“The Refugio Incident”

Environmental Conditions

- **Marine Protected Areas** (Kashtayit & Naples)
- **Sensitive sites**
- **Varied composition**:
  - Soil, Cobble, Rock, Sand, Cliffs, Kelp, Marinas, Parks
- **Wildlife impacts**
  - Bird nesting, Grunion Spawning
  - Impacts to birds, mammals, etc
  - Domoic Acid/ Red Tide occurrence
- **Air quality for community and responders**

Incident Command Post

UC Composition

FOSC: USCG

SOSC: California Fish & Wildlife – Office of Oil Spill Prevention and Response (OSPR)

RP: Plains All American Pipeline

LOSC: Santa Barbara County

That's interesting….

Local community's "spontaneous" response

Resource & logistics availability- Memorial Day weekend; Large events; Coast Guard Routine transfer season

Cultural Influences

- Tribal
- Inhabitants of Coast for over 13,000 years

From landside source to ocean

Citizens & Volunteers

Immediate outpouring of community citizens

Outstanding affiliated volunteers

- SB Co. Community Emergency Response Team (CERT)
- California Conservation Corps (CCC)
- Local Fire Community hand crews
- Oiled Wildlife Care Network (OWCN) volunteers
- CDFW Natural Resource Volunteer Program (NRVP)

Beach clean-up and various tasks for citizens

- May 25 & 28th 200 volunteers trained in a *modified* Hazard Safety Communication Training
- May 27, 30 & 31 Beach Cleanups

That's interesting….

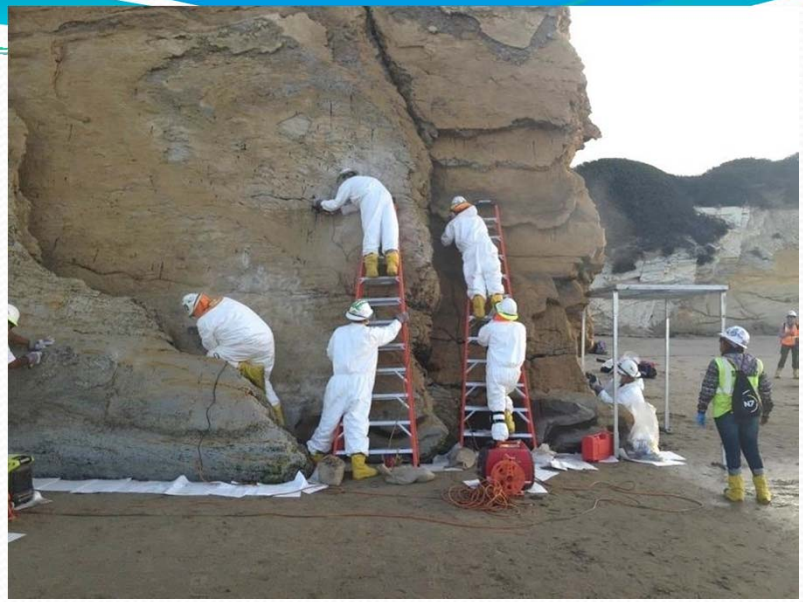
Tar Balls in Four Counties

- South Bay Incident Command Post
  - $1.5 mil clean up by USCG, OSPR, LA County Unified command
- Oil/tarballs appeared on beaches in:
  - Santa Barbara, Ventura, Los Angeles & Orange Counties
- 96.5 Miles Assessed to determine relationship w/ Refugio pipeline
- 4-County Sampling Blitz

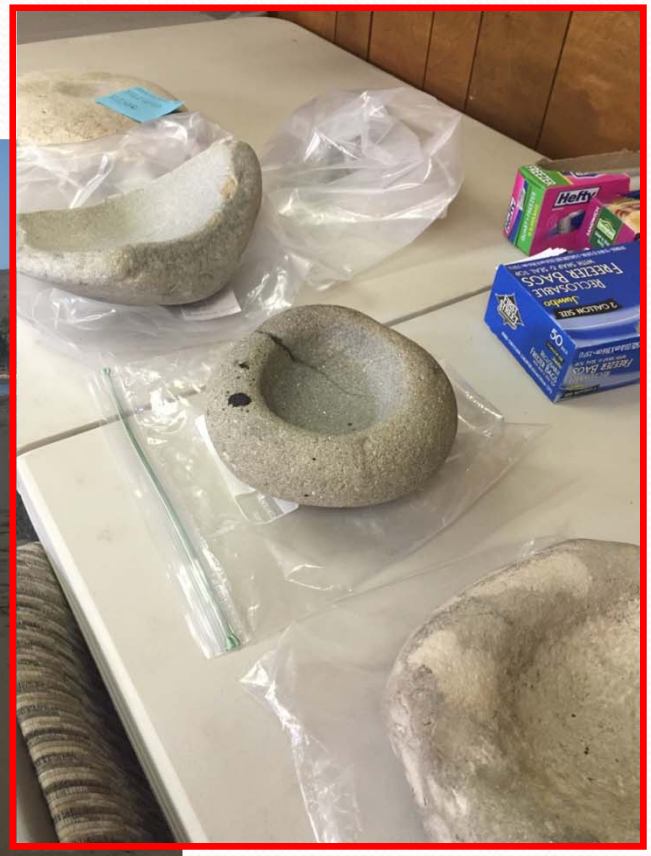
Operations

- **Inland**
  - Cleanup pipeline site, culverts, forested area above the beach
  - Pipeline Removal and repair
- **Offshore**
  - On the water skimming
  - Underwater Diving Ops
- **Onshore**
  - Sandstone cliffs, boulders, rocks, shoreline
  - Applied Response Technologies

Safety Constraints



Tribal Involvement



Robust JIC, Public Affairs, Community Relations

Stakeholder/ NGO listening event

Community Relations Open House

- important public information tactic
- community knowledge of response ops

Media availabilities & over-flights

- greater transparency
- demonstrate progress
- Worksite access, wildlife release, etc

Since then…

- Unified Command represented teams conducted scheduled oil sampling efforts – comparison between labs show no match to spilled oil.
- Periodic Unified Command meetings to discuss progress toward endpoints and sampling results.
- **Federal On-Scene Coordinators After Action Report** on May 3, 2016 – www.uscgnews.com
- OSPR's After Action Report
- FOSC's AAR has 22 Lessons Learned, promising practices, recommendations
- Continued monitoring until December 2016

Before

After