June 10, 2015 Daily Report

(Presenting June 9 Progress and Plans Forward)

Refugio Incident

This daily report addresses elements listed in the *Order for Removal, Mitigation or Prevention of a Substantial Threat of Oil Discharge*. The elements include descriptions of 1) anticipated problems and planned resolutions, 2) significant developments, 3) work performed, 4) treatment and disposal information, 5) analytical data received, and 6) schedule of work. The following attachments contain detailed information pertaining to each listed element:

- **Summary of Anticipated Problems and Resolutions** (June 10)
    - Anticipated problems and planned resolutions

- **Executive Summary** (describing prior day, June 9)
    - Significant Developments
    - Work Performed
    - Disposal Information

- **Incident Status Summary Form 209** (Effective June 9 07:00 – June 10 06:59)

- **CTEH Summary of Environmental Sampling Efforts** (June 9)
    - Analytical Data Received to Date

- **Incident Action Plan** (Effective June 9 06:00 – June 11 05:59)
    - Schedule of Work to be Performed (Form 204)

Summary of Anticipated Problems and Resolutions

Refugio Incident

June 10, 2015

Anticipated Problems	Planned Resolutions
• Cultural considerations.	• Continue to work with cultural monitoring specialist to ensure we have resources available to monitor all response activities in cultural sensitive areas. Agreement reached between cultural rep. and UC regarding excavation activities in the Sec. 4. We will continue to coordinate as needed.
• Safety related issues referring to highway traffic on 101 near Refugio Staging and Section 1 entrance and exit.	• Signage has been placed near lane closures, crews have been instructed regarding access, crews will continue to monitor the need for additional signage and/or personnel to provide safe access.
• Workers in Section 4 (within the hot zone) are required to have proof of respirator fit test. On June 5 one of the workers was not able to enter the area because his fit test certification was not available on hand. Worker was certified, just no proof on site.	• Communicate to all incoming personnel that all required certifications will be needed prior to entering portions of the site.

Incident Command Post Santa Barbara
Refugio Oil Spill
Unified In All Missions
Status as of:
09 Jun 2015 / 1800 PDT / Response Day 22
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 Techniques (SCAT) Phase II end points have been achieved for 76% of the impacted shoreline. The attached graphic depicts detailed data about this progress.

	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
6/8/2015	3.89	4.7%	10.76	13.1%	17.47	21.2%	2.75	3.3%	18.99	23.1%	28.41	34.5%	53.86	82.27

Daily operations were minimally impacted by todays rain.

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 continues on the bluff. Lane closure times are from 0900 to 1800.
- Shoreline:
    - Work crews focused on clean up between Arroyo Hondo and Isla Vista in Santa Barbara 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:
    - There are 03 assigned vessels conducting on water operations, and 5,000 ft of snare boom is deployed. No oily water mixture was collected, and the cumulative total remains 14,267 gallons.
    - 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. Sampling for finfish and shellfish impacts have begun, in order to determine timeframes for reopening the closed fishery.
    - A 1000 foot temporary flight restriction within a 5 mile radius of Refugio Beach is in effect through 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

Waste Management (as of 9 June 2015)		
Material	**Estimated Daily Total Removed (cubic yards)**	**Estimated Cumulative Total Removed (cubic yards)**
Oiled Sand	75	780*
Oiled Vegetation	0	615*
Oiled Debris/PPE	75	450*
Oiled Soil	0	3804*
Culvert Soil	0	110*
Absorbent	30	210*

*Note: Waste Management personnel found/corrected some errors. New totals represent best estimates.

	TOTAL Birds			**TOTAL Mammals**		
Date	Live	Dead	Date Totals	Live	Dead	Date Totals
9 Jun 2015	0	3	3	0	1	1
Cumulative Total	60	161	221	46	87	133

External Affairs

- Five one-on-one media briefings are scheduled for Refugio Beach on Wednesday, 10 June and one for Thursday, 11 June at the ICP. The Unified Command will be discussing current status of the response and anticipated next steps as we transition operations.

- The Santa Barbara Independent produced a story containing photos of the pipeline that had not been released by the Unified Command. The JIC is monitoring response to the story and have an approved talking point for calls that relate to the story. The Unified Command does not comment on an ongoing federal investigation regarding the cause of the spill, and is focused on responding to the release and ongoing cleanup operations.

Tribal and Elected Officials

- Chumash Tribal Members continue to provide cultural and archeological guidance and oversight as needed. 47 cultural monitors and 11 archeologists are supporting the response.

- The Coast Guard Governmental Affairs Officer provided comments to the Ventura County Board of Supervisors, and Goleta Mayor and City Council regarding response efforts.

Personnel Involved

- 1,081 (down from 1,154) workers are engaged in Field Operations.

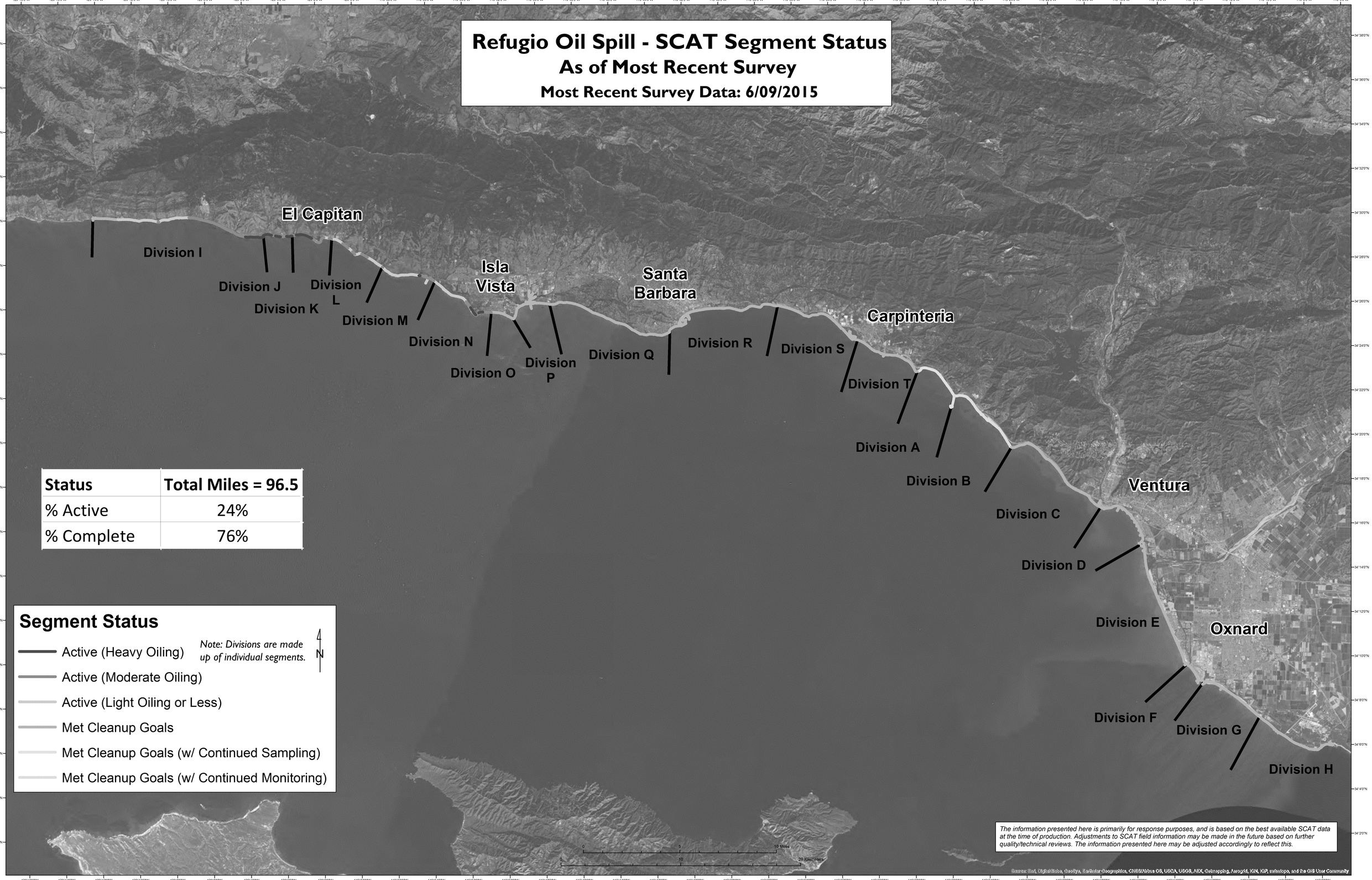
- 95 (down from 101) personnel are assigned to the ICP.

- 1,176 (down from 1,187) total personnel are assigned to the response.

Refugio Oil Spill - SCAT Segment Status

As of Most Recent Survey

Most Recent Survey Data: 6/09/2015



Status	Total Miles = 96.5
% Active	24%
% Complete	76%

Segment Status

- Active (Heavy Oiling)
- Active (Moderate Oiling)
- Active (Light Oiling or Less)
- Met Cleanup Goals
- Met Cleanup Goals (w/ Continued Sampling)
- Met Cleanup Goals (w/ Continued Monitoring)

Note: Divisions are made up of individual segments.

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

1. Incident Name	2. Operational Period (Date / Time)	INCIDENT STATUS SUMMARY ICS 209-CG
Refugio incident	From: To: Time of Report 9Jun15/0700 to 10Jun15/0659 09Jun/1800	

3. Type of Incident

☒	Oil Spill	☐	HAZMAT	☐	AMIO
☐	SAR/Major SART	☐	SI/Terrorism	☐	Natural Disaster
☐	Marine Disaster	☐	Civil Disturbance	☐	Military Outload
☐	Planned Event	☐	Maritime HLS/Prevention	☐	

4. Situation Summary as of Time of Report:

Response Day #21, IAP #15
SCAT Phase II end points have been achieved for 76% of the impacted shoreline.
There are 03 assigned vessels conducting on water operations, and 5,000 ft of snare boom is deployed. No oily water mixture was collected.
There are 1,081 personnel conducting field operations, and 95 personnel in the ICP.
The following cumulative totals have been reported removed by waste management; 780 cubic yards of oiled sand, 615 cubic yards of oiled vegetation, 450 cubic yards of oiled debris/ PPE, 3,804 cubic yards of oiled soil, 110 cubic yards of culvert soil, and 210 cubic yards of absorbent material. An estimated 600 bbls of product was pumped from the pipeline.
Boom is still deployed at 3 of the sensitive sites identified in the ACP. 540 ft of hard boom and 540 ft of sorbent boom; totaling 1,080 feet.
Total boom deployed is 6,080 ft. (including shoreline and on water operations)
Wildlife reports (to date) 60 fowl captured, 161 fowl dead, 46 mammals captured, and 87 mammals dead.

5. Future Outlook/Goals/Needs/Issues:

-Ensure the safety of response personnel and the public
-Continue excavation and disposal of contaminated soils
-Continue clean up in accordance with shoreline treatment recommendations to meet Phase II end points
-Identify and protect environmentally and culturally sensitive areas
-Keep public and stakeholders informed
-Minimize economic impacts
-Provide recovery and care of oiled wildlife
-Explain, with best available science and historical data, source transport and fate of release oil and naturally occurring seep oil throughout the area
-Implement decontamination and demobilization of response resources

6. Safety Status/Personnel Casualty Summary

*Total reflects OSHA Recordable standards IAW 29CFR1904 (beyond First Aid)	Since Last Report	Adjustments To Previous Op Period	Total
Responder Injury	1	0	2*
Responder Death	0	0	0
Public Missing (Active Search)	0	0	0
Public Missing (Presumed Lost)	0	0	0
Public Uninjured	0	0	0
Public Injured	0	0	0
Public Dead	0	0	0
Total Public Involved	0	0	0

7. Property Damage Summary

Vessel	$
Cargo	$
Facility	$
Other	$

8. Attachments with clarifying information

x	Oil/HAZMAT	☐	SAR/LE	☐	
☐		☐		☐	
☐	Marine Disaster	☐	Civil Disturbance	☐	Military Outload

9. Equipment Resources					
Kind	Notes	# Ordered	# Available	# Assigned	# Out of Service
Non-CG/Other Assets					
Aircraft – Helo				1	
Aircraft – Fixed Wing				0	
Vessels (VOSS/Skimming)				3	
Vehicles – Vac/Tank Truck				3	
Vehicles - Other				196	
Heavy Equipment				7	

10. Personnel Resources	
Agency	**Total # of People**
Personnel assigned to the ICP	95
Engaged in Field Operations	1,081
Total Personnel Resources Used From all Organizations:	1,176

11. HAZMAT/Oil Wildlife Impacts (Since Last Report)

	TOTAL Birds			TOTAL Mammals		
Date	Live	Dead	Date Totals	Live	Dead	Date Totals
9 Jun 2015	0	3	3	0	1	1
Cumulative Total	60	161	221	46	87	133

12. HAZMAT/Oil Spill Status (Estimated, in gallons)			
Common Name(s):			
UN Number:	☐ Secured	☐ Unsecured	
CAS Number:	Remaining Potential (bbl):		
	Rate of Spillage (bbl/hr):		
	Recovered	Previous	Total
Volume Spilled/Released			
Mass Balance - HAZMAT/Oil Budget			
Recovered Oily water mixture (Gal)	0	14,267	14,267
Evaporation/Airborne			
Natural Dispersion			
Chemical Dispersion			
Burned			
Floating, Contained			
Floating, Uncontained			
Onshore/pipeline (BBL)	0	600	
Total HAZMAT/Oil accounted for:	N/A	N/A	
Comments:			

13. Oil Waste Management (Estimated, Since Last Report)			
	Recovered	Previous	Total
Oiled Sand (cu yd)	75	660	780
Oiled vegetation (cu yd)	0	660	615
Oiled Debris/PPE (cu yd)	75	375	450
Oiled Soil (cu yd)	0	3,840	3,804
Culvert Soil	0	110	110
Absorbent (tons)	30	180	210
Comments: Waste Management personnel found/corrected several errors. New totals represent best estimates.			

14. Prepared by:	Date/Time Prepared:
Mr. Brian Cutts	09Jun2015 1800

Refugio Incident
Summary of CTEH® Environmental Sampling Efforts
June 9, 2015

As part of response efforts, CTEH® began collecting product and environmental samples, i.e., water and/or sediment, on May 20, 2015. This environmental sampling has been conducted under a Unified Command-approved sampling plan. This report contains environmental sampling efforts completed to date by CTEH® in support of Refugio Incident response efforts. **Table 1**, below, provides a sample count for each type of environmental media collected by CTEH®. **Table 2** provides a summary of TPH[1] data reported in water samples to date. Maps of environmental sampling locations are provided as attachments.

Table 1: Environmental Preliminary Sample Summary
05/20/2015– 06/08/2015

Media	Matrix	Sample Count
Water	Surface Water	161
	Water Column	54
	Culvert/Flush Water	2
Sediment	Beach Sediment[2]	18
	Ocean Sediment[3]	15
Soil	Backfill Soil	6
	Trench Excavation Soil	22
	Background Soil	20
Petroleum	Product/Tar Ball Sample	34
	Sheen/Seep	14

[2] Beach sediment samples are collected from both the intertidal zone and on dry sand above the intertidal zone.
[3] Ocean sediment samples were collected at the same location as the water column samples.

Table 2: TPH[1] Preliminary Data Summary[4]
05/20/2015– 06/08/2015

		Highest Detection		Most Recent TPH Result Received	
	Location	Date	TPH (mg/L)	Date	TPH (mg/L)
Water Column	D001-S	6/6/2015	0.228	6/6/2015	0.228
	D001-M	5/22/2015	0.1	6/6/2015	ND
	D001-D	5/28/2015	0.188	6/6/2015	ND
	D003-S	6/1/2015	0.049	6/1/2015	0.049
	D003-M	No detections		6/1/2015	No detections
	D003-D	No detections		6/1/2015	No detections
Surface Water	SW01	5/26/2015	11.9	6/6/2015	0.2
	SW02	5/21/2015	697.111	6/6/2015	11.2
	SW03	5/26/2015	4.9	6/6/2015	ND
	SW04	5/21/2015	5.5	6/6/2015	0.0896
	SW05	5/25/2015	21.9	6/6/2015	0.94

[1] For the purposes of this report, TPH represents a summation of TPH-Oil Range Organics (ORO), TPH-Diesel Range Organics (DRO), and TPH-Gasoline Range Oranics (GRO).

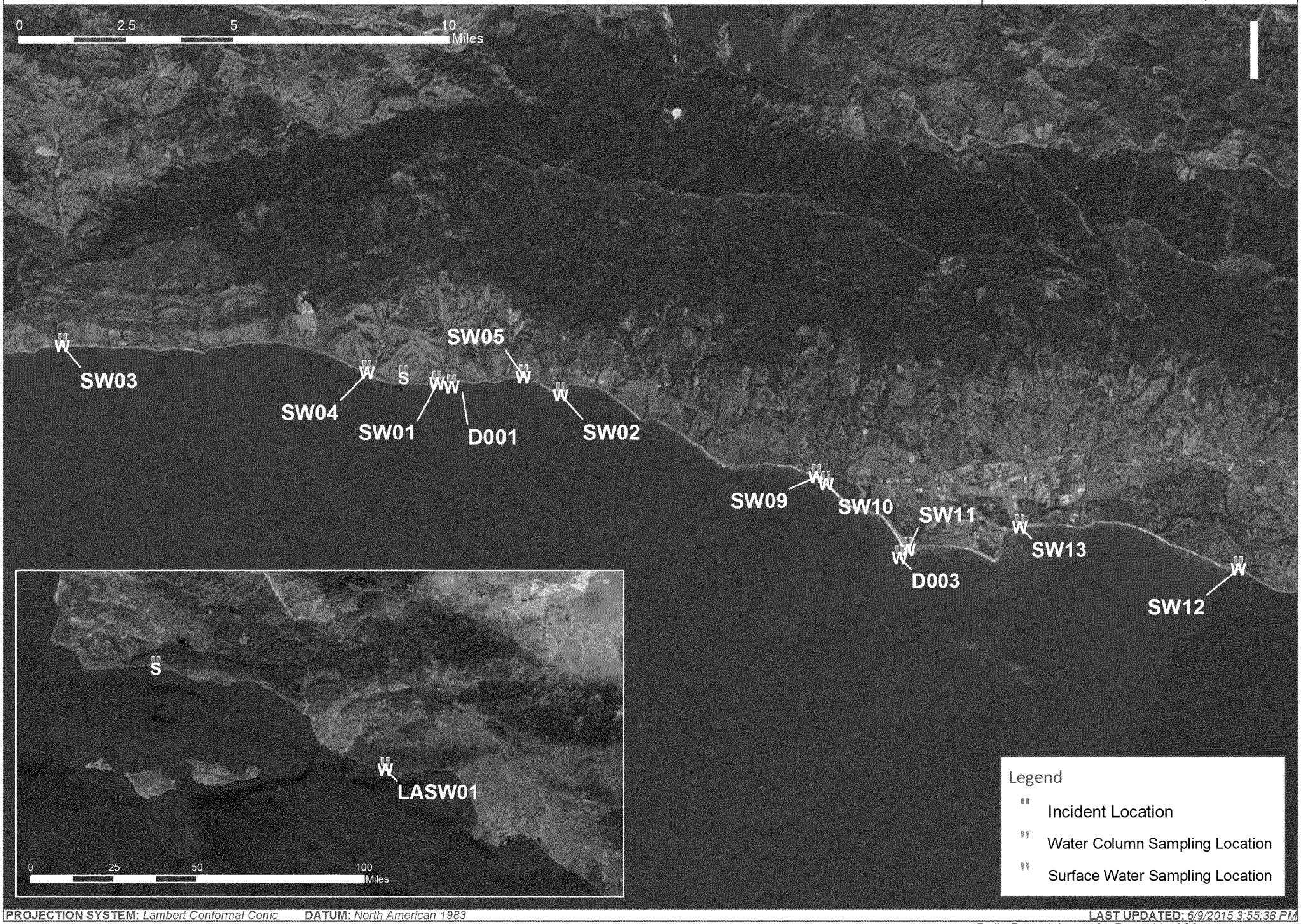
		Highest Detection		Most Recent TPH Result Received	
	Location	Date	TPH (mg/L)	Date	TPH (mg/L)
	SW09	5/25/2015	1.2	6/6/2015	0.24
	SW10	5/21/2015	1.89	5/21/2015	1.89
	SW11	6/6/2015	2.34	6/6/2015	2.34
	SW12	6/6/2015	0.83	6/6/2015	0.83
	SW13	6/6/2015	1.9	6/6/2015	1.9

[4] The data presented within the table is considered preliminary and has not completed the complete QA/QC process.

Water Sampling Locations

Refugio Incident | May 20, 2015 to June 8, 2015

Project: 107292
Client: Plains All American Pipeline
City: Gaviota, CA
County: Santa Barbara

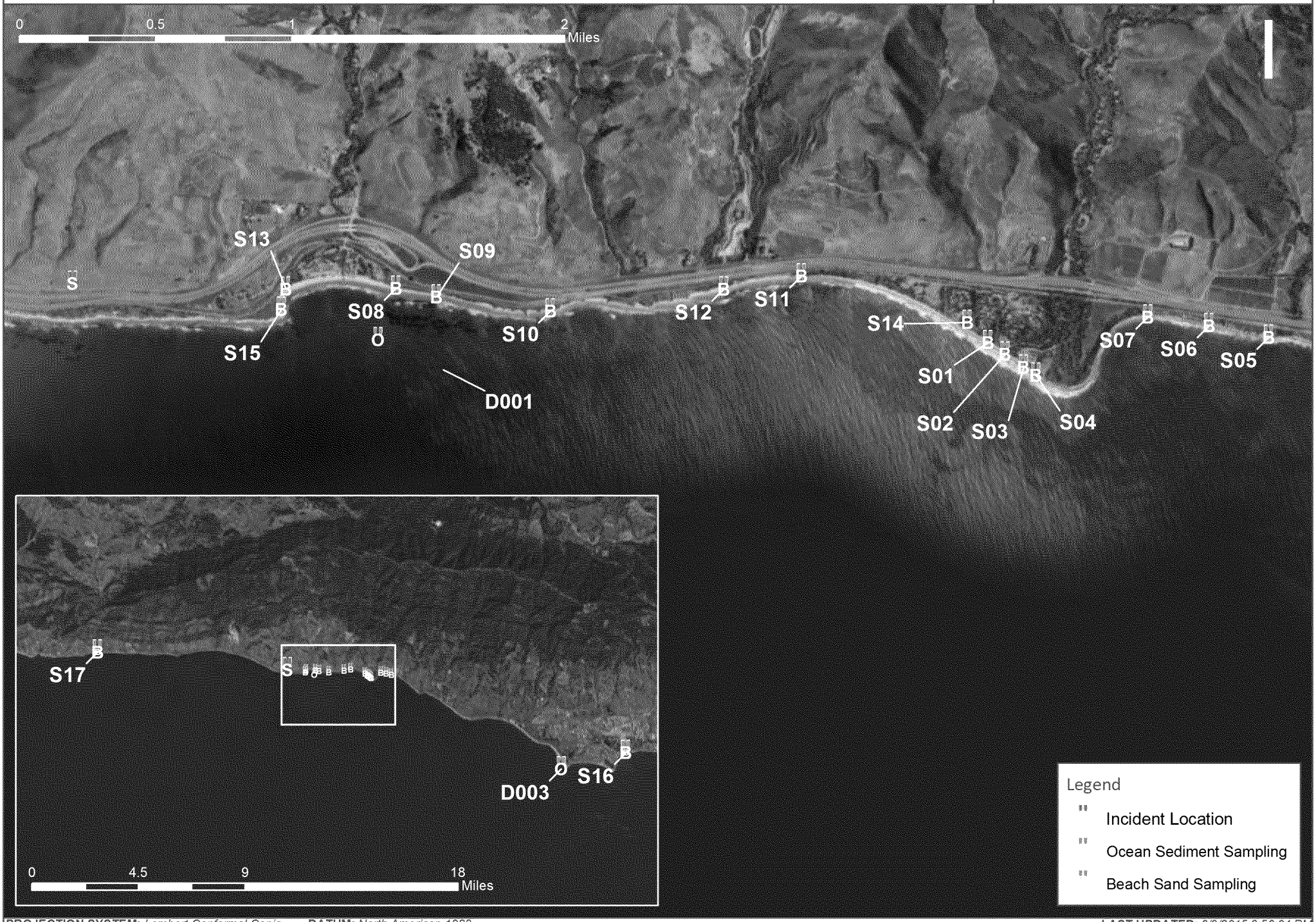


PROJECTION SYSTEM: *Lambert Conformal Conic* **DATUM:** *North American 1983* **LAST UPDATED:** *6/9/2015 3:55:38 PM*

Sediment/Sand Sampling Locations

Refugio Incident | May 23, 2015 to June 8, 2015

Project: 107292
Client: Plains All American Pipeline
City: Gaviota, CA
County: Santa Barbara



PROJECTION SYSTEM: *Lambert Conformal Conic* **DATUM:** *North American 1983*

LAST UPDATED: *6/9/2015 3:56:04 PM*

1. Incident Name	2. Operational Period to be covered by IAP (Date/Time)	Operational Period	CG IAP
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**COVER SHEET**

3. Approved by

ORG	Name
USCG	Captain J. Williams
U.S. EPA	T. Dunkelman
CAL DFW	Captain M. Crossland
Plains	P. Hodgins
SBCOEM	D. Patterson

INCIDENT ACTION PLAN

The items checked below are included in this Incident Action Plan:

- ☒ ICS 202-OS (Response Objectives)
- ☒ ICS 203-OS (Organization List) - or - ICS 207-OS (Organization Chart)
- ☒ ICS 204-CGs (Assignment Lists) One Copy each of any ICS 204-CG attachments
- ☒ ICS 205-CG (Communications Plan)
- ☒ ICS 206-CG (Medical Plan)
- ☐ ICS 208-CG (Site Safety Plan) or Note SSP Location Located at CP and Staging Areas
- ☐ Map/Chart
- ☒ Weather forecast/Tides/Currents

Other Attachments

- ☒ Safety Messages
- ☒ Personnel Guidelines for Media and VIP Visits

Incident Picture

4. Prepared by	Date / Time
Aaron Holton	06/08/2015 07:20

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	INCIDENT BRIEFING
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	ICS 202-CG

3. Objective(s)

Ensure the safety of response personnel and the public.

During the next operational period, continue on-water recovery operations.

During the next operational period be 75% complete in excavation of visually contaminated soils in Section 4.

Safely implement new procedures to streamline the removal of contaminated soils from Section 4.

During the next operational period, confirm the cleanup of contaminated soils in Sections 1, 2, and 3 in accordance with the "Removal Confirmation Sampling Plan" (pending plan approval for sections 2 and 3).

During the next operational period, complete clean up of Divisions L, M, and N in accordance with the Shoreline Treatment Recommendations to meet Phase II endpoints.

Continue to protect environmentally and culturally sensitive areas within the open Divisions.

Minimize environmentally sensitive and socioeconomic impacts.

Keep public and stakeholders informed of positive progress and all response activites.

Recover and rehabilitate injured and oiled wildlife and return to the wild.

Develop products to effectively communicate, with best available science and historical data, source transport and fate of released oil and naturally occurring seep oil throughout the area.

Provide endpoint progress data daily.

Effectively implement demobilization plan.

4. Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions)

Clean the Divisions to end points.

Communicate positive message regarding cleanup progress.

Explain source fate and transport.

Implement Decon and Demob.

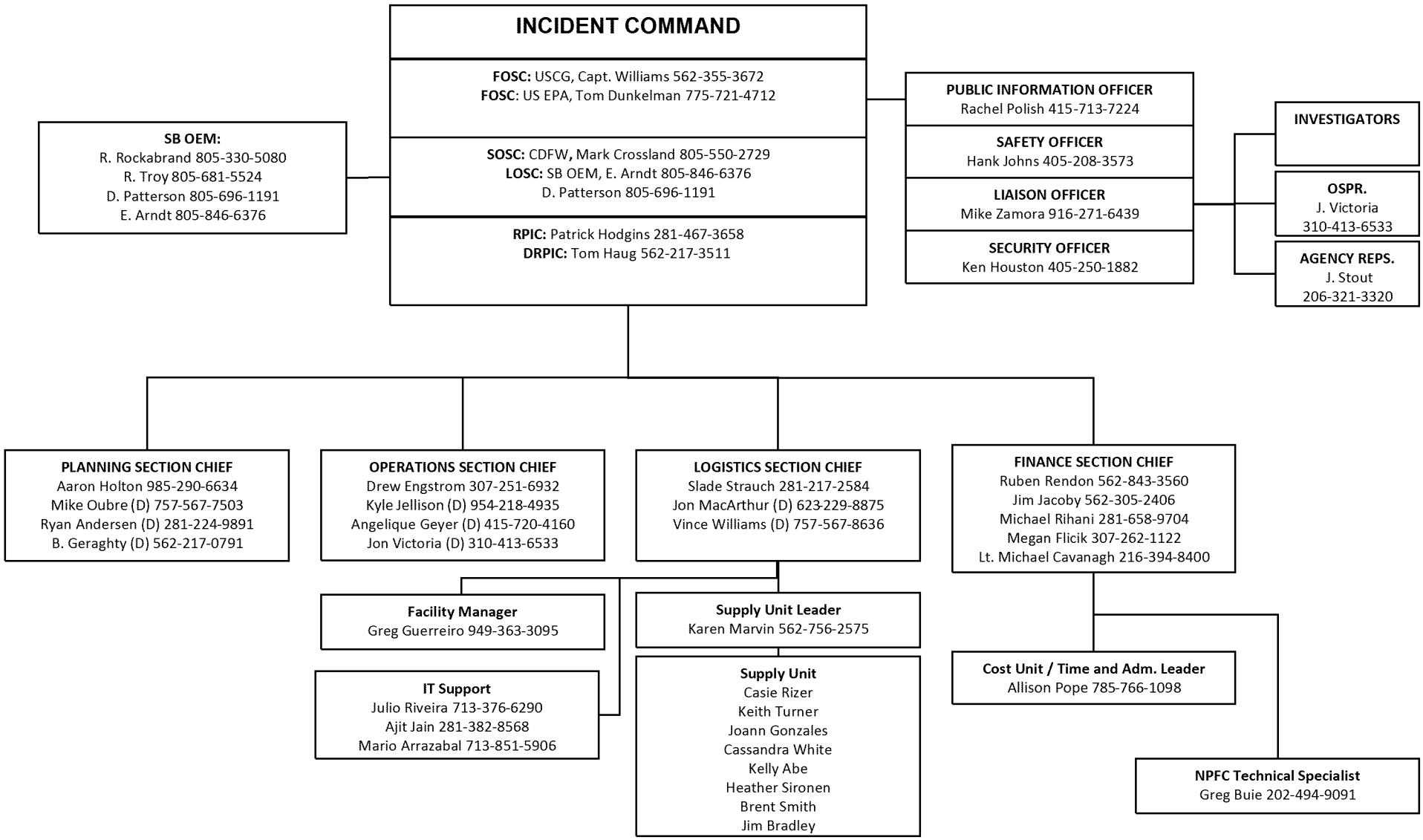
Finalize the decision for the treatment of the oiled cobble from the **day use beach** at Refugio State Park.

Send local representation with SCAT to **assist with oversight** to concur with assessments. Local reps include County of Santa Barbara, UCSB, City of Goleta, City of Santa Barbara, City of Carpinteria.

Approved Site Safety Plan Located at the SBCOEM with the Safety Officer

Prepared by (Operations Section Chief)	Date/Time
ajholton	06/08/2015 08:32

1. Incident Name	2. Operational Period (Date/Time)	INCIDENT ORGANIZATION CHART
Refugio	From: 6/9/2015 06:00 To : 6/11/2015 06:00	ICS-207-CG



1. Incident Name	2. Operational Period (Date/Time)	INCIDENT ORGANIZATION CHART
Refugio	From: 6/9/2015 06:00 To: 6/11/2015 06:00	ICS-207-CG

OPERATIONS SECTION
Chief: Drew Engstrom 307-251-6932
Deputy: Kyle Jellison 954-218-4935
Deputy: Shawn Ross 415-720-466
Deputy: Brownie Kuk 310-935-8606

Staging Area Refugio Beach Manager
M. Rudley
562-244-2270

Staging Area 5th Mandalay Manager
D. Ramos
805-755-3300

Wildlife Branch
Holly Gellerman
916-747-0611
Mike Ziccardi
530-979-7561

Recovery
Birds - K. Parker
530-979-7690
Mammals - M. Harris
831-212-7665

Field Stabilization
N. Anderson
530-771-7028

Care & Processing
C. Florello
530-979-6099
Eric Otjen
619-954-8185

Reconnaissance
Holly Gellerman
916-747-0611

DECON Group
E. Boyes
562-760-6940

Port Hueneme
Walt Dorn
562-244-2205

Ventura
Alex Lopez
562-244-2248

T&T Yard
Charlie Roth
562-244-4165

Waste Tracking
Will Canto
562-244-5108

On-Water Group
Lanny Kippes
562-221-4510
Kyle Hanson
805-455-5502

Strike Team #2
Lanny Kippes
562-221-4510

Strike Team #3
Larry Smith
805-233-0875

Santa Barbara Recovery Branch
Jerry Mackay
918-285-0416
Jason Bergeron
281-414-7742

Protection Group
Jerry Mackey
918-285-0416
Jason Bergeron
281-414-7742

Division I/J
Paul Ailey
405-388-2570
Curt Johnson
774-238-2660

Division K/L
Scot Hollabaugh
918-285-1241
Steve Cadenhead
850-605-6046

Division M/N
Kenny Johnson
918-285-6236
Josh Vetters
979-665-6355

Division Q
Josh Vetters
979-665-6355
Levi Paulson
701-449-6956

Ventura Recovery Branch
Eric Heap
307-799-8258
Don Murphy
516-996-7348

Division E/H
Scott Grotness
Peter Gardner
206-914-5131
Edward Shypkoski
701-575-2301
701-590-1254
701-483-4732

Pipeline Group
Jerry Mackay
918-285-0416
Donn Zuroski
415-971-6829
Jason Musante
213-479-2120

Section 4 TF
Mike Guidry
337-526-8539
Jason Musante
213-479-2120
Pedro Cruz
925-698-7815

Air Operations Branch
Kyle Jellison
954-218-4935
John Bellfield
805-452-7619

Law/Security Group
R. Plastino
805-268-4035

1. Incident Name	2. Operational Period (Date/Time)	INCIDENT ORGANIZATION CHART
Refugio	From: 6/9/2015 06:00 To : 6/11/2015 06:00	ICS-207-CG

PLANNING SECTION

Planning Section Chief – Aaron Holton 985-290-6634
Deputy – Mike Oubre 757-567-7503
Deputy – Ryan Andersen 281-224-9891
Deputy – B. Geraghty 562-217-0791

Field Observers
Jim Smith 251-644-1785
John Bafia (202) 725-6364

Situation Unit
Trevor Moser 808-640-1844
Brian Cutts 757-567-8382

Display Processors
Ana Paula Lyra
55-21-96969-3338

Resource Unit
Mike Nosbaum 707-601-6892
Josh Caillouet 985-637-1220

Documentation Unit
G. Amon 262-995-8188
Juan Patino 251-751-9820

Environmental Unit
Mike Connell 805-331-1867
W. Bryant 404-630-2123
Craig Haffner 707-718-6948

Demobilization Unit
Ben Lyons
508-272-7788

Scientific Support
Jordan Stout 206-321-3320
Rachel Pryor 206-379-2454

Permits Sec. 7 REPS
Jeff Phillips
415-652-6502

NRDA Liaision
Jeff Phillips
415-652-6502

Sampling Coord.
Rom Mathews 310-560-3819
Shane Stahl 916-340-4123

Fishery Closure Tech.
Lori Chumney
916-529-7900

Historical/Cultural Tech.
Michael Horn
760-964-2312

Resources at Risk Specialist
Craig Haffner
707-718-6948

Waste Coordinator
Bill Senner 562-221-8211
Jeff Johnsen 650-991-0211

Waste Disposal Coord.
Tom Gibbons
Steve Osterlund
Randy Coutour
Andy Modugno
Damon Minarich
Matt Graves
George Thomas
Miguel Cisneros

SCAT Coord.
Corey Kong
562-477-7081

SCAT Tech. Advisor
Carl Childs
206-856-8815

SCAT Data Manager
Bryan Thom
410-937-7403

Team Leader 1

Team Leader 2

Team Leader 3

Team Leader 4

Technical Specialists GIS
Judd Muskat
916-216-1301

Public Health Group
Christopher Kuhlman
501-247-3871

Historic Preservation Specialist
Clay Lebow
805-895-8387
Jay Lloyd
559-287-2137

Historic Preservation Assistant
Michelle Newcomb
805-757-8820
Brooke Crumpton
831-535-2572

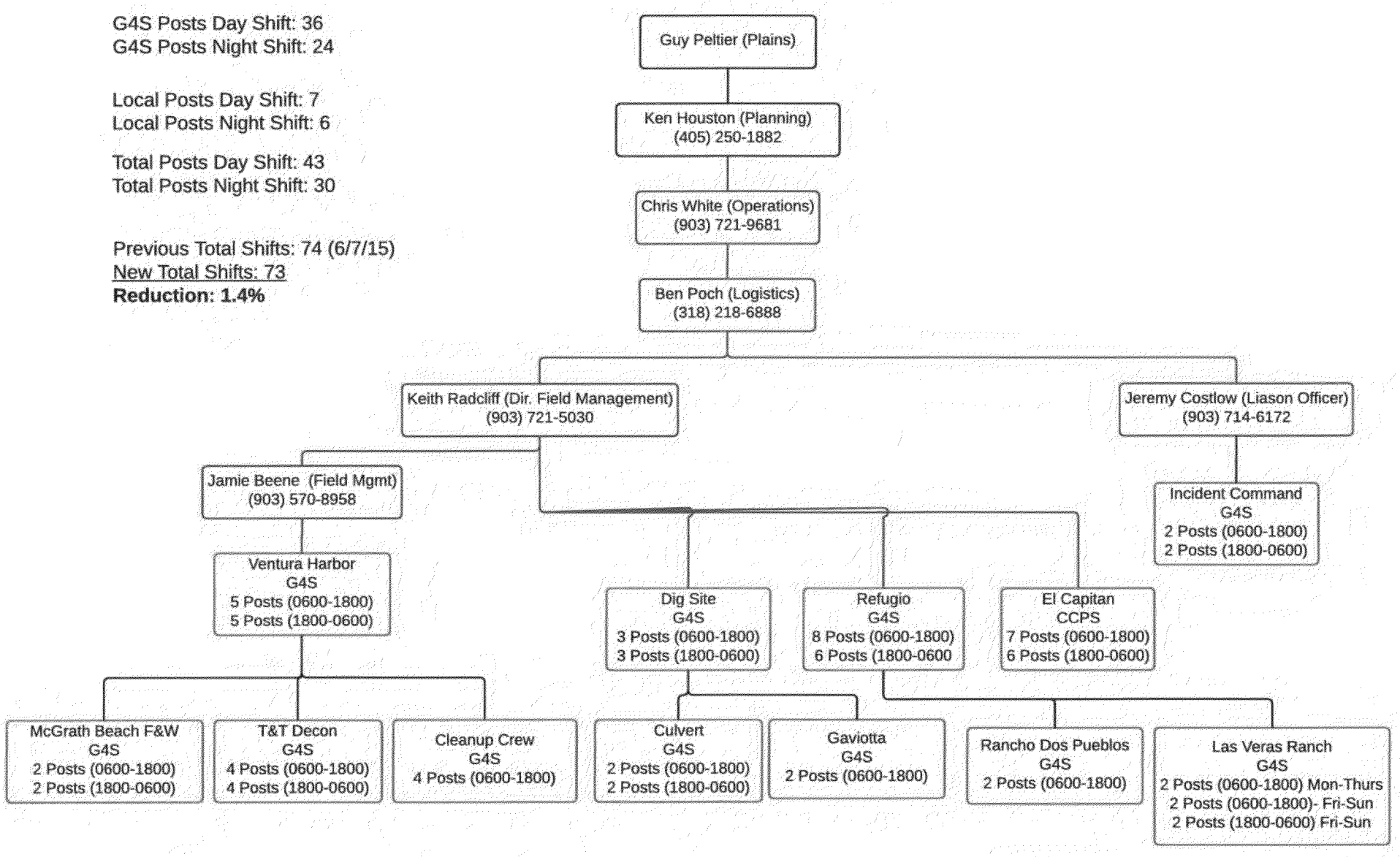
Security Org Chart - Refugio Incident (6/8/15)

G4S Posts Day Shift: 36
G4S Posts Night Shift: 24

Local Posts Day Shift: 7
Local Posts Night Shift: 6

Total Posts Day Shift: 43
Total Posts Night Shift: 30

Previous Total Shifts: 74 (6/7/15)
New Total Shifts: 73
Reduction: 1.4%



1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ICS 204-CG**

3. Branch	4. Division/Group/Staging
WIldlife Branch	Wildlife Recovery Group
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Drew Engstrom	Plains All American Pipeline	307-251-6932
Branch Director	Holly Gellerman	CA DFW OSPR	916-747-0611
Division/Group Supervisor/STAM	Mike Ziccardi	OWCN	530-979-7561

6. Resources Assigned 'X' indicates 204a attachment with additional instructions

Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes	
1 (each)	Wildlife Recon Team	N. Gellerman	916-747-0611	1	See work assignment and special instructions	X
1 (each)	Field Stabilization Team	N.Anderson	530-771-7028	2	See work assignment and special instructions	
1 (each)	Transport Team	M. Travers	510-912-5470	3	See work assignment and special instructions	
1 (each)	Care/Processing Team - Birds	C. Fiorello	530-979-0380	10	See work assignment and special instructions	
1 (each)	Care/Processing Team - Mammals	E. Otjen	619-954-8185	16	See work assignment and special instructions	
1 (each)	Stabilization Facilities/Trailers			1		
1 (each)	Care Facility			2		
1 (each)	Wildlife Recovery Birds	K. Mills-Parker	530-979-7690	6	See work assignment and special instructions	
1 (each)	Wildlife Recovery Mammals	M. Harris	831-212-7090	8	See work assignment and special instructions	

7. Work Assignments

Wildlife Recon. Team - Collect real time data on animals at risk and staff the Wildlife Hotline.
Wildlife Recovery Teams - Coordinate and supervise recovery of live and dead oiled wildlife in assigned divisions and in response to reports.
Group Supervisors separate for Birds and Mammals, but field staff are shared between Bird and Mammal Strike Teams.
Transport - Coordinate and supervise transport of collected animals between Recovery, Field Stabilization and Care.
Field Stabilazation - Provide first aid to live captured animals prior to transport to primary care centers.
Care/Processing - Document oiling status , conduct intake examinations , necropsy dead animals, provide pre-wash care , clean oil from affected animals, return animals to normal function, and release in clean environment.

Should two consecutive days of no collected live oiled animals occur, a phased reduction in recovery and field stabilization operations, per approved plan, will occur.

8. Special Instructions

Attend morning safety and planning briefing. Immediately report any injury to supervisor and complete an injury report form. *Personnel must have completed 24-hour HAZWOPER training and OWCN Wildlife Recovery Levels 1 and 2, at minimum.

Instructions for Dead Wildlife and Natural Resource Protection.

Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.

Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.

For all other DEAD oiled wildlife (marine organisms) discontinue segregating these - they will not be picked up. Dispose with the rest of the oiled material being removed.

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.

SAFETY MESSAGE
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

HISTORICAL/CULTURAL GUIDELINES

- **Leave cultural materials in place at the site of discovery, and mark its location.**
- **Stop clean-up work in the vicinity surronding the site, within a 6ft radius.**
- **Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.**

Report All Injuries require a immediate notification to Direct Supervisor.

Animal carcasses that have orange flagging indicates that no further action is needed. These flagged animals hae already been assessed and reported

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager

Emergency Communications

Medical:	Evacuation:	Other:

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ATTACHMENT ICS 204a**

3. Branch	4. Division/Group/Staging
WIldlife Branch	Wildlife Recovery Group

5. Strike Team/Task Force/Resource(Identifier)	6. Leader	7.Assignment Location

Team	Team Leader

8. Work Assignment Special Instructions,Special Equipment/Supplies Needed for Assignment

WILDLIFE RECOVERY GROUP MINIMIZATION MEASURES

Habitat-specific Measures
These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.

Marine
• Avoid entering kelp beds as much as possible.
• Avoid boat traffic traveling near or through flocks of seabirds resting in the water.
• Have a wildlife monitor present on all boats.
• No spill response activities should take place within 1,000 feet of nesting seabirds.
• If a sea otter is observed, keep all response activities as far away from the animal(s) as possible until an expert can be consulted.
Riparian
• Avoid entering wetted areas as much as possible.
• Avoid disturbing vegetation as much as possible.
• The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission.
• During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible.
• Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place.
• Response activities should avoid or minimize changes in channel morphology
• No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval.
• Any listed plant species should be flagged and avoided.
• For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures.

Sandy Beach/Dune
• Avoid entering vegetated dune habitat as much as possible.
• If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack.
• Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour).
• Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location.
• Manual oil removal techniques should be used as much as possible.
• All trash or anything that would attract wildlife to the work area should be removed on a daily basis.
• Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species.
• For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures.
Estuarine
• Avoid entering wetted habitat as much as possible.
• Avoid disturbing vegetation as much as possible.
• Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location.
• A biologist should be present throughout the duration of the cleanup activities.
• Any listed plant species should be flagged and avoided.
• A biologist should look for nests and establish suitable buffer areas to prevent impacts
• For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures.
Coastal Bluff
• Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location.
• Previously-disturbed areas should be used for equipment staging and vehicle parking to the maximum extent practical.
• Any listed plant species should be flagged and avoided.

Species-specific Measures
These measures are specifically targeted to minimize impacts to listed species during initial response, USFWS should be contacted immediately to provide incident-specific measures to best protect these species.

Tidewater goby
• Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs.
• If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies.

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

• Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed on the first day of work and monitored thereafter for the duration of the work.
• Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site.
• If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days.
• Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening.
• Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about the tidewater goby avoidance/ minimization measures to be implemented during the response.

Least Bell's vireos and/or southwestern willow flycatchers
• Disturbance of riparian vegetation should be avoided as much as possible.
• A qualified biologist should conduct surveys within suitable habitat for least Bell's vireos and southwestern willow flycatchers during the nesting season (March 1 – September 15) prior to disturbance of riparian vegetation to identify and establish exclusion buffers around any nests (generally at least 500 feet).
• Manual equipment should be used in occupied habitat as much as possible to minimize disturbance from noise.
• If vegetation removal is required, roots should be left in place as much as possible.
• A qualified biologist should be present as much as possible during activities that impact suitable habitat.
California least tern and/or Western snowy plover
• All responders should be informed of the potential for western snowy plovers and/or California least terns to be impacted and of the avoidance/minimization measures being implemented.
• A qualified biologist should identify areas that may contain nests or chicks, and any entry into these areas should be avoided.
• Any work required within nesting areas should be accompanied by a qualified biologist.
• A qualified biologist should identify and demarcate access and egress routes.
• The number of vehicles and number of vehicle trips should be reduced to the minimum needed to achieve the mission.
• All activities near nests or chicks should occur on the lower beach (wet sand), if possible.
• Watch for and avoid western snowy plovers sheltering in tire tracks and sandy depressions.
• If vehicles are used, speed should be kept to less than 10 mph, and vehicles should remain on the lower beach (wet sand), if possible. If it is not possible to remain on the lower beach (e.g., it is high tide), responders should stop every 100 m and scan ahead with binoculars to look for western snowy plovers and California least terns on the beach.
• The amount of wrack, shells, and natural debris removed from the beach should be minimized. If shoreline pre-cleaning is necessary, debris should be stockpiled in an appropriate location (avoiding nesting locations) and returned to the beach after the threat of oil is gone, to the extent practical.

California red-legged frog
• A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
• All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
• Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
• Open excavations and trenches should be covered each night to prevent entrapment of frogs.
• If vegetation removal is necessary, roots should remain in place as much as possible.

9. Communications (radio and/or phone contact numbers needed for this assignment)

☐ **Map/ Chart**	☐ **Weather Forecast/Tides/Currents**	☐
☐	☐	☐

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ICS 204-CG**

3. Branch	4. Division/Group/Staging
	Decon Group
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Drew Engstrom	Plains All American Pipeline	307-251-6932
Branch Director	Jerry Mackey	Plains All American Pipeline	918-285-0416
Division/Group Supervisor/STAM	Eric Heap/Walt Dorn	Patriot	562-244-2205

6. Resources Assigned 'X' indicates 204a attachment with additional instructions

Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
40	Decon Personnel	Alex Lopez	562-244-2248	0	Ventura Harbor - Redeployed due to Tuna Festival
45 (each)	Decon Personnel	Charlie Roth	562-244-4165	0	T & T Yard Ventura
2 (each)	Portable Generators - 85kw generators - T&T Yard			0	
1 (each)	Office Trailer - 12' x 38' mobil office trailer - T&T Yard			0	
1 (each)	Decon Pool			0	
2 (each)	Vac Truck			0	
1 (each)	Roll Off Truck			0	
6	Gear Trucks			0	
6	Pick-up Trucks			0	
1 (each)	Wench Truck			0	
5 (each)	Vans			0	Includes box vans
1	Water Truck			0	
2 (each)	Response Personnel - Staff members to support decon @ Ventura & T&T			0	
6 (each)	Frac Tanks			0	
1 (each)	Equipment Trailer - 53' Box Van Trailer - T&T Yard			0	
20 (each)	Decon Personnel	Walt Dorn	562-244-2205	0	Port Hueneme
1 (each)	Hot Oil Truck			1	T&T Yard

7. Work Assignments

Port Hueneme - Gross decon of Primary Vessel, Remove Equipment

Ventura Harbor - Haul out and final decon of vessels.(24hr operation)

T & T Yard Ventura- Final cleaning of gear and ancillary equipment. (24 hr operation)
Provided necessary personnel equipment and materials to complete decon in accordance with the decon plan approved by the Unified Command.

8. Special Instructions

Volunteers:1-800-228-4544
Claims: 866-753-3619
Public Affairs/JIC: 805-696-1188
State Park Law Enforcement: 951-443-2969
Sherriff's Dispatch: 805-692-5743

Instructions for Dead Wildlife and Natural Resource Protection.

Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

Wildlife Hotline at 877-823-6926.

Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.

For all other DEAD oiled wildlife (marine organisms) discontinue segregating these - they will not be picked up. Dispose with the rest of the oiled material being removed.

Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.

On Water: Avoid entering kelp beds as much as possible. Avoid boat traffic traveling near or through flocks of seabirds resting on water, stay 1000 ft away from nesting seabirds. If sea otter is observed keep clear and call Mike Harris immediately. 831-212-7090

SAFETY MESSAGE
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

All PPE shall be worn in accordance with the Site Specific JHA and Site Safety Plan.

HISTORICAL/CULTURAL GUIDELINES

Leave cultural materials in place at the site of discovery, and mark its location.

- Stop clean-up work in the vicinity surronding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

HAZARD MITIGATION
All personnel operating in a restricted area shall wear appropriate PPE (Minimum of Tychem,face shield, neoprene gloves and rubber boots are required for workers performing pressure wash ops).
Respiratory protection may be required to be used by all personnel base on continous air montoring readings
All personnel are reminded to stay hydrated and to take breaks as needed.
Notify Assistant Safety Officer if safety issues arise.
Workers should be cautious of slick surfaces and presurized lines that may be present during decon ops.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
Alex Lopez - Ventura Harbor		562-244-2248	
Walt Dorne - Port Hueneme		562-244-2205	
Charlie Roth - T&T Yard Ventura		562-244-4165	

Emergency Communications

Medical:	Evacuation:	Other:

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ICS 204-CG**

3. Branch	4. Division/Group/Staging
	On-Water Group
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Drew Engstrom	Plains All American Pipeline	307-251-6932
Branch Director			
Division/Group Supervisor/STAM	K. Hanson	Clean Seas	805-455-5502

6. Resources Assigned 'X' indicates 204a attachment with additional instructions

Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes	
1 (each)	Strike Team #3 Snares (LCM)	Larry Smith	805-233-0875	0	FV MAKO, FV SCULPIN Patrolling and towing inline absorbent boom between DIV I and L	X
1 (each)	LCM CHRISTOPHER G			0	On standby to remove previously deployed snare.	

7. Work Assignments

Strike Team #3
-Contain and recover free floating seep oil.
-Task Force will maximize oil recovery utilizing sorbent boom tow vessels. All boom boats secured at 2000 to Ventura.
-Vessel will recover available free floating oil.

-LCM CHRISTOPHER G
-Remain on standby to remove currently deployed snare between DIV I and L

8. Special Instructions

SAFETY MESSAGE
All personnel operating on the beach and vessels shall wear appropriate PFD.
PPE: Tyvek, Hard hats, Nitrile gloves, Booties, Safety glasses.
All personnel are reminded to stay hydrated and take breaks as necessary.

-Response Team Members Report any distressed Wildlife to On-Water Group Leader Kyle Hanson @ 805-455-5502.
-Direct all media inquiries to the PIO.
-Use of unauthorized Social Media is strictly prohibited.
-During this operational period the Operational Section Chief may direct certain Vessels be removed from deployment for the pupose of decontamination and eventual demob.

Instructions for Dead Wildlife and Natural Resource Protection.

Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hot Line at 877-823-6726

Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.

For all other DEAD oiled wildlife (marine organisms) discontinue segregating these - they will not be picked up. Dispose with the rest of the oiled material being removed.

Unknown source oil impacts should be reported to Lourdes Mahoney at 813-391-4657 (lmahony@cteh.com)

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.

On Water: Avoid entering kelp beds as much as possible. Avoid boat traffic traveling near or through flocks of seabirds resting on water, stay 1000 ft away from nesting seabirds. If sea otter is observed keep clear and call Mike Harris immediatly. 831-212-7090

Leave cultural materials in place at the site of discovery, and mark its location.

- Stop clean-up work in the vicinity surronding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
All TFs	Marine VHF Channel 10 and 16		

Emergency Communications

Medical:	Evacuation:	Other:

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ATTACHMENT ICS 204a**

3. Branch	4. Division/Group/Staging	
	On-Water Group	
5. Strike Team/Task Force/Resource(Identifier)	**6. Leader**	**7.Assignment Location**
Team	**Team Leader**	

8. Work Assignment Special Instructions,Special Equipment/Supplies Needed for Assignment

ON-WATER GROUP MINIMIZATION MEASURES

Habitat-specific Measures
These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.

Marine
• Avoid entering kelp beds as much as possible.
• Avoid boat traffic traveling near or through flocks of seabirds resting in the water.
• Have a wildlife monitor present on all boats.
• No spill response activities should take place within 1,000 feet of nesting seabirds.
• If a sea otter is observed, keep all response activities as far away from the animal(s) as possible until an expert can be consulted.

9. Communications (radio and/or phone contact numbers needed for this assignment)

☐ **Map/ Chart**	☐ **Weather Forecast/Tides/Currents**	☐
☐	☐	☐

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Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ICS 204-CG**

3. Branch	4. Division/Group/Staging
Santa Barbara Recovery Branch	Protection Group
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Drew Engstrom	Plains All American Pipeline	307-251-6932
Branch Director	Lanny Kippes/Jason Bergeron	Plains All American Pipeline	(562) 221-4510
Division/Group Supervisor/STAM	R. Delgado	Patriot	362-244-4408

6. Resources Assigned 'X' indicates 204a attachment with additional instructions

Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
1 (each)	Task Force 1	Ruben D	CH 10	4	Report to Staging at 0600

7. Work Assignments

As directed,deploy and maintain strategies per the Area Contingency Plan.

8. Special Instructions

Follow site strategies as per ACP, deploying boom, sorbents and fence stakes.
PPE: Tyvek suits, gloves, safety glasses, neoprene boots. PFDs are required within 10' of water or presents a risk of drownig.
Offshore work on vessels are required a PFD

Instructions for Dead Wildlife and Natural Resource Protection.

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Unknown source oil impacts should be reported to Lourdes Mahoney at 813-391-4657 (lmahony@cteh.com)

SAFETY MESSAGE
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surronding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

In the event a scheduled meal is not made available to your crew, report this immediately to your Branch Director and Logistics Chief Brian Shive 832-341-4719

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
Marine VHF	CH 10	562-244-4408	

Emergency Communications

Medical: 911 **Evacuation:** 911 **Other:** 911

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ATTACHMENT ICS 204a**

3. Branch	4. Division/Group/Staging	
Santa Barbara Recovery Branch	Protection Group	
5. Strike Team/Task Force/Resource(Identifier)	**6. Leader**	**7.Assignment Location**
Team	**Team Leader**	

8. Work Assignment Special Instructions,Special Equipment/Supplies Needed for Assignment

PROTECTION GROUP MINIMIZATION MEASURES

Habitat-specific Measures
These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.

Marine
• Avoid entering kelp beds as much as possible.
• Avoid boat traffic traveling near or through flocks of seabirds resting in the water.
• Have a wildlife monitor present on all boats.
• No spill response activities should take place within 1,000 feet of nesting seabirds.
• If a sea otter is observed, keep all response activities as far away from the animal(s) as possible until an expert can be consulted.
Riparian
• Avoid entering wetted areas as much as possible.
• Avoid disturbing vegetation as much as possible.
• The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission.
• During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible.
• Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place.
• Response activities should avoid or minimize changes in channel morphology
• No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval.
• Any listed plant species should be flagged and avoided.
• For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures.

Sandy Beach/Dune
• Avoid entering vegetated dune habitat as much as possible.
• If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack.
• Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour).
• Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location.
• Manual oil removal techniques should be used as much as possible.
• All trash or anything that would attract wildlife to the work area should be removed on a daily basis.
• Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species.
• For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures.
Estuarine
• Avoid entering wetted habitat as much as possible.
• Avoid disturbing vegetation as much as possible.
• Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location.
• A biologist should be present throughout the duration of the cleanup activities.
• Any listed plant species should be flagged and avoided.
• A biologist should look for nests and establish suitable buffer areas to prevent impacts
• For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures.
Coastal Bluff
• Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location.
• Previously-disturbed areas should be used for equipment staging and vehicle parking to the maximum extent practical.
• Any listed plant species should be flagged and avoided.

Species-specific Measures
These measures are specifically targeted to minimize impacts to listed species during initial response, USFWS should be contacted immediately to provide incident-specific measures to best protect these species.

Tidewater goby
• Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs.
• If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies.

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

• Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed on the first day of work and monitored thereafter for the duration of the work.
• Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site.
• If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days.
• Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening.
• Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about the tidewater goby avoidance/ minimization measures to be implemented during the response.

Least Bell's vireos and/or southwestern willow flycatchers
• Disturbance of riparian vegetation should be avoided as much as possible.
• A qualified biologist should conduct surveys within suitable habitat for least Bell's vireos and southwestern willow flycatchers during the nesting season (March 1 – September 15) prior to disturbance of riparian vegetation to identify and establish exclusion buffers around any nests (generally at least 500 feet).
• Manual equipment should be used in occupied habitat as much as possible to minimize disturbance from noise.
• If vegetation removal is required, roots should be left in place as much as possible.
• A qualified biologist should be present as much as possible during activities that impact suitable habitat.
California least tern and/or Western snowy plover
• All responders should be informed of the potential for western snowy plovers and/or California least terns to be impacted and of the avoidance/minimization measures being implemented.
• A qualified biologist should identify areas that may contain nests or chicks, and any entry into these areas should be avoided.
• Any work required within nesting areas should be accompanied by a qualified biologist.
• A qualified biologist should identify and demarcate access and egress routes.
• The number of vehicles and number of vehicle trips should be reduced to the minimum needed to achieve the mission.
• All activities near nests or chicks should occur on the lower beach (wet sand), if possible.
• Watch for and avoid western snowy plovers sheltering in tire tracks and sandy depressions.
• If vehicles are used, speed should be kept to less than 10 mph, and vehicles should remain on the lower beach (wet sand), if possible. If it is not possible to remain on the lower beach (e.g., it is high tide), responders should stop every 100 m and scan ahead with binoculars to look for western snowy plovers and California least terns on the beach.
• The amount of wrack, shells, and natural debris removed from the beach should be minimized. If shoreline pre-cleaning is necessary, debris should be stockpiled in an appropriate location (avoiding nesting locations) and returned to the beach after the threat of oil is gone, to the extent practical.

California red-legged frog
• A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
• All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
• Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
• Open excavations and trenches should be covered each night to prevent entrapment of frogs.
• If vegetation removal is necessary, roots should remain in place as much as possible.

9. Communications (radio and/or phone contact numbers needed for this assignment)

☐ **Map/ Chart**	☐ **Weather Forecast/Tides/Currents**	☐
☐	☐	☐

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ICS 204-CG**

3. Branch	4. Division/Group/Staging
Santa Barbara Recovery Branch	Division I/J
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Drew Engstrom	Plains All American Pipeline	307-251-6932
Branch Director	Lanny Kippes/Jason Bergeron	Plains All American Pipeline	918-285-0416
Division/Group Supervisor/STAM	Justin Lee/Curt Johnson	Plains All American Pipeline	918-399-0811

6. Resources Assigned 'X' indicates 204a attachment with additional instructions

Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes	
1 (each)	NRC 6	Carlos Sanchez	510-915-4052	17	SB-I-S001, Culvert	
1 (each)	OMI 6	Keith Long	985-637-6066	10	SB-I-S004, 14100 Arroyo Quemedo	
1 (each)	Double Barrel 1	Chris Hernandez	951-238-6702	20	SB-I-S005, Tijagus	
1 (each)	NRC 1	Carlos Diaz	310-345-3185	22	SB-J-S001, Venadito	
1 (each)	NRC 2	Tom Hallgren	206-786-0123	22	SB-J-S001, Venadito	
1 (each)	OMI 3	John Snyder	504-920-8893	25	SB-J-S001, Refugio North	
1 (each)	OMI 5	Sam Sharrock	573-783-9663	24	SB-J-S001, Refugio North	
1 (each)	OMI 1	David McCoy	409-350-0274	25	SB-J-S001, Refugio South	
1 (each)	OMI 2	Terry Posey	504-382-3841	25	SB-J-S001, Refugio South	
1 (each)	OMI 4	Danny Seghers	504-579-3028	25	SB-J-S001, Refugio South	

7. Work Assignments

Conduct shoreline cleanup in segments per the respective Shoreline Treatment Recommendation (STR) unless otherwise directed by the Division Supervisor due to operational need.

Conduct shoreline clean-up as directed as per SCAT Methodology.

Supervisors should evaluate their entire area of responsibility and report status changes to their Branch Director on a daily basis.

Crews may be deployed to other areas as conditions dictate.

Your entire area of responsibility has been surveyed by SCAT.

STR's have been established throughout your area of responsibility.

SCAT is not required to confirm achievement of Phase 1 endpoints.

Add 1 Biological Monitor when any cleanup operations occur in Division I, Sections SB-I-S004 or SB-I-S005.

8. Special Instructions

ATV's not allowed in exclusion zones at El Capitan and Refugio.

Instructions for Dead Wildlife and Natural Resource Protection.

Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in cleanup operations should be immediately called in to the Wildlife Hotline at 877-823-6926.

Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

For all other DEAD oiled wildlife (marine organisms) discontinue segregating these - they will not be picked up. Dispose with the rest of the oiled material being removed

Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.

Unknown source oil impacts should be reported to Lourdes Mahoney at 813-391-4657 (lmahony@cteh.com)

SAFETY MESSAGE

All personnel are reminded to keep hydrated and take rest breaks at a 50/10 work/rest ratio.

PPE: Tyvek suits, gloves, safety glass, neoprene boots. Avoid walking near waterways.
PFD's must be worn if the potential for drowning exists.
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

Report All Injuries require a immediate notification to Direct Supervisor.

HISTORICAL/CULTURAL GUIDELINES

Leave cultural materials in place at the site of discovery, and mark its location.

Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.

Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

In the event a scheduled meal is not made available to your crew, report this immediately to your Branch Director and Logistics Chief Brian Shive 832-341-4719

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
Emergency Communications			
Medical:	**Evacuation:**	**Other:**	

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ATTACHMENT ICS 204a**

3. Branch	4. Division/Group/Staging	
Santa Barbara Recovery Branch	Division I/J	
5. Strike Team/Task Force/Resource(Identifier)	**6. Leader**	**7.Assignment Location**
Team	**Team Leader**	

8. Work Assignment Special Instructions,Special Equipment/Supplies Needed for Assignment

DIVISION I/J MINIMIZATION MEASURES

Habitat-specific Measures
These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.

Riparian
• Avoid entering wetted areas as much as possible.
• Avoid disturbing vegetation as much as possible.
• The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission.
• During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible.
• Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place.
• Response activities should avoid or minimize changes in channel morphology
• No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval.
• Any listed plant species should be flagged and avoided.
• For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures.

Sandy Beach/Dune
• Avoid entering vegetated dune habitat as much as possible.
• If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack.
• Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour).
• Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location.
• Manual oil removal techniques should be used as much as possible.
• All trash or anything that would attract wildlife to the work area should be removed on a daily basis.
• Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species.
• For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures.
Estuarine
• Avoid entering wetted habitat as much as possible.
• Avoid disturbing vegetation as much as possible.
• Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location.
• A biologist should be present throughout the duration of the cleanup activities.
• Any listed plant species should be flagged and avoided.
• A biologist should look for nests and establish suitable buffer areas to prevent impacts
• For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures.
Species-specific Measures
These measures are specifically targeted to minimize impacts to listed species during initial response, USFWS should be contacted immediately to provide incident-specific measures to best protect these species.

Tidewater goby
• Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs.
• If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies.
• Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed on the first day of work and monitored thereafter for the duration of the work.
• Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site.
• If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days.
• Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening.
• Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

the tidewater goby avoidance/ minimization measures to be implemented during the response.

California red-legged frog
• A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
• All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
• Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
• Open excavations and trenches should be covered each night to prevent entrapment of frogs.
• If vegetation removal is necessary, roots should remain in place as much as possible.
Least Bell's vireos and/or southwestern willow flycatchers
• Disturbance of riparian vegetation should be avoided as much as possible.
• A qualified biologist should conduct surveys within suitable habitat for least Bell's vireos and southwestern willow flycatchers during the nesting season (March 1 – September 15) prior to disturbance of riparian vegetation to identify and establish exclusion buffers around any nests (generally at least 500 feet).
• Manual equipment should be used in occupied habitat as much as possible to minimize disturbance from noise.
• If vegetation removal is required, roots should be left in place as much as possible.
• A qualified biologist should be present as much as possible during activities that impact suitable habitat.

9. Communications (radio and/or phone contact numbers needed for this assignment)

☐ **Map/ Chart**	☐ **Weather Forecast/Tides/Currents**	☐
☐	☐	☐

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ICS 204-CG**

3. Branch	4. Division/Group/Staging
Santa Barbara Recovery Branch	Division K/L
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Drew Engstrom	Plains All American Pipeline	307-251-6932
Branch Director	Lanny Kippes/Jason Bergeron	Plains All American Pipeline	918-285-0416
Division/Group Supervisor/STAM	Scott Grotness/Steve Cadenhead	Plains All American Pipeline	951-201-1492

6. Resources Assigned 'X' indicates 204a attachment with additional instructions

Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes	
1 (each)	NRC 3	Wally Guzman	775-277-0990	22	SB-K-S001, Las Flores	
1 (each)	NRC 4	Paul Morcos	562-481-4640	24	SB-K-S001, Las Flores	
1 (each)	NRC 5	Matt Gotshalk	541-310-4319	24	SB-K-S001, Las Flores	
1 (each)	NRC 8	Kyle Sparrow	425-387-4979	20	SB-K-S001, Las Flores	
1 (each)	Double Barrel 2	Jacob Galindo	661-240-0095	20	SB-K-S001, El Cap	
1 (each)	Double Barrel 3	Joe Petreco	951-902-5766	20	SB-K-S001, El Cap	
1 (each)	OC Vac 1	Chris Loza	562-225-5126	25	SB-K-S001, Las Flores	
1 (each)	Clean Harbors 1	Gregorio Munez	310-345-6867	25	SB-K-S001, Las Flores	
1 (each)	SBFD	Darren Mafi	805-896-6352	24	SB-L-S002, SB-M-S001	
1 (each)	CCC 1	Captain Reed	909-802-8185	17	SB-L-S002, As Accessible	

7. Work Assignments

Conduct shoreline cleanup in segments per the Shoreline Treatment Recommendation (STR) unless otherwise directed by the Division Supervisor due to operational need.

Supervisors should evaluate their entire area of responsibility and report status changes to their Branch Director on a daily basis.

Your entire area of responsibility has been surveyed by SCAT.

Conduct shoreline clean up in accordance with SCAT methodology.

STR's have been established throughout your area of responsibility.

SCAT is not required to confirm achievement of Phase 1 endpoints.

Crews may be deployed from other areas as conditions dictate.

8. Special Instructions

ATV's not allowed in exclusion zones at El Capitan and Refugio.

All light towers are to be facing away from the sand beach until otherwise instructed by Unified Command.

Instructions for Dead Wildlife and Natural Resource Protection.

Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in cleanup operations should be immediately called in to the Wildlife Hotline at 877-823-6926.

Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.

For all other DEAD oiled wildlife (marine organisms) discontinue segregating these - they will not be picked up. Dispose with the rest of the oiled material being removed

Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.

Unknown source oil impacts should be reported to Lourdes Mahoney at 813-391-4657 (lmahony@cteh.com)

SAFETY MESSAGE

All personnel are reminded to keep hydrated and take rest breaks at a 50/10 work/rest ratio.

PPE: Tyvek suits, gloves, safety glass, neoprene boots. Avoid walking near waterways.
PFD's must be worn if the potential for drowning exists.
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

Report All Injuries require a immediate notification to Direct Supervisor.

HISTORICAL/CULTURAL GUIDELINES

Leave cultural materials in place at the site of discovery, and mark its location.

Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.

Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

In the event a scheduled meal is not made available to your crew, report this immediately to your Branch Director and Logistics Chief Brian Shive 832-341-4719

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
Emergency Communications			

Medical: **Evacuation:** **Other:**

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ATTACHMENT ICS 204a**

3. Branch	4. Division/Group/Staging	
Santa Barbara Recovery Branch	Division K/L	
5. Strike Team/Task Force/Resource(Identifier)	**6. Leader**	**7.Assignment Location**
Team	**Team Leader**	

8. Work Assignment Special Instructions,Special Equipment/Supplies Needed for Assignment

DIVISION K/L MINIMIZATION MEASURES

Habitat-specific Measures
These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.

Riparian
• Avoid entering wetted areas as much as possible.
• Avoid disturbing vegetation as much as possible.
• The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission.
• During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible.
• Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place.
• Response activities should avoid or minimize changes in channel morphology
• No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval.
• Any listed plant species should be flagged and avoided.
• For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures.

Sandy Beach/Dune
• Avoid entering vegetated dune habitat as much as possible.
• If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack.
• Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour).
• Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location.
• Manual oil removal techniques should be used as much as possible.
• All trash or anything that would attract wildlife to the work area should be removed on a daily basis.
• Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species.
• For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures.
Estuarine
• Avoid entering wetted habitat as much as possible.
• Avoid disturbing vegetation as much as possible.
• Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location.
• A biologist should be present throughout the duration of the cleanup activities.
• Any listed plant species should be flagged and avoided.
• A biologist should look for nests and establish suitable buffer areas to prevent impacts
• For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures.
Species-specific Measures
These measures are specifically targeted to minimize impacts to listed species during initial response, USFWS should be contacted immediately to provide incident-specific measures to best protect these species.

Tidewater goby
• Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs.
• If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies.
• Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed on the first day of work and monitored thereafter for the duration of the work.
• Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site.
• If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days.
• Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening.
• Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

the tidewater goby avoidance/ minimization measures to be implemented during the response.

California red-legged frog
• A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
• All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
• Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
• Open excavations and trenches should be covered each night to prevent entrapment of frogs.
• If vegetation removal is necessary, roots should remain in place as much as possible.

9. Communications (radio and/or phone contact numbers needed for this assignment)

☐ **Map/ Chart**	☐ **Weather Forecast/Tides/Currents**	☐
☐	☐	☐

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ICS 204-CG**

3. Branch	4. Division/Group/Staging
Santa Barbara Recovery Branch	Division M/N
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Drew Engstrom	Plains All American Pipeline	307-251-6932
Branch Director	Jerry Mackey/Jason Bergeron	Plains All American Pipeline	918-285-0416
Division/Group Supervisor/STAM	Kenny Johnson/Josh Vetters	Plains All American Pipeline	925-349-8269

6. Resources Assigned 'X' indicates 204a attachment with additional instructions

Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes	
1 (each)	NRC Hot Shot #3	TBD	TBD	20		X
1 (each)	Double Barrel Team #3	Eric Navarette	951-295-2680	10		

7. Work Assignments

Conduct shoreline cleanup in segments SB-M-S002 (Boulders), SB-N-001 (Golf Course and Hotel) SB-N-S002 and SB-Q-S003 per the respective Shoreline Treatment Recommendation (STR) unless otherwise directed by the Division Supervisor due to operational need.

Supervisors should evaluate their entire area of responsibility and report status changes to their Branch Director on a daily basis.

Your entire area of responsibility has been surveyed by SCAT.

Conduct shoreline clean up in accordance with SCAT methodology.

STR's have been established throughout your area of responsibility.

SCAT is not required to confirm achievement of Phase 1 endpoints.

Crews may be deployed from other areas as conditions dictate.

8. Special Instructions

No ATVs to be used on sand beaches until otherwise instructed by Unified Command

All light towers are to be facing away from the sand beach until otherwise instructed by Unified Command.

Instructions for Dead Wildlife and Natural Resource Protection.

Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.

Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.

For all other DEAD oiled wildlife (marine organisms) discontinue segregating these - they will not be picked up. Dispose with the rest of the oiled material being removed

Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.

Unknown source oil impacts should be reported to Lourdes Mahoney at 813-391-4657 (lmahony@cteh.com)

SAFETY MESSAGE

All personnel are reminded to keep hydrated and take rest breaks at a 50/10 work/rest ratio. PPE: Tyvek suits, gloves, safety glass, neoprene boots. Avoid walking near waterways.
PFD's must be worn if the potential for drownig exists.
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

Report All Injuries require a immediate notification to Direct Supervisor.

HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surronding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

In the event a scheduled meal is not made available to your crew, report this immediately to your Branch Director and Logistics Chief Brian Shive 832-341-4719

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
Emergency Communications			

Medical: **Evacuation:** **Other:**

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ATTACHMENT ICS 204a**

3. Branch	4. Division/Group/Staging	
Santa Barbara Recovery Branch	Division M/N	
5. Strike Team/Task Force/Resource(Identifier)	**6. Leader**	**7.Assignment Location**
Team	**Team Leader**	

8. Work Assignment Special Instructions,Special Equipment/Supplies Needed for Assignment

DIVISION M/N MINIMIZATION MEASURES

Habitat-specific Measures
These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.

Riparian
• Avoid entering wetted areas as much as possible.
• Avoid disturbing vegetation as much as possible.
• The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission.
• During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible.
• Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place.
• Response activities should avoid or minimize changes in channel morphology
• No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval.
• Any listed plant species should be flagged and avoided.
• For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures.

Sandy Beach/Dune
• Avoid entering vegetated dune habitat as much as possible.
• If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack.
• Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour).
• Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location.
• Manual oil removal techniques should be used as much as possible.
• All trash or anything that would attract wildlife to the work area should be removed on a daily basis.
• Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species.
• For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures.
Estuarine
• Avoid entering wetted habitat as much as possible.
• Avoid disturbing vegetation as much as possible.
• Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location.
• A biologist should be present throughout the duration of the cleanup activities.
• Any listed plant species should be flagged and avoided.
• A biologist should look for nests and establish suitable buffer areas to prevent impacts
• For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures.
Species-specific Measures
These measures are specifically targeted to minimize impacts to listed species during initial response, USFWS should be contacted immediately to provide incident-specific measures to best protect these species.

Tidewater goby
• Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs.
• If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies.
• Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed on the first day of work and monitored thereafter for the duration of the work.
• Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site.
• If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days.
• Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening.
• Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

the tidewater goby avoidance/ minimization measures to be implemented during the response.

California least tern and/or Western snowy plover
• All responders should be informed of the potential for western snowy plovers and/or California least terns to be impacted and of the avoidance/minimization measures being implemented.
• A qualified biologist should identify areas that may contain nests or chicks, and any entry into these areas should be avoided.
• Any work required within nesting areas should be accompanied by a qualified biologist.
• A qualified biologist should identify and demarcate access and egress routes.
• The number of vehicles and number of vehicle trips should be reduced to the minimum needed to achieve the mission.
• All activities near nests or chicks should occur on the lower beach (wet sand), if possible.
• Watch for and avoid western snowy plovers sheltering in tire tracks and sandy depressions.
• If vehicles are used, speed should be kept to less than 10 mph, and vehicles should remain on the lower beach (wet sand), if possible. If it is not possible to remain on the lower beach (e.g., it is high tide), responders should stop every 100 m and scan ahead with binoculars to look for western snowy plovers and California least terns on the beach.
• The amount of wrack, shells, and natural debris removed from the beach should be minimized. If shoreline pre-cleaning is necessary, debris should be stockpiled in an appropriate location (avoiding nesting locations) and returned to the beach after the threat of oil is gone, to the extent practical.

California red-legged frog
• A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
• All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
• Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
• Open excavations and trenches should be covered each night to prevent entrapment of frogs.
• If vegetation removal is necessary, roots should remain in place as much as possible.

9. Communications (radio and/or phone contact numbers needed for this assignment)

☐ **Map/ Chart**	☐ **Weather Forecast/Tides/Currents**	☐
☐	☐	☐

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ICS 204-CG**

3. Branch	4. Division/Group/Staging
	Pipeline Repair Group
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Drew Engstrom	Plains All American Pipeline	307-251-6932
Branch Director			
Division/Group Supervisor/STAM	Mike Guidry	Plains All American Pipeline	(337) 526-8539

6. Resources Assigned 'X' indicates 204a attachment with additional instructions

Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
1 (each)	Section 4 Task Force	Mike Guidry	337-526-8539	0	
16 (each)	Pressure Washer			0	
1 (each)	Excavation Task Force	Donn Zuroski	415-971-6829	0	
1 (each)	Crane			0	

7. Work Assignments

Excavation Task force will carry out operations as per the Attached Excavation plan.

Section 2/3/4 Task Force Shall:
-Conduct removal operations of oil and contaminated solid waste in accordance with the approved Section Plan.

-All lifting operations will be conducted in accordance with the UC approved Lift Plan.

8. Special Instructions

Excavation Task Force
Safety Officers and air monitoring shall be present during operations
Prior to excavations archeologist shall be consulted and if there are any cultural or historic resource concers, archeologist shall be present to monitor the operations

1. A minimum of 25 feet from the potential release locations shall be maintained
2. All recovered oil shall be quantified and disposed of in accordance wit the waste managemnet plan.

Volunteers: 1-800-228-4544
Claims: 866-753-3619
Public Affairs/JIC: 805-696-1188
State Park Law Enforcement: 951-443-2969
Sherriff's Dispatch: 805-692-5743

Instructions for Dead Wildlife and Natural Resource Protection.

HAZARD MITIGATION
-All personnel operating in the restricted area shall wear level D (hard hats, safety toe boots, safety glasses, FRC clothing).
-Repiratory protection (full face air purifying respirator with OV-P100 cartridges) may be required to be used by all personnel based on continous air monitoring readings.
-Engineering controls such as vapor barriers and portable ventilation shall be used in the evacuation area prior to use of repiratory protection.
-All personnel are reminded to stay hydrated and take breaks as needed.
- Notify Assistant Safety Officer if safety issues arise.

SAFETY MESSAGE
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

- Stop clean-up work in the vicinity surronding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
Emergency Communications			
Medical:	**Evacuation:**	**Other:**	

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ICS 204-CG**

3. Branch	4. Division/Group/Staging
Air Operations Branch	
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Drew Engstrom	Plains All American Pipeline	307-251-6932
Branch Director	Kyle Jellison	Witt O'Brien's	954-218-4935

6. Resources Assigned 'X' indicates 204a attachment with additional instructions

Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
2 (each)	Helicopter from Aspen Air, 3 Passenger			0	

7. Work Assignments

Provide Coordination of Air Ops in the Area of Operations.
Enforce temporary flight restrictions (TFR) within the norms of safety.
Refer to Airops 220 for flight manifest.

8. Special Instructions

Air Ops Minimization Measures

- Maintain minimum altitude of 500 feet above or a 1/2 mile away from Snowey Plover Habitat in the vicinity of Coal Oil Point.
- Maintain a minimum altitude of 250 ft altitude above bluffs and personnel.

SAFETY MESSAGE
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

Report All Injuries require a immediate notification to Direct Supervisor.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
123.02 MHZ	VHF channel 10&16		

Emergency Communications

Medical:	Evacuation:	Other:

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Kyle Jellison	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

ATTENTION: All passengers should arrive 15 minutes prior to departure to maintain flight schedule.

ICS 220 AIR OPERATIONS	REFUGIO INCIDENT	OP PERIOD: 41 From June 9, 2015 0600 To June 10, 2015 060
AIRPORT: Signature Flight Support 515 Marxmiller Pl, Goleta, CA		
Air Communications: 123.02 MHz, Marine VHF Channels 10 & 16	Air Operations Branch Director Kyle Jellison (954) 4 9 3 5 8	

Temporary Flight Restriction (TFR) 5/5914
EXTENDED TO JUNE 20, 2015

Airspace Definition:
On the GAVIOTA VORTAC (GVO) 146 degree radial at 4.4 nautical miles.
(Latitude: 34º27'43"N, Longitude: 120º03'50"W)
5 nautical mile radius
From surface up to and including 1,000 feet MSL.

SNOWEY PLOVER HABITAT FLIGHT RESTRICTION

Air traffic is to remain 500 feet above OR half (1/2) mile away from Snowy Plover Habitat in the vicinity of Coal Oil Point.

Any complaints or concerns about air operations affecting wildlife routed to Jeff Phillips of USFWS 6 5 5 2 4 5 5 2 within Planning/EUL

All helicopters are to remain 250ft altitude or higher around workers.

Bell 407 7AC
VIP/Special Purpose

0800 (2 hr)
- Jason Blevins plus 2 people

1030 (1 hr)
- VIP

1230 (1 hr)
- Jason Guzman plus 2 people

LUNCH BREAK

1500 (1hr)
- VIP

1700 (1 hr)
- VIP

1

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ICS 204-CG**

3. Branch	4. Division/Group/Staging
	Law - Security Group
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Drew Engstrom	Plains All American Pipeline	307-251-6932
Branch Director			
Division/Group Supervisor/STAM	R Plastino	SBSO	805-268-4035

6. Resources Assigned 'X' indicates 204a attachment with additional instructions

Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes	
1 (each)	Law Enforcement Team	B. McVay		10		X
14	Security Land	B. MvVay	805-617-5735	0	Sheriff, State Parks, HCP, Fish and Wildlife	
1 (each)	Response Personnel - Security Guard @ Source Site, Night Ops - ISS Security			0		
1 (each)	Vehicle - Security Vehicle - ISS Security			0		
1 (each)	Boat - CA Fish & Wildlife 58' Patrol Boat			0		
4 (each)	Personnel - Patrol Boat Personnel			0		
1 (each)	Personnel - Security-Law Enforcement Technical Sepcialist			0		
1 (each)	Personnel - Night time Security Officer for Wildlife Branch Equipment & Evidence - El Capitan/Del Mar Camp			0		

7. Work Assignments

Prevent unauthorized persons from entering or remaining in the spill area. Contract and identify all persons not readily identifiable. Escort any unauthorized person from the area.

Land units- Contact any unidentified vehicle parked in the area with emphasis on highway 101 where access to the beach can be made. Remove all unauthorized persons and vehicles. Do not loiter on or around the railway.

Water units- Contact any unidentified vessels entering or in the spill zone. Divert or excort unauthorized vessels from the spill area

8. Special Instructions

Identify any persons or vessels that may need decontamination. Personnel are remined to stay hydrated and work rest regimen as neccessary.

Instructions for Dead Wildlife and Natural Resource Protection.

Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.

Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.

For all other DEAD oiled wildlife (marine organisms) discontinue segregating these - they will not be picked up. Dispose with the rest of the oiled material being removed.

Unknown source oil impacts should be reported to Lourdes Mahoney at 813-391-4657 (lmahony@cteh.com)

Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	02/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

On Water: Avoid entering kelp beds as much as possible. Avoid boat traffic traveling near or through flocks of seabirds resting on water, stay 1000 ft away from nesting seabirds. If sea otter is observed keep clear and call Mike Harris immediatly. 831-212-7090

SAFETY MESSAGE
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surronding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

In the event a scheduled meal is not made available to your crew, report this immediately to your Branch Director and Logistics Chief Brian Shive 832-341-4719

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager

Emergency Communications

Medical:	911	**Evacuation:**	911	**Other:**	911

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	02/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ICS 204-CG**

3. Branch	4. Division/Group/Staging
	SCAT
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Aaron Holton	Witt Obriens	985-290-6634
Branch Director	Mike Schommer	CAOSPR	707-416-1141
Division/Group Supervisor/STAM	Corey Kong	CDFW-OSPR	562-477-7081

6. Resources Assigned 'X' indicates 204a attachment with additional instructions

Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes	
1 (each)	SCAT Team 1			3	All SB/V Divisions	
1 (each)	SCAT Team 2			3	All SB/V Divisions	
1 (each)	SCAT Team 3			3	All SB/V Divisions	
1 (each)	SCAT Team 4			3	All SB/V Divisions	
1 (each)	SCAT Team 5			0	Santa Barbara Divisions	

7. Work Assignments

Report to ICP at 0700.
Receive assignments, calibrate, and sign site safety plan.
Complete SCAT assignments by 1400 return to ICP by 1500 for briefing with Scat Coordinator (Corey Kong).

8. Special Instructions

PPE is available from OPS on scene.

Refer public wildlife reports to OWCN 877-823-6926

SCAT Teams report oiled wildlife to Wildlife Branch Director or deputy.

Refer all media request to PIO Steve Gonzales 916-539-6129.

Report observed T&E species to OWCN 877-823-6926

Scat Teams to assess clean-up operations observed on site and make recommendations for improvement. Make sure operations are following the approved shoreline treatment recommendations.

For cultural/Archeological concerns, Sean Ross, Field observer coordinator 415-720-4166 & Michael Horn, Warden 760-964-2312.

Volunteers: 888-567-SERV
Claims: 866-753-3619
Public Affairs/JIC: 805-696-1188
State Park Law Enforcement: 951-443-2969
Sherriff's Dispatch: 805-692-5743

Instructions for Dead Wildlife and Natural Resource Protection.

Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.

Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.

For all other DEAD oiled wildlife (marine organisms) discontinue segregating these - they will not be picked up. Dispose with the rest of the oiled material being removed.

Unknown source oil impacts should be reported to Lourdes Mahoney at 813-391-4657 (lmahony@cteh.com)

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.

HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surronding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager

Emergency Communications

Medical:	911	**Evacuation:**	911	**Other:**	911

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	**ATTACHMENT ICS 204a**

3. Branch	4. Division/Group/Staging	
	SCAT	
5. Strike Team/Task Force/Resource(Identifier)	**6. Leader**	**7.Assignment Location**
Team	**Team Leader**	

8. Work Assignment Special Instructions,Special Equipment/Supplies Needed for Assignment

SCAT MINIMIZATION MEASURES

Habitat-specific Measures
These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.

Marine
• Avoid entering kelp beds as much as possible.
• Avoid boat traffic traveling near or through flocks of seabirds resting in the water.
• Have a wildlife monitor present on all boats.
• No spill response activities should take place within 1,000 feet of nesting seabirds.
• If a sea otter is observed, keep all response activities as far away from the animal(s) as possible until an expert can be consulted.
Riparian
• Avoid entering wetted areas as much as possible.
• Avoid disturbing vegetation as much as possible.
• The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission.
• During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible.
• Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place.
• Response activities should avoid or minimize changes in channel morphology
• No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval.
• Any listed plant species should be flagged and avoided.
• For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures.

Sandy Beach/Dune
• Avoid entering vegetated dune habitat as much as possible.
• If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack.
• Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour).
• Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location.
• Manual oil removal techniques should be used as much as possible.
• All trash or anything that would attract wildlife to the work area should be removed on a daily basis.
• Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species.
• For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures.
Estuarine
• Avoid entering wetted habitat as much as possible.
• Avoid disturbing vegetation as much as possible.
• Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location.
• A biologist should be present throughout the duration of the cleanup activities.
• Any listed plant species should be flagged and avoided.
• A biologist should look for nests and establish suitable buffer areas to prevent impacts
• For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures.
Coastal Bluff
• Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location.
• Previously-disturbed areas should be used for equipment staging and vehicle parking to the maximum extent practical.
• Any listed plant species should be flagged and avoided.

Species-specific Measures
These measures are specifically targeted to minimize impacts to listed species during initial response, USFWS should be contacted immediately to provide incident-specific measures to best protect these species.

Tidewater goby
• Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs.
• If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies.

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

• Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed on the first day of work and monitored thereafter for the duration of the work.
• Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site.
• If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days.
• Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening.
• Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about the tidewater goby avoidance/ minimization measures to be implemented during the response.

Least Bell's vireos and/or southwestern willow flycatchers
• Disturbance of riparian vegetation should be avoided as much as possible.
• A qualified biologist should conduct surveys within suitable habitat for least Bell's vireos and southwestern willow flycatchers during the nesting season (March 1 – September 15) prior to disturbance of riparian vegetation to identify and establish exclusion buffers around any nests (generally at least 500 feet).
• Manual equipment should be used in occupied habitat as much as possible to minimize disturbance from noise.
• If vegetation removal is required, roots should be left in place as much as possible.
• A qualified biologist should be present as much as possible during activities that impact suitable habitat.
California least tern and/or Western snowy plover
• All responders should be informed of the potential for western snowy plovers and/or California least terns to be impacted and of the avoidance/minimization measures being implemented.
• A qualified biologist should identify areas that may contain nests or chicks, and any entry into these areas should be avoided.
• Any work required within nesting areas should be accompanied by a qualified biologist.
• A qualified biologist should identify and demarcate access and egress routes.
• The number of vehicles and number of vehicle trips should be reduced to the minimum needed to achieve the mission.
• All activities near nests or chicks should occur on the lower beach (wet sand), if possible.
• Watch for and avoid western snowy plovers sheltering in tire tracks and sandy depressions.
• If vehicles are used, speed should be kept to less than 10 mph, and vehicles should remain on the lower beach (wet sand), if possible. If it is not possible to remain on the lower beach (e.g., it is high tide), responders should stop every 100 m and scan ahead with binoculars to look for western snowy plovers and California least terns on the beach.
• The amount of wrack, shells, and natural debris removed from the beach should be minimized. If shoreline pre-cleaning is necessary, debris should be stockpiled in an appropriate location (avoiding nesting locations) and returned to the beach after the threat of oil is gone, to the extent practical.

California red-legged frog
• A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
• All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
• Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
• After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
• Open excavations and trenches should be covered each night to prevent entrapment of frogs.
• If vegetation removal is necessary, roots should remain in place as much as possible.

9. Communications (radio and/or phone contact numbers needed for this assignment)

☐ **Map/ Chart**	☐ **Weather Forecast/Tides/Currents**	☐
☐	☐	☐

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Mike Nosbaum	06/08/2015 15:00	A. Holton	06/08/2015 15:00	Drew Engstrom	06/08/2015 15:00

3. Basic Local Communications Information

Last Name	First Name	Organization	Phone
Abbey	Jonathan	Safety Tek Ind	(661) 301-4756
Abbey	Zack	Stantec	(805) 444-9262
Abbey	Zack	Stantec	(805) 444-9262
Abe	Kelly	Ca Fish & Wildlife	(916) 216-3964
Abe	Kelly	Ca Fish & Wildlife	(916) 216-3964
Abrams	Ricard	SB Co EM	(805) 896-6371
Abrams	Ricard	SB Co EM	(805) 896-6371
Acosta	Jim	CAL OES	(714) 458-1271
Acosta	Jim	CAL OES	(714) 458-1271
Acosta	Estevan	SB Locksmiths	(760) 704-7108
Acosta	Estevan	SB Locksmiths	(760) 704-7108
Addassi	Yvonne	OSPR	(916) 956-1162
Addassi	Yvonne	OSPR	(916) 956-1162
Aguilar	Tony	Stantec	(805) 405-0414
Aguilar	Tony	Stantec	(805) 405-0414
Ailey	Paul	Plains	(405) 388-2570
Ajari	Todd	Ca Fish & Wildlife	(707) 322-4300
Aksenova	Anna	Kelly Services	(805) 448-8351
Almanza	Carlos	SB Co	(805) 451-3870
Altstatt	Jessica	OSPR	(805) 708-8682
Alvis	Kim	CTEH	(501) 766-1515
Ames	Arianna	Weber Shandwick	(631) 327-3537
Amezcua	Martin	OSPR	(916) 826-5678
Ammann	Karah	UC SB	(831) 331-9948
Amon	George	Coast Guard	(262) 995-8188
Andersen	Ryan	Plains	(281) 224-9891
Anderson	Kile	Worley	(225) 266-4482
Anderson	Michael	Coast Guard	(618) 201-1752
Andrews	Mike	Pacific Climate	(805) 452-8709
Angus	Deana	NOAA	(408) 623-5323
Arganda	Dominic	CHF	(805) 878-7504
Arkinstall	Leonard	Ca Fish & Wildlife	(949) 289-3757
Arndt	Elsa	SB OEM	(805) 681-5524
Arrazbal	Mario	Plains	(713) 851-5906
Arredondo	Frank	BVBMI	(805) 450-5099
Arrington	Eleanor	UC SB	(585) 698-6296
Arrington	Bill	US DOT	(909) 677-7049
Babcock	Ann	Stantec	(801) 493-5037
Bachhuber	Silke	UC SB	(646) 285-2812
Backus	Dave	CTEH	(901) 496-6658

Baernstein	Melissa	Stantec	(909) 362-3942
Bafia	John	Coast Guard	(202) 725-6364
Bailey	Julie	NOAA	(805) 235-8022
Baker	Caitlin	CTEH	(501) 206-8578
Baker	Phil	CTEH	(501) 804-8138
Bandak	Sonny	CTEH	(501) 366-8118
Banks	Ilia	Ca Fish & Wildlife	(909) 229-1578
Barba	Evan	UC SB	(530) 919-2130
Barbier	Brian	Applied Earthworks	(530) 848-3253
Barrett	Luke	Stantec	(775) 544-4041
Barriga	Gonzalo	LA FD Inv	(213) 725-8862
Bassin	Rich	Coast Guard	(732) 433-0380
Beal	John	Coast Guard	(440) 315-0765
Beckwith	Chris	OSPR	(916) 591-0343
Beene	Jamie	ISS	(903) 570-8958
Bell	Bruce	CTEH	(504) 628-7177
Bell	Keegan	UC SB	(619) 952-4883
Bellfield	John	CleanSeas	(805) 452-7619
Benninghoven	Sheri	SB Co CEO	(805) 450-4886
Berger	Michael	NOAA	(678) 472-2410
Bergeron	Jason	WOB	(281) 414-7742
Berman-Kowalewski	Michelle	NOAA	(805) 896-0858
Bernard	Matt	Stantec	(401) 369-4355
Bess	David	Ca Fish & Wildlife	(916) 718-7713
Beveridge	Dave	OSPR	(916) 919-6431
Bicksler	Scott	Aerotek	(951) 543-8161
Bierce	Pamela	US Fish & Wildlife	(916) 207-8385
Bilbe	Charles	Worley	(504) 559-8102
Bingham	Shauna	NOAA	(805) 893-6421
Bishop	Jonathan	Ca Coastal Comm	(415) 693-8375
Black	Ned	US EPA	(415) 686-3994
Black	Dianne	SB Co	(805) 886-4367
Blanchette	Carol	OSPR	(805) 403-9561
Blevins	Jason	Plains	(281) 217-4846
Blumenfeld	Jared	US EPA	(415) 215-2375
Bo	Petty	Plains	(432) 210-5174
Boelhouwer	Steve	SB ICT	(805) 568-2656
Boggs	Melissa	Ca Fish & Wildlife	(805) 558-1005
Boisen	Kent	SB Co FD	(805) 755-3120
Bollier	John Robert	Stantec	(805) 427-4852
Bonner	Craig	SB Co Sheriff	(805) 896-6558
Bontty	Mona	Ca OES	(562) 673-0411

Borlas	Chris	Applied Earthworks	(772) 453-1074
Bourgeois	Shelley	Pace Analytical	(225) 337-6253
Boyce	Jen	NOAA	(562) 243-4696
Boyd	Bill	Ventura Co OES	(805) 218-9009
Boyes	Edward	WOB	(562) 760-6940
Bradley	Jim	OSPR	(916) 292-2616
Brady	Bryce	Ca Volunteers	(818) 414-3889
Braund	Trevor	Clean Seas	(954) 294-5597
Brazer	Mara	Brazer Comm	(415) 305-6677
Bridges	Max	OSPR	(707) 583-3131
Briggs	Errin	Co SB Planning	(805) 568-2047
Britt	Andy	CTEH	(281) 202-7800
Broadhurst	Danny	Global Diving	(805) 509-0701
Bronson	Collin	Coast Guard	(562) 879-1141
Broughton	Julie	Stantec	(805) 405-5851
Brown	Rick	House of Glass	(805) 451-3581
Brownie	Kuk	Coast Guard	(310) 935-8606
Bruce	Ian	EPA START	(509) 845-5547
Bryant	Wade	C-K Associates	(404) 630-2123
Buchanan	James	Plains	(661) 437-1459
Buie	Greg	Coast Guard	(202) 494-9091
Bursek	Julie	NOAA	(805) 893-6422
Buttram	Michael	Plains	(805) 310-2141
Buttram	Andrew	Pacific Petro	(805) 680-3809
Bynum	Larry	Plains	(661) 706-5230
Byrd	Brian	Plains	(601) 467-5266
Byrd	Mary	EPIC	(805) 961-8833
Cabral	Santos	Ca Fish & Wildlife	(949) 289-2928
Caceres-Schnell	Carmen	AECOM	(818) 517-3126
Caddell	Steven	Plains	(562) 607-7991
Cadenhead	Steve	WOB	(850) 605-6046
Caesar	Jim	UC SB	(805) 450-1437
Caillouet	Josh	CTEH	(985) 637-1220
Calanog	Steve	US EPA	(415) 595-8350
Caliguire	Mike	Patriot Environmental	(510) 965-3691
Campbell	Gregory	NOAA	(760) 271-9175
Campbell	Jacob	House of Glass	(805) 345-1115
Canto	Will	Patriot Environmental	(562) 244-5108
Cardell	Debbie	Plains	(661) 472-0956
Cardenas	Ramiro	Murphy Electric	(805) 965-0313
Carlson	Peter	UC SB	(303) 263-7524
Carlton	Jeff	Plains	(925) 765-3275

Carroll	David	Plains	(918) 399-2811
Carswell	Lilian	US Fish & Wildlife	(805) 612-0975
Castellana	Ben	EPA START	(818) 371-5388
Castillo	Rudy	Continental Services	(805) 896-3378
Castro	Guy	Plains	(562) 756-2647
Caten	Lisa	Plains	(251) 455-6835
Cavanagh	Michael	Coast Guard	(216) 394-8400
Cera	Katy	Applied Earthworks	(805) 904-9406
Chacon	Louis	CTEH	(501) 529-7163
Chang	Lena	US Fish & Wildlife	(818) 389-3156
Chanley	Bob	AECOM	(805) 448-9320
Chastain	Dennis	Ca Fish & Wildlife	(562) 505-8988
Chedsey	Bob	OSPR	(707) 416-6038
Chickering	Robert	Adv BioCatalytics	(949) 887-9509
Childs	Carl	NOAA	(206) 856-8815
Chumney	Lori	OSPR	(916) 956-8175
Chuop	Khamly	Stantec	(510) 999-0647
Cisneros	Miguel	Stantec	(559) 305-9555
Clark	Heather	Coast Guard	(251) 680-7911
Clarkson	Phil	Applied Earthworks	(805) 441-9488
Clute	Cathy	Cathy Klute CSR	(805) 698-8719
Cochran	Nick	EPA START	(858) 335-8392
Cohen	Scott	Ca Fish & Wildlife	(805) 207-6312
Collins	Cliff	OMI	(225) 329-8112
Collins	Kory	Ca Fish & Wildlife	(310) 944-8182
Colomb	Jon	EPA START	(773) 947-4064
Connell	Mike	Ca Fish & Wildlife	(805) 331-1867
Connolly	Charles	CTEH	(501) 366-5689
Conway	Eric	Coast Guard	(727) 698-8370
Cooper	Doug	US Fish & Wildlife	(805) 701-5764
Corbo	Christian	Ca Fish & Wildlife	(310) 864-5299
Cosentino Mannin	Natalie	NOAA	(707) 206-1642
Costlow	Jeremy	ISS	(903) 714-6172
Counseller	Jeff	Plains	(281) 450-7260
Couture	Randy	Stantec	(805) 427-4863
Cox	Bill	ACTI	(661) 337-0562
Cox	Nat	Ca State Parks	(805) 320-7521
Cox	Gery	OSPR	(805) 801-9272
Craddock	Spike	Patriot Environmental	(805) 680-2050
Crafton	Stephen	SB Co	(805) 453-1089
Creighton	Kent	Patriot Environmental	(562) 310-6969
Crestfield	Lori	SB Co Probation	(805) 882-3663

Crider	Ryan	Plains	(504) 453-9724
Crooks	Patrick	Stantec	(805) 637-2742
Crossland	Mark	Ca Fish & Wildlife	(805) 550-2729
Cullen	Thomas	OSPR Administrator	(510) 517-8314
Cummings	Stacy	NOAA	(202) 440-3521
Curran	Steven	Ca State Lands Com	(562) 590-5266
Currie	Jon	Stantec	(608) 220-7768
Curtis	Josh	OSPR	(707) 330-4122
Cutts	Brian	Coast Guard	(757) 567-8382
Dalessandro	JD	CTEH	(703) 999-7655
Dally	Steven	Murphy Electric	(805) 896-0228
D'Amato	Adam	NRC	(631) 449-8176
Daniel	Travis	Coast Guard	(850) 696-9204
Dann	Jeffrey	Plains	(713) 201-3548
Darst	Cat	US Fish & Wildlife	(805) 607-9937
Davis	Cory	CTEH	(501) 258-7881
Davis	Kathryn	UC SB	(831) 320-1770
Dayton	Jeff	OSPR	(707) 498-0518
Dean	Charity	SB Co Public Health	(805) 896-2229
Dehonor	Fernando	Patriot Environmental	(562) 244-4185
Delgado	Ruben	Patriot Environmental	(562) 244-4408
Delgado	Alan	SB Locksmiths	(805) 689-0327
Dellith	Chris	US Fish & Wildlife	(805) 644-1766
Denney	Chris	WOB	(985) 710-0629
Deppe	Darlene	Ca State Parks	(805) 338-0172
Diamond	Walter	OMI	(504) 236-0085
Dibenedetto	John	US DOE	(805) 681-2240
Dicken	Ian	SB ICT	(805) 315-5256
Dieatrick	George	Plains	(562) 756-2266
Diel	Chris	US Fish & Wildlife	(805) 223-1718
Dillard	John	Weber Shandwick	(917) 501-8155
Dinarte	Rudy	Applied Earthworks	(760) 490-3413
Doane-Allmon	Julie	AECOM	(805) 455-5042
Doiron	Katherine	NOAA	(781) 654-7889
Donohoe	Regina	Ca Fish & Wildlife	(916) 616-0723
Donohue	Keith	Coast Guard	(415) 320-5345
Dorn	Walt	Patriot Environmental	(562) 244-2205
Dorsey	Matt	NOAA	(315) 278-0922
Dostal	Jamie	Ca Fish & Wildlife	(805) 207-6453
Douma	Jason	Clean Harbors	(231) 384-5451
Draguesku	Colleen	US Fish & Wildlife	(949) 378-6513
Dugan	Jenny	OSPR	(805) 455-6165

Dugger	Roy	Applied Earthworks	(805) 757-1742
Dumont	Shana	Stantec	(587) 336-2957
Dunkelman	Tom	US EPA	(775) 721-4712
Dunn	Chris	Stantec	(805) 813-0798
Dunphy	Jason	US DOT	(303) 956-1873
Dyer	Michael	SB OEM	(805) 681-5526
Dykhuizen	Candice	Plains	(832) 306-1784
Edblad	Scott	Stantec	(661) 754-0862
Edblad	Kristy	Stantec	(661) 754-0863
Edelson	David	Coast Guard	(609) 556-5212
Edsinger	Brian	Navy	(805) 844-6324
Edwards	Shaun	Coast Guard	(503) 360-2502
Eidman	Mike	Plains	(281) 217-3707
Eliason	Mike	SB Co FD	(805) 896-5134
Elms	Logan	Stantec	(661) 754-0385
Encinas	Liliana	SB Co FD	(805) 284-2045
Engle	John	OSPR	(805) 705-1768
Engstrom	Drew	Plains	(307) 251-6932
Erlandson	Jon	Historical Dynamics	(541) 285-7346
Esparza	Bea	WCES	(562) 244-1211
Espinoza	Jesica	US Fish & Wildlife	(310) 678-4903
Ewing	Greg	OSPR	(916) 203-6213
Fardig	Thomas	Stantec	(805) 341-2396
Fargas	Dawn	SB Co	(805) 403-0688
Faurot-Daniels	Ellen	Ca Fish & Wildlife	(831) 233-0723
Fearon	Anne	SB Co	(805) 835-5718
Fenske	Jacob	CTEH	(501) 584-8239
Ferguson	Jeffrey	NOAA	(301) 351-7798
Ferguson	John	NOAA	(805) 341-0422
Ferrari	Dominic	Plains	(562) 756-2538
Ferrell	Jimmy	Plains	(713) 447-9536
Filipchuk	Greg	Plains	(403) 852-8707
Finch	Tom	US DOT	(303) 807-7200
Fitzgerald	Tara	EPA START	(650) 784-1633
Flaharty	Terrell	Plains	(504) 214-7657
Fletcher	Elizabeth	Plains	(713) 806-5871
Fletcher	Chelsea	Ca State Parks	(805) 705-6228
Flicek	Meghan	Plains	(307) 262-1122
Flolid	Nick	CRA	(651) 233-3731
Flynn	Dan	WOB	(314) 277-1335
Foley	Susan	SB Co Exec	(805) 568-3522
Ford	Bob	Ca Fish & Wildlife	(916) 508-2863

Fordham	Randy	Plains	(661) 332-9164
Foreman	Peter	CTEH	(501) 258-0582
Foss	Steve	OSPR	(916) 416-8908
Foto	James	OSPR	(310) 683-3032
Franco	Rudy	CHF	(805) 406-8918
Frangis	Alexis	Ca DPR	(805) 207-9469
Frash	Jason	BRI	(805) 758-8301
Friberg	Christina	Applied Earthworks	(201) 615-2751
Fricke	Mary	Ca Fish & Wildlife	(916) 417-0210
Fridlund	Jeff	Plains	(818) 746-6755
Fula	Luis	US EPA	(562) 913-2838
Fula Jr	Luis	US EPA	(562) 546-9858
Gallant	Natasha	OSPR	(916) 716-1665
Gama	Marlyng	Stantec	(626) 590-5812
Gamble	Lynn	Applied Earthworks	(619) 990-3250
Gamblin	Tony	SB Co	(805) 934-6130
Garcia	Sau	Ca Fish & Wildlife	(562) 843-2714
Garcia	Henry	ACTI	(661) 979-8677
Garcia	Janet	COCC	(805) 451-8757
Garcia	Quntan	CFD	(805) 835-2328
Garcia	Cheyenne	Ca Volunteers	(916) 914-3386
Gardner	Terry	Pacific Petro	(805) 868-9008
Gardner-Cox	Peter	WOB	(206) 914-5131
Geis	Robert	SB Co	(805) 896-4210
Gellerman	Holly	OSPR	(916) 747-0611
Geraghty	Brendon	WOB	(562) 217-0791
Gibbons	Tom	Pacific Petro	(805) 310-7625
Gibson	Desmond	US DOT	(562) 484-8851
Gibson	Steve	OSPR	(562) 598-2849
Gilliland	Ken	Stantec	(805) 290-0541
Giovanacci	Anthony	SB OEM	(805) 636-6983
Glick	Michael	BRI	(805) 450-6487
Gold	Jennifer	Ca Fish & Wildlife	(805) 450-8695
Goleman	David	OSPR	(707) 738-1468
Gollhofer	Bryan	Ca Fish & Wildlife	(562) 707-7757
Gomez	Roberto	Plains	(805) 863-6606
Gonzales	Jo Anne	Plains	(661) 336-7901
Gonzalez	Steve	OSPR	(916) 539-6124
Gore	Dean	Plains	(713) 498-5760
Gorham	Bill	Plains	(805) 377-9336
Gorman	Mark	Plains	(713) 725-1193
Gratcofsky	Joe	US DOT	(303) 725-3200

Graves	Matt	WGR	(724) 584-7885
Green	Amanda	Coast Guard	(562) 472-5352
Greenman	Justin	NOAA	(815) 354-1864
Greer	Matt	Plains	(661) 204-7661
Grennan	James	Ca State Parks	(805) 909-1219
Griffeth	Jason	Plains	(918) 285-0768
Griffin	Eric	SB Co	(603) 359-8287
Grimmasey	Suzanne	SB ADMHS	(805) 886-5403
Grosso	Diana	CDFW	(661) 426-5276
Guerreiro	Greg	WOB	(949) 363-3095
Guevara	Pastor	Ca OES	(562) 338-8440
Guidry	Mike	Plains	(337) 526-8539
Gutierrez	Antonio	ISS	(951) 640-8049
Guzman	Jason	Patriot Environmental	(805) 755-3322
Guzzardi	Joe	COEM	(805) 681-5542
Haffner	Craig	OSPR	(707) 718-6948
Hagan	Julia	BSSE	(805) 377-3872
Hall	Susan	Stantec	(317) 294-7292
Hamilton	Paul	Ca Fish & Wildlife	(530) 713-1517
Hammond	Skip	Plains	(805) 310-2064
Hampton	Steve	OSPR	(916) 956-0949
Hanson	Kyle	Clean Seas	(805) 455-5502
Harer	Justin	Plains	(661) 301-6227
Hartig	Rich	Plains	(562) 453-6926
Harz	Erik	AECOM	(805) 729-2679
Haslam	Lee	Plains	(903) 918-4360
Haslouer	Leeann	Applied Earthworks	(805) 895-2947
Hastings	Sean	NOAA	(805) 705-1790
Hatton	Laura	Plains	(562) 818-6550
Haug	Tom	WOB	(562) 217-3511
Hawley	Georganna	Applied Earthworks	(805) 760-3175
Headrick	Tylor	SB OEM	(917) 723-3441
Heap	Eric	Plains	(307) 799-8528
Hebert	Allen	Plains	(661) 204-0188
Henderson	John	US Fish & Wildlife	(916) 799-0588
Henkel	Laird	OSPR	(831) 212-7665
Henning	Kirk	Stantec	(805) 995-4050
Henry	Stephen	US Fish & Wildlife	(805) 701-5744
Henson	Chris	SB Co	(805) 568-2197
Herman	Stephanie	OSPR	(530) 979-6099
Hicks	Eric	Stantec	(619) 246-0951
Higgins	Damian	US Fish & Wildlife	(916) 943-8529

Hjelstrom	Eric	Ca DPR	(805) 331-2740
Hochleutner	John	Pacific Petro	(805) 260-5000
Hodgins	Patrick	Plains	(281) 467-3658
Hoffman	Michaela	Padre	(949) 632-1042
Hole	Zoe	Stantec	(604) 362-6404
Hollabaugh	Scott	Plains	(918) 285-1241
Holland	Michael	CTEH	(518) 796-4151
Holmes	Capt John	ACTI	(310) 347-6350
Holmes	John	ACTI	(310) 734-9125
Holt	Jesse	Plains	(918) 521-9421
Holton	Aaron	WOB	(985) 290-6634
Hooper	Michael	LA OEM	(213) 792-4237
Hoover	Kelly	SB SO	(805) 636-3478
Hopper	Dustin	CTEH	(501) 530-0521
Horn	Michael	OSPR	(760) 964-2312
Hosch	Karl	Pacific Petroleum	(805) 878-4408
Hosking	Scott	SB Co	(805) 896-2902
Houchin	Brad	Patriot Environmental	(805) 234-3523
Hough	Trevor	Applied Earthworks	(949) 742-1894
Houston	Ken	Global Security	(405) 250-1882
Hubbard	David	UC SB	(805) 698-1119
Huber	Brian	Ca Fish & Wildlife	(805) 861-0843
Hutchinson	Dan	AECOM	(805) 431-1229
Ikemoto	Jennifer	Ca Fish & Wildlife	(916) 201-8010
Ikerd	Ike	Clean Seas	(805) 455-5500
Imai	Randy	OSPR	(916) 826-5271
Ingamells	Matt	Stantec	(805) 701-0245
Isha	Luhui	Wishtoyo	(805) 729-7692
Ishikawa	Cynthia	US DOT	(909) 937-7229
Ives	Genelle	SB Co	(949) 677-4129
Jacobs	Todd	NOAA	(805) 455-1981
Jacoby	James	Plains	(562) 305-2406
Jain	Ajit	Plains	(281) 382-8568
Janousek	Matt	Plains	(805) 320-4592
Jaques	Deborah	CDFW	(503) 298-0599
Jellison	Kyle	WOB	(954) 218-4935
Jennings	Kathleen	OSPR	(707) 372-0103
Jernigan	Kathleen	Applied Earthworks	(559) 392-5840
Joab	Bruce	Ca Fish & Wildlife	(916) 826-0166
John	Joseph	FEMA	(202) 815-7541
Johnsen	Jeff	Stantec	(630) 991-0211
Johnson	Stephanie	US Fish & Wildlife	(310) 743-5849

Johnson	Cordell	USGS	(530) 906-3959
Johnson	Curt	WOB	(774) 238-2660
Johnson	Bryan	WCES	(828) 407-3033
Johnson	Ashley	Coast Guard	(906) 373-9499
Johnson	Amanda	Ca Fish & Wildlife	(916) 539-8040
Johnson	Cathy	US Fish & Wildlife	(916) 622-3163
Johnson	Kenneth	Plains	(918) 285-6236
Johnston	Jason	SB Co Public Health	(805) 315-5805
Johnston	Stewart	SB Co CEO	(805) 680-7637
Jones	Hank	Plains	(405) 659-7887
Jones	Steve	Special Tech Lab	(805) 403-5603
Jones	Kevin	SB Co FD	(805) 717-2332
Jude	Jason	Pace Analytical	(916) 591-9177
Jung	Mike	Arcadis	(626) 658-1104
Katchmar	Peter	US DOT	(303) 807-8458
Kellar	Nick	NOAA	(760) 402-6444
Keller	Tyler	Plains	(307) 262-1421
Kelly	Sean	Ca Fish & Wildlife	(707) 322-2176
Kelly	Tami	Plains	(925) 640-9997
Kennedy	Douglas	Plains	(713) 376-5375
Kennedy	Kirsten	Plains	(832) 993-5264
Kiatos	Jim	OSPR	(562) 343-8363
Kimura	Scott	OSPR	(805) 550-1449
King	Erik	Coast Guard	(607) 341-3331
Kinsella	Kevin	Coast Guard	(610) 217-7846
Kinsella	Ashlee	SB Co	(805) 568-2639
Kippes	Lanny	Plains	(562) 221-4510
Kirchner	Michael	Ca Fish & Wildlife	(831) 901-6369
Kirkwood	Neil	SB Co	(805) 331-3836
Kivenson	Veronika	UC SB	(646) 385-3626
Klaib	Jennifer	Stantec	(805) 704-8036
Klasing	Susan	CA OE	(916) 247-2677
Klein	Brad	Plains	(432) 413-8093
Klein-Rothschild	Susan	SB Co	(805) 896-1057
Kliethermes	Derek	CTEH	(573) 673-3183
Klingenberg	John	Coast Guard	(808) 295-8961
Kluge	Christine	OSPR	(916) 445-9326
Koenig	Rob	Plains	(281) 814-7627
Kofron	Chris	US Fish & Wildlife	(805) 766-3251
Kong	Corey	Ca Fish & Wildlife	(562) 477-7081
Kontos	Michael	Plains	(213) 663-9784
Kossoff	George	SB Co	(805) 896-2224

Kownacki	Alexa	NOAA	(858) 761-7424
Kuhlman	Chris	CTEH	(501) 247-3871
Kushner	David	US Dept Interior	(805) 259-6806
Kushnerov	Valerie	City of Goleta	(805) 689-8044
Lacanlale	Joe	Coast Guard	(206) 484-2870
LaDuke	Yvette	Ca OES	(714) 330-1026
Laiblin	Eric	Plains	(661) 910-4014
LaMoria	Brian	Coast Guard	(443) 834-6302
Lang	Alfred	Ca Trans	(805) 459-2271
Lankenau	Doug	OSPR	(415) 710-0243
Lapiers	Spencer	UP RR	(714) 321-5413
Larson	Terry	US DOT	(303) 513-7026
Larson	Dane	SB Co	(805) 680-5444
Lavin-Jones	Joy	OSPR	(916) 616-0355
Law	Stephanie	Plains	(281) 630-7726
Lawrence	Kyle	CTEH	(501) 366-2698
Leaon	Sharron	Ca Volunteers	(916) 834-0846
Leaver	Robert	SB Co IT	(805) 636-3715
Leavitt	Andrew	Arcadis	(401) 829-6628
Lebow	Clayton	Applied Earthworks	(805) 895-2958
LeClair	Mark	Ca State Lands Com	(562) 590-5453
Ledig	David	BLM	(831) 630-5006
Leggett	Chris	IEC	(603) 892-1064
Lehr	Kathryn	AECOM	(805) 366-2747
Leifer	Ira	BRI	(805) 252-3636
Leighton	Jennifer	Padre	(805) 644-2220
Leinweber	Jody	Coast Guard	(210) 317-9104
Lemkau	Karin	UC SB	(937) 681-0315
Lent	Dan	OSPR	(510) 220-4192
Leone	Brad	Plains	(281) 806-9911
Letter	Chris	Padre	(847) 656-6654
Liberts	Stacy	SB Co	(805) 451-8468
Lichtenstein	Bob	Applied Earthworks	(909) 263-7687
Lindsey	Teresa	CTEH	(501) 858-8805
Lipton	Scott	OSPR	(916) 798-5087
Little	Annie	US Fish & Wildlife	(760) 522-2567
Lloyd	Jay	Applied Earthworks	(559) 287-2137
Lohse	Dave	UC SB	(831) 459-1449
Long	Lloyd	CTEH	(501) 258-7139
Lopez	Scott	Universal Staffing	(661) 829-9633
Lorenson	Tom	USGS	(650) 642-5627
Lowe	Ron	Plains	(661) 978-4908

Loyst	Dennis	City of Goleta	(805) 962-0763
Lulejian	Jerry	SB Co DA	(805) 709-2631
lunkins	Ken	NOAA	(530) 210-6936
Lyons	Ben	Coast Guard	(508) 272-7788
Lyons	David	Ca Fish & Wildlife	(562) 666-5039
MacArthur	Jon	WOB	(623) 229-8875
Macaulay	Jeremiah	SoCal Ship Services	(310) 613-2499
MacFadyen	Amoreena	NOAA	(206) 849-9953
Machado	Raymundo	Patriot Environmental	(310) 567-5655
Mack	Becky	OSPR	(916) 216-1303
Mackey	Jerry	Plains	(918) 285-0416
Macphee	Walt	CTEH	(501) 276-9016
Magdasy	Bret	CTEH	(206) 841-0846
Mahoney	Lourdes	CTEH	(813) 391-4657
Majel	Lucia	COCC	(951) 514-9789
Maki	Mary	Applied Earthworks	(805) 494-4309
Maldonado	Danny	CTEH	(281) 900-9712
March	Steve	Plains	(661) 343-5372
Marek	Jenny	US Fish & Wildlife	(805) 402-6612
Marn	Carolyn	US Fish & Wildlife	(916) 798-7959
Martin	Karen	Pepperdine Univ	(310) 713-4808
Martin	Shaun	Native Energy	(561) 654-5583
Martin	Gene	Native Energy	(564) 714-0519
Martin	Jacob	US Fish & Wildlife	(805) 612-2786
Martin	Steve	CTEH	(870) 925-0086
Martinez	Juan	Plains	(661) 978-4913
Marvin	Karen	Plains	(562) 756-2575
Mati	Waiya	Wishtoyo	(805) 794-1248
Matthews	Meredith	Plains	(281) 217-0042
Maynard	Patrick	Ventura Co OES	(805) 797-3623
McCaleb	Mark	OSPR	(707) 416-6706
McCarthy	Glenn	West Coast Enviro	(714) 234-0999
McCarthy	Whitney	SB Co	(805) 568-2659
McCarthy	Olivia	CTEH	(908) 303-0019
McCaw	Paul	SB EHS	(805) 896-6344
Mcclain-Vanderpool	Lisa	EPA	(303) 501-4027
McClellan	Sheridan	Coast Guard	(860) 326-4334
McCleneghan	Kim	OSPR	(916) 956-6603
McClure	Bill	Global Security	(405) 850-2898
McClure	Mark	LK Mizota & Assoc	(805) 452-2405
Mccrory	Jim	Aspen Helicopter	(805) 402-2902
McGlinchey	Yolanda	SB City	(805) 331-2414

Mcgowan	Kevin	Ventura Co OES	(805) 797-6450
McKinney	Tyson	Ca DOGGR	(805) 440-7280
McLane	Tom	Plains	(832) 584-3314
Mclaughlin	Charles	Cleanseas	(805) 985-5416
McMichael	Rick	Plains	(713) 254-5385
McMorran	Robert	US Fish & Wildlife	(951) 532-5904
McVay	Brad	SB Co Sheriff	(805) 617-5735
Mears	Glen	Plains	(661) 204-8749
Meer	Dan	US EPA	(415) 971-6792
Melero	Martin	Murphy Electric	(805) 965-0313
Mello	Joe	Ca Fish & Wildlife	(209) 595-5504
Merrick	Dustin	Applied Earthworks	(805) 458-8714
Meyer	Buffy	NOAA	(225) 328-5178
Michel	Jacqueline	NOAA	(803) 513-5650
Miguel	Edwin	SB Locksmiths	(805) 451-3918
Mikes	Tina	OMI	(832) 347-0071
Milbury	Jim	NOAA	(310) 245-7114
Miles	Scott	LSU	(225) 936-5261
Millard	Hollis	C-K Associates	(281) 684-3433
Miller	Jennifer	BCFS	(309) 370-1946
Miller	Pat	SB Co	(619) 203-3008
Millner	Christine	CTEH	(501) 258-0915
Milstein	Eric	OSPR	(916) 206-1078
Milton	Brian	EPA START	(510) 332-4439
Minarich	Damon	Stantec	(916) 826-4018
Mitchell	Fred	Ponder	(707) 301-1823
Mizota	Louise	LK Mizota & Assoc	(805) 252-6427
Mobley	Chris	NOAA	(805) 259-6540
Modugno	Andrew	Stantec	(805) 422-1450
Moe	Sean	Ca Fish & Wildlife	(619) 322-3989
Mogharabi	Nahal	US EPA	(213) 514-4361
Mohos	Joseph	NRDA	(818) 601-3024
Molon		COCC	(805) 722-7389
Monahan	Eileeen	SB Co	(805) 451-8720
Mooney	Dan	OSHA	(925) 202-7485
Moore	Kelly	SB Co Sheriff	(805) 689-9629
Morabito	Robert	Pacific Patroleum	(805) 878-2675
Morey	Mark	US DOE	(805) 698-8244
Morgan	Mike	Plains	(601) 467-1621
Moriarty	Sean	Stantec	(207) 504-7280
Morris	Brett	Ca State AG	(510) 725-2052
Morrissette	Eric	US Fish & Wildlife	(760) 271-5443

Moser	Trevor	Coast Guard	(808) 640-1844
Mosley	Dave	Patriot Environmental	(661) 340-7177
Moss	Melissa	BCFS	(715) 570-8670
Mostellar	Sally	CTEH	(805) 451-0045
Muftah	Osama	SB Co	(805) 568-2543
Mullen	Marc	WOB	(360) 540-0306
Mulligan	David, J	PHMSA	(720) 431-5003
Munns	Ann	Applied Earthworks	(805) 451-5825
MUNOZ	JOSE	Continental	(805) 403-3720
Munoz Pena	Joel	OC&C	(562) 824-6151
Murphy	Don	WOB	(516) 996-7348
Murphy	Cindy	OSPR	(916) 616-4515
Murray	Matt	SB Co	(805) 452-3802
Musante	Jason	US EPA	(213) 479-2120
Muskat	Judd	OSPR	(916) 216-1301
Myers	Christopher	EPA START	(720) 837-0690
Myers	Douglas	Plains	(917) 750-1464
Navarro	Christina	Applied Earthworks	(661) 487-7277
Navarro	Ray	SB Co FD	(805) 896-6403
Nelson	Don	Ca Fish & Wildlife	(626) 629-9096
Nelson	Jack	ACTI	(714) 869-4534
Nepote	John-Paul	Plains	(925) 765-3177
Nesheim	Jacob	NL INC	(805) 450-0842
Neubert	Pamela	Stantec	(617) 366-9032
Newcomb	Michelle	Applied Earthworks	(805) 757-8820
Newkirk	Andy	City of Goleta	(603) 969-1482
Nguyen	Stephanie	NRC	(512) 228-5727
Nguyen	Chinh	Plains	(832) 387-8776
Nguyen	Sheryl	Plains	(832) 623-1358
Nguyen	Phillip	US DOT	(909) 615-0792
Nguyen	Nghia	Ca Volunteers	(916) 254-9884
Nicchitta	Andrew	Padre	(626) 818-2421
Nichols	Keith	C-K Associates	(225) 252-6526
Nisich	Terri	SB Co	(805) 450-8296
Nocerino	Eric	Applied Earthworks	(720) 883-6507
Nocker	Nicolas	SB Co	(805) 637-1970
Norris	Wyn	OMI	(281) 795-5767
Norris	Anastasia	OSPR	(310) 310-9917
Norton	Walt	Plains	(601) 596-6317
Nosbaum	Mike	WOB	(707) 601-6892
Oaks	Steve	SB Co FD	(805) 451-6801
O'Gorman	Mary	SB Co Supervisor	(805) 568-2191

O'Grady	Shawn	SB Co Sheriff	(805) 331-8442
Olmstead	Brian	SB Co Sheriff	(805) 452-7756
Olson	Mark	Plains	(281) 435-4957
Ormonde	Scott	Pacific Petroleum	(805) 260-7889
Orr	Daniel	OSPR	(916) 599-1381
Ortega	Marcos	Ca State Parks	(805) 331-4144
Osborne	Bob	Plains	(661) 979-7003
Osterlund	Steve	WGR	(310) 628-1096
Ostrowski	Henry	NOAA	(805) 387-0905
Oubre	Michael	Coast Guard	(757) 567-7503
Panasiuk	James	CTEH	(501) 952-3972
Pantoja	Mark	EPA START	(415) 238-7763
Parker	Jim	ISS	(903) 520-8773
Parker	Kelly	Coast Guard	(907) 654-4112
Parks	Jeffrey	Coast Guard	(619) 246-6371
Parsonsfield	Avrey	UC SB	(805) 453-1337
Passalacqua	David	Ponder	(707) 303-4328
Patino	Juan David	USCG	(251) 751-9820
Patterson	Donald	SB OEM	(805) 696-1191
Paulson	Levi	Plains	(701) 449-6956
Pavel	Kai	Stantec	(805) 648-1499
Pawson	Kevin	Patriot Environmental	(310) 413-1829
Peak	Jessica	SB Co	(805) 234-2337
Peirce	Kayce	CTEH	(501) 353-5286
Pelato	Nelson	CHF	(805) 693-9320
Peljhan	Marko	BRI	(805) 705-1385
Peltier	Guy	Plains	(281) 217-0012
Perez	Hector	Ponder	(707) 365-2481
Perez	Silvano	NL IMC	(805) 450-0842
Perez	Vince	Coast Guard	(843) 209-0046
Perkns	Mike	SB CO SHERIFF	(805) 895-1657
Permut	Melissa	Veg-land Inc	(714) 356-0571
Peterson	Robert	Applied Earthworks	(805) 588-2364
Phillips	Jeff	US Fish & Wildlife	(415) 652-6502
Pimienta	Sandra	Stantec	(916) 717-0316
Plastino	Rob	SB Co Sheriff	(805) 896-2394
Plaza	Matt	Ca Fish & Wildlife	(831) 601-3604
Poch	Ben	ISS	(318) 218-6888
Poley	Jason	SB Co	(805) 896-1534
Polish	Rachel	Coast Guard	(415) 713-7224
Polos	Marguerite	SB City	(805) 689-8985
Pond	Rachel	CSUF	(650) 804-6482

Ponder	Jim	Ponder	(707) 333-6260
Pope	Allison	Coast Guard	(785) 766-1098
Posekian	Keith	Stantec	(805) 338-5650
Postolu	Nikki	WOB	(323) 363-1603
Poulter	Simon	Stantec	(805) 701-1581
Price	Dave	Ca Fish & Wildlife	(707) 322-6681
Pritchett	Daniel	SB Co FD	(805) 680-7512
Pryor	Rachel	NOAA	(206) 379-2454
Quarterman	Vossey	Worley	(985) 237-9277
Race	Steve	Plains	(818) 400-9802
Race	Mike	Plains	(818) 631-8094
Radcliff	Keith	ISS	(903) 721-5030
Ramirez	Robert	Plains	(562) 577-9941
Rasmussen	Jan	SB Co Exec Office	(707) 342-0937
Reczek	Yavonne	BCFS	(210) 749-8062
Reczek	Yavette	BCFS	(386) 756-0436
Redford	Kevin	Plains	(562) 216-3153
Reese	Michael	NRC	(516) 982-5752
Reilly	David	NOAA	(562) 254-1055
Reitherman	Bruce	SB Co Energy	(805) 959-4680
Rejzek	Tom	SB Co Public Health	(805) 896-6348
Rendon	Ruben	Plains	(562) 843-3560
Retallack	Alexia	OSPR	(916) 952-3317
Reyes	Jason	Aerotek	(310) 663-3775
Reyes	Adam	OSPR	(916) 869-5116
Reyes-Martin	Luz	City of Goleta	(714) 501-7158
Rhodes	Dale	CTEH	(360) 595-7718
Richards	Daniel	Tenera	(805) 794-5762
Riddle	Ryan	SB CO Fire Dept	(805) 453-2617
Riedel	Jim	NRC	(206) 550-0648
Rihani	Michael	Plains	(281) 658-9704
Rivera	Julio	Plains	(713) 449-1536
Rizer	Cassandra	Plains	(310) 755-1216
Roberts	Mia	OSPR	(661) 361-6256
Roberts	StephAnnie	Stantec	(805) 427-4873
Robinson	Tiana	Stantec	(519) 505-3438
Robinson	Breanna	Coast Guard	(707) 536-7838
Rockabrand	Ryan	SB OEM	(805) 330-5080
Rodriguez	Ryan	Ca Fish & Wildlife	(408) 210-3882
Rodriguez	J.Rudy	Plains	(562) 833-6684
Rodriguez	Sal	Plains	(925) 349-8269
Rogers	Richard	Ca Fish & Game Comm	(805) 455-2944

Rogow	Michelle	US EPA	(415) 595-8347
Romero	Gilbert	CHF	(805) 325-3043
Romero	Amado	Applied Earthworks	(805) 680-6949
Romero	Freddie	SYCM	(805) 688-7997
Romo	Ben	SB Co	(805) 680-7623
Root	Mary	US Fish & Wildlife	(805) 646-4748
Root	Roger	US Fish & Wildlife	(805) 701-5754
Rosenberg	Dennis	Ca Fish & Wildlife	(805) 814-4183
Ross	Shaun	Coast Guard	(415) 720-4166
Royal	Chris	Coast Guard	(906) 322-6455
Ruder	Mark	Plains	(661) 910-4105
Rudley	Mike	Patriot Environmental	(562) 244-2270
Ruellle	Danielle	Coast Guard	(781) 307-6640
Rugaard	Karen	Plains	(281) 216-8347
Russell	Evan	Coast Guard	(251) 635-2235
Ryman	Dana	CTEH	(409) 692-0387
Sanchez	Carlos	NRC	(510) 915-4052
Sanchez	Martin	Ca Trans	(805) 441-5188
Sandoval	Carmen	SYCM	(805) 325-1368
Sanford	Gary	Plains	(713) 534-7150
Santonil	Malinda	OSPR	(562) 499-9699
Santoyo	Cele	SB Co	(805) 896-2918
Santy	Jenna	Applied Earthworks	(858) 774-6956
Sawant	Anuya	Stantec	(805) 341-9514
Schaefer	Joe	US EPA	(609) 865-8111
Scherer	Nora	NOAA	(651) 491-1565
Scherz	Andrew	CTEH	(501) 258-7077
Schmid	Michael	SB Co	(805) 218-4812
Schommer	Mike	OSPR	(707) 416-1141
Schooler	Nick	OSPR	(805) 570-4850
Schwarz	Shawn	Plains	(562) 519-9894
Scotka	Danelle	Plains	(281) 513-1787
Scott	Walter	Ca State Lands Com	(323) 633-3703
Scranton	Tom	Patriot Environmental	(702) 501-7020
Scranton	Alex	Patriot Environmental	(818) 442-2890
Seay	Stephanie	Padre	(805) 674-7588
Sehlinger	Trent	WOB	(504) 382-3503
Seitz	Bob	Patriot Environmental	(480) 438-1614
Selby	Chase	CTEH	(501) 515-2774
Senner	Bill	Plains	(562) 221-8211
Settle	Ashley	Plains	(904) 629-0805
Shadkamyan	Amy	UC SB	(805) 448-2189

Shafer	Allen	Plains	(307) 259-1289
Sharber	Dakota	Stantec	(714) 717-4828
Sharber	Dustin	Stantec	(949) 351-0800
Sheaff	Jessica	SB Co	(805) 406-0116
Shestag	Carol	Stantec	(805) 509-0377
Shiraishi	David	OSHA	(510) 410-9414
Shorr	Ben	NOAA	(206) 280-5336
Shuman	Craig	Ca Fish & Wildlife	(916) 215-9694
Shypkoski	Ed	Plains	(701) 590-1254
Sides	Mark	Plains	(281) 793-5179
Siemann	Taylor	Patriot Environmental	(805) 679-3297
Simmons	David	US Fish & Wildlife	(805) 665-8029
Simmons	Matt	Clean Seas	(954) 232-2968
Sironen	Heather	OSPR	(916) 730-9992
Skelton	Scott	CTEH	(501) 952-9621
Slaman	Joe	Plains	(562) 254-3497
Slater	Darell	SB Lockmiths	(805) 963-3333
Slayman	Jennifer	SB Co	(805) 680-3507
Smith	James	Coast Guard	(251) 644-1785
Smith	Eben	Coast Guard	(503) 367-2066
Smith	Brent	Plains	(713) 540-1397
Smith	Phil	Plains	(713) 851-1765
Smith	Larry	Ship Services	(805) 233-0875
Smith	Matt	SB Co	(805) 346-7398
Smith	Stacie	NOAA	(805) 570-5166
Smith	Marty	WOB	(808) 673-0541
Smith	Nicki	OSPR	(916) 849-0518
Snavely	Stephen	OSPR	(916) 327-2297
Sodusta	Jaime	SB Co	(805) 705-1341
Spear	Kristen	Kelly Services	(805) 501-0363
Spratt	Ashley	US Fish & Wildlife	(573) 356-5593
Springs	Damien	WGRSW	(818) 524-0424
Spurlin	Sharon	Plains	(281) 455-2084
Stagno	Jason	Stantec	(805) 630-8648
Stahl	Shane	Ca Fish & Wildlife	(916) 340-4123
Standley	William	US Fish & Wildlife	(805) 644-1766
Stanley	Lindsey	Ca OES	(805) 452-0070
Stanton	Beckye	CA Fish & Wildlife	(916) 216-6299
Stewart	Ben	OSPR	(562) 343-6787
Stewart	Joe	OSPR	(916) 205-8661
Stifel	Este	US BLM	(703) 424-0802
Storrer	John	SB Co Energy	(805) 689-5982

Stout	Jordan	NOAA	(206) 321-3320
Strauch	Slade	Plains	(281) 217-2584
Strieter	Dale	Patriot	(562) 244-2204
Struble	George	Ca Fish & Wildlife	(818) 968-1087
Stultz	Dale	OSPR	(530) 768-4767
Su	Wendy	US EPA	(415) 947-4554
Sugarman	Susan	Ca Fish & Wildlife	(916) 215-8284
Sullivan	Laurie	NOAA	(707) 320-7232
Sullivan	Brett	Padre	(805) 801-7651
Summerfield	Scott	SB Co	(510) 714-4470
Syre	Chris	Ca Fish & Wildlife	(562) 522-2950
Tai	Suu-Va	Ca Volunteers	(414) 425-1514
Tamargo	Tim	Coast Guard	(409) 370-7400
Taylor	Rick	Plains	(562) 577-7007
Taylor	Joe	Plains	(661) 246-8598
Taylor	Sharon	Ponder	(707) 718-6580
Taylor	Rob	Plains	(918) 285-1170
Tejada	Barbara	CSP	(661) 435-3372
Thixton	Chris	Ca Fish & Wildlife	(562) 233-7095
Thom	Bryan	NOAA	(410) 937-7403
Thomas	George	Stantec	(805) 276-4885
Thompson	John	Coast Guard	(562) 481-9593
Thompson	Eric	NOAA	(805) 910-9707
Thornton	Carl	SB Co	(805) 207-3653
Tivey	Dennis	Co SB Social Serv	(805) 689-8055
Tobias	Rod	Weston Solutions	(818) 807-0667
Todd	Ryan	Ca Fish & Wildlife	(916) 698-0036
Toney	Joe	SB Co Exec Office	(509) 251-8393
Topliffe	Carrie	SB Co	(805) 570-6970
Torres	Sonia	OSPR	(562) 370-6794
Toufar	Dana	FEMA	(202) 440-2396
Touth	Jane	US Dept Interior	(805) 320-3170
Trego	Marisa	NOAA	(650) 888-8609
Trevino	Linda	BCM	(805) 264-0542
Troy	Bob	SB OEM	(805) 883-8036
Tryon	Thea	CCWB	(805) 542-4776
Tumamait	Julie	BVBMI	(805) 646-6214
Turner	Keith	Plains	(562) 216-3281
Turner	Adam	Plains	(661) 910-8729
Unzueta	Gil	Applied Earthworks	(805) 807-7179
Valentine	David	UC SB	(805) 729-5431
Valenzuela	Noe	OC&C	(562) 234-6584

Valenzuela	Troy	Plains	(713) 444-6984
Vanderwier	Julie	US Fish & Wildlife	(805) 665-7200
Velez	Patty	OSPR	(831) 649-2876
Vences	Agusten	NL INC	(805) 450-0842
Venkat	Manjunath	Stantec	(805) 358-9479
Vetters	Josh	WOB	(979) 665-6355
Victoria	Jon	Ca Fish & Wildlife	(310) 413-6533
Viezbicke	Justin	NOAA	(562) 506-4315
Viola	Sloane	OSPR	(415) 497-1950
Vollbrecht	Kevin	NOAA	(818) 929-5416
Von Der Leith	Dion	Ca State Parks	(805) 331-8022
Voss	James	NRVP	(909) 648-6313
Wada	Takashi	SB Co Health Dept	(805) 319-0474
Wageneck	Lael	SB Co	(805) 636-9204
Wagner	Nancy	Ca Fish & Wildlife	(831) 419-1459
Waldon	Maggie	US EPA	(415) 940-1109
Waters	Kris	NOAA	(805) 791-7876
Watson	Kyle	Global Diving	(206) 963-8138
Weaver	Charles	Clean Harbors	(231) 384-1347
Weaver	Jennifer	NOAA	(386) 341-6917
Weber	Michael	Stantec	(805) 477-8580
Weigand	Jim	USDI BLM	(916) 716-4809
Welch	Billy	Plains	(432) 413-9391
Wells	Anne	City of Goleta	(805) 637-4397
Welsh	Michael	NOAA	(303) 717-2866
Westervelt	Jeff	OSPR	(916) 212-1367
Wharton	Tre	C-K Associates	(225) 252-7081
Whitaker	Stephen	US Dept Interior	(949) 291-8131
White	Greg	OSPR	(805) 458-1879
White	Chris	ISS	(903) 721-9681
White	Cassandra	OSPR	(916) 508-2641
White	Jennifer	NOAA	(985) 634-9912
Whitlock	Janet	US Fish & Wildlife	(916) 769-3918
Wickes	Brian	Stantec	(415) 233-0326
Wiese	Kris	Ca Fish & Wildlife	(760) 681-6473
Wiggins	Chris	NOAA	(404) 392-6710
Wilkin	Sarah	NOAA	(240) 429-9161
Williams	Bailey	CTEH	(501) 516-9060
Williams	Nathan	CTEH	(501) 615-5882
Williams	Darren	ACTI	(661) 747-6444
Williams	Vincent	Coast Guard	(757) 567-8636
Wilson	Colby	Plains	(210) 248-4432

Wilson	Allison	Plains	(213) 925-9633
Wilson	Ken	OSPR	(805) 558-1006
Witting	David	NOAA	(562) 508-3264
Wolf	Janet	SB Co Supervisor	(805) 568-2191
Wolff	Jean-Pierre	CCWB	(805) 234-7196
Wong	Howard	LA FD Inv	(213) 725-6313
Woods	Ron	Clean Harbors	(831) 251-5107
Wright	Kelvin	WGR	(323) 952-0718
Wright	Johnny	Plains	(432) 638-6363
Wright	Rob	SB Co Sheriff	(805) 896-5371
Wrobel	Mark	Clean Seas	(310) 613-2566
Young	Matt	Co SB Planning	(805) 568-2513
Young	Rebecca	NOAA	(805) 893-6420
Young	Collen	CA Fish & Wildlife	(831) 212-7010
Yukihiro	Richard	Patriot Environmental	(562) 244-2764
Zamora	Michael	OSPR	(916) 271-6439
Zane	Jeff	Stantec	(805) 340-5768
Zavalla	Joe	CHF	(805) 245-2542
Zavlodaver	Gil	Ventura Co Sheriff	(805) 947-8054
Zellmer	Mark	Stantec	(714) 742-9131
Ziccardi	Mike	OWCN	(530) 979-7561
Zimmerman	Chelsea	Coast Guard	(707) 601-4560
Zimmerman	Daniel	Padre	(805) 235-2984
Zonana	David	Ca State AG	(510) 417-7258
Zuroski	Donn	US EPA	(415) 971-6829
Zuroski	Ray	US EPA	(650) 303-3339

1. Incident Name: Refugio Location: Ventura Decontamination Group	2. Operational Period 14 (Date / Time) From: 0600 06/07/2015 To: 0559 06/09/2015	MEDICAL PLAN ICS 206-CG

3. Medical Aid Stations

Name	Location	Contact #	Paramedics On site (Y/N)
Medical Station/Field Nurse	1375 North Olive St. Ventura, CA 93001	805-451-7277	N
Steve Martin – obtaining entry and exit vital signs on Haz-Mat workers	Ventura Harbor DCON	870-925-0086	N
Jonathon Abbey- obtaining entry and exit vital signs on Haz-Mat workers	Hueneme Wharf Plaza	661-301-4756	N
Kristin Triol- obtaining entry and exit vital signs on Haz-Mat workers	Hueneme Wharf Plaza	805-402-8212	N

4. Transportation

Ambulance Service	Address	Contact #	Paramedics On board (Y/N)
American Medical Response	616 Fitch Ave. Moorpark, CA 93021	805-517-2010	Y
Gold Coast Ambulance	200 Bernoulli Circle, Oxnard, CA 93030	805-278-8160	Y
Ventura County Fire Helicopter (hoist and water rescue capabilities)	165 Durley Ave, Camarillo, CA 93010	911	Y

5. Hospitals

Hospital Name	Address	Contact #	Travel Time		Burn Ctr?	Heli-Pad?
			Air	Ground		
Ventura County Medical Center (VCMC)	3291 Loma Vista Rd, Ventura, CA 93003	805-652-6000	5/min	15/min	No	X
Community Memorial Hospital	147 North Brent St, Ventura, CA 93003	805-652-5001	5/min	15/min	No	X
Saint John's	1600 North Rose Ave, Oxnard CA 93030	805-988-2500	5/min	15/min	No	X
Grossman Burn Center	7300 Medical Center Drive West Hills, CA	818-676-4177	1/HR	30/min	Yes	X
U.S. Health Works (Occupational Medicine)	1851 North Lombard, Suite 100, Oxnard CA	805-983-2234	N/A	15/min	No	No

6. Special Medical Emergency Procedures

1. Life threatening emergencies call 911, give location were emergency is located, notify direct supervisor ASAP.
2. Non-life/limb threatening illness or injury: notify direct supervisor and follow "medical reporting procedures" and render first aid call Medical Filed Nurse for further direction or treatment 805-451-1014
3. All illnesses and injuries will be reported on Incident Reporting Line 805-451-1014.

Essential Reporting Information for EMS Providers

1. Nature of Injury
2. Location of patient (address or geographic location) and point of contact
3. Age and Gender of patient

7. Prepared by: (Medical Unit Leader)	Date/Time	8. Reviewed by: (Safety Officer)	Date/Time
Michael Holland MD/ Melissa Moss C.M.	06/07/15	SOFR FORDHAM	6/8/15 0937

1. Incident Name: Refugio Location: Refugio Staging	2. Operational Period 14 (Date / Time) From: 06/07/2015 0600 To: 06/09/2015 0600	MEDICAL PLAN ICS 206-CG

3. Medical Aid Stations

Name	Location	Contact #	Transport Availability
Medical Station/Field Nurse	Refugio Staging 193 Refugio Road Goleta, CA 93117	805-451-0971	No
Teresa Lindsey- obtaining entry and exit vital signs on Haz-Mat workers	Culvert Site	805-896-6333	No
Chumash Fire Department EMT basic	Gaviota Coast	Gilbert Romero 805-325-3043 Nelson Palato 805-598-6586	No
Santa Barbara County Fire, water rescue, helicopter with hoist	4410 Cathedral Oaks, Santa Barbara, A	911	Yes
Montecito and Carpentaria Fire Water Rescue Team	Santa Barbara County South	911	No
Ventura Fire, Oxnard Fire, Ventura County Fire, water rescue, helicopter with hoist	Ventura County	911	No
US Coast Guard, Medi-Vac. Rescue Swimmers	1001 South Seaside, San Pedro, CA 90731	855-562-4900 510-437-3701	Yes

4. Transportation

Ambulance Service	Address	Contact #	Care Capability
American Medical Response	240 East Hwy 246 Buellton, CA 93117	805-245-3424	Paramedic/EMT team
CALSTAR 7 (air medical transport team, no hoist)	3996 Mitchell Road Santa Monica, CA 93455	805-938-9038	Advanced Practice, 2 Nurse team
Santa Barbara County Air Support (air medical transport team with hoist capabilities)	906 Airport Road Santa Ynez, CA 93460	805-692-5723 Or 911	2 Paramedic team with Rescue Swimmer
Santa Barbara County Fire Rescue, Helicopter, Medical, water rescue and dispatch center	4408 Cathedral Oaks Road Santa Barbra	805-692-5723 or 911	Paramedic
US Coast Guard	101 South Seaside Ave #20, San Pedro, CA 90731	855-562-4900 510-437-3701 VHF Channel 16	Rescue Swimmer/Medivac

5. Hospitals

Hospital Name	Address	Contact #	Travel Time		Burn Center	Helipad
			Air	Ground		
Goleta Valley Cottage Hospital	251 South Patterson Ave, Santa Barbara, CA 93111	805-967-3411	N/A	20/min		No
Grossman Burn Center	7300 Medical Center Drive West Hills CA	818-676-4177	20 min	1.25 hours	Yes	Yes
Santa Barbara Cottage Hospital	400 West Pueblo Street Santa Barbara, CA 93105	805-682-7111	8 min	27 min	No	Yes
Saint John Pleasant Valley Hospital	2309 Antonio Ave, Camarillo, CA 93010 Hyperbaric available Monday to Friday 0800-1800	(805) 389-5944	30	1 HR		

LA County Medical Alert (available 24/7)	200 UCLA Medical Plaza Suit B Los Angeles, CA 9005	1(866)940-4401	1 HR	N/A	No	Yes
UCLA Available 0800-1700	200 UCLA Medical Plaza Suit B Los Angeles, CA 9005	310-794-9014	30 min.	1 Hr	No	Yes

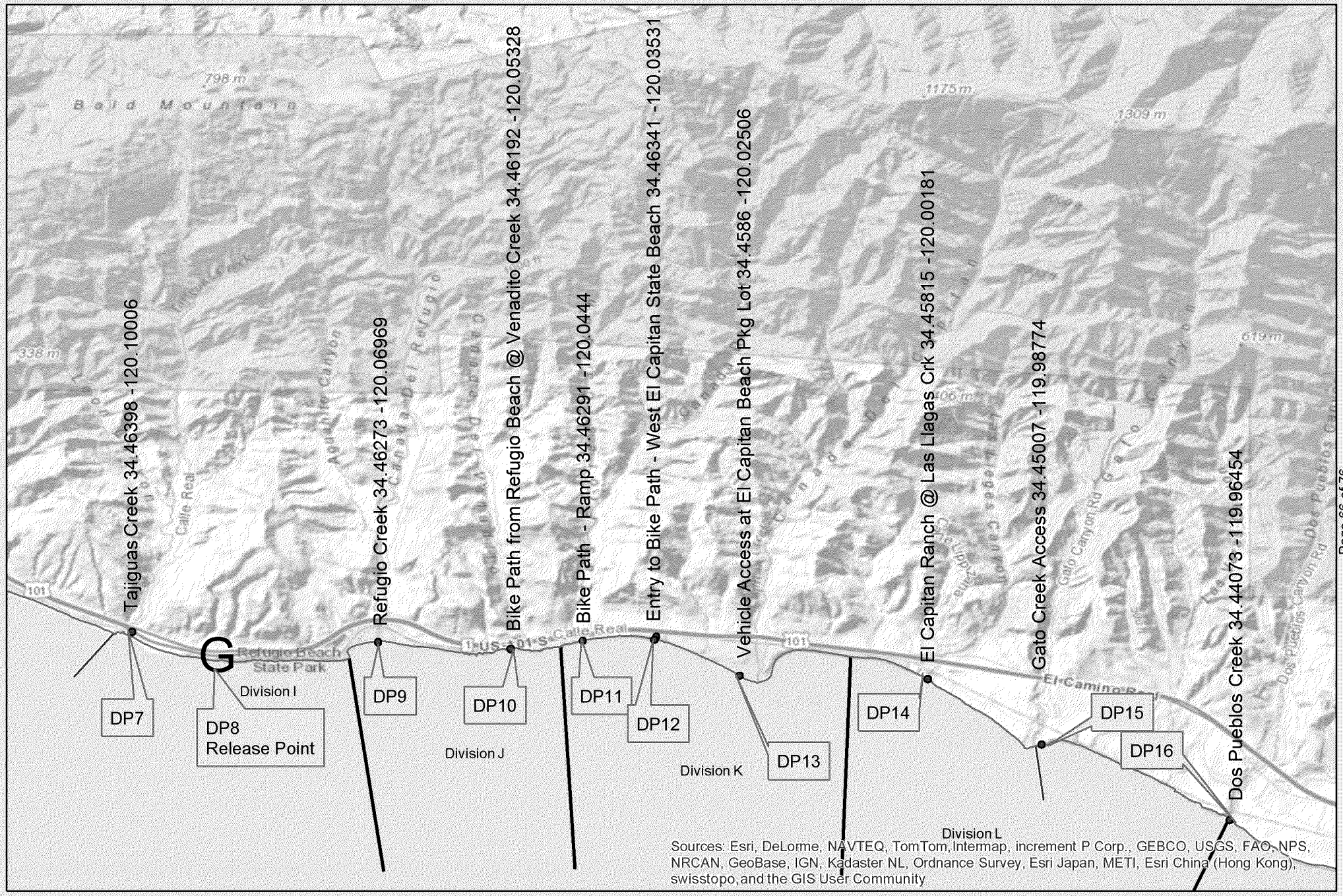
6. Special Medical Emergency Procedures

1. If medical, injury or dive emergency occurs on boat, call 911 and report location geographically where the incident is located (GPS Coordinates). 911 will dispatch appropriate emergency resources to scene.
2. Non-life/limb threatening illness or injury: notify direct supervisor and follow "medical reporting procedures" and render first aid call Medical Filed Nurse for further direction or treatment 805-451-0971. Transport by boat to nearest harbor.
3. All illnesses and injuries will be reported on Incident Reporting Line 805-451-1014.

Essential reporting information for EMS provider

1. Nature of injury
2. Location of patient and point of contact
3. Point of contact
4. Age and gender of patient

7. Prepared by: (Medical Unit Leader)	Date/Time	8. Reviewed by: (Safety Officer)	Date/Time
Michael Holland MD/ Melissa Moss C.M.	06/07/15	SOFR FORDHAM	6/8/15 0938



Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

Data Source: OSPR
Requestor: SBFD
Author: J. Muskat
Date Created: 5/25/2015

NAD_1983_California_Teale_Albers

Medical Access
Drop Point Locations

0 0.65 1.3 1.95 2.6
Miles

WEATHER FORECAST

DISCUSSION...A SHALLOW MARINE LAYER AND LIGHT SURFACE WINDS WILL CAUSE THE POSSIBILITY OF DENSE FOG TO THE INCIDENT THIS EVENING WITH FORWARD VISIBILITY OF LESS THAN 1 NM. THE DENSE FOG IS EXPECTED TO BECOME LESS WIDESPREAD AFTER MIDNIGHT. A PLUME OF MOISTURE MOVING NORTHWARD WILL ARRIVE OVER THE INCIDENT LATE TONIGHT AND BRING A CHANCE OF SHOWERS AND A SLIGHT CHANCE OF THUNDERSTORMS. THE CHANCE OF SHOWERS AND THUNDERSTORMS WILL PERSIST THROUGH TUESDAY AND INTO TUESDAY EVENING. THE RELATIVE HUMIDITY WILL REMAIN ON THE HIGH SIDE AND TEMPERATURES WILL REMAIN MILD. WINDS WILL STAY ON THE LIGHT SIDE.

TUESDAY 09JUN2015

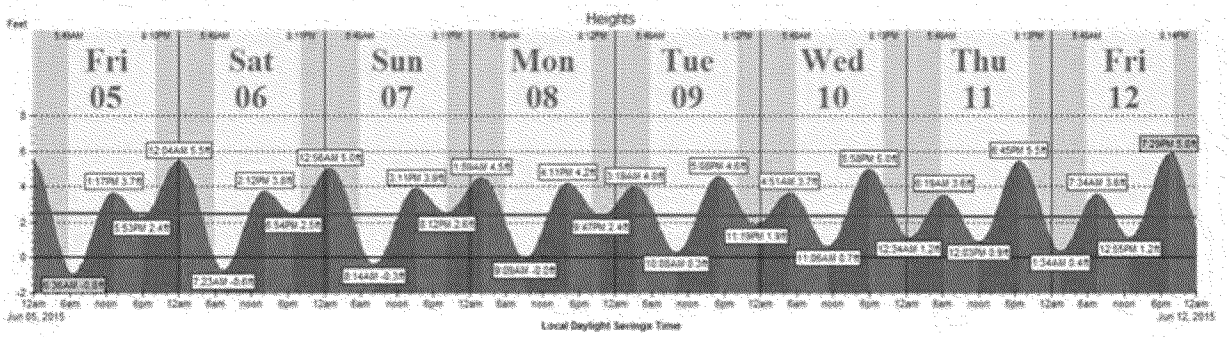
SKY/WEATHER.....PARTLY SUNNY (65-75 PERCENT). CHANCE OF RAIN
SHOWERS AND SLIGHT CHANCE OF THUNDERSTORMS.
TEMPERATURE.....MAX 71.
RH.....MIN 60 PERCENT.
WIND (20 FT).....VARIABLE 3 TO 8 MPH BECOMING SOUTHEAST 5 TO
10 MPH AFTER 9 AM...BECOMING SOUTHWEST 8 TO
15 MPH AFTER 2 PM. GUSTY AND ERRATIC WINDS
ARE POSSIBLE NEAR THUNDERSTORMS.
SWELL HEIGHT.....WEST SWELL 2-3 FEET.
SWELL PERIOD.....12 SECONDS.
WIND WAVE.....2 FEET OR LESS.

TIDES

Gaviota State Park

Tidal heights at Gaviota State Park, Santa Barbara Channel, CALIFORNIA
Station No. 461 Latitude: 34° 28.18' N Longitude: 120° 13.79' W
Based on LOS ANGELES

From: Fri Jun 05, 2015 to Fri Jun 12, 2015 (8 days) Local Daylight Savings Time



SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name: Refugio Incident	2. Operational Period: Date From: 06/07/2015 Date To: 09/07/2015 Time From: 06:00 Time To: 06:00

3. Safety Message: SCAT PPE (supersedes all previous SCAT PPE messages)

1) If SCAT teams enter a beach deemed clean of oil by OPS, the SCAT team members will wear their normal SCAT field attire with the following additional requirements:
   a) Wear high visibility vests.
   b) Stay at least 25 feet from cliff and bluff faces to avoid falling rock hazards.
   c)
2) If SCAT teams encounter an oiled beach then the PPE provisions of the Site Safety plan prevail.

Safety Phone numbers: 409-692-0387 Dana Ryman; 661-332-9164 Randy Fordham; 573-673-3183 Derek Kliethermes

4. Site Safety Plan Required? Yes X No ☐
Approved Site Safety Plan(s) Located At: Posted in EOC or contact Safety Officer

5. Prepared by: Name: Dale Rhodes Position/Title: Safety Specialist SOFR Signature: R FORDHAM

ICS 208	IAP Page 1	Date/Time: 6/7/2015 08:34

Jennifer Gold Jennifer Gold SCAT Coordinator 6/7, 8:52

SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name: Refugio Incident	2. Operational Period: Date From: 06/04/2015 Date To: 06/12/2015 Time From: 06:00 Time To: 06:00

3. Safety Message: Potential Wet Weather

Weather changes are predicted for the next week, bringing in rain showers.

- **Wet clothing can contribute to hypothermia and other problems such as skin rashes and foot fungus.**
  - **Ensure that you have the proper PPE and gear for the weather.**
- **Pathways and working surfaces may be slick during and after rain storms.**
  - **Pay extra attention to the possibility of slippery surfaces**
- **Wet pavement, it can be very slick after long dry periods.**
  - **Be extra cautious when driving in these conditions.**

Safety Phone numbers: 409-692-0387 Dana Ryman
661-332-9164 Randy Fordham
573-6733183 Derek Kliethermes

4. Site Safety Plan Required? Yes X No ☐
Approved Site Safety Plan(s) Located At: Posted in EOC or contact Safety Officer

5. Prepared by: Name: Dale Rhodes, Position/Title: Safety Specialist Signatures:

ICS 208	IAP Page 1	Date/Time: 6/4/2015 10:22

Approved 6/4/15 SOFR
Randy Fordham

SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name: Refugio Incident	2. Operational Period: Date From: 06/04/2015 Date To: No End Time From: 06:00 Time To: 06:00

3. Safety Message: Air Wash Rock and Debris Hazard

- **Beach clean-up crews are experiencing overhead falling rocks from bluffs and cliffs when helicopters approach too closely.**
  - **Helicopters must stay 400 yards or greater from bluffs and cliffs when personnel are present below.**

Safety Phone numbers: **409-692-0387 Dana Ryman**
661-332-9164 Randy Fordham
573-6733183 Derek Kliethermes

4. Site Safety Plan Required? Yes X No ☐
Approved Site Safety Plan(s) Located At: Posted in EOC or contact Safety Officer

5. Prepared by: Name: Dale Rhodes, Position/Title: Safety Specialist Signatures: [signature]

ICS 208	IAP Page 1	Date/Time: 6/4/2015 10:59

approved [signature] Randy Fordham
6/4/15

SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name: Refugio Incident	2. Operational Period: Date From: 06/05/2015 Date To: 06/05/2015 Time From: 06:00 Time To: 18:00

3. Safety Message: Bicycle Event Using Hwy 101S

Situation:

Tomorrow, Friday 6/5/2015: Bicyclists will be travelling on Hwy 101S from approximately 08:00 to 14:00. There may be additional related vehicle traffic and pedestrian onlookers.

Risks and Remediation:

- **Bicycles, pedestrians and vehicles in close proximity**
  - **Expect to see an abundance of bicycles and pedestrians when entering and using highway 101.**
  - **Take extra care to look for bicycles, pedestrians and vehicles at intersections and roadsides.**

- **Public Relations:**
  - **Please be extra courteous in traffic with bicyclists and others.**
  - **Give them room and slow down when passing.**

Safety Phone numbers: **409-692-0387 Dana Ryman**
661-332-9164 Randy Fordham
573-6733183 Derek Kliethermes

4. Site Safety Plan Required? Yes X No ☐
Approved Site Safety Plan(s) Located At: Posted in EOC or contact Safety Officer

5. Prepared by: Name: Dale Rhodes, Position/Title: Safety Specialist Signatures: Dale Rhodes

ICS 208	IAP Page 1	Date/Time: 6/4/2015 11:46

approved SOFR 6/4/15
Randy Fordham

SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name: Refugio Incident	2. Operational Period: Date From: 06/06/2015 Date To: 8/1/2015 Time From: 06:00 Time To: 18:00

3. Safety Message: Slips, Trips, Falls

Situation:

- **There has been a notable spike in slips trips and falls from workers walking on uneven surfaces on the beach and working on slippery surfaces in decon.**

Risks and Remediation:

- **When transitioning personnel through decon and plastic is placed in the decon pool, consider installing a handrail, as the surface is very slippery. In addition, decon monitors should assist persons transitioning to help prevent slips and falls.**
- **Take your time and look where you are going. Be especially careful on uneven ground, when walking on rocks or when working in slipper areas, such as decon.**
- **Don't take short cuts. Use the designated walkways.**
- **Make sure that carried objects do not obstruct your view, impair your balance or prevent you from using handrails.**
- **Mark slippery areas.**
- **Wear non-slip shoes with supportive ankle protection.**

4. Site Safety Plan Required? Yes X No ☐
Approved Site Safety Plan(s) Located At: Posted in EOC or contact Safety Officer

5. Prepared by: Name: Mary Vreeland Position/Title: Safety Specialist Signatures: [signature]

ICS 208	IAP Page 1	Date/Time: 6/4/2015 11:46

approved [signature] 6/4/15
Randy Fordham SOFR

COPY

SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name: Refugio Incident	2. Operational Period: Date From: 06/06/2015 Date To: 8/1/2015 Time From: 06:00 Time To: 18:00

3. Safety Message: Struck by

Situation:

- **Falling rocks are a significant hazard.**

Risks and Remediation:

- **Stay clear of working near cliffs, so that workers are out of the line of fire. Use existing fallen rocks as a guide.**
- **Consider wind conditions.**
- **Make sure you are wearing a hard hat.**
- **Be especially cautious if helicopters or heavy equipment are near the cliff.**

4. Site Safety Plan Required? Yes X No ☐

Approved Site Safety Plan(s) Located At: Posted in EOC or contact Safety Officer

5. Prepared by: Name: Mary Vreeland Position/Title: Safety Specialist_____ Signatures: [signature]

ICS 208	IAP Page 1	Date/Time: 6/5/2015 11:46

Approved [signature] Randy Fordham SOFR 6/5/15

Personnel Guidelines for Media and VIP Visits

The Unified Command encourages transparency in operations with information released through appropriate and approved channels.

The Unified Command considers all requests to visit the Incident Command Post. Security is notified and visits are coordinated through the Joint Information Center and the Liaison Unit, who coordinate the dates, times and itinerary, and then advise the Unified Command and units in the Incident Command Post prior to the visit occurring.

Guidelines for Media Visits:

- Media tours are conducted under escort and questions from the media handled through JIC.
- For media visits, please remove from the walls any phone numbers or sensitive information.
- Serious or critical discussions should be conducted in quiet rooms or away from media.
- If asked a question, speak to your tasks and function.
- Remember, media use directional microphones. Assume the camera is always on.
- Be courteous but cautious.

Guidelines for VIP Visits:

- VIP tours are conducted under escort and questions are fielded by the Liaison Unit.
- Serious or critical discussions should be conducted in quiet rooms or away from the VIPs.
    - Depending upon the visitor, Unified Command or the Liaison Unit may ask from Subject Matter Experts.
- If asked a question, speak to your tasks and function.
- Be courteous and helpful.

Key Bridging Messages:

- The Incident Command Post's purpose is to guide and support the field operations for the effective and efficient removal of oil from the environment.
- The Incident Command structure allows the response to expand and contract easily to meet the demands and needs of the cleanup operations.
- A Unified Command allows all of the agencies to work together and share resources.

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	DAILY MEETING
Refugio Incident	**From** 06/09/2015 06:00 **To** 06/11/2015 05:59	Ops Period 15	SCHEDULE ICS 230-CG

3. Meeting Schedule(Commonly-held meetings are included)

Date/Time	Meeting Name	Purpose	Attendees	Location
06/09/2015 06:00	Operations Briefing	Present IAP and assignments to the Supervisors/Leaders for the next Operational Period	IC/UC, Command & General Staff, Branch Directors, DOV/GRP Supv, Task Force/Strike Team Leaders and Unit Leaders	Refugio State Beach
06/09/2015 07:30	ICP Briefing	Brief ICP personnel on activities accomplished and activities planned.	ICP Personnel	Goleta ICP
06/09/2015 09:00	UC Briefing	Command and General Staff provides UC with updates.	UC, Command and General Staff	UC Meeting Room
06/09/2015 12:30	Operations Tactics Validation	Validate operations tactics for the next operational period.	OPS, PSC, SOFR, SITL, Branch Directors	Goleta ICP
06/09/2015 16:00	Media Prep	UC preparation for the Wednesday media event.	UC, PIO	UC Meeting Room
06/09/2015 17:30	Unified Command Brief	Brief Unified Command on the day's activities including SCAT.	UC, Command Staff and General Staff, SITL, EUL	Goleta ICP
06/10/2015 06:00	Operations Briefing	Present IAP and assignments to Field Supervisors	Operations Section	Refugio State Beach
06/10/2015 07:30	ICP Briefing	Brief ICP personnel on activities accomplished and activities planned.	ICP Personnel	Goleta ICP
06/10/2015 08:00	UC Objectives Meeting	Review and update objectives	Unified Command, PSC	Goleta Command Post
06/10/2015 09:00	Command and General Staff Meeting	UC provide the command and general staff with updates on objectives and receives feedback/updates from staff.	UC, Command and General Staff, SITL, EUL	Goleta ICP
06/10/2015 10:30	UC Media Event	UC Media Event	UC, PIO	Off site.
06/10/2015 12:00	Tactics Meeting	Develop/Review primary and alternate strategies to meet Incident Objectives for the next operational period.	PSC, OSC, LSC, FSC, RUL, SUL, SOFR, DOCL, COML and THSP	Goleta Command Post
06/10/2015 16:00	Planning Meeting	Review status and finalize strategies and assignments to meet Incident Objectives for the next Operational Period.	IC/UC, Command & General Staff	Goleta Command Post
06/10/2015 17:00	IAP Approval	Present the IAP to the Unified Command for approval.	IC/UC, PSC	Goleta Command Post
06/10/2015 18:00	SCAT Briefing	Brief the Unified Command on SCAT activities	Unified Command	Goleta Command Post

4. Prepared by (Situation Unit Leader)	Date / Time
Aaron Holton	06/08/2015 08:32