“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.
- OSPR’s After Action Report
- FOSC’s AAR has 22 Lessons Learned, promising practices, recommendations
- Continued monitoring until December 2016