Incident Command Post Santa Barbara
Refugio Oil Spill
Unified In All Missions
Status as of:
06 Jun 2015 / 2000 PDT / Response Day 19
www.refugioresponse.com

Executive Summary

The ICP is currently overseeing operations in Santa Barbara and Ventura County, 96.5 miles of shoreline, 30 miles of offshore and inland where the response originated. Plains All American estimates that the maximum potential release is 101,000 gallons spilled.

Samples have been collected at all tar ball sites and will be fingerprinted to determine if there is any correlation to the Refugio Beach Incident.

Shoreline Cleanup Assessment Technique teams, made up of scientists trained in evaluating oil coverage on shorelines, survey beaches and report on their status. The survey results drive where cleanup operations will occur. Survey work includes looking at the high and low tide areas, examining the area below the sand, down to two feet, and checking all of the rock and other beach structures for oiling. For the Southern California area, natural seeps are part of the natural state of the environment. Once the beaches are signed off they will return to their natural state that includes the presence of tar and oil from natural seeps.

SCAT Phase II end points have been achieved for 44% of the impacted shoreline. The attached graphic depicts detailed data about this progress.

The following supporting plans have been approved by the Unified Command:

- Release Area Stormwater/Erosion Control Plan (SW/ECP)
- Fingerprinting Sampling and Analysis Plan Version 1.1
- Air Sampling and Analysis Plan
- Emergency Response Sampling and Analysis Workplan Version 1.1
- Seep Oil Sheen Sampling Plan

Current Impacts

- The majority of oiling is located on beaches, cobble, riprap, and on rock faces between Arroyo Hondo and El Capitan Beach. Light oiling has been discovered as far as Point Mugu (east) and 2 miles west of Arroyo Hondo (west). These areas have been targeted for manual removal as needed.

Potential Impacts

- As free-floating oil progressed east, Coal Oil Point, Haskell Beach, Bacara Resort, and Goleta Beach were oiled, however it has yet to be verified whether light oiling is from natural seepage or the current discharge. Coal Oil Point is a sensitive habitat for Plovers; Goleta Beach is a popular swimming and water sports location.

Response Efforts

- Onshore:
    - Work continued on the bluff. Lane closures are expected to continue daily from 0900 to 1500.
- Shoreline:
    - Work crews continue clean up at work sites from Gaviota Creek, Santa Barbara County, to Hollywood Beach, Ventura County.
    - 1,080 feet of hard and sorbent boom remain in place, protecting 3 sensitive sites as identified in the ACP.
    - The State Park has closed Refugio and El Capitan state beach through 25 June.
- On Water:
    - The assigned 17 vessels conducted on-water operations only. No oily water mixture was collected today, therefore the cumulative total remains 14,267 gallons.
    - Oil was observed from scheduled NOAA over-flights. This area is prone to natural oil seepage and the environmental unit is assessing possible sources and distinction of natural seepage versus oil spilled from this response.
    - The temporary safety zone remains in place for 6 NM of shoreline from Tajiguas creek to and including El Capitan Beach, extending out 500 yards from the shoreline. In addition, a 100 yard radius temporary safety zone remains in place around all vessels engaged in the recovery operations.
    - A 23 mile by 6 mile area offshore has been closed to fishing. CA Fish and Wildlife P/B Swordfish remains on scene to enforce fishery closure.
    - A 1000 foot temporary flight restriction within a 5 mile radius of Refugio Beach has been extended to 20 Jun 2015. An internal incident flight restriction remains in effect within ½ mile or an altitude of 500ft in the vicinity of Coal Oil Point to protect Snowy Plover habitat.

Impact Measurements

	TOTAL Birds			**TOTAL Mammals**		
Date	Live	Dead	Date Totals	Live	Dead	Date Totals
6 Jun 2015	2	13	15	1	5	6
Cumulative Total	60	149	209	44	72	116

	Shoreline Oiling Categories (miles and %) - Refugio Incident													
Most Recent Survey Date	Heavy		Moderate		Light		Very Light		Tar balls (<1%)		No Oil Obs.		Total Oiled Shoreline	Total Surveyed Shoreline
6/5/2015	3.97	5.0%	18.23	22.9%	24.13	30.3%	4.68	5.9%	21.68	27.2%	7.02	8.8%	72.69	79.71

Waste Management (as of 6 June 2015)		
Material	Estimated Daily Total Removed (cubic yards)	Estimated Cumulative Total Removed (cubic yards)
Oiled Sand	30	660
Oiled Vegetation	15	660
Oiled Debris/PPE	30	300
Oiled Soil	0	3,840
Culvert Soil	0	70
Absorbent	45	165

External Affairs

- Helicopter overflights are being planned for 2 media outlets (CNN and a local station) with a seep expert.
- Produced and distributed 20+ products with the overarching theme of "progress," including photos of current operations and updated fact sheets.

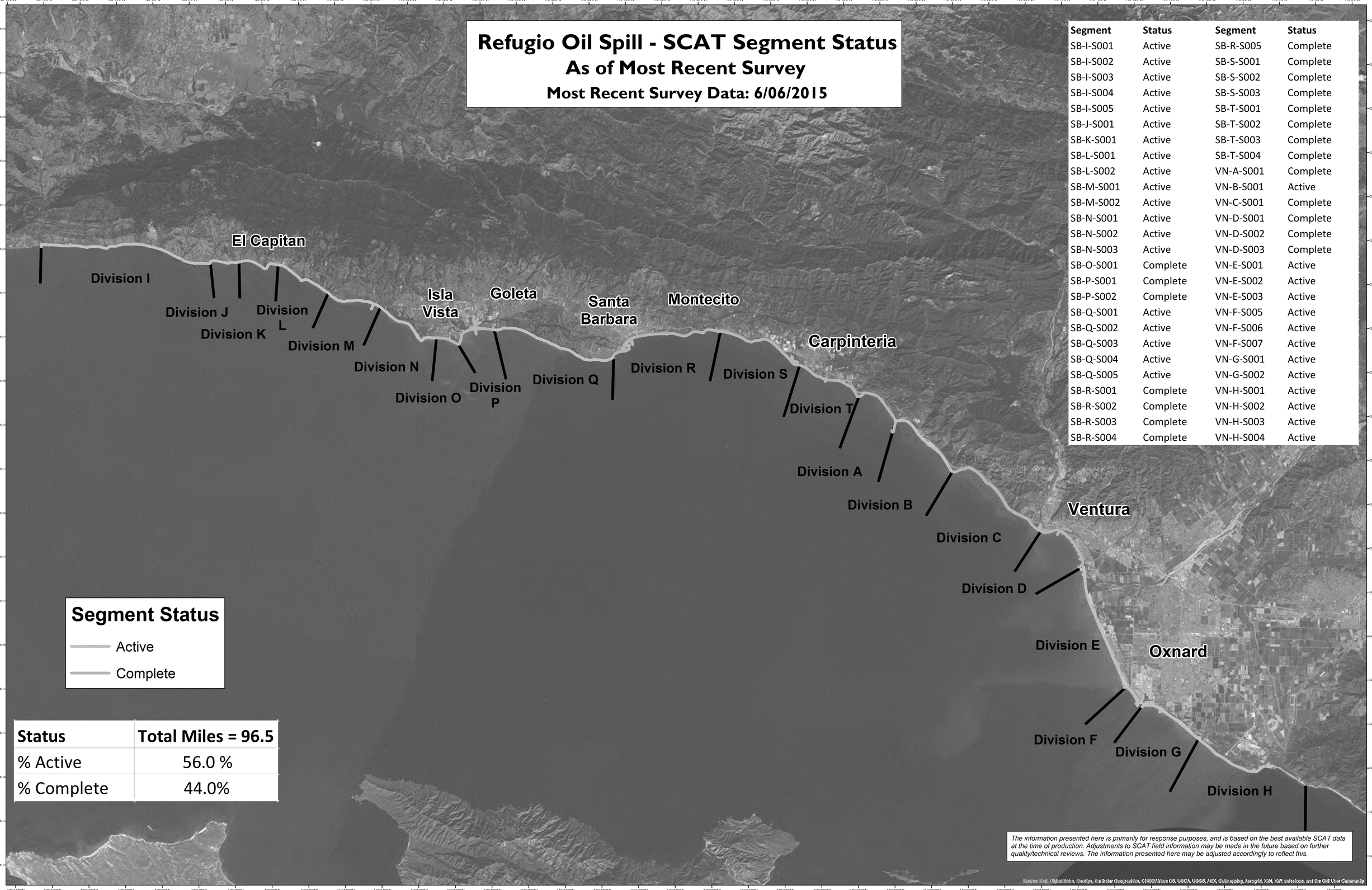
Tribal and Elected Officials

- Chumash Tribal Members continue to provide cultural and archeological guidance and oversight as needed. 54 cultural monitors and 10 archeologists are supporting the response.
- **Personnel Involved**
- 1,147 (down from 1,287) workers are engaged in Field Operations.
- 119 (down from 124) personnel are assigned to the ICP.
- Total personnel 1,266 (down from 1,411)

Refugio Oil Spill - SCAT Segment Status

As of Most Recent Survey

Most Recent Survey Data: 6/06/2015



Segment	Status	Segment	Status
SB-I-S001	Active	SB-R-S005	Complete
SB-I-S002	Active	SB-S-S001	Complete
SB-I-S003	Active	SB-S-S002	Complete
SB-I-S004	Active	SB-S-S003	Complete
SB-I-S005	Active	SB-T-S001	Complete
SB-J-S001	Active	SB-T-S002	Complete
SB-K-S001	Active	SB-T-S003	Complete
SB-L-S001	Active	SB-T-S004	Complete
SB-L-S002	Active	VN-A-S001	Complete
SB-M-S001	Active	VN-B-S001	Active
SB-M-S002	Active	VN-C-S001	Complete
SB-N-S001	Active	VN-D-S001	Complete
SB-N-S002	Active	VN-D-S002	Complete
SB-N-S003	Active	VN-D-S003	Complete
SB-O-S001	Complete	VN-E-S001	Active
SB-P-S001	Complete	VN-E-S002	Active
SB-P-S002	Complete	VN-E-S003	Active
SB-Q-S001	Active	VN-F-S005	Active
SB-Q-S002	Active	VN-F-S006	Active
SB-Q-S003	Active	VN-F-S007	Active
SB-Q-S004	Active	VN-G-S001	Active
SB-Q-S005	Active	VN-G-S002	Active
SB-R-S001	Complete	VN-H-S001	Active
SB-R-S002	Complete	VN-H-S002	Active
SB-R-S003	Complete	VN-H-S003	Active
SB-R-S004	Complete	VN-H-S004	Active

Status	Total Miles = 96.5
% Active	56.0 %
% Complete	44.0%

The information presented here is primarily for response purposes, and is based on the best available SCAT data at the time of production. Adjustments to SCAT field information may be made in the future based on further quality/technical reviews. The information presented here may be adjusted accordingly to reflect this.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

0 5 10 20 Kilometers

0 3 6 12 Miles