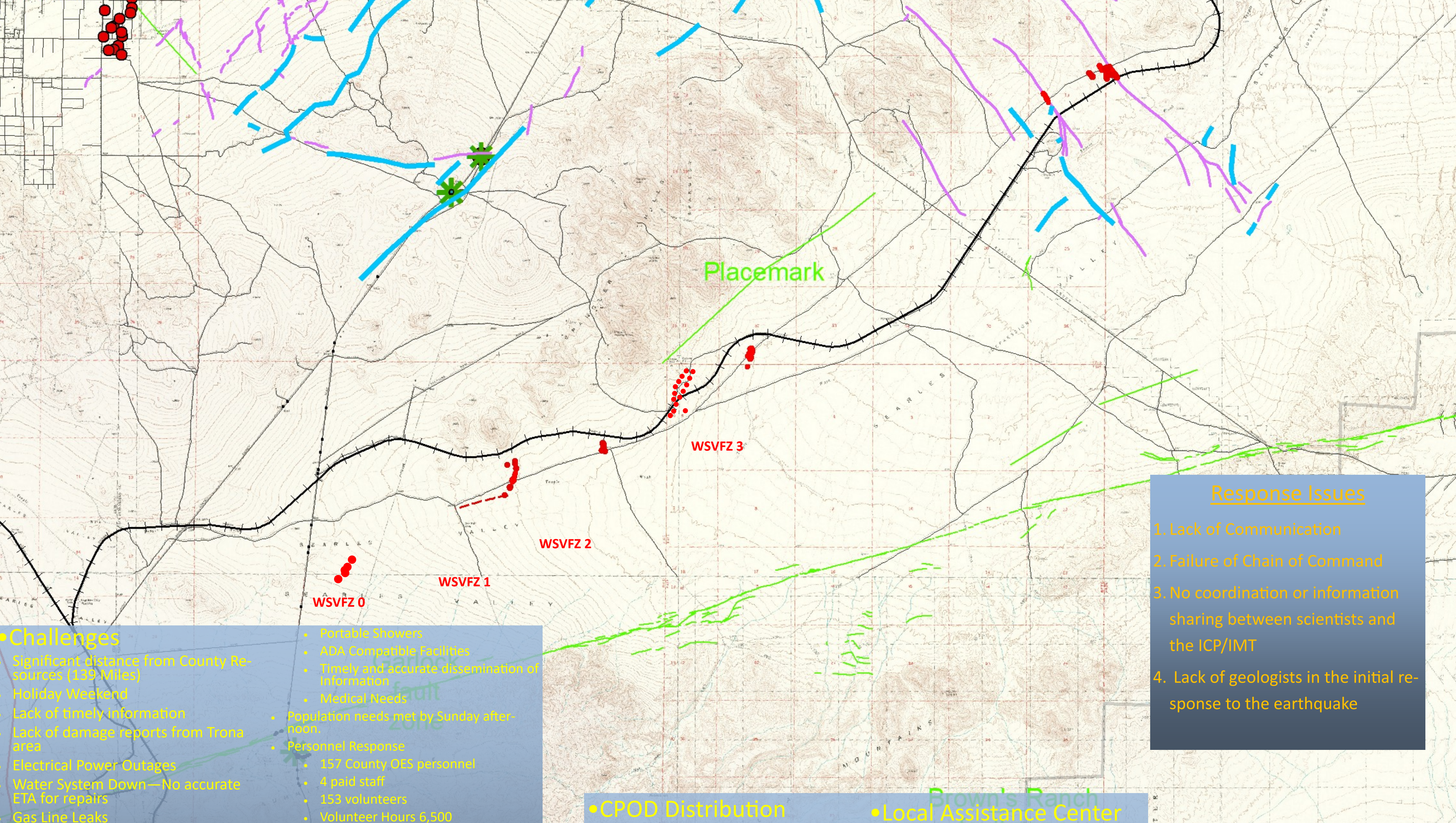
- July 19th to August 8th
- LAC closes and transitions to Recovery Center to focus on those with continuing needs and case management
- Public Health
- Behavioral Health
- Aging and Adult Services
- Land Use Services
- ARC Client Services
- CPOD closes
- SBA DLOC opens August 9th
- 44 Red Tags Issues
- 58 Yellow Tags Issued

Emergency Operations

- Started July 4, 2019 at 17:34 Thursday - late afternoon
- OES Staff Determined earthquake was in SB County
- Affected Popularity/communities — Trona Area
- Probable Damages - Not reported as significant
- Planned Response
 - Saturday, July 6th, 2019 07:00
 - Field Inspection for IDE
- Holiday slowed response down.
- EOC at Level 3 — Duty Officer (lowest Level)
- After 7.1EQ
 - Initial Response
 - Started at 20:20 July 5th
 - EOC to Level 2 (Medium Level)
 - Significant Staffing
 - EOC
 - OES Field Response
 - OES, County Departments, and ECS — CERT responders
 - On Scene Evaluations/Damage Survey
 - Station 57 (PCF only)
 - Sheriff — Resident Deputy

- DMR - Limited Response
- County OES arrived on scene at 0013 hrs 7/5/19
- NOTE - Station 57 crew had a draw through on Saturday. No assistance rendered
- Damage Assessment
 - Utilities
 - No Electrical Power
 - No Water
 - No Sewer
 - Natural Gas Leaks
 - Residential Structures
 - Destroyed
 - Major-Moderate
 - Minor
 - Business
 - Destroyed
 - Major-Moderate
 - Minor
 - Transportation
 - Highways and Roads damaged
 - Railroad damaged
 - Mining Operations
 - Damaged, out of service for several weeks
 - After Action Report
 - Policy change to have geologist respond for a 5.0 or greater EQ.
 - Immediate OES response for 5.0 or greater EQ

fault zone



Challenges

- Significant distance from County Resources (135 Miles)
- Holiday Weekend
- Lack of timely information
- Lack of damage reports from Trona area
- Electrical Power Outages
- Water System Down — No accurate ETA for repairs
- Gas Line Leaks
- Market Condemned
- Medical Clinic Condemned
- Roads damaged
- Media reports did not mention Trona area
- Extreme Heat High 109 - 110, Low 73-77
- Gasoline Station Destroyed
- Local Schools Condemned

- Portable Showers
- ADA Compliant Facilities
- Timely and Accurate Dissemination of Information
- Medical Needs
- Population needs met by Sunday afternoon
- Personnel Response
 - 157 County OES personnel
 - 4 paid staff
 - 153 volunteers
 - Volunteer Hours 6,500
- Other County Departments
 - Behavioral Health
 - Public Health
 - Public Works
 - Special Districts
 - Land Use Services
 - ISD
 - Fleet Services
 - County Sheriff
 - County Fire
 - County Administrative Office
 - Human Services Departments
 - Library Department
 - Animal Control
 - California Army National Guard

Recovery Response

- Population Needs
 - Drinking Water
 - Ice
 - Portable Toilets

CPOD Distribution

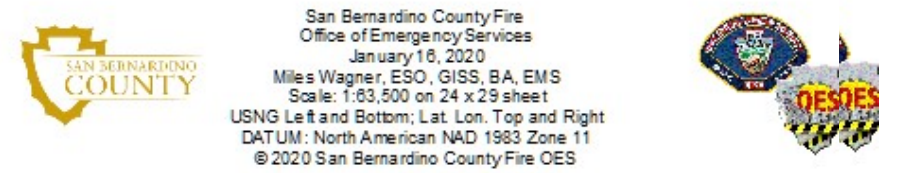
- 21,600 cases of bottled water (450 pallets)
- 1,275 bottles of one-gallon bottled water
- 281 cases of Gatorade
- 46,200 pounds of ice
- 45 cases of diapers
- 280 waterless hygiene kits
- 640 2.5 gallon bottles for non-potable water
- 235 cases of MREs
- 34,000 gallons non-potable water
- 28,000 gallons potable water
- NOTE: Three local churches were also providing drinking water, food, and other needed commodities to the residents and citizens of the Searles Valley.

Local Assistance Center (LAC)

- LAC = 646 clients
- Resident calls for damage assessment/other services = 78
- ARC Shelter Ridgecrest = 45 utilized services/37 stayed at the shelter
- EHS = 10 food facilities were inspected
- ACC = 25 dogs and cats were impounded/19 dogs/cats remained at the shelter/total 74 field service calls were completed
- MSU = 94 clients were seen including 6 home visits and 2 medical transports to Ridgecrest Regional Hospital

Response Issues

- Lack of Communication
- Failure of Chain of Command
- No coordination or information sharing between scientists and the ICP/IMT
- Lack of geologists in the initial response to the earthquake



Miles H. Wagner, San Bernardino County Office of Emergency Services
Frank Jordan, Engineering Geologist