**June 8, 2015 Daily Report**

***(Presenting June 7 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 8)
  - Anticipated problems and planned resolutions

- ☐ **Executive Summary** (describing prior day, June 7)
  - Significant Developments
  - Work Performed
  - Disposal Information

- ☐ **Incident Status Summary Form 209** (Effective June 7 07:00 – June 8 06:59)

- ☐ **CTEH Summary of Environmental Sampling Efforts** (June 7)
  - Analytical Data Received to Date

- ☐ **Incident Action Plan** (Effective June 6 06:00 – June 9 05:59)
  - Schedule of Work to be Performed (Form 204)

**Summary of Anticipated Problems and Resolutions**

**Refugio Incident**

June 8, 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 have proof of respirator fit test. On June 5 one of the workers was not able 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:
07 Jun 2015 / 1800 PDT / Response Day 20
www.refugioresponse.com

**Executive Summary**

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

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

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

SCAT Phase II end points have been achieved for 59% of the impacted shoreline. The attached graphic depicts detailed data about this progress.

A Public Information Plan has been approved by the Unified Command.

**Current Impacts**

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

**Potential Impacts**

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

**Response Efforts**

- Onshore:
    - Work continued on the bluff. Lane closures are expected to continue daily from 0900 to 1500.
- Shoreline:
    - Work crews continue clean up at work sites from Gaviota Creek, Santa Barbara County, to Hollywood Beach, Ventura County.

- 1,080 feet of hard and sorbent boom remain in place, protecting 3 sensitive sites as identified in the ACP.
- The State Park has closed Refugio and El Capitan state beach through 25 June.

- On Water:
  - There are 08 assigned vessels conducting on water operations, and 5,000 ft of snare boom is deployed. No oily water mixture was collected today, therefore the cumulative total remains 14,267 gallons.
  - Oil was observed from scheduled NOAA over-flights. This area is prone to natural oil seepage and the environmental unit is assessing possible sources and distinction of natural seepage versus oil spilled from this response.
  - The temporary safety zone remains in place for 6 NM of shoreline from Tajiguas creek to and including El Capitan Beach, extending out 500 yards from the shoreline. In addition, a 100 yard radius temporary safety zone remains in place around all vessels engaged in the recovery operations.
  - A 23 mile by 6 mile area offshore has been closed to fishing. CA Fish and Wildlife P/B Swordfish remains on scene to enforce fishery closure.
  - A 1000 foot temporary flight restriction within a 5 mile radius of Refugio Beach 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 7 June 2015) | | |
|---|---|---|
| **Material** | **Estimated Daily Total Removed (cubic yards)** | **Estimated Cumulative Total Removed (cubic yards)** |
| **Oiled Sand** | 0 | 660 |
| **Oiled Vegetation** | 0 | 660 |
| **Oiled Debris/PPE** | 60 | 360 |
| **Oiled Soil** | 0 | 3,840 |
| **Culvert Soil** | 0 | 70 |
| **Absorbent** | 15 | 180 |

| | TOTAL Birds | | | TOTAL Mammals | | |
|---|---|---|---|---|---|---|
| **Date** | Live | Dead | Date Totals | Live | Dead | Date Totals |
| **7 Jun 2015** | 0 | 7 | 7 | 1 | 5 | 6 |
| **Cumulative Total** | 60 | 156 | 216 | 45 | 83 | 128 |

**External Affairs**

- Met with city and county officials to coordinate adjustments to public information messaging. Future operations will include local (city and Santa Barbara County) designees to work with SCAT teams on end point assessments.

**Tribal and Elected Officials**

- Chumash Tribal Members continue to provide cultural and archeological guidance and oversight as needed. 54 cultural monitors and 10 archeologists are supporting the response.

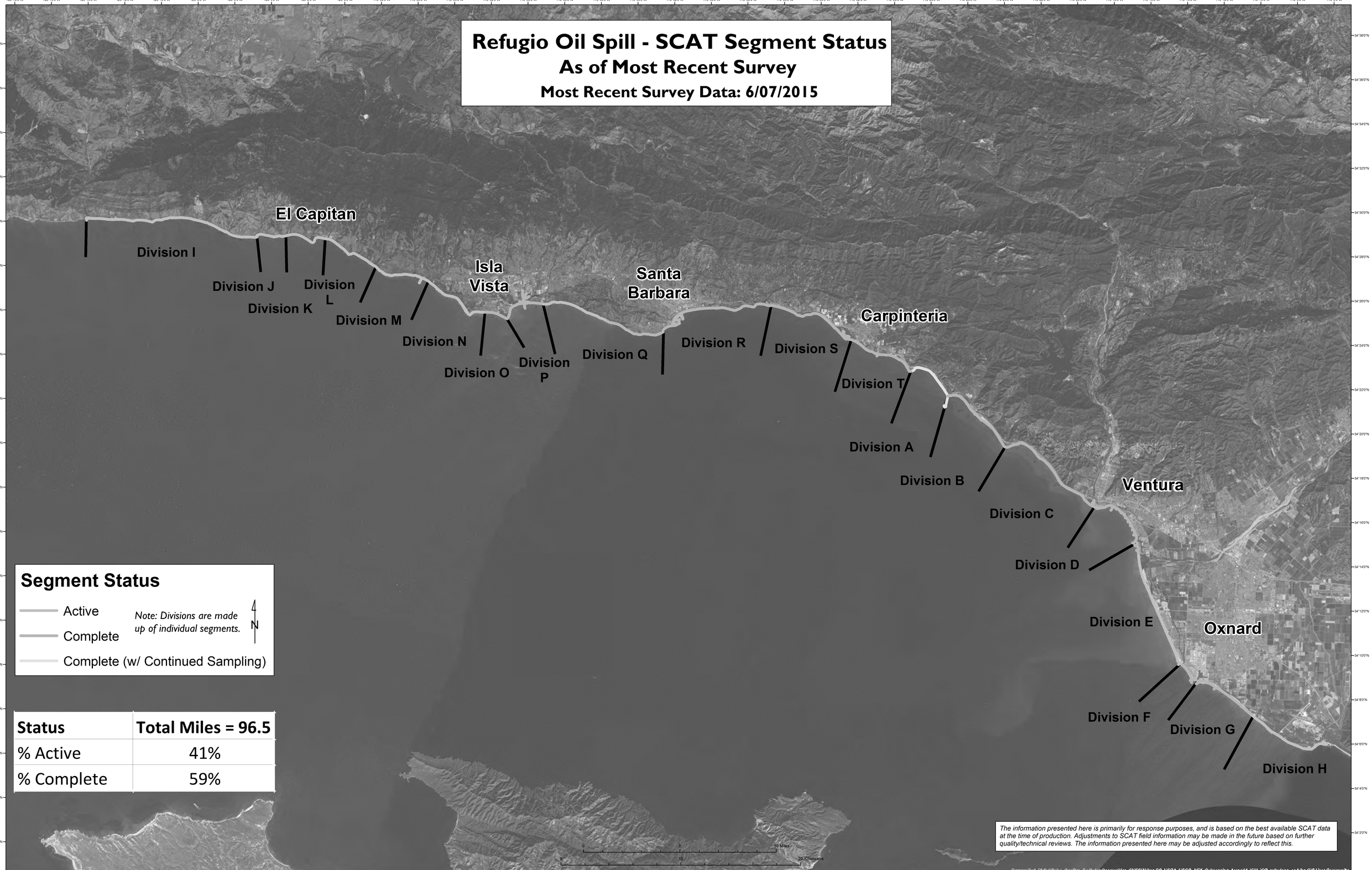
**Personnel Involved**

- 1,086 (down from 1,147) workers are engaged in Field Operations.
- 101 (down from 119) personnel are assigned to the ICP.
- 1,187 (down from 1,266) total personnel are assigned to the response.

# Refugio Oil Spill - SCAT Segment Status

## As of Most Recent Survey

**Most Recent Survey Data: 6/07/2015**




| Status | Total Miles = 96.5 |
|---|---|
| % Active | 41% |
| % Complete | 59% |

| 1. Incident Name | 2. Operational Period (Date / Time) | INCIDENT STATUS SUMMARY ICS 209-CG |
|---|---|---|
| Refugio incident | From: To: Time of Report<br>07Jun15/0700 to 08Jun15/0659 07/1900 | |

**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 #20, IAP #14
SCAT Phase II end points have been achieved for 59% of the impacted shoreline.
There are 08 assigned vessels conducting on water operations, and 5,000 ft of snare boom is deployed. No oily water mixture was collected.
There are 1,086 personnel conducting field operations, and 101 personnel in the ICP.
The following cumulative totals have been reported removed by waste management; 660 cubic yards of oiled sand, 660 cubic yards of oiled vegetation, 360 cubic yards of oiled debris/ PPE, 3,840 cubic yards of oiled soil, 70 cubic yards of culvert soil, and 180 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, 156 fowl dead, 45 mammals captured, and 83 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 | 0 | 0 | 1* |
| 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 | | | | 2 | |
| Aircraft – Fixed Wing | | | | 0 | |
| Vessels (VOSS/Skimming) | | | | 8 | |
| Vehicles – Vac/Tank Truck | | | | 3 | |
| Vehicles - Other | | | | 222 | |
| Heavy Equipment | | | | 6 | |

| 10. Personnel Resources | |
|---|---|
| **Agency** | **Total # of People** |
| Personnel assigned to the ICP | 101 |
| Engaged in Field Operations | 1,086 |
| Total Personnel Resources Used From all Organizations: | 1,187 |

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

| | TOTAL Birds | | | TOTAL Mammals | | |
|---|---|---|---|---|---|---|
| **Date** | Live | Dead | Date Totals | Live | Dead | Date Totals |
| **5 Jun 2015** | 0 | 7 | 7 | 1 | 5 | 6 |
| **Cumulative Total** | 60 | 156 | 216 | 45 | 83 | 128 |

| 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) | 0 | 660 | 660 |
| Oiled vegetation (cu yd) | 0 | 660 | 660 |
| Oiled Debris/PPE (cu yd) | 60 | 300 | 360 |
| Oiled Soil (cu yd) | 0 | 3,840 | 3,840 |
| Culvert Soil | 0 | 70 | 70 |
| Absorbent (tons) | 15 | 165 | 180 |
| Comments: | | | |

| 14. Prepared by: | Date/Time Prepared: |
|---|---|
| Mr. Brian Cutts | 07Jun2015 1900 |

# Refugio Incident
# Summary of CTEH® Environmental Sampling Efforts
# June 7, 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– 06/06/2015

| Media | Matrix | Sample Count |
|---|---|---|
| Water | Surface Water | 142 |
| | Water Column | 54 |
| | Culvert/Flush Water | 2 |
| Sediment | Beach Sediment[2] | 18 |
| | Ocean Sediment[3] | 15 |
| Soil | Backfill Soil | 6 |
| | Trench Excavation Soil | 9 |
| | Background Soil | 11 |
| Petroleum | Product/Tar Ball Sample | 33 |
| | 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– 06/06/2015

| | | Highest Detection | | Most Recent TPH Result Received | |
|---|---|---|---|---|---|
| | Location | Date | TPH (mg/L) | Date | TPH (mg/L) |
| Water Column | D001-S | 5/27/2015 | 0.179 | 6/2/2015 | 0.05 |
| | D001-M | 5/22/2015 | 0.1 | 6/2/2015 | 0.053 |
| | D001-D | 5/28/2015 | 0.188 | 6/2/2015 | 0.052 |
| | 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 | 6/2/2015 | 0.067 |
| | SW02 | 5/21/2015 | 697.111 | 6/2/2015 | 1.63 |
| | SW03 | 5/26/2015 | 4.9 | 6/2/2015 | ND |
| | SW04 | 5/21/2015 | 5.5 | 6/2/2015 | ND |
| | SW05 | 5/25/2015 | 21.9 | 6/2/2015 | 0.064 |

[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 | 6/2/2015 | 0.39 |
| | SW10 | 5/21/2015 | 1.89 | 5/21/2015 | 1.89 |
| | SW11 | 5/22/2015 | 1.96 | 6/2/2015 | 0.067 |
| | SW12 | 5/29/2015 | 0.09 | 6/2/2015 | 0.176 |
| | SW13 | 5/28/2015 | 0.57 | 6/2/2015 | 0.085 |

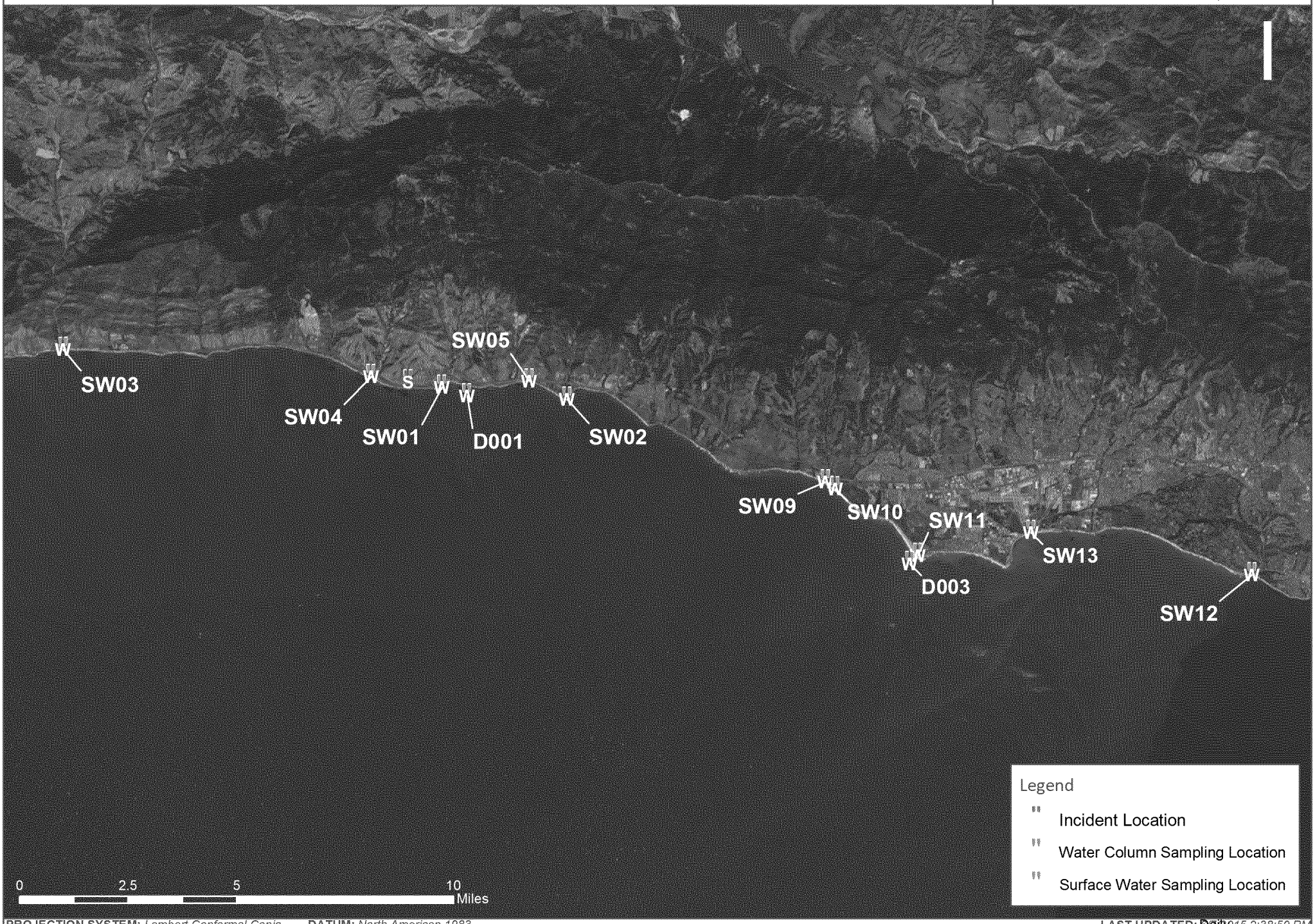
[4] The data presented within the table is considered preliminary and has not completed the complete QA/QC process.

CTEH

# Water Sampling Locations

Refugio Incident | May 20, 2015 to June 6, 2015

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



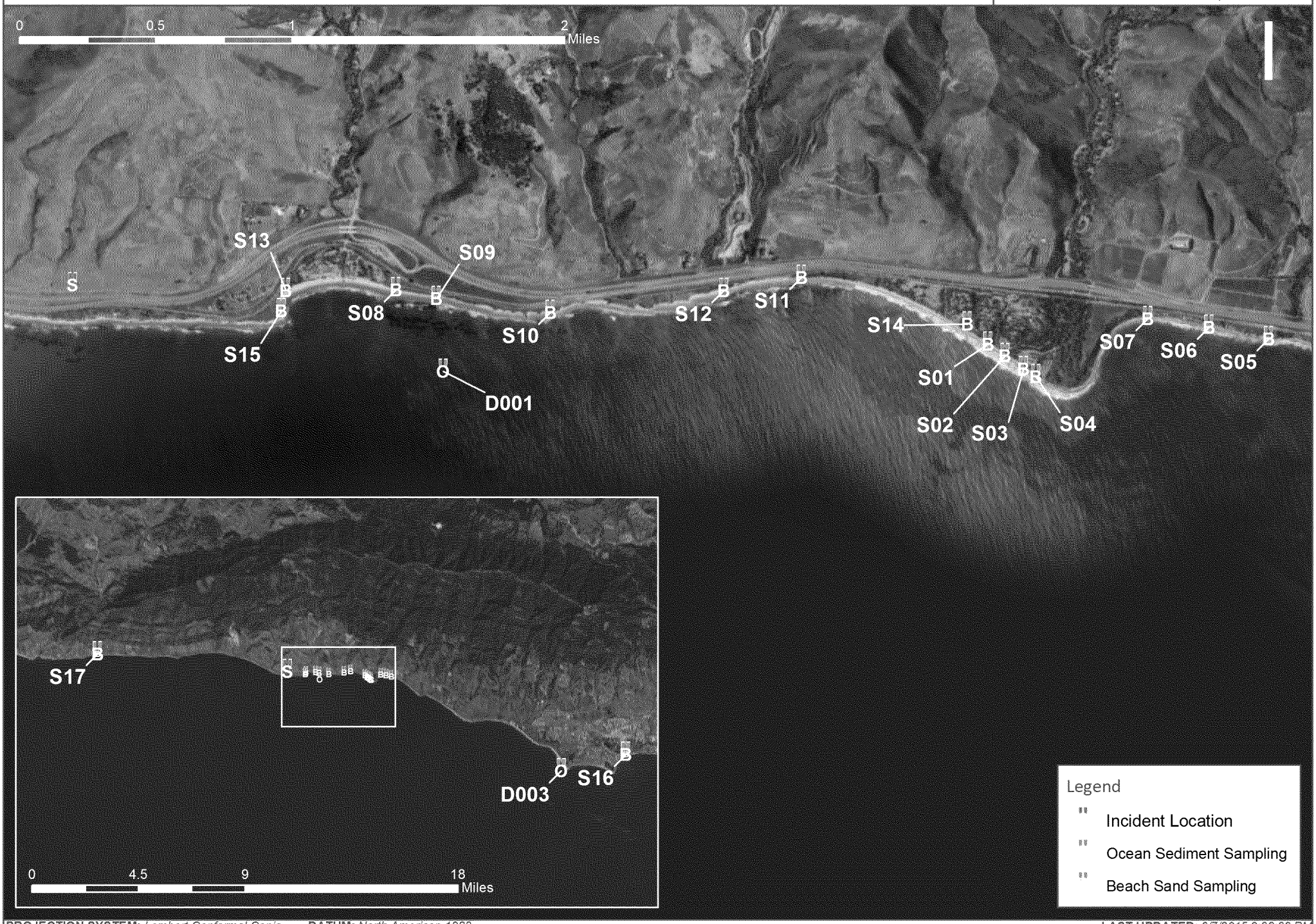

PROJECTION SYSTEM: *Lambert Conformal Conic* DATUM: *North American 1983*

LAST UPDATED: *June 8, 2015 2:38:50 PM*

# Sediment/Sand Sampling Locations

Refugio Incident | May 23, 2015 to June 6, 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:** *6/7/2015 2:38:33 PM*

| 1. Incident Name | 2. Operational Period to be covered by IAP (Date/Time) | Operational Period | CG IAP |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **COVER SHEET** |

**3. Approved by**

| ORG | Name |
|---|---|
| USCG | Captain C. Downey CAPT 6/6/15 |
| U.S. EPA | T. Dunkelman |
| CAL DFW | Lt. C. Corbo CHRISTIAN CORBO #511 |
| 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

Incident Picture

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

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | INCIDENT BRIEFING |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | 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.

During the next operational period, complete clean up of Divisions L, M, N, O, and P 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 economic impacts by keeping public and stakeholders informed, including communicating positive progress in cleaning up the spill.

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.

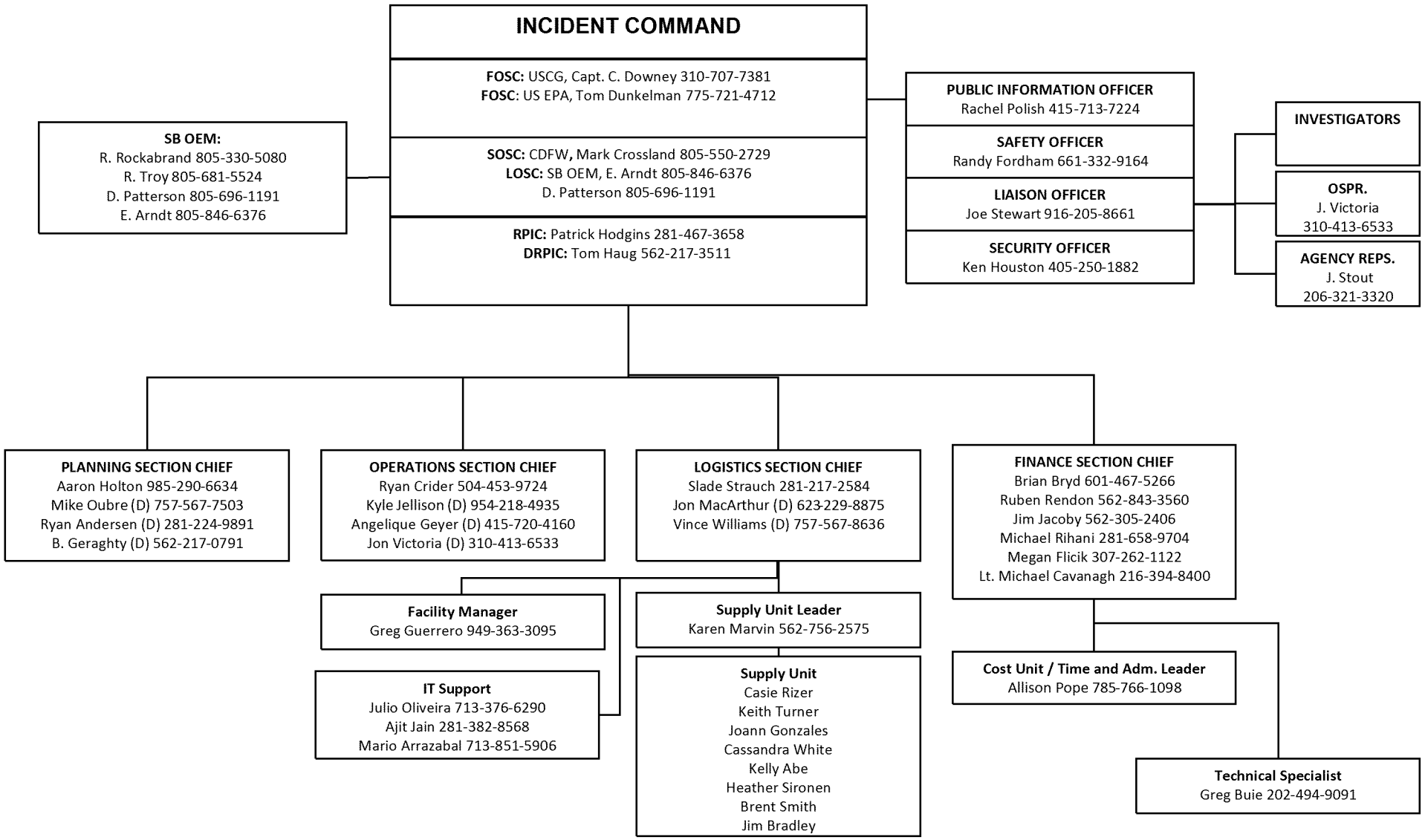
Implement Decon and Demob.

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

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

| Prepared by (Operations Section Chief) | Date/Time |
|---|---|
| ajholton | 06/06/2015 06:40 |

| 1. Incident Name | 2. Operational Period (Date/Time) | INCIDENT ORGANIZATION CHART |
|---|---|---|
| Refugio | From: 6/7/2015 06:00 To: 6/9/2015 06:00 | ICS-207-CG |



| 1. Incident Name | 2. Operational Period (Date/Time) | INCIDENT ORGANIZATION CHART |
|---|---|---|
| Refugio | From: 6/7/2015 06:00 To: 6/9/2015 06:00 | ICS-207-CG |

**OPERATIONS SECTION**
Chief: Ryan Crider 504-453-9724
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**
Laird Henkel
831-212-7665
Sarah Wilkin
240-429-9161

- **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
  G. Potter
  619-823-1736
- **Reconnaissance**
  L. Henkel
  831-212-7665

**DECON Group**
E. Boyes
562-760-6940

- **Port Hueneme**
  Walt Dorne
  562-244-2205
- **Ventura**
  Alex Lopez
  562-244-2248
- **T&T Yard**
  Charlie Roth
  562-244-4165

**On-Water Group**
Lanny Kippes
562-221-4510
Deputy: TBD

- **Task Force 4**
  Mark Wrobel
  310-613-2566
- **Task Force 3**
  Bobby Reed
  805-765-9088
- **Task Force 2**
  Peter Foss
  805-765-9087

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

- **Protection Group**
- **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 O/P**
  Levi Paulson
  701-206-0417
  Josh Vetters
  979-665-6355
- **Division Q/R/S/T**
  Tyler Keller
  307-262-1421
  Josh Vetters
  979-665-6355

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

- **Division A/B/C**
  Ed Shypkowski
  701-590-1254
  Peter Gardner
  206-914-5131
- **Division D**
  Terrell Flaharty
  504-214-7657
  Peter Gardner
  206-914-5131
- **Division E/F/G/H**
  Scott Grotness
  Peter Gardner
  206-914-5131

**Pipeline Group**
Jerry Mackay
918-285-0416
Donn Zuroski
415-971-6829

- **Excavation TF**
  Donn Zuroski
  415-971-6829
  Jason Musante
  213-479-2120
- **Culvert Section 2/3/4 TF**
  Mike Guidry
  337-526-8539
  Drew Engstrom
  307-251-6932

**Air Operations Branch**
Kyle Jellison
954-218-4935

**Law/Security Group**
B. Holmstad
805-452-7756

| 1. Incident Name | 2. Operational Period (Date/Time) | INCIDENT ORGANIZATION CHART |
|---|---|---|
| Refugio | From: 6/7/2015 06:00 To: 6/9/2015 06:00 | ICS-207-CG |

# PLANNING SECTION

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

**Field Observers**
Jim Smith
251-644-1785

**Situation Unit**
Kevin Kinsella 610-217-7846
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
Dave Price 707-322-6681

**Demobilization Unit**
Joe Lacanlale
206-484-2870

**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**
Dave Price
707-322-6681

**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.**
Jennifer Gold 805-450-8695
Josh Curtis 707-330-4122
Corey Kong

**SCAT Technical Advisor**
Carl Childs
206-856-8815

**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

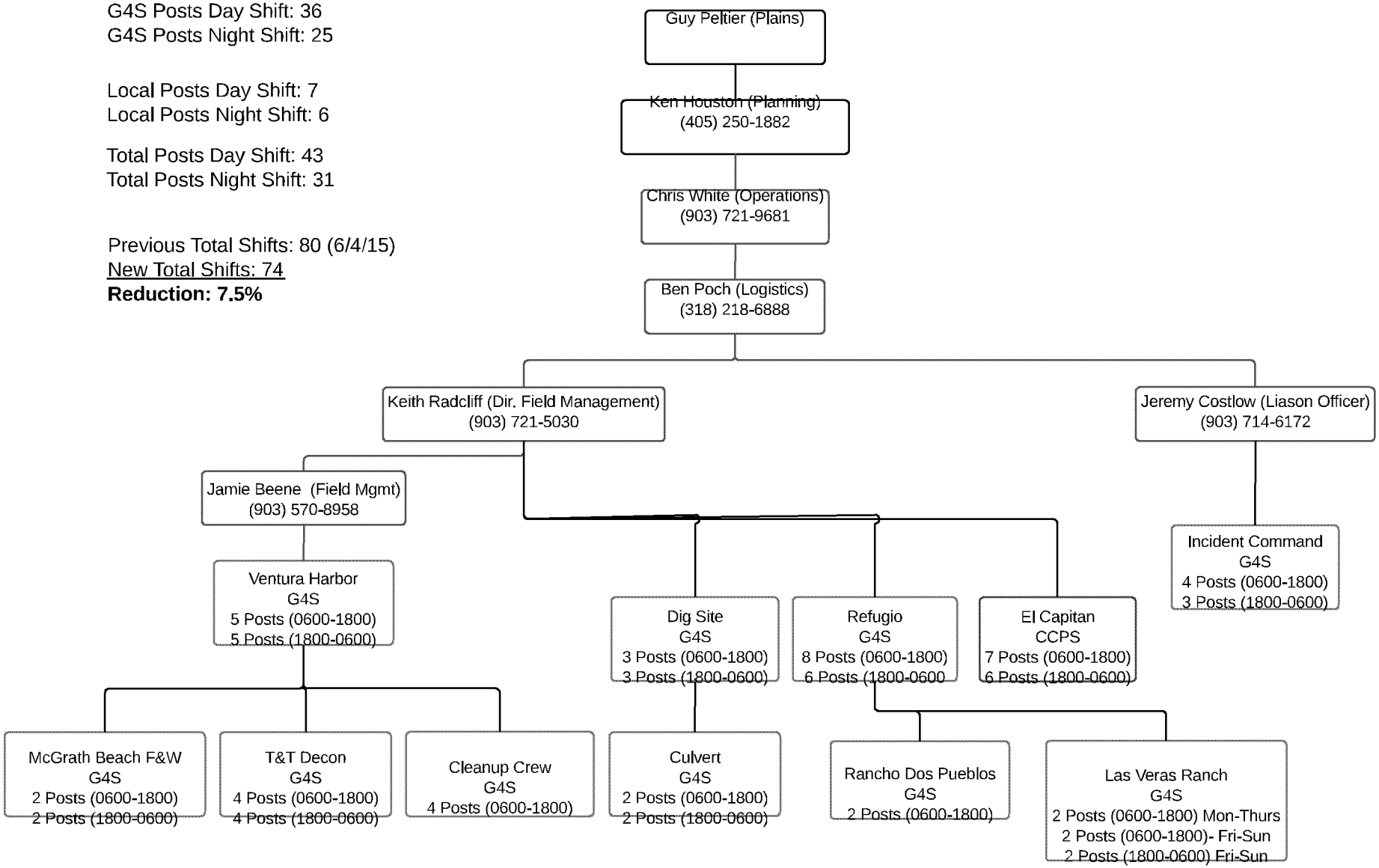
# Security Org Chart - Refugio Incident
# (6/6/15) Starting PM

G4S Posts Day Shift: 36
G4S Posts Night Shift: 25

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

Total Posts Day Shift: 43
Total Posts Night Shift: 31

Previous Total Shifts: 80 (6/4/15)
New Total Shifts: 74
**Reduction: 7.5%**



| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | Laird Henkel | CA DFW OSPR | 831-212-7665 |
| Division/Group Supervisor/STAM | Sarah Wilkin | NOAA | 240-429-9161 |

**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 | L.Henkel | 831-212-7665 | 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 | G. Potter | 619-823-1736 | 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 Stabilazation 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.

**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.

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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

**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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 |
|---|---|---|---|---|---|
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• 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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | | | |
| Division/Group Supervisor/STAM | Ed Boyes | Witt O'Brien's | 562-760-6940 |

**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 | 02/08/2015 11:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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 |
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| Mike Nosbaum | 02/08/2015 11:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | | | |
| Division/Group Supervisor/STAM | Lanny Kipp/K. Hanson | Plains All American Pipeline | 562-221-4510 |

**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 #2 Sorbent Boom Tows- In Shore | Kyle Hanson | 805-455-5502 | 0 | ST 2: FV Dorado, WB Timberwolf | X |
| 1 (each) | Strike Team #3 Snares (LCM) | Larry Smith | 805-233-0875 | 0 | M/V V368, WB Victoria, FV Maalea, FV Kathryn Ann, WB Theory, LCM Christopher G | X |

**7. Work Assignments**

**Strike Team #2**
**- Contain and recover free floating oil. Surveillance Helo (Air control #1) to direct offshore booming and recovery operation in a South to North configuration.**
**-Helo #1 will direct skimming operations in the nearshore areas to minimize oil impacting the shoreline.**
**-Task Force and Helo command and control will maximize oil encounter utilizing boom tow vessels. All boom boats secured at 2000 to Ventura.**
**-Vessel will recover available free floating oil.**

**Strike Team #3**
**Deploy snare, use anchor system to secure in place. (Snare deployed 75 feet off of shoreline)**

**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.**

-Site Safety Plan will be distributed via Ocean Sentinel on-scene. Offshore Response Team Memeber Report any distressed Wildlife to On-Water Group Leader Kyle Hanson @ 805-455-5502. Skimming vessesls to off-load recovered product to the OCEAN KEEPER.
-Helo to direct boom tows to maximize encounter rates for skimmers (TF#2 OCEAN DEFENDER / TF#3 OCEAN SENTINEL)
-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.

| 10. Prepared By | Date/Time | 11. Reviewed By (PSC) | Date / Time | 12. Reviewed By (OSC) | Date / Time |
|---|---|---|---|---|---|
| Mike Nosbaum | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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.

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 |
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| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | Jerry Mackey/Jason Bergeron | Plains All American Pipeline | 918-285-0416 |
| 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.

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.
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

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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

**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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

• 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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | Jerry Mackey/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 SB-I-S005 (Boulders) and SB-J-S001 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/J.

**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 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

| 10. Prepared By | Date/Time | 11. Reviewed By (PSC) | Date / Time | 12. Reviewed By (OSC) | Date / Time |
|---|---|---|---|---|---|
| Mike Nosbaum | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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 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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | Jerry Mackey/Jason Bergeron | Plains All American Pipeline | 918-285-0416 |
| Division/Group Supervisor/STAM | Jay Heaton/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 SB-K-S001 (Boulders) 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**

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 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 | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

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 | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

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 | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | Jerry Mackey | Plains All American Pipeline | 918-285-0416 |
| Division/Group Supervisor/STAM | Sal Rodriquez/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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

**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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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.
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• 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 |
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| Mike Nosbaum | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **ICS 204-CG** |

| 3. Branch | 4. Division/Group/Staging |
|---|---|
| Santa Barbara Recovery Branch | Division O/P |
| **Task Force/Strike Team** | **Team** |

| 5. Operational Personnel | Name | Affiliation | Contact#(s) |
|---|---|---|---|
| Operations Section Chief | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | Jerry Mackey/Jason Bergeron | Plains All American Pipeline | 918-285-0416 |
| Division/Group Supervisor/STAM | Levi Paulson/Dan Flynn | Plains All American Pipeline | 701-206-0417 |

**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 |
|---|---|---|---|---|---|

**7. Work Assignments**

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**

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.

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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.

**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

| 10. Prepared By | Date/Time | 11. Reviewed By (PSC) | Date / Time | 12. Reviewed By (OSC) | Date / Time |
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| Mike Nosbaum | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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 |
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| 3. Branch | 4. Division/Group/Staging | |
|---|---|---|
| Santa Barbara Recovery Branch | Division O/P | |
| **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 O/P 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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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

**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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **ICS 204-CG** |

| 3. Branch | 4. Division/Group/Staging |
|---|---|
| Santa Barbara Recovery Branch | Division Q/R/S/T |
| **Task Force/Strike Team** | **Team** |

| 5. Operational Personnel | Name | Affiliation | Contact#(s) |
|---|---|---|---|
| Operations Section Chief | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | Jerry Mackey/Jason Bergeron | Plains All American Pipeline | 918-285-0416 |
| Division/Group Supervisor/STAM | Tyler Keller/Josh Vetters | Plains All American Pipeline | 307-262-1421 |

**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 |
|---|---|---|---|---|---|

**7. Work Assignments**

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**

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.

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.

| 10. Prepared By | Date/Time | 11. Reviewed By (PSC) | Date / Time | 12. Reviewed By (OSC) | Date / Time |
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| Mike Nosbaum | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **ATTACHMENT ICS 204a** |

| 3. Branch | 4. Division/Group/Staging | |
|---|---|---|
| Santa Barbara Recovery Branch | Division Q/R/S/T | |
| **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 Q/R/S/T 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.
• Avoid marine mammal haul-out sites for harbor seal, elephant seal and/or California sea lion (Carpinteria)
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, light-footed clapper rails, Belding's savannah sparrows, 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

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|---|---|---|---|---|---|
| Mike Nosbaum | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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 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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **ICS 204-CG** |

| 3. Branch | 4. Division/Group/Staging |
|---|---|
| Ventura Recovery Branch | Division C |
| **Task Force/Strike Team** | **Team** |

| 5. Operational Personnel | Name | Affiliation | Contact#(s) |
|---|---|---|---|
| Operations Section Chief | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | Eric Heap | Plains All American Pipeline | 307-799-8258 |
| Division/Group Supervisor/STAM | Ed Shypkowski/Peter Gardner Cox | Plains All American Pipeline | 701-590-1254/206-914-5131 |

**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 |
|---|---|---|---|---|---|

**7. Work Assignments**

WORK ASSIGNEMENTS FOR PLACES WITHOUT RESOURCES

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 Oiled 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.

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 an immediate notification to Direct Supervisor.**

**HISTORICAL/CULTURAL GUIDELINES**

| 10. Prepared By | Date/Time | 11. Reviewed By (PSC) | Date / Time | 12. Reviewed By (OSC) | Date / Time |
|---|---|---|---|---|---|
| Mike Nosbaum | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **ATTACHMENT ICS 204a** |

| 3. Branch | 4. Division/Group/Staging | |
|---|---|---|
| Ventura Recovery Branch | Division C | |
| **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 A/B/C 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, western pond turtles, 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, 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.
• 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

| 10. Prepared By | Date/Time | 11. Reviewed By (PSC) | Date / Time | 12. Reviewed By (OSC) | Date / Time |
|---|---|---|---|---|---|
| Mike Nosbaum | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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.

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.
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.

**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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **ICS 204-CG** |

| 3. Branch | 4. Division/Group/Staging |
|---|---|
| Ventura Recovery Branch | Division D |
| **Task Force/Strike Team** | **Team** |

| 5. Operational Personnel | Name | Affiliation | Contact#(s) |
|---|---|---|---|
| Operations Section Chief | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | Eric Heap/Don Murphy | Plains All American Pipeline | 307-799-8258 |
| Division/Group Supervisor/STAM | Terrell Flaharty/Pete Gardner Cox | Plains All American Pipeline | 504-214-7657/206-914-5131 |

**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) | WCC 1 | Brian Moreno | 562-382-7286 | 10 | VN-D-S001, VN-D-S002, VN-D-S003 |

**7. Work Assignments**

WORK ASSIGNEMENTS FOR PLACES WITHOUT RESOURCES

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 Oiled 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.

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.

| 10. Prepared By | Date/Time | 11. Reviewed By (PSC) | Date / Time | 12. Reviewed By (OSC) | Date / Time |
|---|---|---|---|---|---|
| Mike Nosbaum | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

**Report All Injuries require an 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 | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **ATTACHMENT ICS 204a** |

| 3. Branch | 4. Division/Group/Staging | |
|---|---|---|
| Ventura Recovery Branch | Division D | |
| **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 D 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, western pond turtles, 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.
• Additional sensitive species potentially present include silvery legless lizard, California grunion, sandy beach tiger beetle, and globose dune beetle.
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.

| 10. Prepared By | Date/Time | 11. Reviewed By (PSC) | Date / Time | 12. Reviewed By (OSC) | Date / Time |
|---|---|---|---|---|---|
| Mike Nosbaum | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

• 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.

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.
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.

**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 | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **ICS 204-CG** |

| 3. Branch | 4. Division/Group/Staging |
|---|---|
| Ventura Recovery Branch | Division E/F/G/H |
| **Task Force/Strike Team** | **Team** |

| 5. Operational Personnel | Name | Affiliation | Contact#(s) |
|---|---|---|---|
| Operations Section Chief | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | Eric Heap/Don Murphy | Plains All American Pipeline | 307-799-8258 |
| Division/Group Supervisor/STAM | Drew Engstrom/Peter Gardner Cox | Plains All American Pipeline | 307-251-6932/206-914-5131 |

**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 | NRC 7 | David Villarreal | 310-629-1701 | 18 | VN-E-S001, VN-E-S002 |
| 1 | WCC 1 | Pete Esparza | 562-244-1190 | 25 | VN-E-S003 |
| 1 | OC Vac 2 | Robert Bader | 562-705-1554 | 25 | VN-E-S004, VN-E-S005, VN-E-S006, VN-E-S007 |
| 1 | WCC 2 | Tyler Showe | 562-685-4971 | 5 | VN-F-S001, VN-F-S002, VN-F-S003, VN-F-S004, VN-F-S005 |

**7. Work Assignments**

WORK ASSIGNEMENTS FOR PLACES WITHOUT RESOURCES

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 Oiled 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.

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**

| 10. Prepared By | Date/Time | 11. Reviewed By (PSC) | Date / Time | 12. Reviewed By (OSC) | Date / Time |
|---|---|---|---|---|---|
| Mike Nosbaum | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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 an 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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **ATTACHMENT ICS 204a** |

| 3. Branch | 4. Division/Group/Staging | |
|---|---|---|
| Ventura Recovery Branch | Division E/F/G/H | |
| **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 E/F/G/H 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, western pond turtle, 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.
• Avoid marine mammal haul-out sites for harbor seal, elephant seal and/or California sea lion (Mugu Lagoon)
• Additional sensitive species potentially present include silvery legless lizard, California grunion, sandy beach tiger beetle, and globose dune beetle, wandering skipper, and Point Mugu dune weevil.
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, including salt marsh bird's-beak, Ventura marsh milk-vetch.
• A biologist should look for nests and establish suitable buffer areas to prevent impacts
• For areas potentially occupied by tidewater gobies, light-footed clapper rails, Belding's savannah sparrows, 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

| 10. Prepared By | Date/Time | 11. Reviewed By (PSC) | Date / Time | 12. Reviewed By (OSC) | Date / Time |
|---|---|---|---|---|---|
| Mike Nosbaum | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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.

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.
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 | 06/06/2015 17:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | | | |
| Division/Group Supervisor/STAM | Jerry Mackey/Jason Musante | Plains All American Pipeline/EPA | 918-285-0416 |

**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 | Section 2/3/4 Task Force | Mike Guidry | 337-526-8539 | 0 | |
| 16 (each) | Pressure Washer | | | 0 | |
| 1 | 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 | 06/06/2015 16:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

- 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 | 06/06/2015 16:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | Kyle Jellison | Witt O'Brien's | 206-375-5559 |

**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 1 Overflight / Command and Control | John Belfield | 805-452-7619 | 2 | Aspen Helo for Command and Control Tactical | X |
| 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 |
|---|---|---|---|---|---|
| Mike Nosbaum | 02/08/2015 11:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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

| ICS 220 AIR OPERATIONS | REFUGIO INCIDENT | OP PERIOD: 41 |
|---|---|---|
| AIRPORT:<br>Signature Flight Support<br>515 Marxmiller Pl, Goleta, CA | | From June 7, 2015 0600 |
| Air Communications:<br>123.02 MHz, Marine VHF Channels 10 & 16 | Air Operations Branch Director<br>Kyle Jellison (954) 4935 8 | To June 9, 2015 060 |

**Temporary Flight Restriction (TFR) 5/59**
**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 t vicinity of Coal Oil Point.

Any complaints or concerns about air operatic affecting wildlife should be routed to Jeff of USFWS 415-652-6502 within Planning/EUL

**All helicopters are to remain 250ft altit higher around bluffs and workers.**

**Bell 206B 643**
**Tactical Guidance Helicopter**

0630
- John Belfield DPS Tactical Guidance

1000
- John Belfield DPS Tactical Guidance

**LUNCH BREAK**

1430
- John Belfield DPS Tactical Guidance

**Bell 407 7AC**
**VIP/Special Purpose**

0800 (2 hr)
- Jason Blevins
- Lanny Kippes

1030 (1 hr)
- VIP

1230 (1 hr)
- Jason Guzman plus 2 people

**LUNCH BREAK**

1500 (1hr)
- VIP

1700 (1 hr)
- VIP

Yesterday: 3 tactical flights and 4 special purpose flights

1

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | Ryan Crider | Plains All American Pipeline | 504-453-9724 |
| Branch Director | | | |
| Division/Group Supervisor/STAM | Bryan Holmsted | | 805-452-7756 |

**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 11:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

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 11:00 | A. Holton | 06/06/2015 17:00 | Ryan Crider | 06/06/2015 17:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | Jennifer Gold/Corey Kong | CDFW-OSPR JG 805-450-8695 CK 562-477-7081 | 805-450-8695 |

**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 | SB-K-01 | |
| 1 (each) | SCAT Team 2 | | | 3 | SB-J-01 | |
| 1 (each) | SCAT Team 3 | | | 3 | VN-G-01, 02 | |
| 1 (each) | SCAT Team 4 | | | 3 | VN-H-01 through 08 | |

**7. Work Assignments**

Report to ICP at 0700
Receive assignments and calibrate and sign site safety plan.
Complete SCAT assignments by 1400 return to ICP by 1500 for briefing with Scat Coordinator (Jennifer Gold on 6/7 and 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.

| 10. Prepared By | Date/Time | 11. Reviewed By (PSC) | Date / Time | 12. Reviewed By (OSC) | Date / Time |
|---|---|---|---|---|---|
| Mike Nosbaum | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

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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.
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**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 | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | Assignment List |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **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 | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

• 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 | 06/06/2015 18:00 | A. Holton | 06/06/2015 18:00 | Ryan Crider | 06/06/2015 18:00 |

## 3. Basic Local Communications Information

| Last Name | First Name | Organization | Phone |
|---|---|---|---|
| Abbey | Zack | Stantec | (805) 444-9262 |
| Abe | Kelly | Ca Fish & Wildlife | (916) 216-3964 |
| Abrams | Ricard | SB Co EM | (805) 896-6371 |
| Acosta | Jim | CAL OES | (714) 458-1271 |
| Acosta | Estevan | SB Locksmiths | (760) 704-7108 |
| Addassi | Yvonne | OSPR | (916) 956-1162 |
| 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 | Andrea | Coast Guard | (405) 833-3068 |
| Anderson | Michael | Coast Guard | (618) 201-1752 |
| Anderson | Michael | OSPR | (916) 826-1136 |
| 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 | 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 | 8054527619 |
| Benninghoven | Sheri | SB Co CEO | (805) 450-4886 |
| Berg | Mike | CTEH | (501) 517-5712 |
| Berg | Catherine | NOAA | (907) 529-9157 |
| 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 | 8058864367 |
| Blanchette | Carol | OSPR | (805) 403-9561 |
| Blevins | Jason | Plains | 2812174846 |
| Blumenfeld | Jared | US EPA | 4152152375 |
| Boelhouwer | Steve | SB ICT | 8055682656 |
| 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 | 7724531074 |
| Bourgeois | Shelley | Pace Analytical | (225) 337-6253 |
| Boyce | Jen | NOAA | 5622434696 |
| Boyd | Bill | Ventura Co OES | (805) 218-9009 |
| Boyes | Edward | WOB | (562) 760-6940 |
| Bradley | Jim | OSPR | (916) 292-2616 |

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|---|---|---|---|
| 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 | 8054513581 |
| Brownie | Kuk | Coast Guard | (310) 935-8606 |
| Bruce | Ian | EPA START | 5098455547 |
| 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 | 8059618833 |
| Cabral | Santos | Ca Fish & Wildlife | (949) 289-2928 |
| Caceres-Schnell | Carmen | AECOM | (818) 517-3126 |
| Caddell | Steven | Plains | 5626077991 |
| Cadenhead | Steve | WOB | (850) 605-6046 |
| Caesar | Jim | UC SB | (805) 450-1437 |
| Caillouet | Josh | CTEH | 9856371220 |
| Calanog | Steve | US EPA | 4155958350 |
| Caliguire | Mike | Patriot Environmental | (510) 965-3691 |
| Campbell | Gregory | NOAA | 7602719175 |
| 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 | 8059650313 |
| 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 | 5627562647 |
| Caten | Lisa | Plains | (251) 455-6835 |

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|---|---|---|---|
| Cavanagh | Michael | Coast Guard | 2163948400 |
| Cazier | Josh | SB Co FD | 8058966333 |
| Cera | Katy | Applied Earthworks | (805) 904-9406 |
| Chang | Lena | US Fish & Wildlife | 8183893156 |
| Chanley | Bob | AECOM | (805) 448-9320 |
| Chastain | Dennis | Ca Fish & Wildlife | (562) 505-8988 |
| Chedsey | Bob | OSPR | 7074166038 |
| 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 | 2516807911 |
| 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 |
| Conely | Mike | Ca Fish & Wildlife | 5599745837 |
| Connell | Mike | Ca Fish & Wildlife | 8053311867 |
| 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 | 3108645299 |
| Cosentino Mannin | Natalie | NOAA | 7072061642 |
| Costlow | Jeremy | ISS | (903) 714-6172 |
| Counseller | Jeff | Plains | (281) 450-7260 |
| Couture | Randy | Stantec | (805) 427-4863 |
| 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 | 5623106969 |
| 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 |
| Crossland | Darrol | SB Co FD | (805) 680-9388 |
| Cullen | Thomas | OSPR Administrator | (510) 517-8314 |
| Cummings | Stacy | NOAA | (202) 440-3521 |

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|---|---|---|---|
| Curran | Steven | Ca State Lands Com | (562) 590-5266 |
| Currie | Jon | Stantec | 6082207768 |
| 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 | 6314498176 |
| Daniel | Travis | Coast Guard | 8506969204 |
| Dann | Jeffrey | Plains | (713) 201-3548 |
| Darst | Cat | US Fish & Wildlife | (805) 607-9937 |
| Davis | Cory | CTEH | (501) 258-7881 |
| Davis | Kathryn | UC SB | 8313201770 |
| Dayton | Jeff | OSPR | (707) 498-0518 |
| Dean | Charity | SB Co Public Health | (805) 896-2229 |
| 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 | 9857100629 |
| 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 | 8052231718 |
| Dillard | John | Weber Shandwick | 9175018155 |
| Dinarte | Rudy | Applied Earthworks | 7604903413 |
| 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 | 3152780922 |
| Doss | Ryan | Coast Guard | (305) 542-8127 |
| Dostal | Jamie | Ca Fish & Wildlife | 8052076453 |
| Douma | Jason | Clean Harbors | 2313845451 |
| 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 | 3039561873 |

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|---|---|---|---|
| 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 | 8058446324 |
| Eidman | Mike | Plains | 2812173707 |
| 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 |
| Enos | Woody | SB Co FD | (805) 896-6404 |
| Erlandson | Jon | Historical Dynamics | (541) 285-7346 |
| Esparza | Bea | WCES | 5622441211 |
| Espinoza | Jesica | US Fish & Wildlife | (310) 678-4903 |
| Estabrook | Adam | SB Co FD | (805) 895-9290 |
| 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 | 8312330723 |
| Fearon | Anne | SB Co | (805) 835-5718 |
| Fenske | Jacob | CTEH | (501) 584-8239 |
| Ferguson | Jeffrey | NOAA | 3013517798 |
| 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 | 8057056228 |
| 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 |
| Fossum | Drew | Plains | 5872843787 |
| Foto | James | OSPR | 3106833032 |

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|---|---|---|---|
| Franco | Rudy | CHF | 8054068918 |
| Frangis | Alexis | Ca DPR | (805) 207-9469 |
| Frash | Jason | BRI | (805) 758-8301 |
| Friberg | Christina | Applied Earthworks | 2016152751 |
| 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 | 8059346130 |
| Garcia | Sau | Ca Fish & Wildlife | 5628432714 |
| Garcia | Henry | ACTI | (661) 979-8677 |
| Garcia | Janet | COCC | (805) 451-8757 |
| Garcia | Quntan | CFD | 8058352328 |
| Garcia | Cheyenne | Ca Volunteers | 9169143386 |
| Gardner | Terry | Pacific Petro | 8058689008 |
| Gardner-Cox | Peter | WOB | (206) 914-5131 |
| Geis | Robert | SB Co | 8058964210 |
| Gellerman | Holly | OSPR | (916) 747-0611 |
| Geraghty | Brendon | WOB | (562) 217-0791 |
| Gibbons | Tom | Pacific Petro | 8053107625 |
| 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 |
| Goglia | Michael | Coast Guard | (610) 517-2318 |
| Gold | Jennifer | Ca Fish & Wildlife | (805) 450-8695 |
| Goleman | David | OSPR | 7077381468 |
| Gollhofer | Bryan | Ca Fish & Wildlife | (562) 707-7757 |
| Gomez | Roberto | Plains | 8058636606 |
| 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 | 7137251193 |
| Gratcofsky | Joe | US DOT | (303) 725-3200 |
| Graves | Matt | WGR | 7245847885 |
| Gray | Jerry | SB Co FD | (805) 967-3956 |
| Green | Amanda | Coast Guard | 5624725352 |

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|---|---|---|---|
| Greenman | Justin | NOAA | 8153541864 |
| Greer | Matt | Plains | 6612047661 |
| Grennan | James | Ca State Parks | (805) 909-1219 |
| Griffeth | Jason | Plains | 9182850768 |
| 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 | 8056815542 |
| Haffner | Craig | OSPR | (707) 718-6948 |
| Hagan | Julia | BSSE | (805) 377-3872 |
| Hall | Susan | Stantec | 3172947292 |
| Hamilton | Paul | Ca Fish & Wildlife | (530) 713-1517 |
| Hammond | Skip | Plains | 8053102064 |
| Hampton | Steve | OSPR | 9169560949 |
| Hanson | Kyle | Clean Seas | (805) 455-5502 |
| Harris-Bishop | Rusty | US EPA | (415) 972-3140 |
| 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 | 9177233441 |
| Heap | Eric | Plains | (307) 799-8528 |
| Hebert | Allen | Plains | (661) 204-0188 |
| Heckman | Rob | SB Co FD | (805) 681-5501 |
| Henderson | John | US Fish & Wildlife | (916) 799-0588 |
| Henkel | Laird | OSPR | (831) 212-7665 |
| Henning | Kirk | Stantec | 8059954050 |
| Henry | Stephen | US Fish & Wildlife | (805) 701-5744 |
| Henson | Chris | SB Co | 8055682197 |
| Herman | Stephanie | OSPR | 5309796099 |
| Hernandez | Claudio | SB Co FD | (805) 896-6339 |
| Hicks | Eric | Stantec | (619) 246-0951 |
| Higgins | Damian | US Fish & Wildlife | (916) 943-8529 |

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|---|---|---|---|
| Hjelstrom | Eric | Ca DPR | (805) 331-2740 |
| Hochleutner | John | Pacific Petro | (805) 260-5000 |
| Hodgins | Patrick | Plains | (281) 467-3658 |
| Hoffman | Michaela | Padre | 9496321042 |
| Hole | Zoe | Stantec | (604) 362-6404 |
| Hollabaugh | Scott | Plains | (918) 285-1241 |
| Holland | Lora | Coast Guard | (409) 527-2022 |
| Holland | Michael | CTEH | (518) 796-4151 |
| Holmes | Capt John | ACTI | (310) 347-6350 |
| Holmes | John | ACTI | (310) 734-9125 |
| Holt | Jesse | Plains | 9185219421 |
| Holton | Aaron | WOB | 9852906634 |
| Hooper | Michael | LA OEM | (213) 792-4237 |
| Hoover | Kelly | SB SO | (805) 636-3478 |
| 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 | 4052501882 |
| Hubbard | David | UC SB | (805) 698-1119 |
| Huber | Brian | Ca Fish & Wildlife | 8058610843 |
| Hudson | Jennifer | OSPR | (916) 548-2683 |
| 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 | 8057297692 |
| Ishikawa | Cynthia | US DOT | (909) 937-7229 |
| Ives | Genelle | SB Co | 9496774129 |
| Jacobs | Todd | NOAA | 8054551981 |
| Jacoby | James | Plains | (562) 305-2406 |
| Janousek | Matt | Plains | (805) 320-4592 |
| Jaques | Deborah | CDFW | (503) 298-0599 |
| Jellison | Kyle | WOB | (954) 218-4935 |
| Jennings | Kathleen | OSPR | 7073720103 |
| Jernigan | Kathleen | Applied Earthworks | (559) 392-5840 |
| Joab | Bruce | Ca Fish & Wildlife | (916) 826-0166 |
| Johnsen | Jeff | Stantec | (630) 991-0211 |
| Johnson | Stephanie | US Fish & Wildlife | (310) 743-5849 |
| Johnson | Cordell | USGS | (530) 906-3959 |

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|---|---|---|---|
| Johnson | Curt | WOB | (774) 238-2660 |
| Johnson | Bryan | WCES | 8284073033 |
| Johnson | Ashley | Coast Guard | (906) 373-9499 |
| Johnson | Amanda | Ca Fish & Wildlife | 9165398040 |
| Johnson | Cathy | US Fish & Wildlife | (916) 622-3163 |
| Johnson | Kenneth | Plains | 9182856236 |
| Johnston | Jason | SB Co Public Health | 8053155805 |
| Johnston | Stewart | SB Co CEO | (805) 680-7637 |
| Jones | Hank | Plains | 4056597887 |
| Jones | Steve | Special Tech Lab | (805) 403-5603 |
| Jones | Kevin | SB Co FD | (805) 717-2332 |
| Jude | Jason | Pace Analytical | 9165919177 |
| 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 | 9256409997 |
| Kennedy | Douglas | Plains | 7133765375 |
| Kennedy | Kirsten | Plains | 8329935264 |
| 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 | 2136639784 |
| Kossoff | George | SB Co | (805) 896-2224 |
| Kownacki | Alexa | NOAA | (858) 761-7424 |

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|---|---|---|---|
| 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 | 7143301026 |
| Laiblin | Eric | Plains | (661) 910-4014 |
| LaMoria | Brian | Coast Guard | 4438346302 |
| Lang | Alfred | Ca Trans | (805) 459-2271 |
| Lankenau | Doug | OSPR | (415) 710-0243 |
| Lapiers | Spencer | UP RR | 7143215413 |
| 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 | 4018296628 |
| 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 | 8053662747 |
| Leifer | Ira | BRI | 8052523636 |
| Leighton | Jennifer | Padre | (805) 644-2220 |
| Lemkau | Karin | UC SB | (937) 681-0315 |
| Lent | Dan | OSPR | (510) 220-4192 |
| Leone | Brad | Plains | (281) 806-9911 |
| Letter | Chris | Padre | 8476566654 |
| 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 |
| Litzinger | James | Coast Guard | (843) 822-1491 |
| Lloyd | Jay | Applied Earthworks | 5592872137 |
| 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 | 6619784908 |
| Loyst | Dennis | City of Goleta | (805) 962-0763 |

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|---|---|---|---|
| Loza | Arturo | Plains | 7014401643 |
| Lulejian | Jerry | SB Co DA | (805) 709-2631 |
| lunkins | Ken | NOAA | (530) 210-6936 |
| 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 | 3105675655 |
| Mack | Becky | OSPR | (916) 216-1303 |
| Mackey | Jerry | Plains | (918) 285-0416 |
| Macon | Rhianna | Coast Guard | (415) 722-1749 |
| Macphee | Walt | CTEH | 5012769016 |
| Magdasy | Bret | CTEH | (206) 841-0846 |
| Mahoney | Lourdes | CTEH | (813) 391-4657 |
| Majel | Lucia | COCC | 9515149789 |
| 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 | 5616545583 |
| Martin | Gene | Native Energy | (564) 714-0519 |
| Martin | Jacob | US Fish & Wildlife | (805) 612-2786 |
| Martinez | Juan | Plains | 6619784913 |
| Marvin | Karen | Plains | (562) 756-2575 |
| Mati | Waiya | Wishtoyo | (805) 794-1248 |
| Matthews | Meredith | Plains | (281) 217-0042 |
| Maynard | Patrick | Ventura Co OES | 8057973623 |
| 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 |
| McClellan | Sheridan | Coast Guard | (860) 326-4334 |
| McCleneghan | Kim | OSPR | 9169566603 |
| McClure | Bill | Global Security | (405) 850-2898 |
| McClure | Mark | LK Mizota & Assoc | 8054522405 |
| McGlinchey | Yolanda | SB City | (805) 331-2414 |
| Mcgowan | Kevin | Ventura Co OES | 8057976450 |
| McKinney | Tyson | Ca DOGGR | (805) 440-7280 |
| McLane | Tom | Plains | (832) 584-3314 |

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|---|---|---|---|
| Mclaughlin | Charles | Cleanseas | (805) 985-5416 |
| McMichael | Rick | Plains | (713) 254-5385 |
| McMorran | Robert | US Fish & Wildlife | 9515325904 |
| McVay | Brad | SB Co Sheriff | 8056175735 |
| Mears | Glen | Plains | (661) 204-8749 |
| Meer | Dan | US EPA | 4159716792 |
| 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 | 2259365261 |
| Millard | Hollis | C-K Associates | (281) 684-3433 |
| Miller | Pat | SB Co | (619) 203-3008 |
| Millner | Christine | CTEH | (501) 258-0915 |
| Milstein | Eric | OSPR | 9162061078 |
| 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 | 6193223989 |
| Mogharabi | Nahal | US EPA | 2135144361 |
| Mohos | Joseph | NRDA | 8186013024 |
| Molon | | COCC | 8057227389 |
| Monahan | Eileeen | SB Co | 8054518720 |
| Mooney | Dan | OSHA | 9252027485 |
| Moore | Kelly | SB Co Sheriff | (805) 689-9629 |
| 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 | 7602715443 |
| 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 | 3605400306 |

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|---|---|---|---|
| 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 |
| Neels | David | SB Co FD | 8056801768 |
| 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 | 2252526526 |
| Nisich | Terri | SB Co | (805) 450-8296 |
| Nocerino | Eric | Applied Earthworks | 7208836507 |
| Nocker | Nicolas | SB Co | (805) 637-1970 |
| Norris | Wyn | OMI | 2817955767 |
| 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 |
| Olmstead | Chris | SB Co FD | (805) 896-6341 |
| Olson | Mark | Plains | (281) 435-4957 |
| Ormonde | Scott | Pacific Petroleum | (805) 260-7889 |

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|---|---|---|---|
| Orr | Jason | SB Co FD | (661) 305-2630 |
| Orr | Howard | SB Co FD | 8057945102 |
| 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 |
| Parsonsfield | Avrey | UC SB | (805) 453-1337 |
| Passalacqua | David | Ponder | (707) 303-4328 |
| Patino | Juan David | USCG | (251) 751-9820 |
| Patterson | Donald | SB OEM | 8056961191 |
| Paulson | Levi | Plains | 7014496956 |
| Pavel | Kai | Stantec | (805) 648-1499 |
| Pawson | Kevin | Clean Harbors | (310) 413-1829 |
| Peak | Jessica | SB Co | 8052342337 |
| Pelato | Nelson | CHF | (805) 693-9320 |
| Peljhan | Marko | BRI | (805) 705-1385 |
| Peltier | Guy | Plains | (281) 217-0012 |
| Perez | Silvano | NL IMC | (805) 450-0842 |
| Perez | Vince | Coast Guard | (843) 209-0046 |
| Permut | Melissa | Veg-land Inc | 7143560571 |
| 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 | 3182186888 |
| Poley | Jason | SB Co | (805) 896-1534 |
| Polish | Rachel | Coast Guard | 4157137224 |
| Polos | Marguerite | SB City | (805) 689-8985 |
| Pond | Rachel | CSUF | (650) 804-6482 |
| Ponder | Jim | Ponder | (707) 333-6260 |
| Pope | Allison | Coast Guard | 7857661098 |
| Posekian | Keith | Stantec | (805) 338-5650 |
| Poulter | Simon | Stantec | 8057011581 |
| Price | Dave | Ca Fish & Wildlife | 7073226681 |
| Pritchett | Daniel | SB Co FD | 8056807512 |

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|---|---|---|---|
| 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 | 3867560436 |
| 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 |
| Rendon | Jason | Coast Guard | (808) 628-0062 |
| Retallack | Alexia | OSPR | (916) 952-3317 |
| Reyes | Jason | Aerotek | (310) 663-3775 |
| Reyes | Adam | OSPR | 9168695116 |
| Reyes-Martin | Luz | City of Goleta | 7145017158 |
| Rhodes | Dale | CTEH | (360) 595-7718 |
| Riach | Mike | SB Co FD | (805) 766-8157 |
| Richards | Daniel | Tenera | (805) 794-5762 |
| 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 | 6613616256 |
| 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 | J.Rudy | Plains | (562) 833-6684 |
| Rodriguez | Sal | Plains | 9253498269 |
| Rogers | Richard | Ca Fish & Game Comm | 8054552944 |
| Rogow | Michelle | US EPA | 4155958347 |
| Romero | Gilbert | CHF | (805) 325-3043 |
| Romero | Amado | Applied Earthworks | (805) 680-6949 |
| Romero | Freddie | SYCM | (805) 688-7997 |
| Romo | Ben | SB Co | 8056807623 |
| Root | Mary | US Fish & Wildlife | (805) 646-4748 |
| Root | Roger | US Fish & Wildlife | 8057015754 |

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|---|---|---|---|
| Rosenberg | Dennis | Ca Fish & Wildlife | (805) 814-4183 |
| Ross | Craig | Coast Guard | 3154126810 |
| Ross | Shaun | Coast Guard | (415) 720-4166 |
| Royal | Chris | Coast Guard | 9063226455 |
| Ruder | Mark | Plains | 6619104105 |
| Rudley | Mike | Patriot Environmental | 5622442270 |
| Ruellle | Danielle | Coast Guard | (781) 307-6640 |
| Rugaard | Karen | Plains | (281) 216-8347 |
| Russell | Evan | Coast Guard | 2516352235 |
| Ryman | Dana | CTEH | (409) 692-0387 |
| Safechuck | Scott | SB Co FD | (805) 208-1158 |
| Sanchez | Carlos | NRC | (510) 915-4052 |
| Sanchez | Martin | Ca Trans | 8054415188 |
| Sanford | Gary | Plains | (713) 534-7150 |
| Santacana | Cesar | Coast Guard | (805) 896-6788 |
| Santonil | Malinda | OSPR | 5624999699 |
| 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 | 8052184812 |
| Schommer | Mike | OSPR | (707) 416-1141 |
| Schooler | Nick | OSPR | (805) 570-4850 |
| Schroeder | Richard | SB Co FD | (805) 689-5288 |
| Schulte | Todd | Plains | (307) 797-3379 |
| 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 | 9046290805 |
| 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 |

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|---|---|---|---|
| Sheaff | Jessica | SB Co | 8054060116 |
| Shestag | Carol | Stantec | (805) 509-0377 |
| Shiraishi | David | OSHA | 5104109414 |
| Shorr | Ben | NOAA | (206) 280-5336 |
| Shuman | Craig | Ca Fish & Wildlife | (916) 215-9694 |
| Shypkoski | Ed | Plains | 7015901254 |
| Sides | Mark | Plains | (281) 793-5179 |
| Siemann | Taylor | Patriot Environmental | 8056793297 |
| Simmons | David | US Fish & Wildlife | (805) 665-8029 |
| Simmons | Matt | Clean Seas | 9542322968 |
| Sironen | Heather | OSPR | (916) 730-9992 |
| Skelton | Scott | CTEH | 5019529621 |
| Slaman | Joe | Plains | (562) 254-3497 |
| Slater | Darell | SB Lockmiths | (805) 963-3333 |
| Slayman | Jennifer | SB Co | (805) 680-3507 |
| Smith | James | Coast Guard | 2516441785 |
| Smith | Brent | Plains | 7135401397 |
| 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 | Nicki | OSPR | (916) 849-0518 |
| snavely | Stephen | OSPR | (916) 327-2297 |
| Sodusta | Jaime | SB Co | (805) 705-1341 |
| Spear | Kristen | Kelly Services | 8055010363 |
| 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 | 5623436787 |
| Stewart | Loumania | Coast Guard | (801) 603-6980 |
| Stewart | Joe | OSPR | 9162058661 |
| Stifel | Este | US BLM | (703) 424-0802 |
| Stoddard | Matt | SB Co FD | (805) 268-2991 |
| Stornetta | Anthony | SB Co FD | (805) 423-6406 |
| Storrer | John | SB Co Energy | (805) 689-5982 |
| Stout | Jordan | NOAA | (206) 321-3320 |
| Strauch | Slade | Plains | (281) 217-2584 |

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| Stroud | Fred | US EPA | 7026823272 |
| Struble | George | Ca Fish & Wildlife | 8189681087 |
| Stultz | Dale | OSPR | (530) 768-4767 |
| Su | Wendy | US EPA | (415) 947-4554 |
| Sugarman | Susan | Ca Fish & Wildlife | 9162158284 |
| Sullivan | Laurie | NOAA | (707) 320-7232 |
| Sullivan | Brett | Padre | (805) 801-7651 |
| Summerfield | Scott | SB Co | 5107144470 |
| Syre | Chris | Ca Fish & Wildlife | (562) 522-2950 |
| Tai | Suu-Va | Ca Volunteers | (414) 425-1514 |
| Tamargo | Tim | Coast Guard | (409) 370-7400 |
| Tapawan | Lexter | NOAA | (206) 934-0357 |
| 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 | 6614353372 |
| Thixton | Chris | Ca Fish & Wildlife | (562) 233-7095 |
| Thom | Bryan | NOAA | (410) 937-7403 |
| Thomas | George | Stantec | (805) 276-4885 |
| Thompson | Eric | NOAA | (805) 910-9707 |
| Thornton | Carl | SB Co | (805) 207-3653 |
| Tivey | Dennis | Co SB Social Serv | (805) 689-8055 |
| Todd | Ryan | Ca Fish & Wildlife | 9166980036 |
| Toney | Joe | SB Co Exec Office | (509) 251-8393 |
| Topliffe | Carrie | SB Co | (805) 570-6970 |
| Torres | Sonia | OSPR | 5623706794 |
| Toufar | Dana | FEMA | (202) 440-2396 |
| Touth | Jane | US Dept Interior | (805) 320-3170 |
| Trego | Marisa | NOAA | (650) 888-8609 |
| Trevino | Linda | BCM | 8052640542 |
| Troy | Bob | SB OEM | 8058838036 |
| Tryon | Thea | CCWB | (805) 542-4776 |
| Tumamait | Julie | BVBMI | (805) 646-6214 |
| Turner | Keith | Plains | (562) 216-3281 |
| Turner | Adam | Plains | 6619108729 |
| Unzueta | Gil | Applied Earthworks | 8058077179 |
| Valentine | David | UC SB | (805) 729-5431 |
| Valenzuela | Noe | OC&C | 5622346584 |
| Valenzuela | Troy | Plains | (713) 444-6984 |
| Vanderwier | Julie | US Fish & Wildlife | (805) 665-7200 |
| Velez | Patty | OSPR | (831) 649-2876 |

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|---|---|---|---|
| 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 | 4154971950 |
| Vollbrecht | Kevin | NOAA | (818) 929-5416 |
| Von Der Leith | Dion | Ca State Parks | 8053318022 |
| Voss | James | NRVP | (909) 648-6313 |
| Vreeland | Mary | CTEH | (310) 944-1914 |
| 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 | 4159401109 |
| Waters | Kris | NOAA | 8057917876 |
| Watson | Kyle | Global Diving | 2069638138 |
| Weaver | Charles | Clean Harbors | 2313841347 |
| Weaver | Jennifer | NOAA | 3863416917 |
| Weaver | Bryan | SB Co FD | 8058966338 |
| Weber | Michael | Stantec | 8054778580 |
| Weigand | Jim | USDI BLM | (916) 716-4809 |
| Welch | Billy | Plains | (432) 413-9391 |
| Wells | Anne | City of Goleta | (805) 637-4397 |
| Welsh | Michael | NOAA | 3037172866 |
| 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 | Tony | SB Co FD | (805) 895-5007 |
| White | Chris | ISS | (903) 721-9681 |
| White | Cassandra | OSPR | 9165082641 |
| White | Jennifer | NOAA | 9856349912 |
| 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 | 2404299161 |
| Williams | Bailey | CTEH | (501) 516-9060 |
| Williams | Darren | ACTI | (661) 747-6444 |
| Williams | Vincent | Coast Guard | 7575678636 |
| Wilson | Colby | Plains | (210) 248-4432 |
| Wilson | Allison | Plains | (213) 925-9633 |

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|---|---|---|---|
| Wilson | Ken | OSPR | (805) 558-1006 |
| Witting | David | NOAA | (562) 508-3264 |
| Wolf | Janet | SB Co Supervisor | 8055682191 |
| Wolff | Jean-Pierre | CCWB | (805) 234-7196 |
| Wong | Howard | LA FD Inv | (213) 725-6313 |
| Woods | Ron | Clean Harbors | (831) 251-5107 |
| Workman | Darin | WOB | 9852014339 |
| Wright | Kelvin | WGR | 3239520718 |
| Wright | Johnny | Plains | (432) 638-6363 |
| Wright | Rob | SB Co Sheriff | 8058965371 |
| Wrobel | Mark | Clean Seas | 3106132566 |
| Young | Matt | Co SB Planning | 8055682513 |
| Young | Rebecca | NOAA | (805) 893-6420 |
| Young | Collen | CA Fish & Wildlife | 8312127010 |
| Yukihiro | Richard | Patriot Environmental | 5622442764 |
| Zane | Jeff | Stantec | 8053405768 |
| 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 | 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<br>Location: Refugio Staging | 2. Operational Period 10 (Date / Time)<br>From: 06/0→ /2015 0600 To: 06/0← /2015 0559 | MEDICAL PLAN<br>ICS 206-CG |
|---|---|---|

**3. Medical Aid Stations**

| Name | Location | Contact # | Transport Availability |
|---|---|---|---|
| Medical Station/Field Nurse | Refugio Staging<br>193 Refugio Road Goleta, CA 93117 | 805-451-0971 | No |
| CTEH Rapid Responder Teresa Lindsey, CNA obtaining entry and exit vital signs on Haz-Mat workers | Culvert SIte | 501-858-8805 | No |
| Chumash Fire Department<br>EMT basic | Gaviota Coast | Gilbert Romero<br>805-325-3043<br>Nelson Palato<br>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<br>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<br>(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<br>(air medical transport team with hoist capabilities) | 906 Airport Road Santa Ynez, CA 93460 | 805-692-5723<br>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<br>510-437-3701<br>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<br>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**

- 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.
- 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.
- All illnesses and injuries will be reported on Incident Reporting Line 805-451-1014.

Essential reporting information for EMS provider

- Nature of injury
- Location of patient and point of contact
- Point of contact
- Age and gender of patient

| **7. Prepared by: (Medical Unit Leader)** | **8. Reviewed by: (Safety Officer)** | **Date/Time** |
|---|---|---|
| Michael Holland MD/ Lisa Caten DMUL | | |

| 1. Incident Name: Refugio<br>Location: Ventura Decontamination Group | 2. Operational Period (Date / Time)<br>From: 0600 06/0→ /2015 To: 0559 06/0← /2015 | **MEDICAL PLAN**<br>**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 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

**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 |
| | | | | | | |
| | | | | | | |

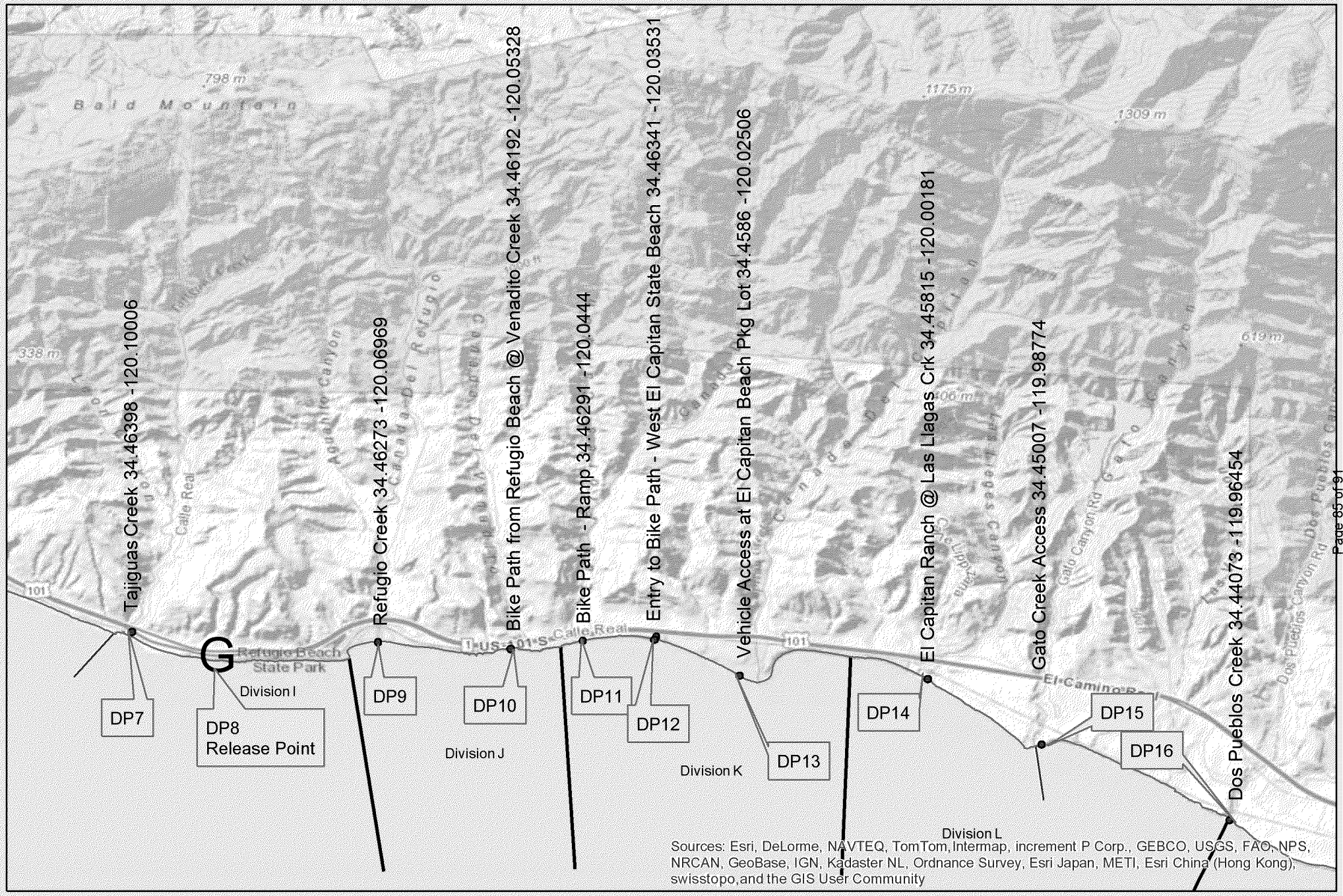
**6. Special Medical Emergency Procedures**

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/ Lisa Caten DMUL | 06/05/15 | | |




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

# 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<br>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: 06/06/2015 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

## TODAY (JUNE 06)

**SKY/WEATHER:** MOSTLY CLOUDY THEN BECOMING PARTLY CLOUDY.
**TEMPERATURE:** MAX 64-68.
**RH:** MIN 55-60 PERCENT.
**WIND (20 FT):** VARIABLE 3-6 MPH BECOMING SOUTHWEST TO WEST 10-15 MPH IN THE AFTERNOON. OCCASIONAL GUSTS TO 15-20 MPH LATE THIS AFTERNOON. MAINLY AWAY FROM THE SHORE.
**SWELL HEIGHT:** WEST 2-3 FEET.
**SWELL PERIOD**: 10 SECONDS.
**WIND WAVE:** 1 FOOT IN THE MORNING...THEN 2-3 FEET IN THE AFTERNOON.
**TIDAL INFO:**

## TONIGHT (JUNE 06)

**SKY/WEATHER**: PARTLY CLOUDY EARLY THEN BECOMING MOSTLY CLOUDY.
**TEMPERATURE:** MIN 52-55.
**RH:** MAX 90-100 PERCENT.
**WIND (20 FT):** SOUTHWEST TO WEST 10-15 MPH IN THE EVENING. BECOMING VARIABLE 3-6 MPH BY MIDNIGHT. OCCASIONAL GUSTS 15-20 MPH THROUGH 9 PM PDT. MAINLY AWAY FROM THE SHORE.
**SWELL HEIGHT:** WEST 2-3 FEET.
**SWELL PERIOD**: 10 SECONDS.
**WIND WAVE:** 2-3 FEET EARLY. SUBSIDING TO AROUND 1 FOOT BY MIDNIGHT.
**TIDAL INFO:** LOW TIDE AT 1815
**SUNSET:** 2009

## TOMORROW (JUNE 07)

**SKY/WEATHER:** MOSTLY CLOUDY IN THE MORNING THEN BECOMING MOSTLY SUNNY.
**TEMPERATURE:** MAX 66-70.
**RH:** MIN 45-55 PERCENT.
**WIND (20 FT):** VARIABLE 3-6 MPH. BECOMING SOUTHWEST TO WEST 10-15 MPH IN THE AFTERNOON. OCCASIONAL GUSTS TO 15-20 MPH LATE IN THE AFTERNOON. MAINLY AWAY FROM THE SHORE.
**SWELL HEIGHT:** WEST 1-3 FEET.
**SWELL PERIOD**: 10 SECONDS.
**WIND WAVE:** 1 FOOT IN THE MORNING...THEN 2-3 FEET IN THE AFTERNOON.
**TIDAL INFO:** HIGH TIDE 0053, LOW TIDE 0812, HIGH TIDE 1518

| 1. Incident Name | 2. Operational Period (Date/Time) | Operational Period | DAILY MEETING |
|---|---|---|---|
| Refugio Incident | **From** 06/07/2015 06:00 **To** 06/09/2015 05:59 | Ops Period 14 | **SCHEDULE ICS 230-CG** |

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

| Date/Time | Meeting Name | Purpose | Attendees | Location |
|---|---|---|---|---|
| 06/07/2015 05:00 | 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 |
| 06/07/2015 07:30 | ICP Briefing | Brief ICP personnel on activities accomplished and activities planned. | ICP Personnel | Goleta ICP |
| 06/07/2015 12:30 | Operations Tactics Validation | Validate operations tactics for the next operational period. | OPS, PSC, SOFR, SITL, Branch Directors | Goleta ICP |
| 06/07/2015 18:00 | Unified Command Brief | Brief Unified Command on the day's activities including SCAT. | UC, Command Staff and General Staff, SITL, EUL | Goleta ICP |
| 06/08/2015 05:00 | Operations Briefing | Present IAP and assignments to Field Supervisors | Operations Section | Refugio State Beach |
| 06/08/2015 07:30 | ICP Briefing | Brief ICP personnel on activities accomplished and activities planned. | ICP Personnel | Goleta ICP |
| 06/08/2015 08:00 | UC Objectives Meeting | Review and update objectives | Unified Command, PSC | Goleta Command Post |
| 06/08/2015 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 |
| 06/08/2015 14:00 | 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 |
| 06/08/2015 17:30 | 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 |
| 06/08/2015 18:00 | SCAT Briefing | Brief the Unified Command on SCAT activities | Unified Command | Goleta Command Post |
| 06/08/2015 19:00 | IAP Approval | Present the IAP to the Unified Command for approval. | IC/UC, PSC | Goleta Command Post |

| 4. Prepared by (Situation Unit Leader) | Date / Time |
|---|---|
| Aaron Holton | 06/06/2015 06:40 |