June 28, 2015 Daily Report

(Presenting June 27 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 28)
  - Anticipated problems and planned resolutions

- **Daily Progress Report (in lieu of Executive Summary)** (describing prior day, June 27)
  - Significant Developments
  - Work Performed
  - Disposal Information

- **CTEH Summary of Environmental Sampling Efforts** (June 26)
  - Due to the UC-approved reduction of surface water sampling frequency from daily to once per week, environmental summaries will be distributed once per week moving forward
  - Analytical Data Received June 27

- **Incident Action Plan** (Effective June 26 06:00 – July 10 05:59)
  - Schedule of Work to be Performed (Form 204)

Summary of Anticipated Problems and Resolutions

Refugio Incident

June 28, 2015

Anticipated Problems	Planned Resolutions
☐ Limited beach access due to tide level.	☐ Working on inefficiencies such as bathroom access on the beach, starting crews earlier and staggering crews.
☐ Limited beach access due to tide level.	☐ Continue with scheduling flexibility to allow work crews to adjust work location based on beach accessibility. ☐ Continue implementing the movement of cobble with buckets so it can be scraped while in high tide.
☐ Cleanup on some areas of the beach will be limited due to safety concerns.	☐ Evaluate the use of additional safety precautions in areas of concern, engineering controls, additional PPE, etc. ☐ Test new approved cleaning methods to reduce amount of time in the beach areas. New methods are dry ice blasting and cleaning by means of electric scrapers.

Incident Command Post Santa Barbara
Refugio Oil Spill
Unified In All Missions
June 27, 2015
Response Day 40

Daily Progress Report

The ICP is currently overseeing operations in Santa Barbara County. Active field operations are ongoing in Divisions I, J, and K encompassing 13.92 miles of shoreline.

Environmental

- Shoreline Cleanup Assessment Techniques (SCAT) Phase II end points have been achieved for 96% of the overall impacted shoreline. The remaining 4% is confined to Divisions I, J, and K. The attached graphic depicts detailed data about progress within those Divisions.

Shoreline Oiling Categories (miles and %) for Sections I, J, and K - Refugio Incident: 13.92 Miles											
Most Recent Survey Date	Heavy		Moderate		Light		Met Clean Up		Met Clean Up with Monitoring		Project Completion
6/26/2015	0.54	3.9%	0.70	5.0%	2.38	17.1%	7.95	57.2%	2.34	16.8%	74.0%

*Variance in totals are due to rounding

- Waste Management data

Waste Management (as of 26 June 2015)		
Material	**Estimated Daily Total Removed (cubic yards)**	**Estimated Cumulative Total Removed (cubic yards)**
Oiled Sand	0	1005
Oiled Vegetation	0	825
Oiled Debris/PPE	30	1185
Oiled Soil	348	6432
Culvert Soil	0	1790
Absorbent	15	345

Operations

- Command Objectives achieved: NSTR
- Severe weather conditions that may impact operations: NSTR
- Deviation of strategies or tactics from approved Incident Action Plan: NSTR
- Major equipment failures that impact operations: NSTR
- Change to or need for additional road closures: NSTR
- Cultural / historical impacts and/or concerns: NSTR
- Wildlife

Current as of:	TOTAL Birds			Birds Released	TOTAL Mammals		
25 June	Live	Dead	Total	**Total**	Live	Dead	Totals
Cumulative Total	57	195	252	33	62	106	168

NOTE- Wildlife Branch field recovery operations and Command Post presence have been demobilized. Care for oiled wildlife continues off-site with oversight by the Wildlife Branch Director also working remotely. Wildlife numbers will be updated in the future only to add to numbers of animals released, or if corrections to previous numbers are required based on continuing review of records.

Safety

- Work site accidents / mishaps resulting in property damage or injuries to responders beyond First Aid:
    - 10 Recordable Injuries to date related to this response.

Liaison

- Any VIP visits or political interests and concerns: NSTR
- Reports of negative stakeholder interests: NSTR
- Cultural / historical impacts and/or concerns: NSTR

Public Information

- Publication of inaccurate or unfavorable media stories: NSTR

Logistics

- Change in status for any Refugio Incident facilities: NSTR

Personnel Involved

- 508 workers are engaged in Field Operations.
- 218 personnel are assigned to the ICP and Field Support.
- 726 total personnel are assigned to the response.

1. Incident Name	2. Operational Period (Date / Time)	INCIDENT STATUS SUMMARY ICS 209-CG
Refugio incident	From: To: Time of Report 26Jun15/0600 to 10Jul15/0600 27Jun/1600	

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 #40, IAP #20
SCAT Phase II end points have been achieved for 94% of the impacted shoreline.
There are 508 personnel conducting field operations, and 218 personnel in the ICP/Field Support.
The following cumulative totals have been reported removed by waste management; 1005 cubic yards of oiled sand, 825 cubic yards of oiled vegetation, 1185 cubic yards of oiled debris/ PPE, 6432 cubic yards of oiled soil, 1790 cubic yards of culvert soil, and 345 cubic yards of absorbent material. An estimated 378 bbls of product was pumped from the pipeline prior to the repair.
All boom has been secured.
Wildlife reports (to date) 57 fowl captured, 195 fowl dead, 62 mammals captured, 106 mammals dead and 33 birds released.

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
-Keep public and stakeholders informed
-Minimize economic impacts
-Monitor care and release of oiled wildlife
-Implement decontamination and demobilization of response resources

6. Safety Status/Personnel Casualty Summary

*6/2 sprain ankle recent F/U visit on 6/23 resulted in physical therapy treatment	Since Last Report	Adjustments To Previous Op Period	Total
Responder Injury	0	0	*10
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					
Vessels			1	1	
Vehicles – Vac/Tank Truck				3	
Vehicles – Other				112	
Heavy Equipment			9		

10. Personnel Resources	
Agency	**Total # of People**
Personnel assigned to the ICP	218
Engaged in Field Operations	508
Total Personnel Resources Used From all Organizations:	726

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

	TOTAL Birds			TOTAL Mammals		
	Live	Dead	Date Totals	Live	Dead	Date Totals
Cumulative Total	57	195	252	62	106	168

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	378	
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)	0	1005	1005
Oiled vegetation (cu yd)	0	825	825
Oiled Debris/PPE (cu yd)	15	1140	1155
Oiled Soil (cu yd)	468	5616	6084
Culvert Soil	10	1780	1790
Absorbent (tons)	45	285	330
Comments:			

14. Prepared by:	Date/Time Prepared:
Ryan Andersen	27Jun2015 1600

ICS-209-CG INCIDENT STATUS SUMMARY Page _2_ of_2_ _ (Rev 06/05)

Refugio Incident
Summary of CTEH® Environmental Sampling Efforts
June 26, 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– 06/25/2015

Media	Matrix	Sample Count
Water	Surface Water	250
	Water Column	54
	Culvert/Flush Water	9
Sediment	Beach Sediment[2]	43
	Ocean Sediment[3]	15
Soil	Potential Backfill Soil/Sand	23
	Section Four Soil	49
	Trench Excavation/Section One Soil	53
	Section Two/Three Soil	8
	Background Soil	20
Petroleum	Product/Tar Ball Sample	36
	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.

[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 Organics (GRO).

1. Incident Name	2. Operational Period to be covered by IAP (Date/Time)	Operational Period	IAP
Refugio Incident	From 06/26/2015 06:00 To 07/10/2015 06:00	Ops Period 20	COVER SHEET

3. Approved by

ORG	Name
USCG	Captain J. Williams J. Williams, CAPT 6/25/15
U.S. EPA	M. Waldon M. Tw, EPA OSC 6/25/15
CAL DFW	Capt. M. Crossland Marvin T. Crossland, CAPT. 6/25/15
Plains	A. Shafer [illegible] 6-25-15
SBCOEM	~~R. Troy~~ D. Pomeroy, [illegible] 6/25/15

ORIGINAL

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 (Assignment Lists) One Copy each of any ICS 204 attachments
- ☐ ICS 205 (Communications Plan)
- ☒ ICS 206 (Medical Plan)
- ☐ ICS 208 (Site Safety Plan) or Note SSP Location — Located at CP and Staging Areas
- ☐ Map/Chart
- ☒ Weather forecast/Tides/Currents

Other Attachments

Incident Picture

4. Prepared by	Date / Time
Thomas Haug	06/25/2015 14:20

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	INCIDENT BRIEFING
Refugio Incident	From 06/26/2015 06:00 To 07/10/2015 06:00	Ops Period 20	ICS 202

3. Objective(s)

Ensure the safety of response personnel and the public.

Pending acceptable soil sample results, initiate backfill and remediation plans in Sections 1 and 4.

Continue the clean up of all open Divisions, maximizing clean up during optimal tidal periods, in accordance with the Shoreline Treatment Recommendations to meet Phase II endpoints.

Implement Section 5 actions in accordance with "Section 5 Cliff Face Area Evaluation of Potentially Feasible Remedial Options."

Protect and minimize impacts to environmental, cultural, historic and economic resources where feasible.

Continue to care for and monitor the disposition of previously captured, injured and oiled wildlife.

Continue to provide stakeholders and the community relevant information about progress of response efforts.

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

Clean to phase 2 endpoints where possible Â

Implement Decon and Demob as operations permit.

Continue to integrate local jurisdictional agencies with operations associated with Sections 1 thru 5.

Continue to emphasize safety in all operations with an emphasis on Sections 4 and 5.

Return State Parks to full use as soon as possible.

Maintain cultural/historical coordination for all operations and SCAT sign-offs.

Identify or list the segments requiring phase 3 monitoring.

Provide daily progress reports

Approved Site Safety Plan Located at the Goleta ICP Situation Status wall

Prepared by (Operations Section Chief)	Date/Time
B. Geraghty	06/25/2015 08:05

1. Incident Name	2. Operational Period (Date/Time)	Critical Information Requirements
Refugio Incident	From: 26June2015/0600 To: 10July2015/0600	ICS 202B

3. Critical Information Requirements:

A. **Work site accidents / mishaps resulting property damage or injuries to responders beyond first aid.**

B. **Major equipment failures that impact operations.**

C. **Any VIP visits or political interest and concerns.**

D. **Command Objectives achieved.**

E. **Deviation of strategies, tactics or resources from approved Incident Action Plan.**

F. **Severe weather condition which could impact Operations.**

G. **Publication of inaccurate or unfavorable media stories.**

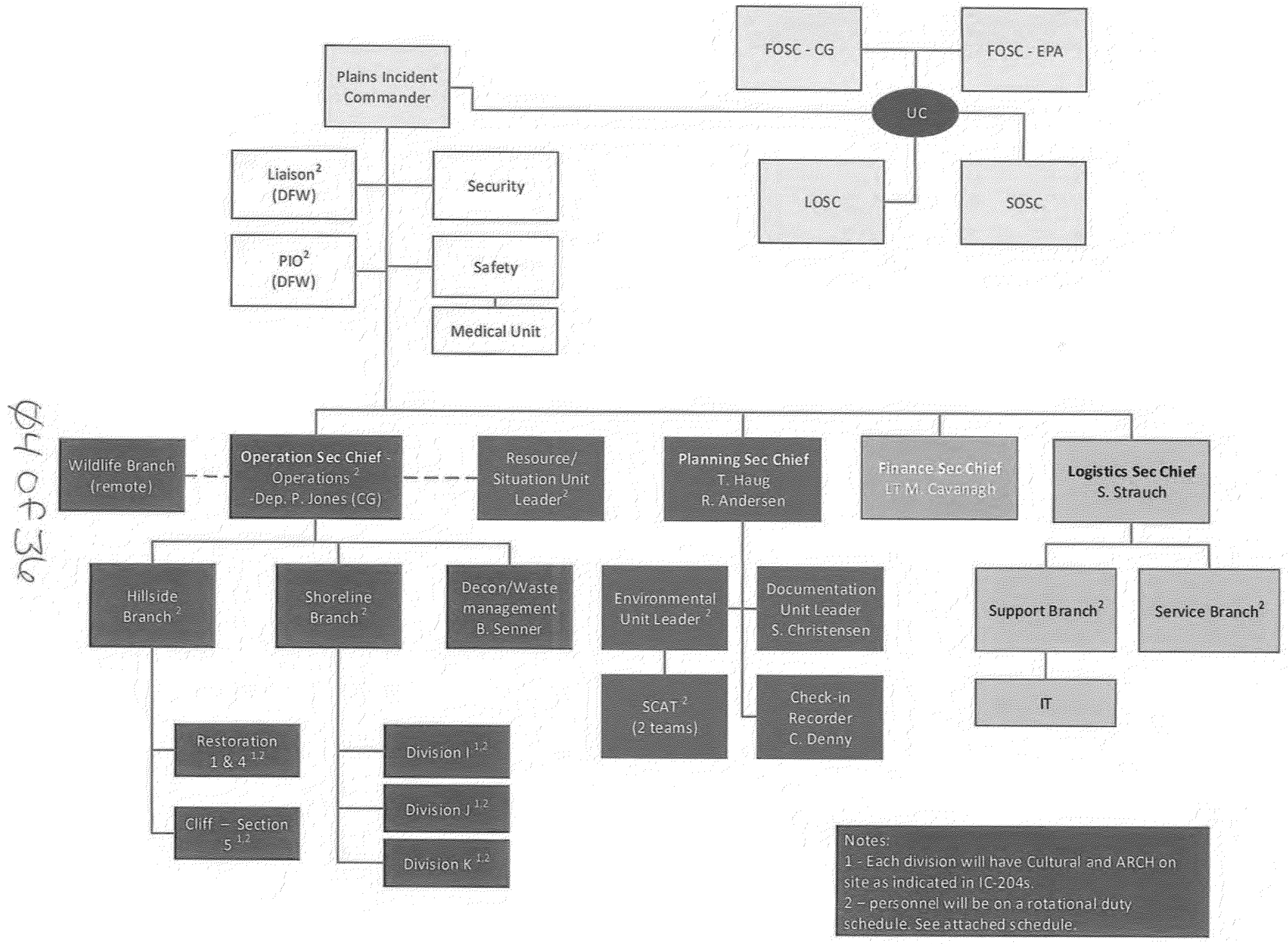
H. **Reports of negative stakeholder interests.**

I. **Cultural/historical impacts and/or concerns.**

J. **Change in status for any Refugio Incident facilities.**

K. **Change to or need for additional road closures.**

4. Prepared by: (Planning Section Chief)	Date/Time
LT Michael Oubre	**24 June 2015 / 1700**


Plains Incident Commander
FOSC - CG
FOSC - EPA
UC
LOSC
SOSC
Liaison[2] (DFW)
Security
PIO[2] (DFW)
Safety
Medical Unit
Wildlife Branch (remote)
Operation Sec Chief - Operations [2] -Dep. P. Jones (CG)
Resource/ Situation Unit Leader[2]
Planning Sec Chief T. Haug R. Andersen
Finance Sec Chief LT M. Cavanagh
Logistics Sec Chief S. Strauch
Hillside Branch [2]
Shoreline Branch [2]
Decon/Waste management B. Senner
Environmental Unit Leader [2]
Documentation Unit Leader S. Christensen
SCAT [2] (2 teams)
Check-in Recorder C. Denny
Support Branch[2]
Service Branch[2]
IT
Restoration 1 & 4 [1,2]
Cliff – Section 5 [1,2]
Division I [1,2]
Division J [1,2]
Division K [1,2]
Notes:
1 - Each division will have Cultural and ARCH on site as indicated in IC-204s.
2 – personnel will be on a rotational duty schedule. See attached schedule.

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Key:
Confirmed
Tentative
Contractor

	Last Name	First Name	Contact	Email	Role	Home Location	22-Jun	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul	27-Jul	28-Jul	Total Days
Ops Section Chief	Engstrom	Drew	307-251-6932	cengstrom@paalp.com	Ops Branch Chief	Casper, WY																																						23
	Calaway	Chad	832-298-7619	CSCalaway@paalp.com	Ops Branch Chief	Houston, TX																																						30
Ops Field Chief	Koppes	Lenny	562-221-4510	LKKoppes@paalp.com	Ops Field Chief	Long Beach, CA																																						31
	Franks	Steve	713-417-8525	SDFranks@paalp.com	Ops Field Chief	Houston, TX																																						11
	Heap	Eric	307-799-8258	ejheap@paalp.com	Ops Field Chief	Casper, WY																																						18
Div J East	Hollabaugh	Scott	918-285-1231	TDHollabaugh@paalp.com	Div J East	Cushing, OK																																						14
	Shyplaski	Ed	701-590-1256	ewshyplaski@paalp.com	Div J East	Belfield, ND																																						14
	Keller	Tyler	307-252-1421	TCKeller@paalp.com	Div J East	Casper, WY																																						14
Div J West	Rodriguez	Sal	925-349-8269	SRodriguezjr@paalp.com	Div J West	Long Beach, CA																																						15
	Heaton	Jay	951-201-1492	jayfarb@yahoo.com	Div J West	Contractor																																						12
	Paulson	Levi	701-206-0417	LMPaulson@paalp.com	Div J West	Belfield, ND																																						10
Div I	Johnson	Kenny	918-285-6276	KKJohnson@paalp.com	Division I	Cushing, OK																																						14
	Griffith	Jodi	918-285-0768	jgriffith@paalp.com	Division I	Cushing, OK																																						13
	Lee	Jodie	918-359-0811	JELee@paalp.com	Division I	Cushing, OK																																						13
Bluff	Crider	Ryan	504-453-9724	RECrider@paalp.com	Bluff Manager	Bell Chasse, LA																																						25
	Guidry	Mike	337-526-8539	mjguidry@paalp.com	Bluff Manager	Abbeville, LA																																						19
							1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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LOFR

Duty Period	Name	Office	Mobile	E-mail
6/23 - 6/29	Mr. Mike Zamora	916-322-1929	none	Michael.Zamora@wildlife.ca.gov
6/30 – 7/06	Mr. Joe Stewart	916-324-0907	916-205-8661	joe.stewart@wildlife.ca.gov
7/07 - 7/13	Ms. Cindy Murphy	916-324-6250	916-616-4515	cindy.murphy@wildlife.ca.gov
7/14 - 7/20	Mr. Steve Snavely	916-327-2297	none	Stephen.Snavely@wildlife.ca.gov

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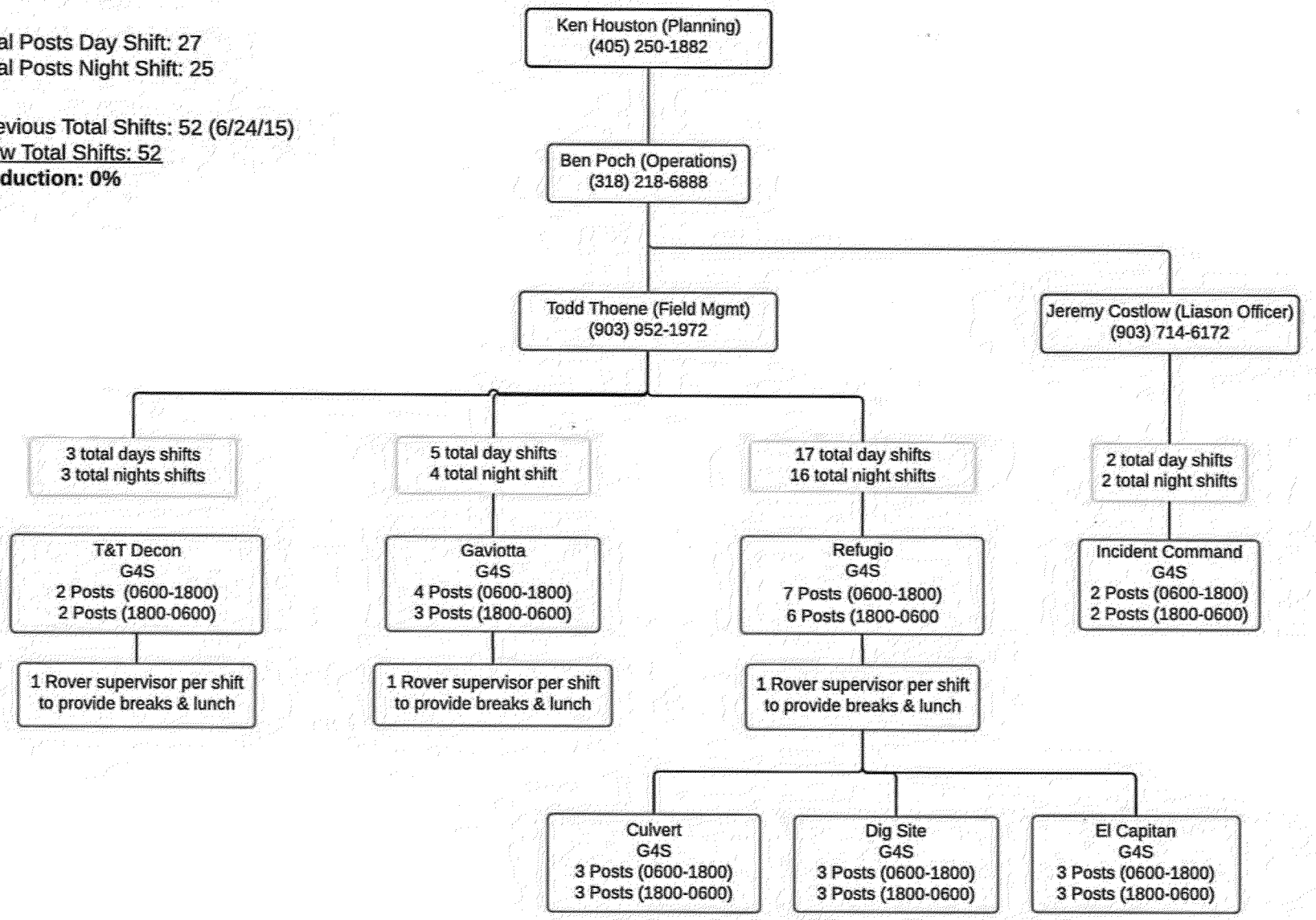
	NAME	PHONE	26-Jun	27-Jun	28-Jun	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul
SOFR	Jerry Green	432-638-3172	■	■	■	■	■	■	■	■	■	■	■				
	Art Loza	701-440-1643												■	■	■	■
ASOFR	Mark Ledesma	830-483-0365	■	■	■	■	■	■	■	■	■	■	■				
	Bo Petty	432-210-5174												■	■	■	■
Floater	Guy Peltier	281-217-0012	■	■	■	■											
	Tony Puckett	713-306-3298					■	■	■	■	■	■	■	■	■	■	■
Plains Field Safety	Lee Haslam	903-918-4360	■	■	■	■	■	■	■	■	■	■					
	Rick Taylor	562-577-7007											■	■	■	■	■
	Stacy Parker	337-385-7517	■	■	■	■	■	■									
	Rob Taylor	918-285-1170	■	■													
	John Tennesen	601-481-5314			■	■	■	■	■	■	■	■	■				
	Hank Jones	405-208-3573												■	■	■	■
3rd Party Safety	Sheldon Perry	337-452-1092	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Chris Vincent	337-654-3143	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Rustin Bruce	832-517-9097	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Mike Mallett	337-370-6584	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Placeholder							■	■	■	■	■	■	■	■	■	■

Security Org Chart - Refugio Incident
6/26/15

G4S Posts Day Shift: 27
G4S Posts Night Shift: 25

Total Posts Day Shift: 27
Total Posts Night Shift: 25

Previous Total Shifts: 52 (6/24/15)
New Total Shifts: 52
Reduction: 0%



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Environmental Unit Schedule & Contact Information for June 26-July 9, 2015

Environmental Unit Leader

Melissa Boggs 6/26-6/28
805-558-1005
Melissa.boggs@wildlife.ca.gov

Jennifer Gold 6/29-7/5
805-450-8695
Jennifer.gold@wildllife.ca.gov

Mike Connell 7/6-7/9
805-331-1867
Michael.connell@wildlife.ca.gov

SCAT Coordinator

Mike Connell 6/26-6/28
805-331-1867
Michael.connell@wildlife.ca.gov

Corey Kong 6/29-7/2
567-477-7081
Corey.kong@wildlife.ca.gov

Mia Roberts 7/3-7/7
661-361-6256
Mia.roberts@wildlife.ca.gov

Corey Kong 7/8-7/9
567-477-7081
Corey.kong@wildlife.ca.gov

SCAT Data Manager (remote)

Bryan Thom
Cell: 410-937-7403
bthom@researchplanning.com

Environmental Unit Schedule & Contact Information for June 26-July 9, 2015

GIS (remote)

Greg White 6/26-7/2
916-324-9817
Greg.white@wildlife.ca.gov
Lori (Guffy) Gustafson 7/3-7/9
916-341-6970
Lori.gustafson@wildlife.ca.gov

Cultural Tech Spec

Matt Plaza 6/26-6/28
831-601-3604
Matthew.plaza@wildlife.ca.gov

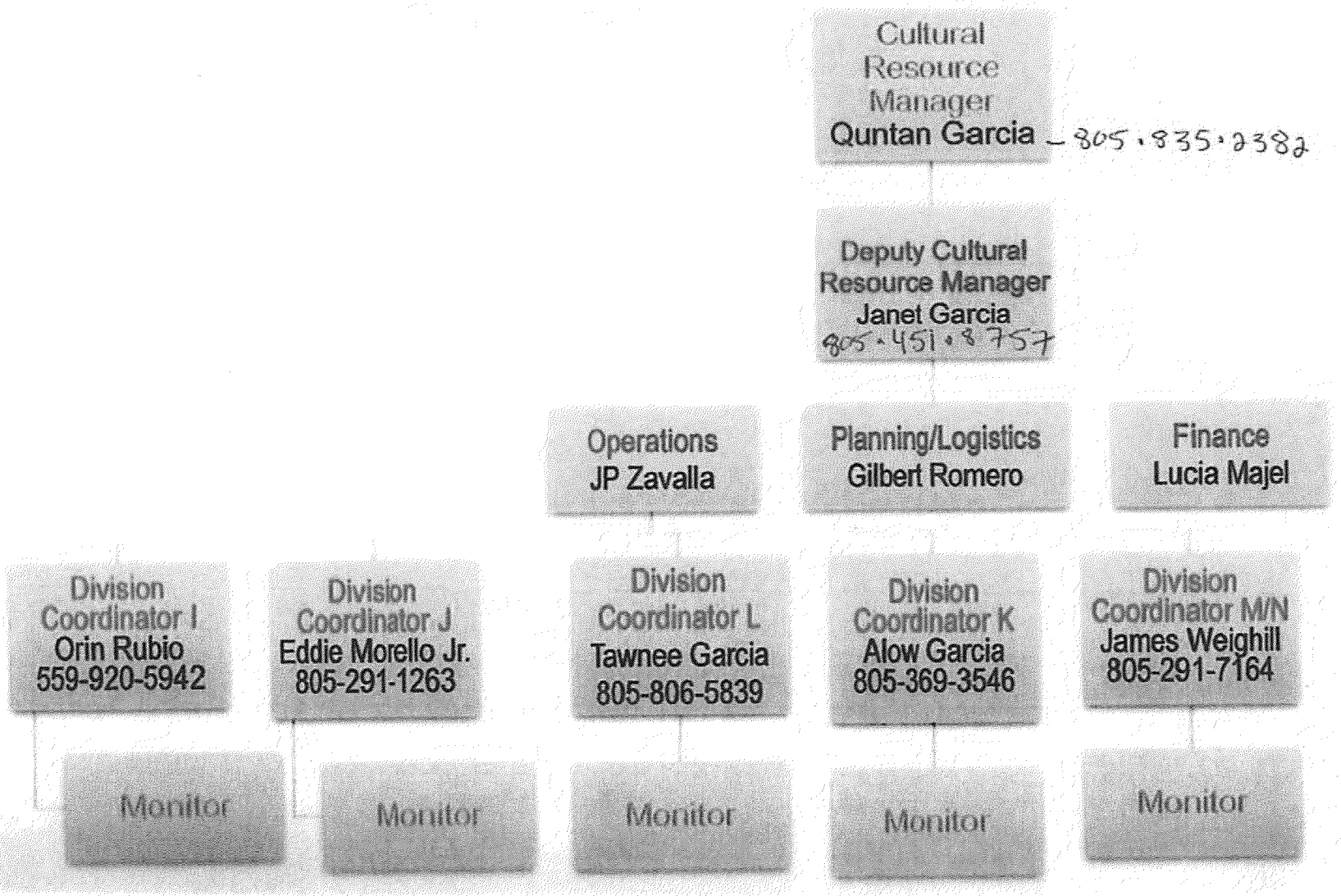
Mike Kirschner
6/29-7/6
831-901-6369
Michael.kirchner@wildlife.ca.gov

Matt Plaza 7/7-7/9

Fish Closure Tech Spec (remote)

Lori Chumney
916-956-8175
Lori.chumney@wildlife.ca.gov
6/26-7/9

Cultural Resource
Organization Chart



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						Week 7							Week 8						
			Th	F	SA	SU	M	Tu	W	Th	F	SA	SU	M	Tu	W	Th	F	SA
Last Name	**First Name**	**E-Mail**	6/25/2015	6/26/2015	6/27/2015	6/28/2015	6/29/2015	6/30/2015	7/1/2015	7/2/2015	7/3/2015	7/4/2015	7/5/2015	7/6/2015	7/7/2015	7/8/2015	7/9/2015	7/10/2015	7/11/2015
	Anya		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Fridlund	Jeff	jnfridlund@paalp.com	x																
G	Robert						x		x					x		x			
Marvin	Karen	krmarvin@paalp.com			x	x	x	x	x	x	x			x	x	x	x	x	x
Rizer	Casie	ccrizer@paalp.com	x	x				x	x	x	x	x	x						
Saavedra	Ashley	atsaavedra@paalp.com	x	x	x	x	x					x	x	x	x	x	x	x	x
Wilson	Colby	cdwilson@paalp.com	x	x						x	x	x	x	x	x	x	x	x	x
Counseller	Jeff	jmcounseller@paalp.com	x	x															
Strauch	Slade	SAStrauch2@paalp.com		x	x	x	x	x	x	x									

Key:

- Service Branch
- Support Branch
- Runner
- Section Chief
- Special Projects

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1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/26/2015 06:00 **To** 07/10/2015 06:00	Ops Period 20	**ICS 204**

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	Chad Calaway	Plains All American Pipeline	832-298-7619
Branch Director	Holly Gellerman (remote)	CA DFW OSPR	916-747-0611
Division/Group Supervisor/STAM	Mike Ziccardi/Sarah Wilkin (remote)	OWCN/NOAA	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)	Care/Processing Group - Birds	C. Fiorello	530-979-0380	4	See work assignment and special instructions	☐
1 (each)	Care/Processing Group - Mammals	J. Westberg	858-229-5639	8	See work assignment and special instructions	☐
1 (each)	Care Facility			2		☐

7. Work Assignments

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.

8. Special Instructions

Attend morning safety and planning briefing. Immediately report any injury to supervisor and complete an injury report form.

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
B. Geraghty	06/25/2015 15:00	T. Haug	06/25/2015 15:00	Chad Calaway	06/25/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/26/2015 06:00 **To** 07/10/2015 06:00	Ops Period 20	**ICS 204**

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

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Chad Calaway	Plains All American Pipeline	832-298-7619
Branch Director			
Division/Group Supervisor/STAM	Ken Houston	Global Security	405-250-1882

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 Task Force	Rob Plastino	805-268-4035	10	Sheriff, State Parks, HCP, Fish and Wildlife	X
1 (each)	SB County Sites Task Force	Keith Radcliff	903-721-5030	42	Refugio State Park, El Capitan State Park, Excavation Site, Gaviota, Las Veras	
1 (each)	Boat - CA Fish & Wildlife 58' Patrol Boat			0		
1 (each)	ICP Security	Ben Poch	318-218-6888	4	ICP	

7. Work Assignments

Prevent unauthorized persons from entering or remaining in the spill area, staging areas, and the ICP. Contact 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- Monitor fishery closure and prevent unauthorized fishing.

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)

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.

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
B. Geraghty	06/25/2015 14:00	T. Haug	06/25/2015 15:00	Chad Calaway	06/25/2015 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.

In the event a scheduled meal is not made available to your crew, report this immediately to your Branch Director and the Logistics Section Chief.

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
B. Geraghty	06/25/2015 14:00	T. Haug	06/25/2015 15:00	Chad Calaway	06/25/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	From 06/26/2015 06:00 To 07/10/2015 06:00	Ops Period 20	ICS 204

3. Branch	4. Division/Group/Staging
	Pipeline Section 1 - 4
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	OSC Rotation	Plains All American Pipeline	PAAPL chart
Branch Director			
Division/Group Supervisor/STAM	Div Rotation	Plains All American Pipeline	PAAPL chart

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 1/2/3/4 Task Force	Ryan Crider	504-214-7657	0	
1 (each)	Excavation Task Force	EPA Rep		0	
1 (each)	Crane			0	

7. Work Assignments

Excavation Task force will carry out operations to meet established endpoints.

Section 1-4 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.

Sample according to the approved Sample Confirmation Plan for Sections 1 thru 4.

Follow "Excavation Backfill and Site Restoration Plan" 6/24/15 once environmental receives satisfactory results from data analysis.

Plains Environmental Contact, Chris Lauer, 832-904-5247.

Once backfill is to the point of culvert instlallation, contact Chris Lauer prior to commencing work.

8. Special Instructions

Excavation Task Force
Safety Officers shall be present during operations
Prior to excavations archeologist shall be consulted and if there are any cultural or historic resource concerns, 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 with the waste management plan.

HAZARD MITIGATION
-All personnel operating shall wear level D (hard hats, safety toe boots, safety glasses).
-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/ENVIRONMENTAL 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

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
B. Geraghty	06/25/2015 15:00	T. Haug	06/25/2015 15:00	Chad Calaway	06/25/2015 15:00

specialist. Obtain/provide location on map by indicating latitude/longitude.

- Wildlife - Depending on depth of trench/excavation consult with ENV Unit regarding covering at night to reduce entrapment of animals and/or exposure to contaminants.

An Archaeologist will periodically spot check, but full time archaeological monitoring is not necessary. The following activities DO NOT require full time archaeological monitoring:

1. Cleaning tar balls from the beach surface.

2. Cleaning oi/tar from cobbles on the beach.

3. Cleaning oil/tar from bedrock at the back edge of the beach.

4. Cleaning oil/tar from rocks and bedrock that protrude from the beach.

Cultural protocols will remain unchanged.

(dtd 23 Jun 15)

POC to schedule/request ARCH is the following:

Clay Lebow: June 25th - June 29th (805-895-2958)

Ann Munns: June 29th - July 6th (805-451-5825)

Clay Lebow: July 6th - July 10th (805-895-2958)

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
B. Geraghty	06/25/2015 15:00	T. Haug	06/25/2015 15:00	Chad Calaway	06/25/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	From 06/26/2015 06:00 To 07/10/2015 06:00	Ops Period 20	ICS 204

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

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	Chad Calaway	Plains All American Pipeline	832-298-7619
Branch Director	Chad Calaway	Plains All American Pipeline	832-298-7619

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)	Helicopter			0	

7. Work Assignments

Section 5 debris removal

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.

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
B.Geraghty	06/25/2015 15:00	T. Haug	06/25/2015 15:00	Chad Calaway	06/25/2015 15:00

ASSIGNMENT LIST 06/25/2015 18:25 ICS 204 (Rev.10/07)

Generated by Witt O'Brien's

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	From 06/26/2015 06:00 To 07/10/2015 06:00	Ops Period 20	ICS 204

3. Branch	4. Division/Group/Staging
	Section 5
Task Force/Strike Team	**Team**

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	OSC Rotation	Plains All American Pipeline	PAAPL chart
Branch Director			
Division/Group Supervisor/STAM	Div Rotation	Plains All American Pipeline	PAAPL chart

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

Qty x Size (Unit)	Strike Team/Task Force/Resource Leader Identifier	Contact#	# Of Persons	Notes
1 (each)	Helicopter		0	
1 (each)	Spider hoe		0	
2 (each)	Pressure Washer		0	
15 (each)	Personnel		0	
1 (each)	Water pump		0	

7. Work Assignments

Excavation Task force will carry out operations to meet established endpoints.

Section 5 Task Force Shall:
-Conduct removal operations of oil and contaminated solid waste in accordance with the approved detailed Section Plan.

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

Follow "Plan for Remedation of Cliff Face Area" 6/24/15 along with the detailed section plan.

8. Special Instructions

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

PPE will be modified Leved D; Tyvek suit, safety glasses, hard hat, hard-toed shoes.

Continuous Air Monitoring will be required throughout 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 with the waste management plan.

An Archaeologist will present during operations. The following activities DO NOT require full time archaeological monitoring:

1. Cleaning tar balls from the beach surface.

2. Cleaning oil/tar from cobbles on the beach.

3. Cleaning oil/tar from bedrock at the back edge of the beach.

4. Cleaning oil/tar from rocks and bedrock that protrude from the beach.

Cultural protocols will remain unchanged.

(dtd 23 Jun 15)

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
B. Geraghty	06/25/2015 15:00	T. Haug	06/25/2015 00:00	Chad Calaway	06/25/2015 00:00

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
B. Geraghty	06/25/2015 15:00	T. Haug	06/25/2015 00:00	Chad Calaway	06/25/2015 00:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	From 06/26/2015 06:00 To 07/10/2015 06:00	Ops Period 20	ICS 204

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

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	OSC Rotation	Plains All American Pipeline	PAAPL chart
Branch Director	Ops Field Chief	Plains All American Pipeline	PAAPL chart
Division/Group Supervisor/STAM	Division I Rotation	Plains All American Pipeline	PAAPL chart

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)	DB2	Eric Nanarette	951-295-2680	16	
1 (each)	DB3	Kenny Potts	909-626-9962	18	
1 (each)	DB1	Chris Hernandez	661-238-6702	16	
1 (each)	OC Vacuum	Chris Loza	562-225-5126	50	

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.

Dry ice blasting has been approved for all sections.

8. Special Instructions

An Archaeologist will periodically spot check, but full time archaeological monitoring is not necessary. The following activities DO NOT require full time archaeological monitoring:

1. Cleaning tar balls from the beach surface.

2. Cleaning oi/tar from cobbles on the beach.

3. Cleaning oil/tar from bedrock at the back edge of the beach.

4. Cleaning oil/tar from rocks and bedrock that protrude from the beach.

Cultural protocols will remain unchanged.

(dtd 23 Jun 15)

POC to schedule/request ARCH is the following:

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
B. Geraghty	06/25/2015 15:00	T. Haug	06/25/2015 15:00	Chad Calaway	06/25/2015 15:00

Clay Lebow: June 25th - June 29th (805-895-2958)

Ann Munns: June 29th - July 6th (805-451-5825)

Clay Lebow: July 6th - July 10th (805-895-2958)

See 204a for UC Clarification on working near cliffs - dtd 16 June.

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

Instructions for Dead Wildlife and Natural Resource Protection.

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

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: Hard hats, 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.

Dry ice blasting Safety

Must utilize the following PPE: Tyvek Suit with Hood, appropriate gloves, full-face respirator, steel-toed boots and ensure no skin is exposed. Ensure the operator of the gun has visual sight of the operator tending the machines or have someone in between to allow for work stop work when needed.

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 the Logistics Section Chief.

No work in estuary or creek habitats without biological monitor and approval from EUL.

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
B. Geraghty	06/25/2015 15:00	T. Haug	06/25/2015 15:00	Chad Calaway	06/25/2015 15:00

1. Incident Name	2. Operational Period (Date/Time)	Operational Period	Assignment List
Refugio Incident	**From** 06/26/2015 06:00 **To** 07/10/2015 06:00	Ops Period 20	**ICS 204**

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

5. Operational Personnel	Name	Affiliation	Contact#(s)
Operations Section Chief	OSC Rotation	Plains All American Pipeline	PAAPL chart
Branch Director	Ops Field Chief	Plains All American Pipeline	PAAPL chart
Division/Group Supervisor/STAM	Div Rotation	Plains All American Pipeline	PAAPL chart

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)	PAT1	Alex Lopez	562-244-2248	50		☐
1 (each)	PAT2	Fernanda Dehonor	562-224-4185	50		☐

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.

Dry ice blasting of large surface rock, cobble and cliff face is approved for all areas.

8. Special Instructions

An Archaeologist will periodically spot check, but full time archaeological monitoring is not necessary. The following activities DO NOT require full time archaeological monitoring:

1. Cleaning tar balls from the beach surface.

2. Cleaning oil/tar from cobbles on the beach.

3. Cleaning oil/tar from bedrock at the back edge of the beach.

4. Cleaning oil/tar from rocks and bedrock that protrude from the beach.

Cultural protocols will remain unchanged.

(dtd 23 Jun 15)

POC to schedule/request ARCH is the following:

Clay Lebow: June 25th - June 29th (805-895-2958)

Ann Munns: June 29th - July 6th (805-451-5825)

Clay Lebow: July 6th - July 10th (805-895-2958)

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
B. Geraghty	06/25/2015 15:00	T. Haug	06/25/2015 15:00	Chad Calaway	06/25/2015 15:00

See 204a for UC Clarification on working near cliffs - dtd 16 June.

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

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: Hard hats, 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.

Dry ice blasting Safety

Must utilize the following PPE: Tyvek Suit with Hood, appropriate gloves, full-face respirator, steel-toed boots and ensure no skin is exposed. Ensure the operator of the gun has visual sight of the operator tending the machines or have someone in between to allow for work stop work when needed.

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 the Logistics Section Chief

No work in estuary or creek habitats without biological monitor and approval from EUL.

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
B. Geraghty	06/25/2015 15:00	T. Haug	06/25/2015 15:00	Chad Calaway	06/25/2015 15:00

1. Incident Name: Refugio **Location: Mariposa Staging**	**2. Operational Period 18 (Date / Time)** From: 06/26/2015 0600 To: 07/10/2015 0559	**MEDICAL PLAN** **ICS 206-CG**

3. Medical Aid Stations

Name	Location	Contact #	Transport Availability
Jennifer Miller, RN	Refugio State Park Field Nurse	309-370-1946	No
Catherine Murphy, RN	ICP – Medical Unit Lead	805-618-5769	No
Rodrigo Sanchez, EMTP	Refugio State Park EMTP	210-749-1573	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		

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LA County Medical Alert (available 24/7)	200 UCLA Medical Plaza Suit B Los Angeles, CA 9005	1(866)940-4401	1 hour	N/A	No	Yes
UCLA Available 0800-1700	200 UCLA Medical Plaza Suit B Los Angeles, CA 9005	310-794-9014	30 min.	1 hour	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, follow "medical reporting procedures" and render first aid. Supervisor will direct worker to field nurse or EMT on site.
3. All illnesses and injuries will be reported on Incident Reporting Line 805-618-5769.

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: (ICP Safety Officer)	**Date/Time**	**8. Reviewed by: (Safety Officer)**	**Date/Time**
Jerry Green, SOFR	06/26/15 0559	Jerry Green	6-25-15 (5:40)

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1. Incident Name	2. Operational Period (Date/Time)	Operational Period	DAILY MEETING
Refugio Incident	From 06/26/2015 06:00 To 07/10/2015 06:00	Ops Period 20	SCHEDULE ICS 230-CG

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

Date/Time	Meeting Name	Purpose	Attendees	Location
06/26/2015 10:00	UC Meeting	Teleconference for UC, Command & General Staff to discuss ongoing issues.	UC, Cmd & General staff	ICP Goleta
06/29/2015 10:00	UC meeting	Teleconference for UC, Command & General Staff to discuss ongoing issues.	UC, Cmd & General staff	ICP Goleta
06/30/2015 10:00	UC Meeting	Teleconference for UC, Command & General Staff to discuss ongoing issues.	UC, Cmd & General staff	ICP Goleta
07/01/2015 10:00	UC meeting	Teleconference for UC, Command & General Staff to discuss ongoing issues.	UC, Cmd & General staff	ICP Goleta
07/02/2015 10:00	UC meeting	Teleconference for UC, Command & General Staff to discuss ongoing issues.	UC, Cmd & General staff	ICP Goleta
07/03/2015 10:00	UC meeting	Teleconference for UC, Command & General Staff to discuss ongoing issues.	UC, Cmd & General staff	ICP Goleta
07/06/2015 10:00	UC meeting	Teleconference for UC, Command & General Staff to discuss ongoing issues.	UC, Cmd & General staff	ICP Goleta
07/07/2015 10:00	UC Meeting	Teleconference for UC, Command & General Staff to discuss ongoing issues.	UC, Cmd & General staff	ICP Goleta
07/08/2015 10:00	UC meeting	Teleconference for UC, Command & General Staff to discuss ongoing issues.	UC, Cmd & General staff	ICP Goleta
07/09/2015 06:00	Operations Briefing	Present IAP and assignments to the Supervisors/Leaders for the next Operational Period	UC, Cmd & General Staff, Branch Directors, DIV/GRP Supv, and Unit Leaders	Refugio State Beach
07/09/2015 08:00	UC Objectives Meeting	Review and update objectives	Unified Command, PSC	UC Meeting Room
07/09/2015 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	UC Meeting Room
07/09/2015 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	ICP Goleta
07/09/2015 16:00	Planning Meeting	Review status and finalize strategies and assignments to meet Incident Objectives for the next Operational Period. To include SCAT Briefing	IC/UC, Command & General Staff	UC Meeting Room
07/09/2015 17:00	IAP Approval	Present the IAP to the Unified Command for approval.	IC/UC, PSC	UC Meeting Room

4. Prepared by (Situation Unit Leader)	Date / Time
Tom Haug	06/23/2015 14:05

1. Incident Name	2. Operational Period to be covered by IAP (Date/Time)	ACP SITE INDEX
Refugio Incident	**From** 06/26/2015 06:00 **To** 07/10/2015 06:00	**ICS 232a-CG**

3. Index to ACP/GRP sites shown on Situation Map

Site	Priority	Site Name and/or Physical location	Action	Status
4-607	A	Arroyo Hondo Preserve and Creek (SBCo. Div I) Patriot Env.	100 ft of swamp boom. 100 ft of sorbant boom. Secured with stakes.	Completed by Patriot 5/21. Removed 6/18
4-610	A	Refugio Creek (spill site, boomed) (SBCo. Div I)	400 ft of hard boom. 400 ft of absorbant boom. Staked per site strategy.	Completed by Clean Seas 5/19 Removed 6/13
4-613	A	Corral-Las Flores Creeks (SBCo. Div K)	Pre-impact debris removal.	Completed by Patriot 5/20.
4-615	A	El Capitan Creek (SBCo. Div K)	40 ft of swamp boom. 40 ft of sorbant boom. Secured by stakes.	Completed by Clean Seas 5/20 Removed 6/13
		Tajiguas Creek (SBCo. Div I)	200 ft of hard boom. 200 ft of absorbant boom.	Completed 5/22 0842 by Patriot. Removed 6/4

Note: This form is designed to be posted next to the situation map. Use additional sheets, as needed.

4. Prepared by	Date / Time
Brendan Geraghty	06/24/2015 14:45

2015-06-25 Stakeholder Engagement Plan

Liaison Officer (LOFR): For Operational Period 20, 26 Jun - 10 July 2015, Refugio Incident Liaison Officers will provide remote support. LOFR duties will be the responsibility of CA Dept of Fish & Wildlife, Office of Spill Prevention and Response (OSPR). OSPR Liaisons are on a rotating schedule:

Duty Period	Name	Office	Mobile	E-mail
6/23 - 6/29	Mr. Mike Zamora	916-322-1929	none	Michael.Zamora@wildlife.ca.gov
6/30 – 7/06	Mr. Joe Stewart	916-324-0907	916-205-8661	joe.stewart@wildlife.ca.gov
7/07 - 7/13	Ms. Cindy Murphy	916-324-6250	916-616-4515	cindy.murphy@wildlife.ca.gov
7/14 - 7/20	Mr. Steve Snavely	916-327-2297	none	Stephen.Snavely@wildlife.ca.gov

Mr. Joe Stewart is the primary POC for OSPR Liaison issues, Ms. Cindy Murphy is secondary. An additional POC is Mr. Chris Klumpp, 916-322-1195 (w), 916-591-0768 (c), Christopher.Klumpp@wildlife.ca.gov.

Coast Guard District Eleven External Affairs staff will support OSPR liaisons, as necessary. POC is LCDR Collin Bronson, 510-437-3423 (w), 510-219-1322 (c), collin.r.bronson@uscg.mil.

Unified Command Meetings: The LOFR will participate via phone in the Unified Command meeting, currently scheduled for weekdays at 1000.

Critical Information: The LOFR will be guided by the ICS-202b, Critical Information Requests. Any relevant information that is brought to the attention of the LOFR covered under the ICS-202b must be relayed to the Unified Command. Items in bold are the primary responsibility of the LOFR:

- Work site accidents / mishaps resulting property damage or injuries to responders beyond first aid.
- Major equipment failures that impact operations.
- **Any VIP visits or political interest and concerns.**
- Command Objectives achieved.
- Deviation of strategies or tactics from approved Incident Action Plan.
- Severe weather condition which could impact Operations.
- Publication of inaccurate or unfavorable media stories.
- **Reports of negative stakeholder interests.**
- **Cultural/historical impacts and/or concerns.**
- Reports of negative social media trends or observations.
- Change in status for any Refugio Incident facilities.
- Change to or need for additional road closures.

Daily Situation E-mail: Refugio Incident Situation Unit will send the daily situation e-mail to OSPRLiaison@wildlife.ca.gov and the on-duty LOFR will leverage it for daily stakeholder updates. Enclosure 1 is the Liaison Contact List as of 25 Jun 2015.

Reporting Suspected Oil or Hazardous Material: All reports of suspected oil sightings must be reported to the National Response Center (NRC) at 1-800-424-8802 or nrc@uscg.mil. The NRC is the sole Federal point of contact for reporting hazardous substances and oil spills.

2015-06-25 Stakeholder Engagement Plan

Research Requests: The following process is in effect to receive, vet, approve, and facilitate independent research requests:

1. Interested parties will be directed to fill out the research request questionnaire at http://www.refugioresponse.com/go/survey/7258/24454.
2. The PIER website administrator forwards submitted questionnaires to Mr. Wade Bryant at wade.bryant@c-ka.com. He will review applications and make approve/disapprove recommendations to the Unified Command.
3. For any research that will take place on state parks land, apply for a scientific research and collecting permit. http://www.parks.ca.gov/?page_id=21557.
4. If approved, Planning Section will develop an ICS-204 to ensure all research activities are fully vetted for safety and operational concerns.

Cultural, Archaeological, Historical Issues: OSPR will continue to have a cultural liaison embedded in the Operations Section of the Response. Additionally, archeology issues can be directed to refugio@appliedearthworks.com.

LOFR Transition Announcement: The following e-mail will be sent to all stakeholders listed in Enclosure 1 on the morning of Friday, June 26, 2015.

Good morning, Stakeholders,

The Refugio Response is entering a phase that requires less operational planning and fewer people working in the Incident Command Post (ICP). Field operations are continuing to effectively and safely complete cleanup goals for the remaining beach and bluff areas, and those resource numbers will remain significant, but personnel working in the ICP will be reduced. As such, Liaisons supporting the Refugio Incident are returning to their respective agencies. Stakeholder concerns will continue to be worked by the liaison network, albeit remotely.

The California Department of Fish & Wildlife Office of Spill Prevention and Response (OSPR) will provide Liaison Officers (LOFR) to the continued response. OSPR LOFRs will be on a rotating schedule. The on duty LOFR can be reached via e-mail at OSPRLiaison@wildlife.ca.gov or:

6/23 - 6/29, Mr. Mike Zamora, 916-322-1929
6/30 - 7/6, Mr. Joe Stewart, 916-324-0907
7/7 - 7/13, Ms. Cindy Murphy, 916-324-6250
7/14 - 7/20, Mr. Steve Snavely, 916-327-2297

Additional information:

Current Status of Response: *The Refugio Response website (www.refugioresponse.com) remains the best source for current information related to the incident.*

Daily Situation E-mail: *If you wish to receive daily situation overviews via e-mail (and are not already), send an e-mail with your name, title, agency/organization/business, phone number, and email address to OSPRLiaison@wildlife.ca.gov.*

Register for Cal Spill Watch: *The Cal Spill watch website is an excellent resource to stay informed about this, and other, incidents. To access the Cal Spill Watch page, create an account by visiting*

https://nrm.dfg.ca.gov/myaccount/register.aspx. Fill out a simple form and click "create". You will be sent an Account Activation email, open the email and click on the link to activate your account.

Reporting Suspected Oil or Hazardous Material: *The Unified Command requests that you direct all reports of suspected oil sightings to the* ***National Response Center (NRC) at 1-800-424-8802 or*** *nrc@uscg.mil. The NRC is the sole Federal point of contact for reporting hazardous substances and oil spills. The mandated reporting process needs to be used to ensure that all appropriate agencies are notified, not just the Refugio ICP.*

Research Requests: *Parties interested in conducting independent research in areas where response operations are ongoing will need to:*

1. *Fill out a Refugio Response research request: http://www.refugioresponse.com/go/survey/7258/24454.*
2. *For any research that may take place on state parks land, apply for a scientific research and collecting permit: http://www.parks.ca.gov/?page_id=21557.*

I am returning to my duties at Coast Guard District Eleven. Please feel free to reach out to me should the need arise and thank you for your hospitality.

Best regards,

Greg Reilly
Lieutenant Commander, U.S. Coast Guard
Refugio Incident Liaison Officer (LOFR)
510.289.7775 / gregory.w.reilly@uscg.mi

Help Print

NOAA/NOS/CO-OPS
Weekly Tide Prediction for GAVIOTA STATE PARK, PACIFIC OCEAN,CA
StationId 9411399
From: 2015/06/26 - 2015/07/02
Units: Feet Time Zone: LST/LDT Datum: MLLW
Threshold: >= 2.3

Weekly Tide Prediction graphical plot

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.

High/Low Tide Predictions

Station Name: GAVIOTA STATE PARK, PACIFIC OCEAN,CA
Parameter: Weekly
Product: Tide Prediction
Start Date & Time: 2015/06/26 12:00AM
End Date & Time: 2015/07/02 11:59PM
Threshold: >= 2.3 (threshold values are appended with *)

Source: NOAA/NOS/CO-OPS
Prediction Type: Harmonic
Datum: MLLW
Height Units: Feet
Time Zone: LST/LDT

Date	Day	Time	Hgt	Time	Hgt	Time	Hgt	Time	Hgt
2015/06/26	Fri	01:09 AM	1.42 L	06:42 AM	*3.11 H	11:49 AM	1.85 L	06:36 PM	*5.21 H
2015/06/27	Sat	01:50 AM	0.88 L	07:48 AM	*3.24 H	12:34 PM	1.99 L	07:12 PM	*5.53 H
2015/06/28	Sun	02:28 AM	0.37 L	08:42 AM	*3.42 H	01:18 PM	2.08 L	07:48 PM	*5.82 H
2015/06/29	Mon	03:05 AM	-0.09 L	09:27 AM	*3.61 H	02:00 PM	2.15 L	08:25 PM	*6.09 H
2015/06/30	Tue	03:42 AM	-0.47 L	10:08 AM	*3.78 H	02:42 PM	2.19 L	09:02 PM	*6.28 H
2015/07/01	Wed	04:18 AM	-0.75 L	10:48 AM	*3.91 H	03:24 PM	2.23 L	09:40 PM	*6.37 H
2015/07/02	Thu	04:56 AM	-0.89 L	11:28 AM	*4.03 H	04:09 PM	2.25 L	10:20 PM	*6.32 H

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Help Print

NOAA/NOS/CO-OPS
Weekly Tide Prediction for GAVIOTA STATE PARK, PACIFIC OCEAN,CA
StationId 9411399
From: 2015/07/02 - 2015/07/08
Units: Feet Time Zone: LST/LDT Datum: MLLW
Threshold: >= 2.3

Weekly Tide Prediction graphical plot

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.

High/Low Tide Predictions

Station Name: GAVIOTA STATE PARK, PACIFIC OCEAN,CA
Parameter: Weekly
Product: Tide Prediction
Start Date & Time: 2015/07/02 12:00AM
End Date & Time: 2015/07/08 11:59PM
Threshold: >= 2.3 (threshold values are appended with *)

Source: NOAA/NOS/CO-OPS
Prediction Type: Harmonic
Datum: MLLW
Height Units: Feet
Time Zone: LST/LDT

Date	Day	Time	Hgt	Time	Hgt	Time	Hgt	Time	Hgt
2015/07/02	Thu	04:56 AM	-0.89 L	11:28 AM	*4.03 H	04:09 PM	2.25 L	10:20 PM	*6.32 H
2015/07/03	Fri	05:36 AM	-0.89 L	12:11 PM	*4.14 H	04:57 PM	2.28 L	11:02 PM	*6.11 H
2015/07/04	Sat	06:16 AM	-0.75 L	12:55 PM	*4.28 H	05:52 PM	*2.3 L	11:49 PM	*5.71 H
2015/07/05	Sun	06:58 AM	-0.46 L	01:42 PM	*4.45 H	06:56 PM	2.29 L		
2015/07/06	Mon	12:43 AM	*5.16 H	07:42 AM	-0.06 L	02:32 PM	*4.67 H	08:10 PM	2.21 L
2015/07/07	Tue	01:47 AM	*4.52 H	08:28 AM	0.42 L	03:25 PM	*4.95 H	09:37 PM	1.97 L
2015/07/08	Wed	03:04 AM	*3.91 H	09:20 AM	0.91 L	04:20 PM	*5.26 H	11:10 PM	1.5 L

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Help Print

NOAA/NOS/CO-OPS
Weekly Tide Prediction for GAVIOTA STATE PARK, PACIFIC OCEAN,CA
StationId 9411399
From: 2015/07/08 - 2015/07/14
Units: Feet Time Zone: LST/LDT Datum: MLLW
Threshold: >= 2.3

Weekly Tide Prediction graphical plot

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.

High/Low Tide Predictions

Station Name: GAVIOTA STATE PARK, PACIFIC OCEAN,CA
Parameter: Weekly
Product: Tide Prediction
Start Date & Time: 2015/07/08 12:00AM
End Date & Time: 2015/07/14 11:59PM
Threshold: >= 2.3 (threshold values are appended with *)

Source: NOAA/NOS/CO-OPS
Prediction Type: Harmonic
Datum: MLLW
Height Units: Feet
Time Zone: LST/LDT

Date	Day	Time	Hgt	Time	Hgt	Time	Hgt	Time	Hgt
2015/07/08	Wed	03:04 AM	*3.91 H	09:20 AM	0.91 L	04:20 PM	*5.26 H	11:10 PM	1.5 L
2015/07/09	Thu	04:39 AM	*3.49 H	10:19 AM	1.35 L	05:15 PM	*5.59 H		
2015/07/10	Fri	12:26 AM	0.88 L	06:13 AM	*3.36 H	11:22 AM	1.69 L	06:08 PM	*5.91 H
2015/07/11	Sat	01:27 AM	0.28 L	07:34 AM	*3.46 H	12:22 PM	1.9 L	06:59 PM	*6.17 H
2015/07/12	Sun	02:20 AM	-0.21 L	08:39 AM	*3.65 H	01:18 PM	2.03 L	07:47 PM	*6.35 H
2015/07/13	Mon	03:06 AM	-0.55 L	09:30 AM	*3.85 H	02:09 PM	2.1 L	08:32 PM	*6.43 H
2015/07/14	Tue	03:48 AM	-0.72 L	10:15 AM	*4.0 H	02:57 PM	2.15 L	09:13 PM	*6.38 H

The Weather Channel

Scan for updated forecast

Refugio State Beach Weather

6:37 pm PDT

DAY	COND	HIGH	LOW	DESCRIPTION	PRECIP	WIND
TONIGHT Jun 25		--	56°F	Partly Cloudy	0%	S 8 mph
FRI Jun 26		70°	56°	AM Clouds/PM Sun	0%	SSW 10 mph
SAT Jun 27		72°	58°	AM Clouds/PM Sun	0%	W 13 mph
SUN Jun 28		74°	57°	AM Clouds/PM Sun	0%	W 11 mph
MON Jun 29		75°	59°	AM Clouds/PM Sun	0%	WSW 8 mph
TUE Jun 30		77°	59°	AM Clouds/PM Sun	0%	SSE 8 mph
WED Jul 1		77°	59°	AM Clouds/PM Sun	0%	SSW 9 mph
THU Jul 2		74°	60°	AM Clouds/PM Sun	0%	WSW 10 mph
FRI Jul 3		74°	60°	AM Clouds/PM Sun	0%	WSW 12 mph
SAT Jul 4		73°	58°	AM Clouds/PM Sun	10%	SW 10 mph
SUN						

Jul 5		73°	59°	AM Clouds/PM Sun	0%	SW 9 mph
MON Jul 6		74°	60°	AM Clouds/PM Sun	0%	SW 10 mph
TUE Jul 7		74°	60°	AM Clouds/PM Sun	0%	WSW 11 mph
WED Jul 8		74°	60°	AM Clouds/PM Sun	0%	SW 10 mph
THU Jul 9		74°	59°	AM Clouds/PM Sun	0%	SW 9 mph

Table 2: TPH[1] Preliminary Data Summary[4]
05/20/2015– 06/25/2015

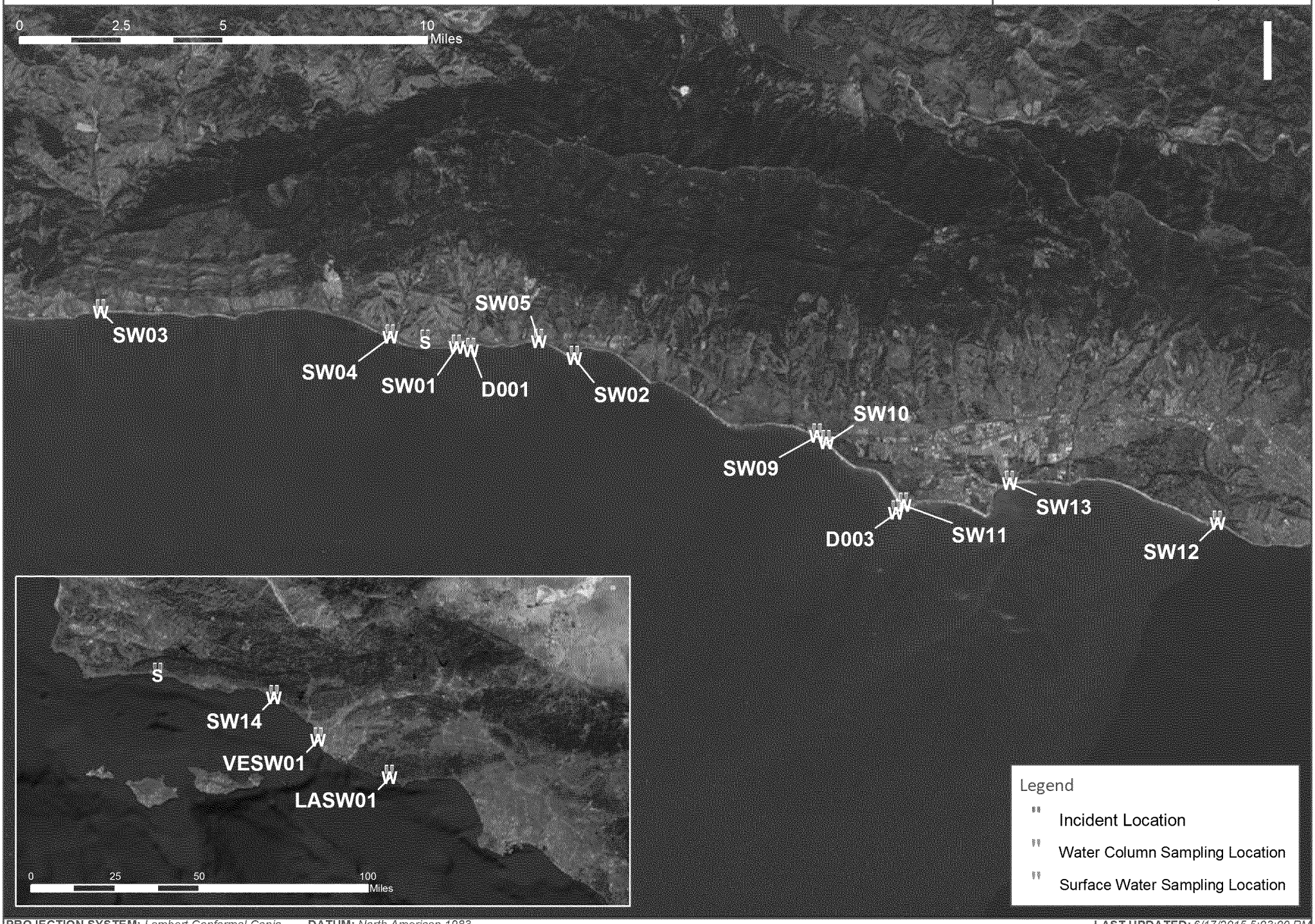
		Highest Detection		Most Recent TPH Result Received	
	Location	Date	TPH (mg/L)	Date	TPH (mg/L)
Water Column	D001-S	6/6/2015	0.228	6/6/2015	0.228
	D001-M	5/22/2015	0.1	6/6/2015	ND
	D001-D	6/3/2015	0.5	6/6/2015	ND
	D003-S	5/31/2015	0.189	6/1/2015	ND
	D003-M	No detections		6/1/2015	No detections
	D003-D	No detections		6/1/2015	No detections
Surface Water	SW01	5/26/2015	11.9	6/17/2015	0.078
	SW02	5/21/2015	677.111	6/17/2015	ND
	SW03	5/26/2015	4.9	6/17/2015	ND
	SW04	5/21/2015	5.5	6/17/2015	ND
	SW05	6/3/2015	63.1	6/17/2015	0.055
	SW09	6/5/2015	6.9	6/17/2015	1.23
	SW10	5/21/2015	1.89	5/21/2015	1.89
	SW11	6/6/2015	2.3422	6/17/2015	1.59
	SW12	6/10/2015	5.1	6/17/2015	0.092
	SW13	6/6/2015	1.9	6/17/2015	0.28
	SW14	No detections		6/9/2015	No detections
	LASW01	No detections		6/8/2015	No detections
	VESW01	No detections		6/9/2015	No detections

[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 25, 2015

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

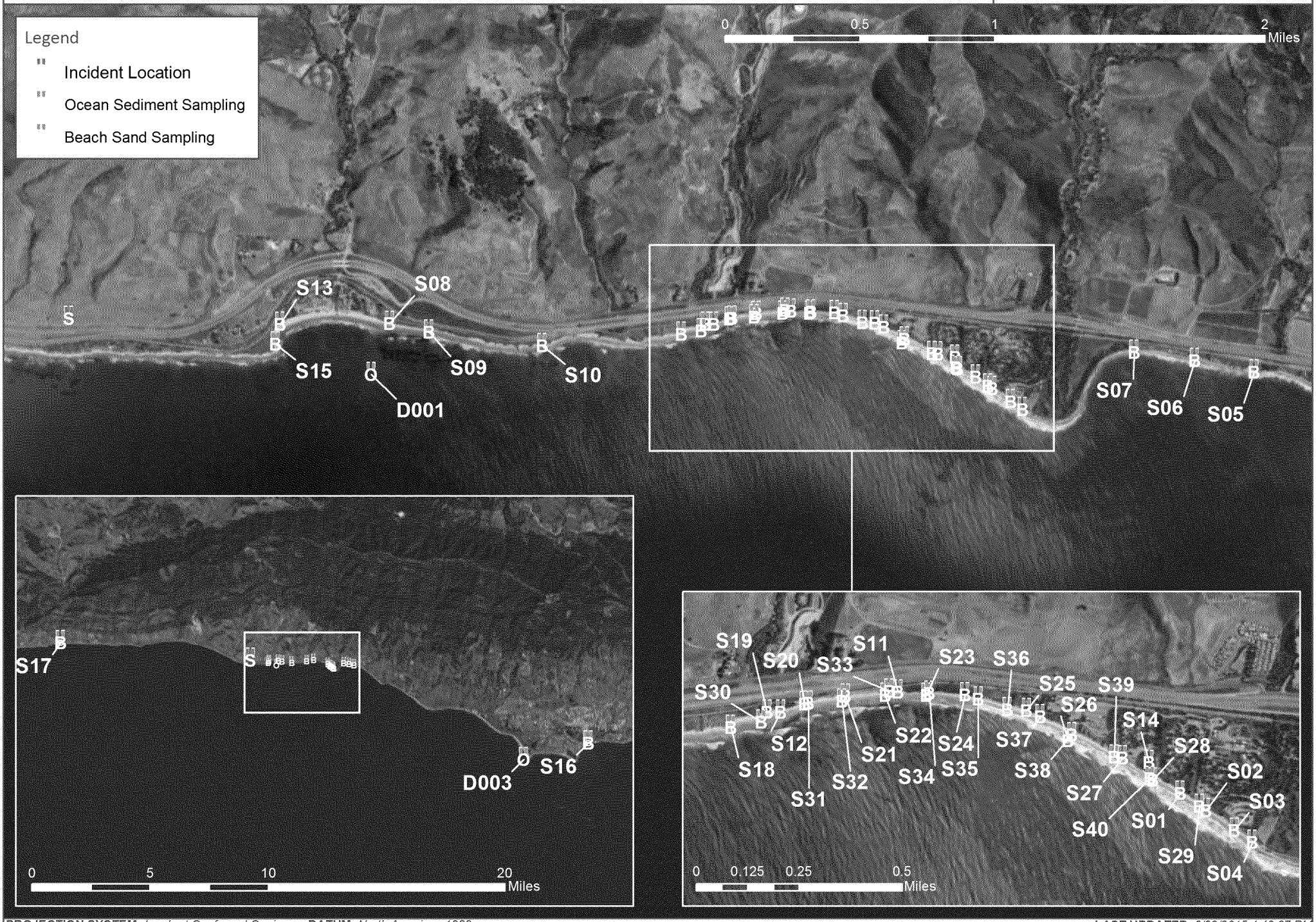


PROJECTION SYSTEM: *Lambert Conformal Conic* **DATUM:** *North American 1983* **LAST UPDATED:** *6/17/2015 5:03:00 PM*

Sediment/Sand Sampling Locations

Refugio Incident | May 23, 2015 to June 25, 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: *6/23/2015 4:49:37 PM*