

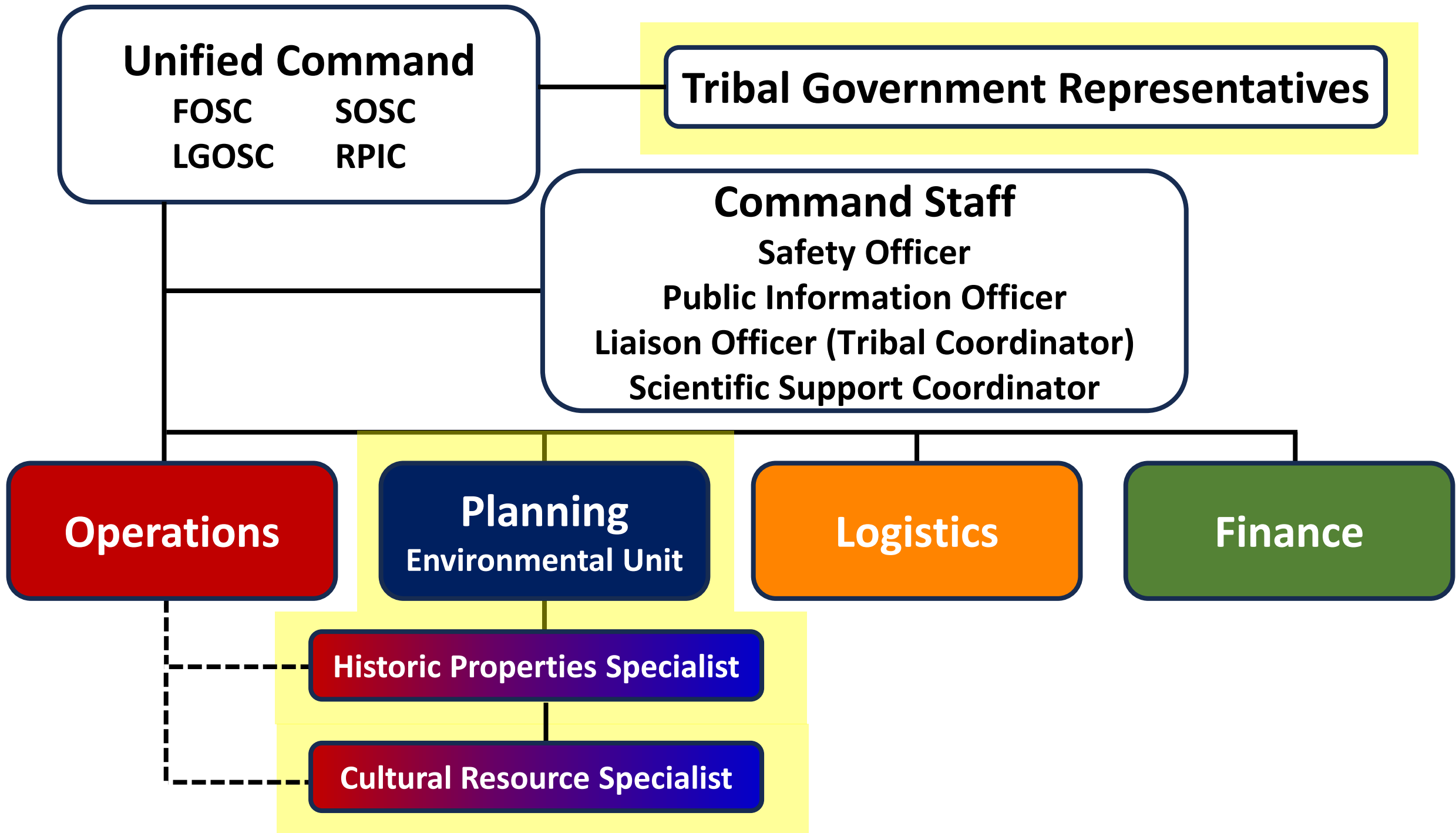


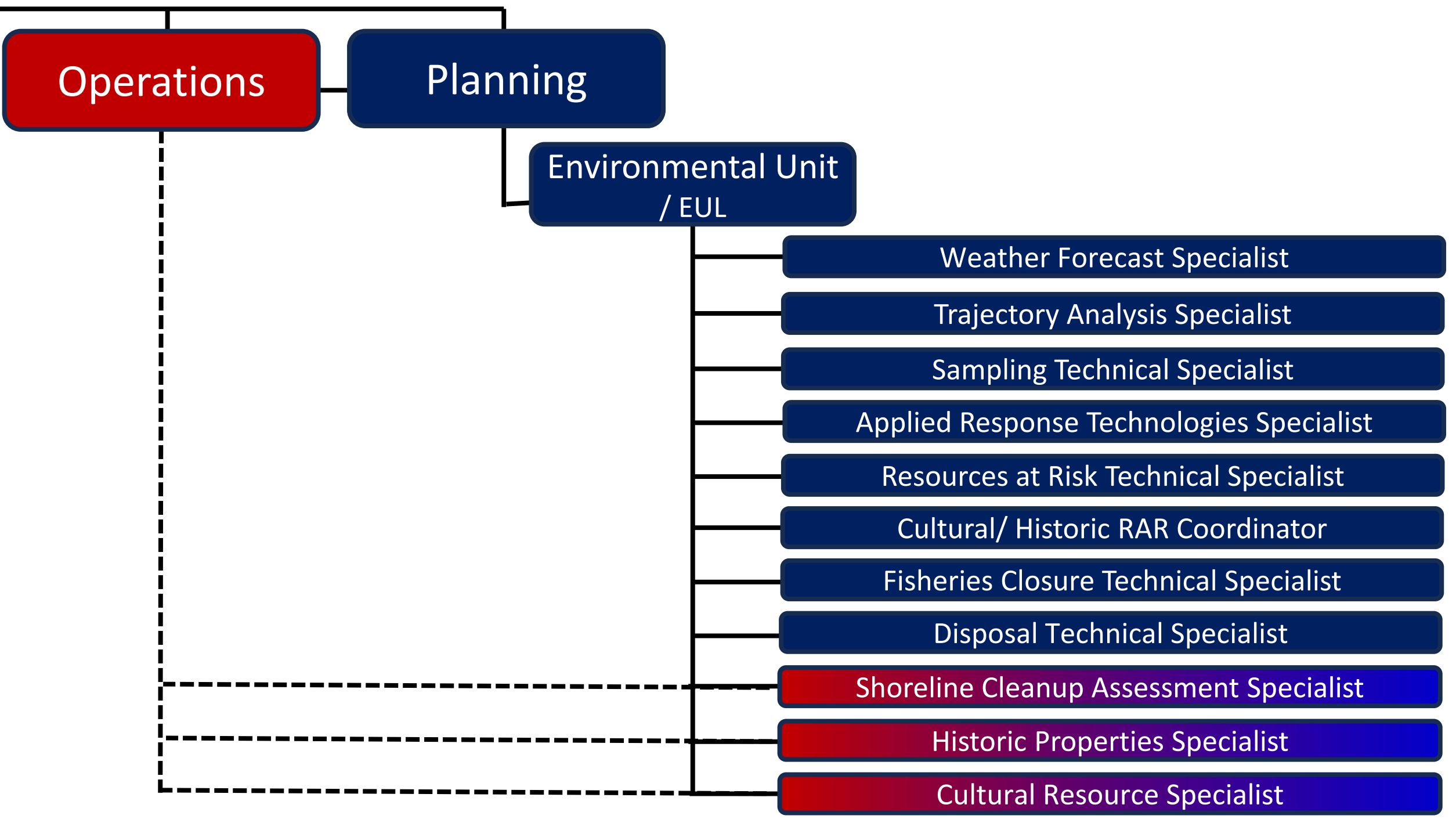
Riley Smith
Senior Environmental Scientist
CA Department of Fish and Wildlife
Office of Spill Prevention and Response
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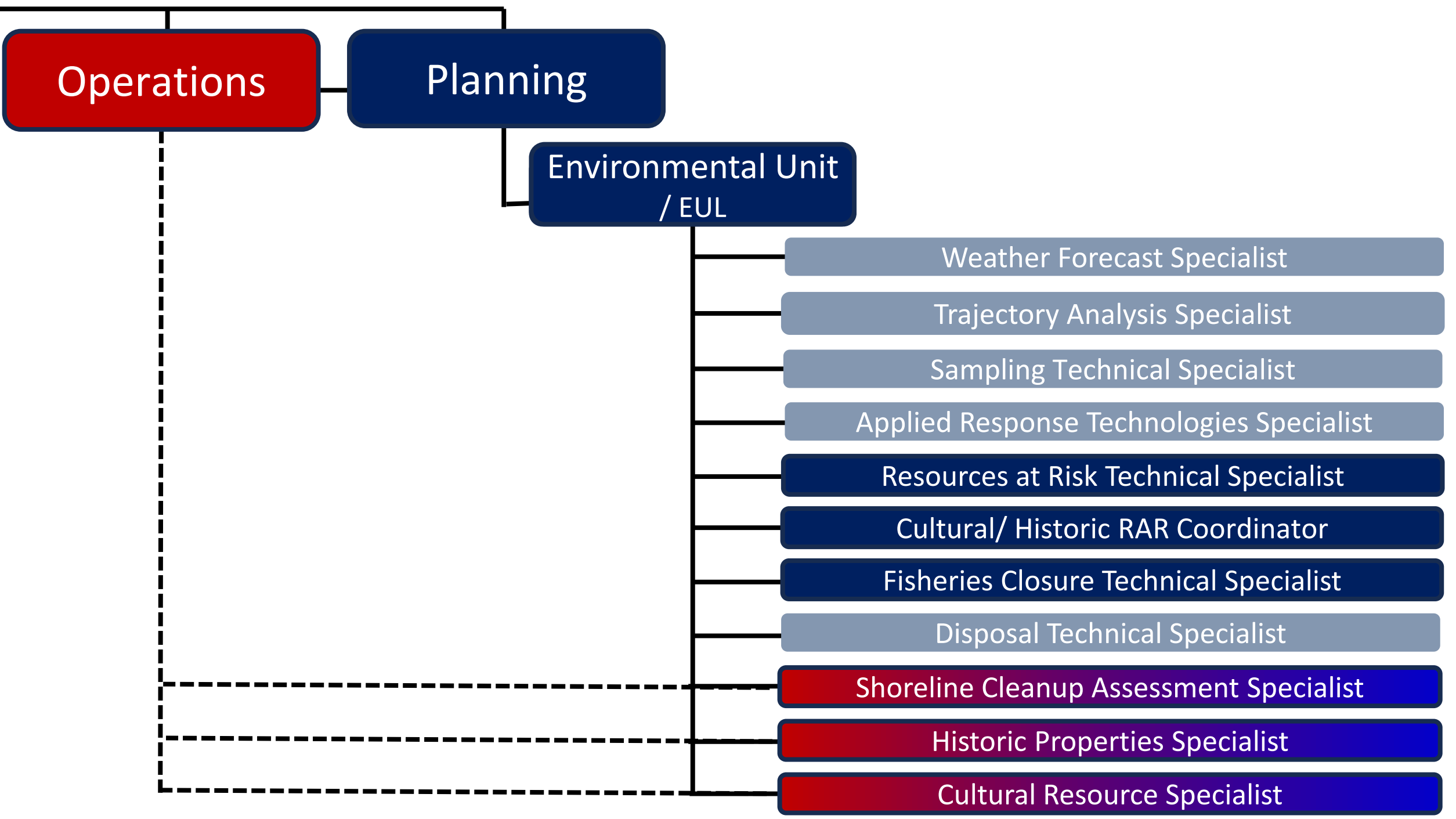
Environmental Unit Overview

Overview

- Environmental Unit (EU) Roles and Objectives
- Tribal Engagement
- Spill Resources







Operations

Planning

Environmental Unit
/ EUL

Weather Forecast Specialist

Trajectory Analysis Specialist

Sampling Technical Specialist

Applied Response Technologies Specialist

Resources at Risk Technical Specialist

Cultural/ Historic RAR Coordinator

Fisheries Closure Technical Specialist

Disposal Technical Specialist

Shoreline Cleanup Assessment Specialist

Historic Properties Specialist

Cultural Resource Specialist

A magnifying glass with a black handle and a silver rim is positioned over a globe. The globe shows the Americas. The background is dark and blurred.

EU Objectives

- Assess current and future conditions for response
 - Environmental conditions
 - Oil on the shoreline
- Protect sensitive sites and resources
- Evaluate risks to public health (fisheries)
- Evaluate and decide on clean-up methods
 - least impact to sensitive sites and resources
- Determine clean-up endpoints for site sign-off
- Waste disposal

Seafood Safety/Fisheries Closure







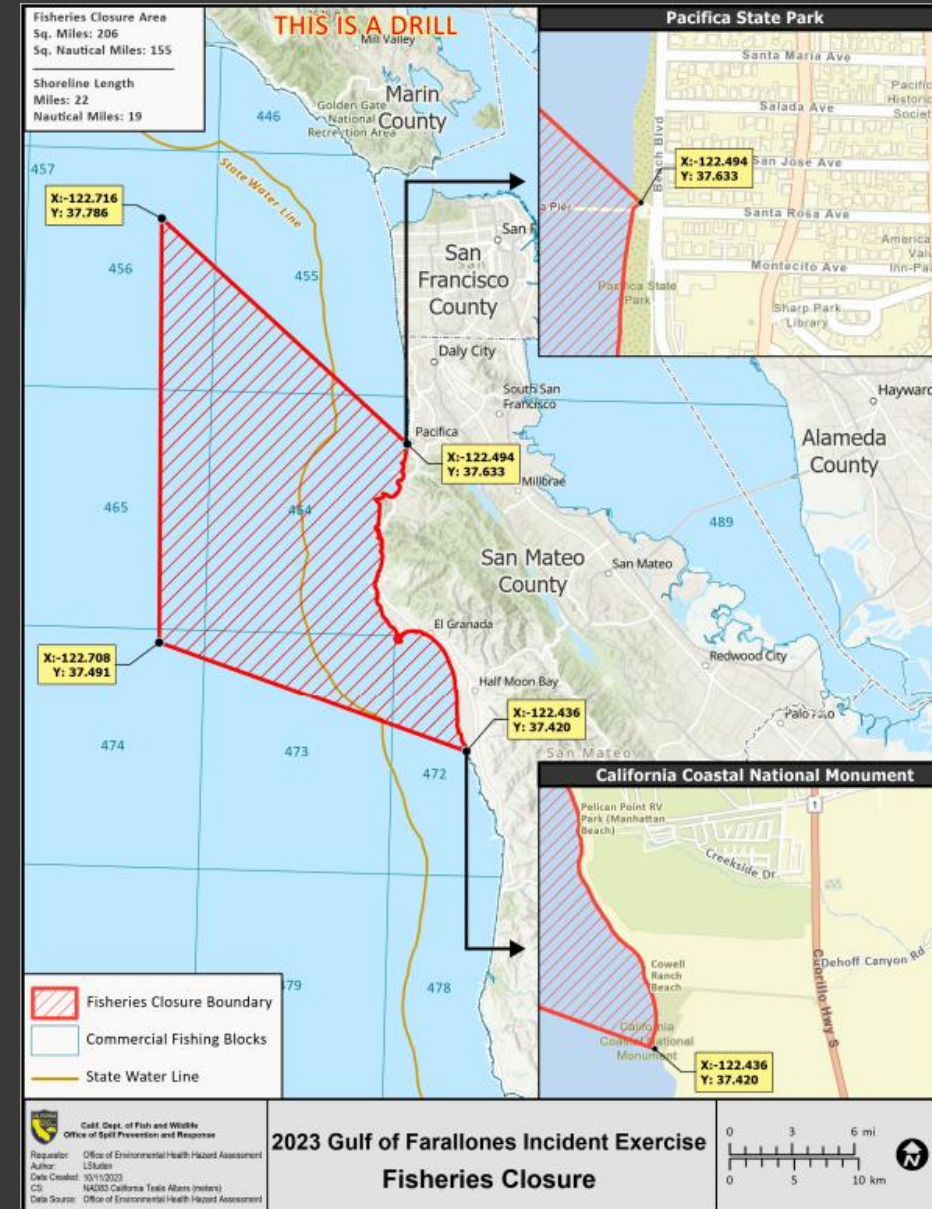
Oil Spill
Area temporarily closed to all fishing

Derrame de petróleo Zona temporalmente cerrada a todas las actividades de pesca

漏油事件
此區暫時禁止捕魚

Natapon na langis
Pansamantalang sarado ang lugar sa lahat ng pangingisda

Đầu Tràn
Khu vực tạm thời đóng cửa đối với tất cả các hoạt động đánh cá



Resources at Risk

Environmental Resources

Protected species, sensitive habitats,
seasonal grounds



Cultural/Historic Resources

Cultural and Tribal resources, historic
structures & sites

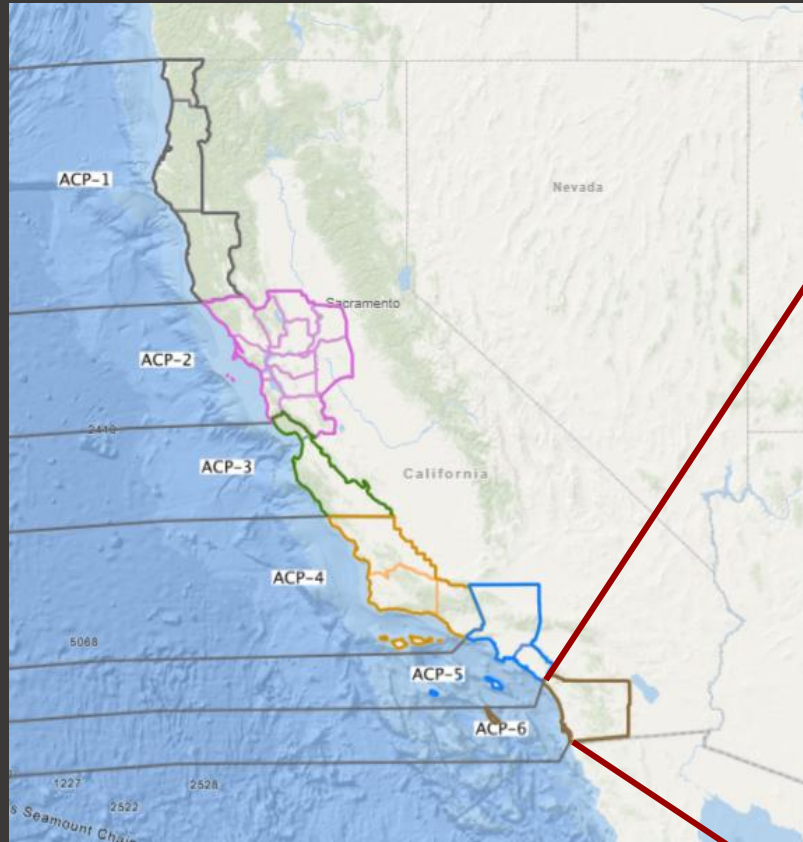


Economic Resources

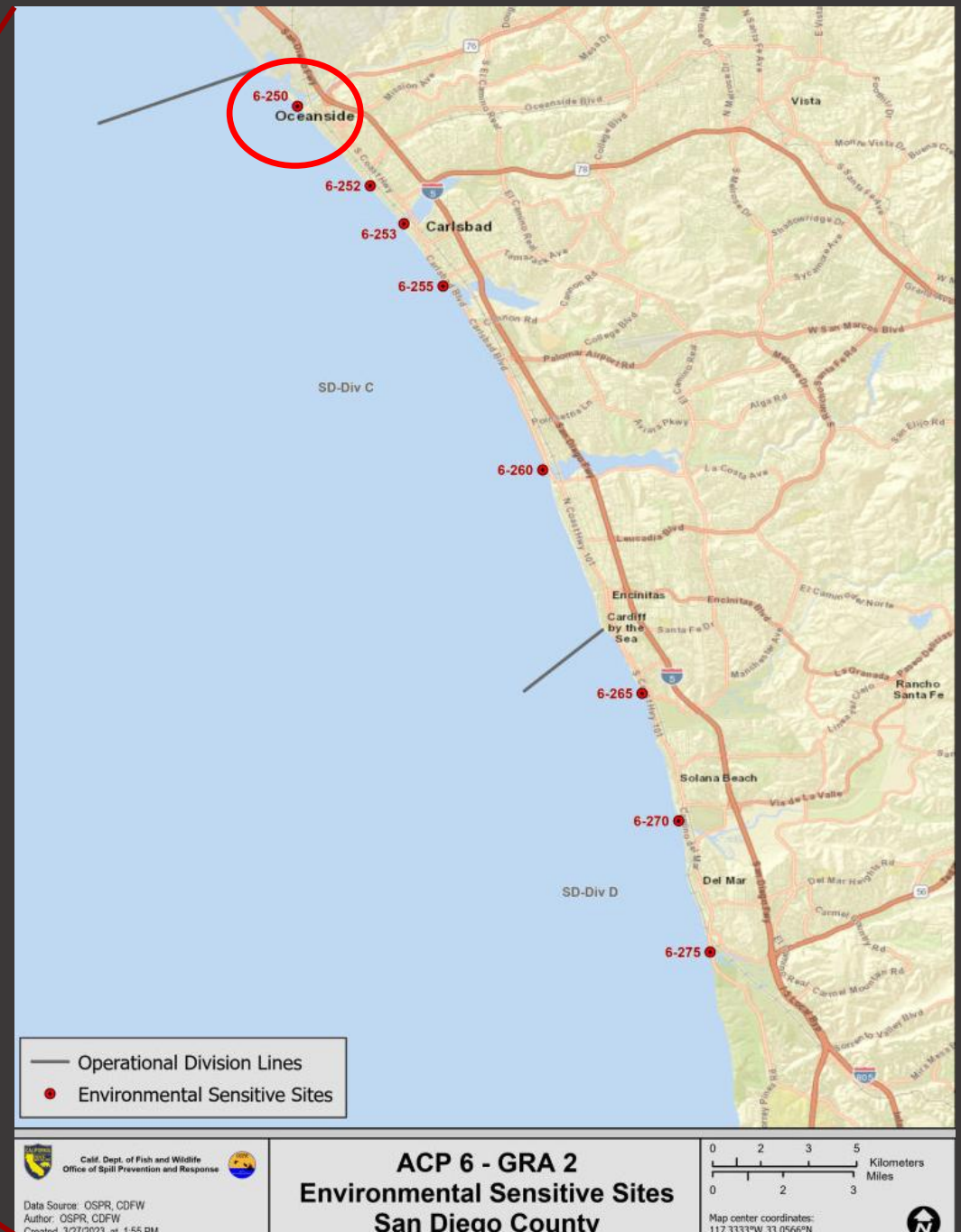
Marinas, recreational areas & parks, water
intakes



Area Contingency Plan (ACP)



- Sensitive Site Summaries
- Sensitive Site Strategies
- Sensitive Site Diagrams



Site Summary: 6-250A San Luis Rey River

6-250-A Site Summary - San Luis Rey River 6-250-A

County: San Diego **ACP Division/Segment:** SD - C - 5005 SD - C - 5006
NOAA Chart: 18758 **Map Book:** 1085 J6 **Decimal Degrees:** 33.20206 -117.39223

Site Description:

At the mouth of the San Luis Rey River there is a +/- ten acre marsh and wetland habitat that is used by many species of wildlife. The site for booming or berming is at the river mouth immediately downstream of the Pacific Street Bridge. The site is dynamic and therefore subject to significant change due to tides, waves, and rainy weather. Any on-site protective deployment should address the existing site morphology and weather conditions forecasted for the duration of a response.

Resources at Risk:

ESI and Habitat: 10A Salt - and brackish-water marshes
3A Fine- to medium-grained sand beaches

List of Resources at Risk:

	Resource Name	Status	Presence	Sensitivity
Birds	Western snowy plover	FT, SSC	Year-round	
Birds	California least tern	FE, SE	Feb - Sep	
Birds	Light-footed Ridgway's rail	FE, SE	Year-round	
Birds	least Bell's vireo	FE, SE	Mar - Sep	
Fish	tidewater goby	FE, SSC	Variable	
Plants	Nuttall's lotus	SR	Variable	
Plants	coast woolly-heads	SR	Variable	
Plants	San Diego marsh-elder	SR	Year-round	
Plants	San Diego ambrosia	FE	Year-round	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species



Site Summary: 6-250A San Luis Rey River

6-250-A Site Summary - San Luis Rey River 6-250-A
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Concerns and Advice to Responders:

Strategically Dynamic: Assess current site conditions before selecting a response strategy or ordering response equipment. A successful response at the San Luis Rey River will exclude oil from the estuary on an incoming tide by stopping oil movement with either an exclusion boom or with a berm installation, or both.

Hazard and Restrictions:

The river mouth is subject to flooding following severe storm incidents. Booming should not be attempted when the river stage is high or immediately following any significant rainfall in the watershed.

Site Strategies:**Site Validation Level: III****Strategy: 6-250.1 Objective: Exclude Oil**

Strategy: Deploy a two-tiered harbor boom set across the entrance channel using existing anchor points on the concrete wall and shoreline anchor points near the Pacific Street Bridge. This strategy assumes a high river flow where the river mouth is fully open.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Harbor Boom			800	feet	Strategy Updated: Last Test: 11/6/2024
Vessel	Boom Boat or Skiff			1		
Staff	Staff to Deploy			4		
Staff	Staff to Tend			2		

Strategy: 6-250.2 Objective: Build Berm

Strategy: Construct a berm with sand bags filled with beach sand or use heavy equipment to construct a sand berm to close the river mouth to tidal exchange. Consider installing an underflow pipe.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Sandbags				500		Strategy Updated: Last Test: 4/19/2012
Heavy Equipment	Front Loader			1		
Staff	Staff to Deploy			12		

Strategy: 6-250.3 Objective: Erect Filter Fence

Strategy: Construct a filter fence across the river mouth to prevent oil from entering the wetland on high tide. This strategy will only be successful when river flows are low.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Fence	Fencing			200	feet	Strategy Updated: Last Test: 11/19/2019
Staff	Staff to Deploy			4		

Logistics:

Directions: Exit I-5 at Harbor Drive in Oceanside. Follow Harbor Drive toward the south side of the marina and west toward the beach. A public parking lot is located at the north side of the river mouth at the end of S. Harbor Drive.

Land Access: All access is available. Vehicular beach access is available off Pacific Street.

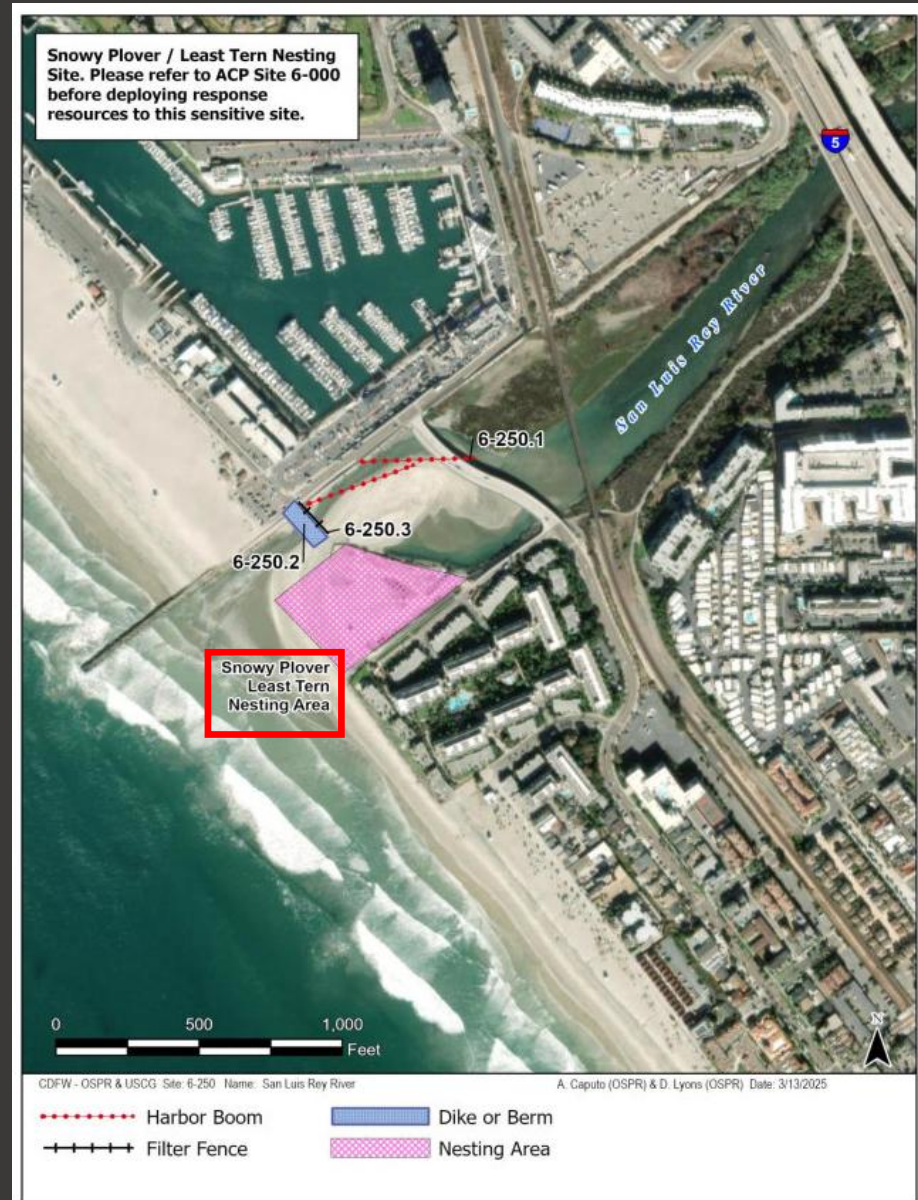
On-Water Limitations: Limited to hand launch skiffs with minimal draft.

Facilities, Staging Areas, Command Posts, Available Equipment: A staging area is available at the river mouth parking lot on the north side of the river crossing road.

Communications Problems: None.

Additional Operational Comments: Heavy equipment may be used to close the river mouth when endangered species are not present. Nesting sites may be vulnerable to all traffic (vehicular or foot). Consult a resource biologist prior to on-scene response actions during spring and summer months to avoid impacts to beach nesting birds.

Site Strategy/ Diagram



Environmental Response Management Application (ERMA)

LEGEND

ACP Environmental Sensitive Sites (OSPR, 2024)

- ACP Environmental Sensitive Sites

ACP Economic Sensitive Sites (OSPR, 2023)

- Economic Sensitive Sites

Grant Response Equipment Locations (OSPR, 2025)



acp	site_name	category	lat	lon	state
6	Oceanside Pier	Recreational Area, bait and tackle shoppes, restaurant and lifeguard station	33.19282	-117.3867	CA
6	Linear Park	Recreational Area, benches and view platforms	33.192117	-117.381975	CA
6	Buccaneer Park	Recreational Area, picnic area with outdoor showers, playground, baseball diamond, volleyball court and concession stand	33.17643	-117.36893	CA
6	Carlsbad City Beach	Recreational Area, popular beach for swimming, surfing, and surf fishing	33.193042	-117.383481	CA
6	Harbor Beach	Recreational Area, wide, sandy beach with surf and rock fishing	33.20504	-117.3942	CA

ERMA® | Southwest

LAYERS

Clear Layers Collapse Folders Show Active Layers

Response Planning

- ☐ Western Response Resource List (WRRL)(WA ECY, 2023) REST Service

Pacific States - British Columbia Oil Spill Task Force

Evacuation Plans

Regulated Facilities

California

- ☒ Grant Response Equipment Locations (OSPR, 2025)

- ☐ Oil Pollution Risk Areas [OPRA] (OSPR, 2009)

- ☐ Oil Spill Response Organization (OSRO) - Statewide (OSPR, 2019)

Inland Response Plans

Marine Response Plans

- ☐ Geographic Response Area (GRA) - Statewide (OSPR, 2020)

- ☐ San Francisco Debris Accumulation (OSPR, 2014)

ACP Boundary Lines

ACP Counties

Dispersants

Operational Divisions

Potential Places of Refuge

SCAT Segments

Sensitive Sites

- ☒ ACP Economic Sensitive Sites (OSPR, 2023)

Environmental Sensitive Sites

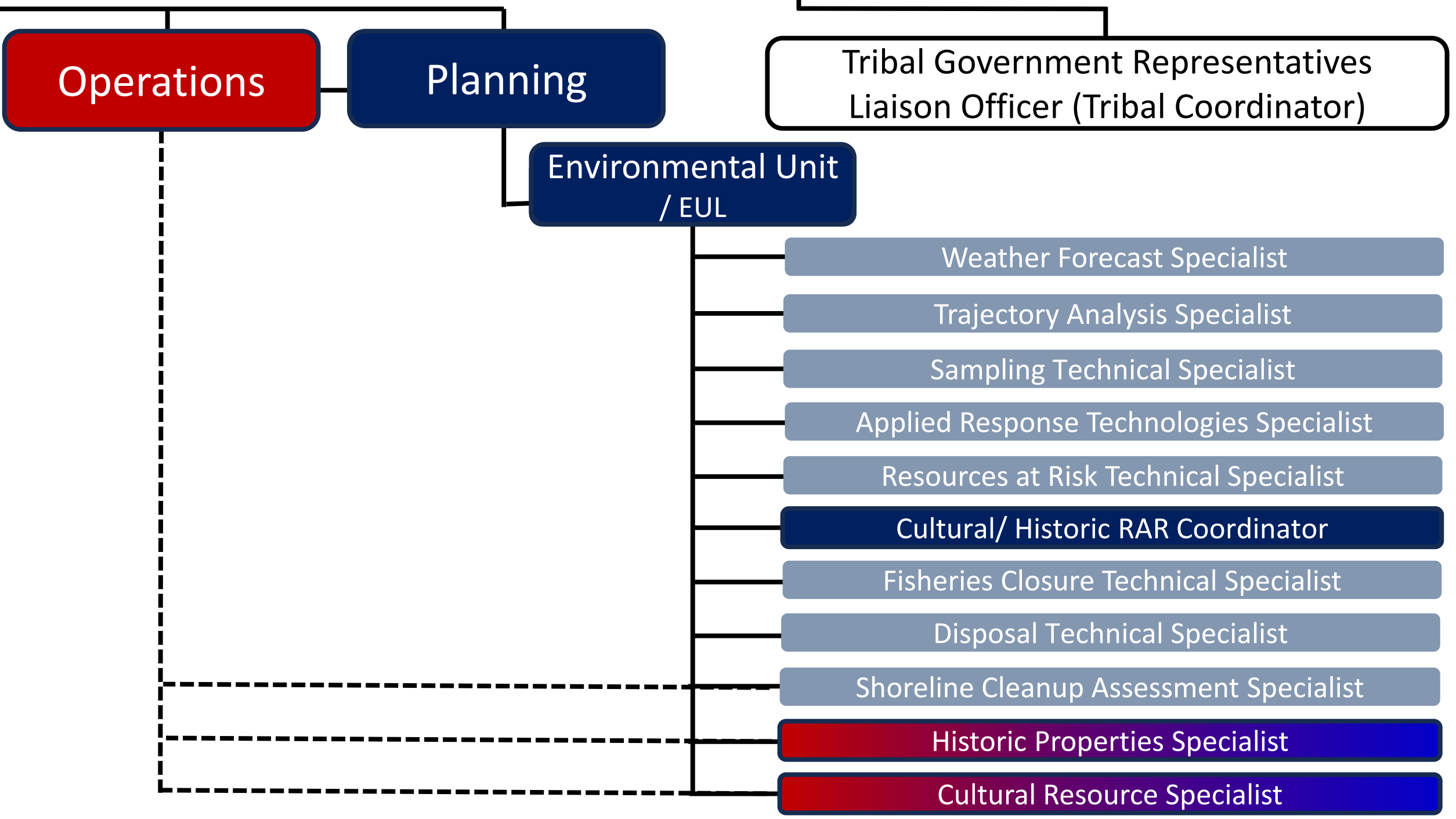
- ☒ ACP Environmental Sensitive Sites (OSPR, 2024)

- ☒ ACP Environmental Sensitive Site Names (OSPR, 2024)

- ☐ EESACZ Points

Shoreline Access

Site Strategies





CALIFORNIA EMERGENCY MANAGEMENT AGENCY
EMERGENCY SERVICES
Hazardous Materials Spill Report

DATE: 05/04/2023
TIME: 1405

RECEIVED BY:
CalEMA - Romney Allen
OSPR -

CONTROL #:
CalEMA -23-3000
NRC -

1.a. PERSON NOTIFYING GOVERNOR'S CalEMA:

1. NAME: **2. AGENCY:** **3. PHONE #:** **4. EXT:** **5. PAG/CELL:**

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME: **2. AGENCY:** **3. PHONE#:** **4. EXT:** **5. PAG/CELL:**

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<	<i>Amount</i>	<i>Measure</i>	c. TYPE:	d. OTHER:
1. Produced Water	=	5	Bbl.(s)	CHEMICAL	
2. Crude Oil	=	2	Gal(s)	PETROLEUM	
3.	=				
4.	=				

e. DESCRIPTION: Produced water line leak caused a release of 5 bbls of produced water and 2 gallons of crude oil onto the roadway. Spill has been stopped and contained. Clean up is been coordinated by reporting party

f. CONTAINED:	g. WATER INVOLVED:	h. WATERWAY:	i. DRINKING WATER IMPACTED
Stopped, Contained	No	None	No

j. KNOWN IMPACT None

3. a. INCIDENT LOCATION:	b. CITY:	c. COUNTY:	d. ZIP:
20101 Goldenwest St	Huntington Beach	Orange County	92648

4. INCIDENT DESCRIPTION:

a. DATE:	b. TIME (Military):	c. SITE:	d. CAUSE
05/04/2023	1340	Road	Mechanical



CA HISTORIC RESOURCES INFORMATION SYSTEM

- Seven CHRIS Information Locations
 - South Coastal Info Center (SDSU)
- Supply information on historic/cultural resources, provide list of tribes
- DOI Professional Quals Standards (HPS, archeologists)





STATE OF CALIFORNIA
**NATIVE AMERICAN
HERITAGE COMMISSION**

- NAHC Tribal Consultation Policy
 - 109 Federally Recognized Tribes
 - 55 State Recognized Tribes
 - Emphasis on Communication & Consultation
- NAHC Oil Spill Contacts Provide:
 - Local Tribal Contact List (TLOFR)
 - Presence/Absence from Sacred Lands File (EU/TLOFR)
 - Sacred Lands File includes information not available through CHRIS



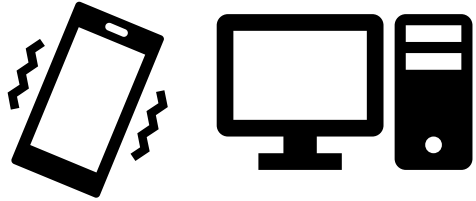
STATE OF CALIFORNIA
**NATIVE AMERICAN
HERITAGE COMMISSION**



Office of Historic
Preservation

**Presence/Absence
Determination**

Initiation and Integration During Spill Response



Spill Notification



**Presence/Absence
Determination**



Activate Tribal Coordinator



**Coordination with EU/UC
to activate HPS/CRS**



**Provide HAZWOPER
Training**



**HPS & CRS work in ICS
towards incident objectives**

Cultural/Historic Resources

Responsible for identifying and resolving issues related to cultural/historic sites impacted or threatened by the spilled oil

- Resource Treatment Plan
- Worker Environmental Awareness Program (WEAP)
- Add input on ICS form
- Coordinate field teams for monitoring
- Work closely with:
 - State Historic Preservation Officer
 - Tribal Historic Preservation Officer
 - Land Management Agencies
 - Native Tribes
 - Other Interested Parties

Shoreline Treatment Recommendations

Site Location: SB-J-S001
Segment: Segment 1
Length: _____
Survey Date: 14 June 2015

Shoreline Type: Sandy beach with cobble or cliffs. Substrate: Cobble & Platforms Coastal Character: exposed

Treatment Type: ☒ Surface ☐ Subsurface ☐ Submerged ☒ Manual ☐ Mechanical

Oiled Area For Treatment:

1. Wave Cut Platforms located West Pt from Refugio ("fish hook") -Need to evaluate 25-ft safety buffer
2. Cobble located from Refugio Creek
3. Cobble located between Lifeguard Tower 1 going east
4. Cobble further east (gps point 34.461676, -120.060627) -Need to evaluate 25-ft safety buffer
5. Tar mat further east (gps point 34.461493, -120.059749) -Need to evaluate 25-ft safety buffer
6. Wave cut platforms located at the very eastern end of Refugio South, near the beach pinch point.
7. Venaditor: wave cut platforms and large boulders located west of Venadito Beach, accessible during low low tide, near the western pinch point. Need to evaluate the 25-ft buffer here.

Treatment Recommendations (EU):

1. Boulders and Wave Cut Platforms: Scrape and wire brush, with special attention on the non-seaward sides. Careful on sandstone boulders to not gouge rock.
2. Cobble: Scrape and wire brush. Use more wire brush on cobble. If cobble is cleaned to stain, do not need to place in surf wash. If cobble is cleaned to coat, then you can place into the surf wash.

Recommendations / Staging and/or Logistics Constraints / Waste Issues (OPS):
No additional changes than existing.

Ecological Resource Comments:

Cultural / Historical Comments (HPS):
Provide cultural monitors on all ground work. Access confined to established entry/exit zones. Spot checking by archaeologist.

Safety Issues: *Don Tom*

Attached: ☒ Map ☐ Sketch ☐ SOS Form ☐ Fact Sheet ☐ Other: _____

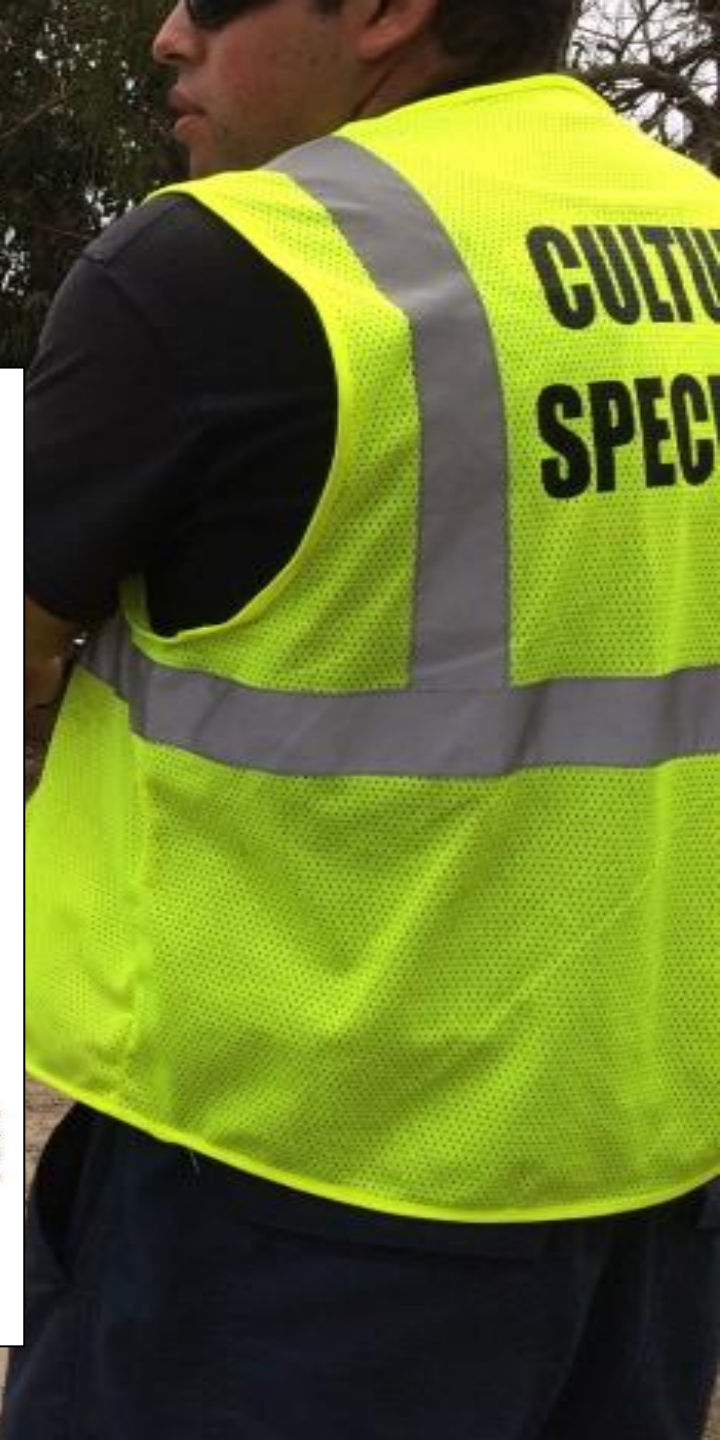
Date Prepared: 6/14/15

Approved By: *MST Jonny Walker*
Signature: *Jonny Walker* (OSC Representative) *Sonia Torres* (OSC Representative) *Khamly Chuop* (RP Representative)

Approved By: *Don Tom* (CUL/ARC) _____ (EUL or SCAT Coordinator)

Received By: *Don Tom* (OSC) _____ (PSC)

****When Treatment is Completed, send a Segment Completion Report to SCAT****



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Shoreline Cleanup Assessment Technique (SCAT)



Characterize the shoreline
and type of oil



Map the degree of oiling



Recommends cleanup
treatments and endpoints



Inspections for Sign-Off



1. Sensitive Site Strategy
Evaluation Program (SSSEP)

2. Industry drills

3. Response planning
meetings



Aishen (thank you)



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