GIS Data Management: Refugio Incident

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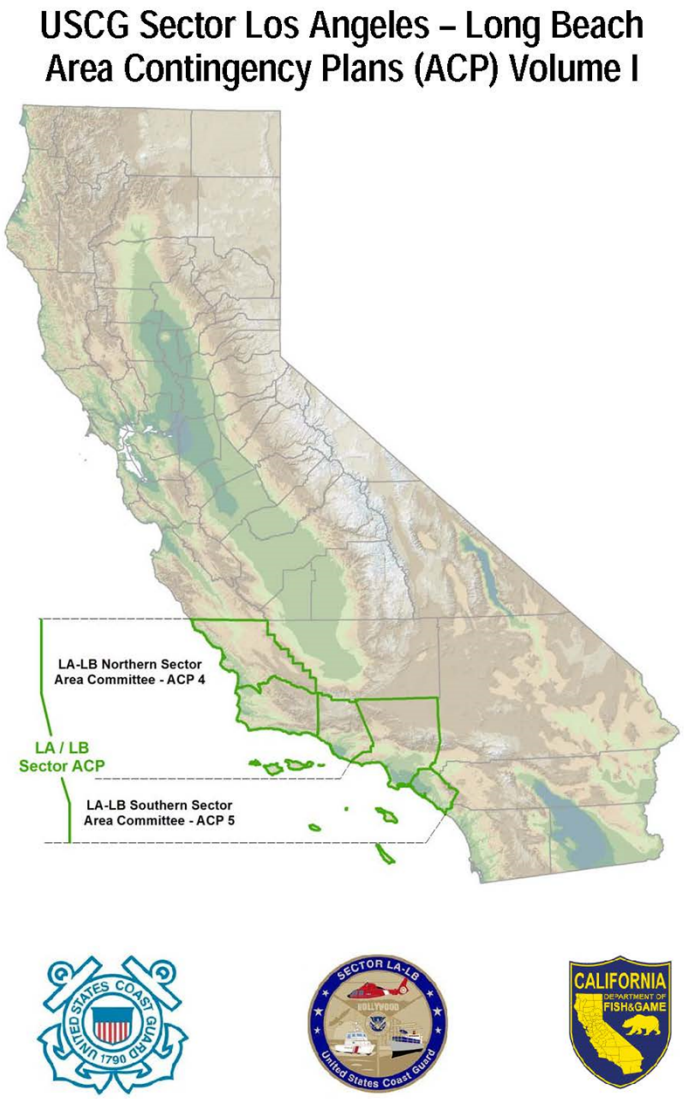
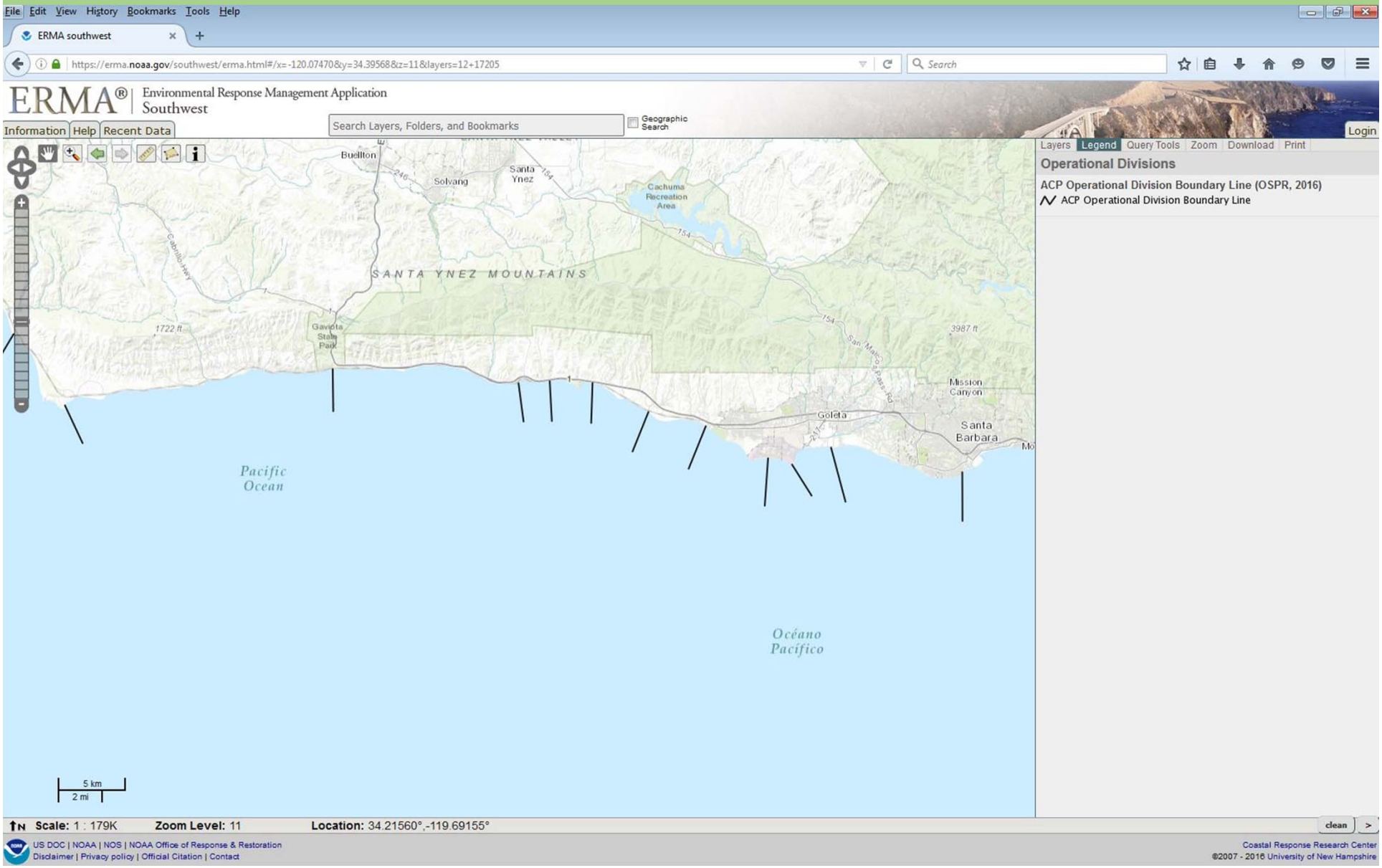
Learning Outcomes: Common Operational Picture (COP)

- A COP Spatial Data Viewer
  - Need Additional Software to Process the Raw Field Data into Geographic Information System (GIS) File Format
- A COP Facilitates Convergent Data Integration, Ideally with No Proprietary Software Required
- A COP Provides Situational Awareness to all Individuals Involved in the Emergency Response Both in the Incident Command Post (ICP) and at Remote Locations
- Many COPs Available; Very Simple to Very Robust
  - Different Focuses; ICS Forms Integration, Multi-Window Dashboard Display
  - Not Here to Say Any One is Better
- California Uses NOAA's Environmental Response Management Application (ERMA®)
  - Pre-Spill Planning Tool
  - Environmental Data Management, COP

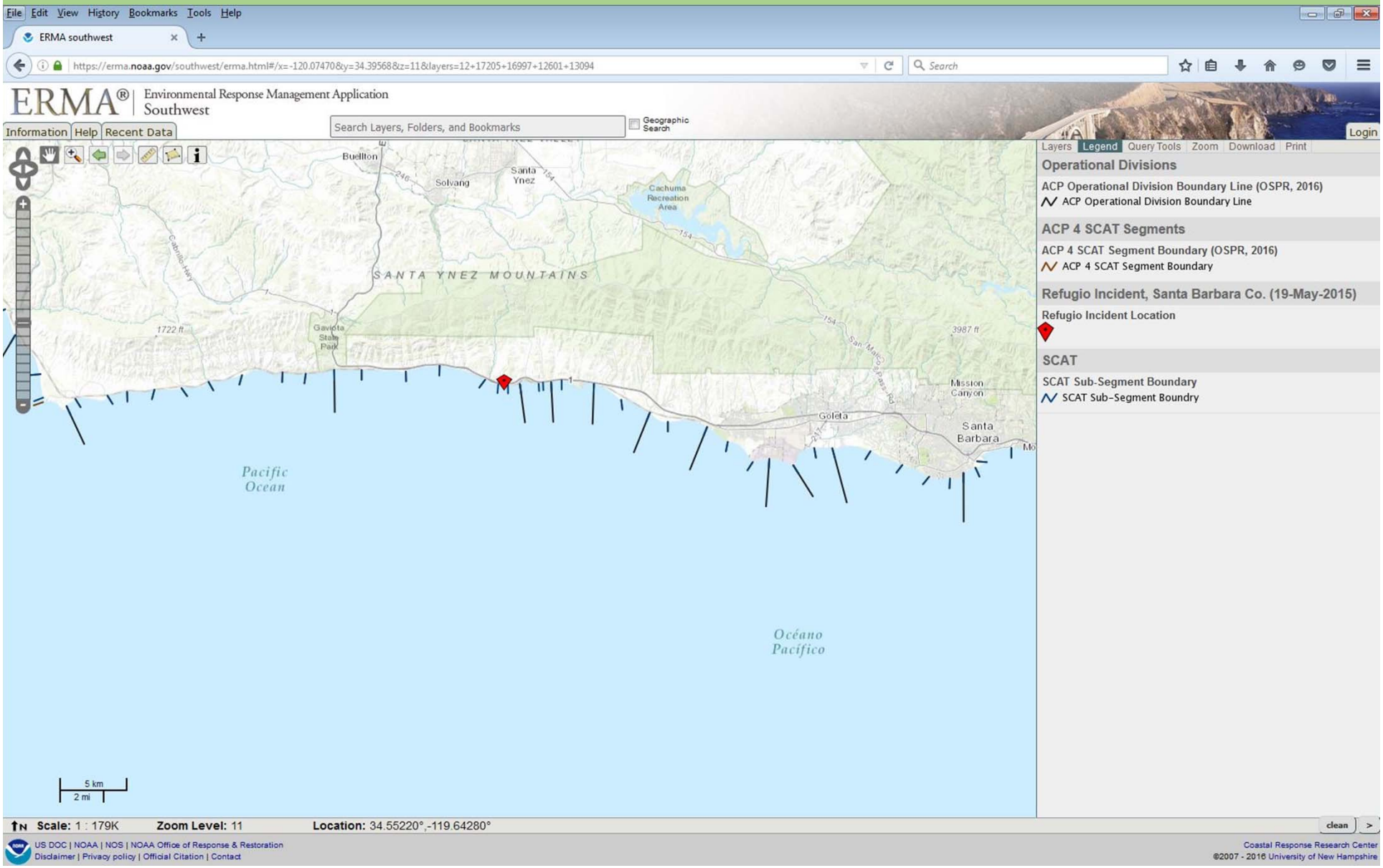
ERMA Southwest as a Planning Tool
Area Contingency Plans



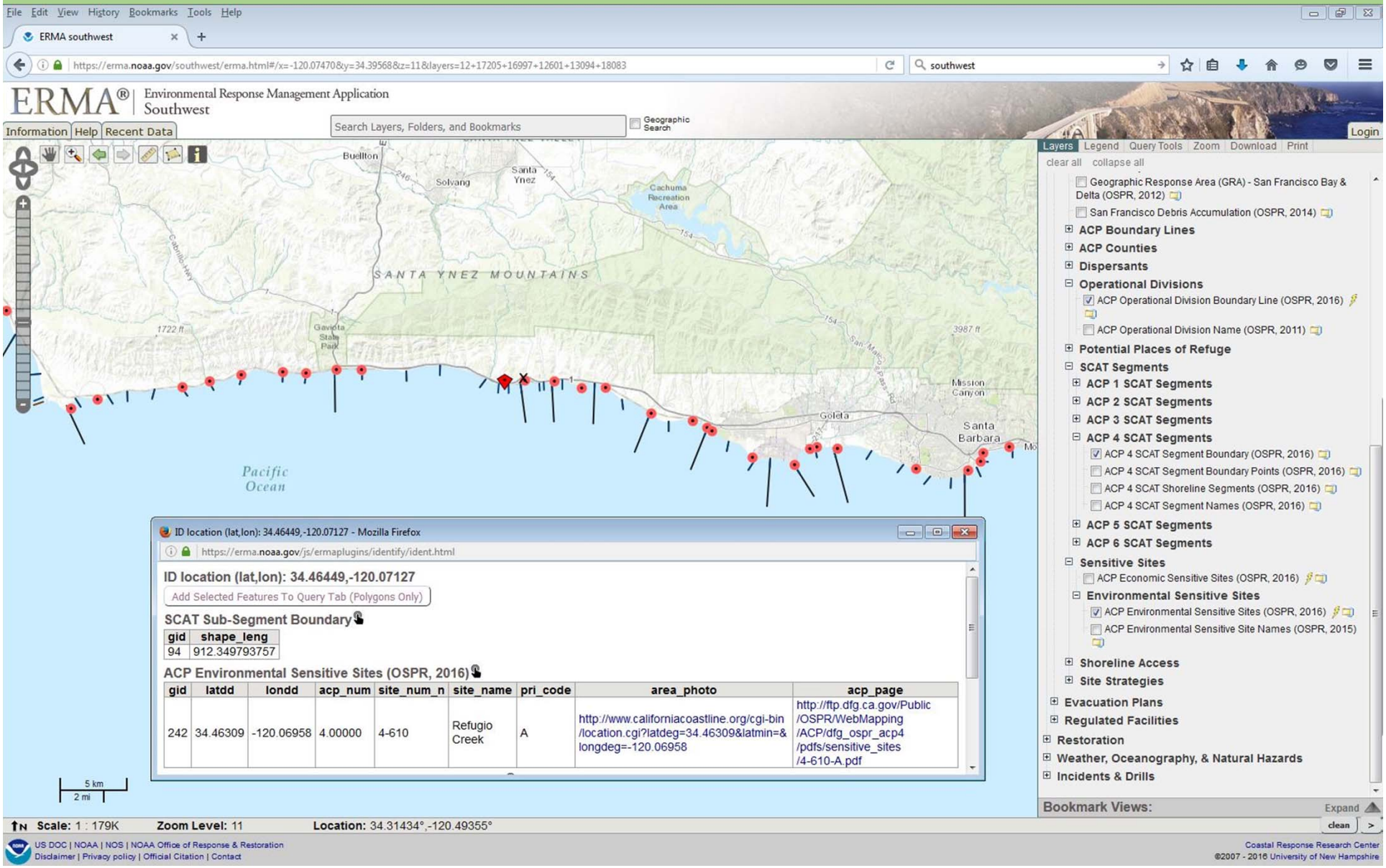
ERMA Southwest as a Planning Tool
Marine Response – Operational Divisions



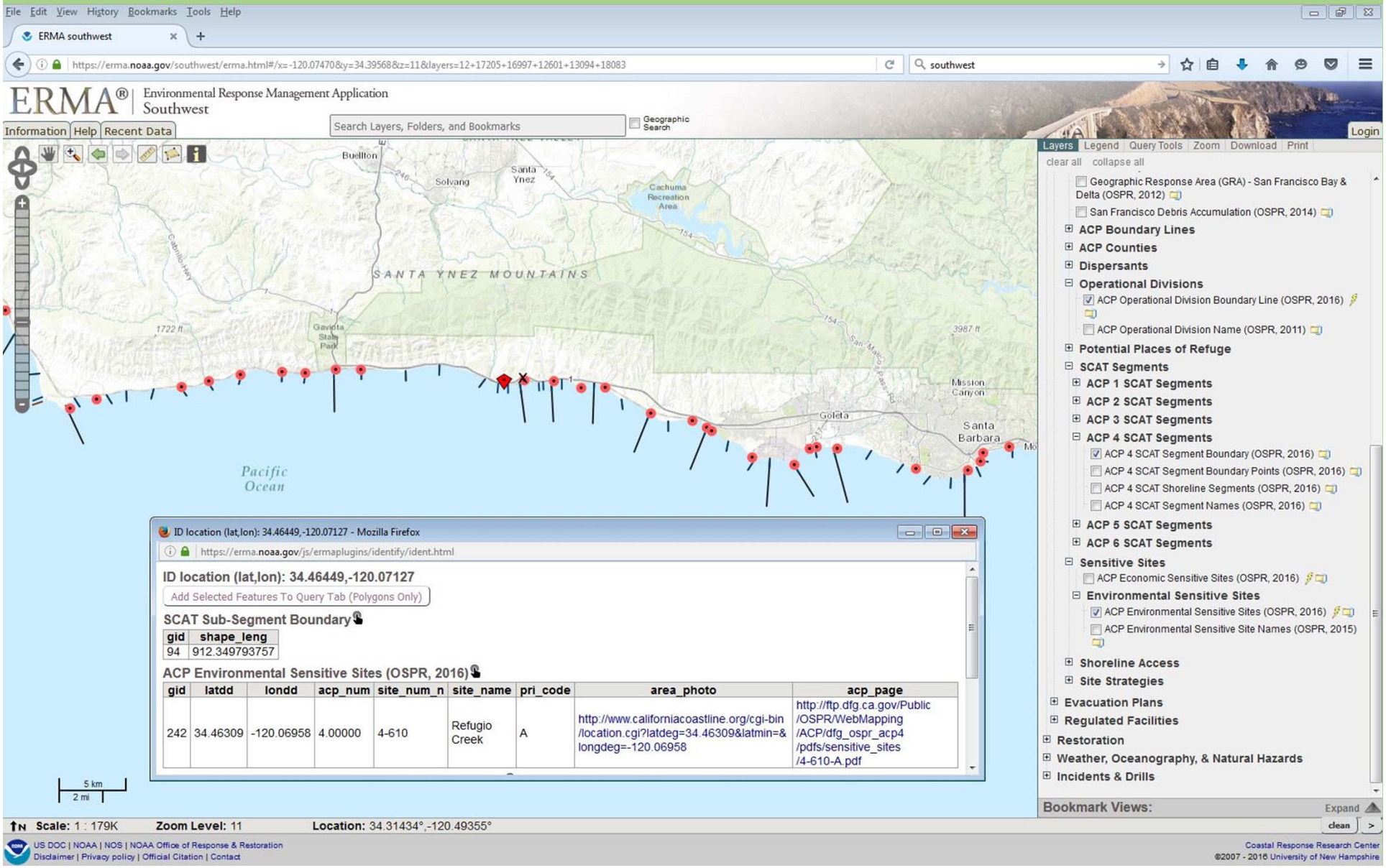
ERMA Southwest as a Planning Tool
Marine Response - SCAT Segments



ERMA Southwest as a Planning Tool
Marine Response – Environmental Sensitive Sites



ERMA Southwest as a Planning Tool
Marine Response – Environmental Sensitive Sites



ERMA Southwest as a Planning Tool
Marine Response – Environmental Sensitive Sites

File Edit View History Bookmarks Tools Help

ERMA southwest | allsisrs - 4-610-A.pdf

http://ftp.dfg.ca.gov/Public/OSPR/WebMapping/ACP/dfg_ospr_acp4/pdfs/sensitive_sites/4-610-A.pdf

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4-610 -A Site Summary- Refugio Creek **4-610 -A**

County: **Santa Barbara**
USGS Quad: **Tajiguas**

Thomas Guide Location: 981 D x 5
NOAA Chart: **18721**

Latitude N: 34.461667
Longitude W: 120.068333

Last Page Update : 11/17/2014

SITE DESCRIPTION:
THIS SITE IS LOCATED IN SANTA BARBARA COUNTY DIVISION J. Refugio beach state park covers 2.7 linear miles of shoreline in the vicinity of the creek mouth. The boundaries of the site on the beach extend east to west the width of the channel. For a marine spill the risk area extends upstream to the upper reaches of tidal influence. For inland spill the risk extends upstream of Highway 101 to the oil pipeline crossing of the watershed Refugio creek mouth, lagoon and marsh. To the east and west of the creek mouth are extensive fine to medium-grained sand beaches in summer, changing to mixed sand and gravel in winter.

SEASONAL and SPECIAL RESOURCE CONCERN
Tidewater Gobies, federally listed species, are found in the estuary year round. Whenever the creek mouth is open (most likely from late fall through early summer, depending on rainfall) wetland biota are at risk . Rest of the year for bird populations. Stream supports red-legged frogs, southwestern pond turtles, two striped gartersnakes. There is evidence of deer, bear, and mountain lions in the upper portions of the watershed above the facility.

RESOURCES OF PRIMARY CONCERN
Intermittant coastal wetland habitat. Estuary lagoon and riparian habitat in upstream areas.

Terns, Shorebirds, and Waterfowl.

Southern sea otters have been known to move through the area.
Southwestern pond turtle, Two-stripe garter snake, red-legged frog.

Tidewater goby (all year), Surfperch, Kelp bass.

Extensive eelgrass bed.

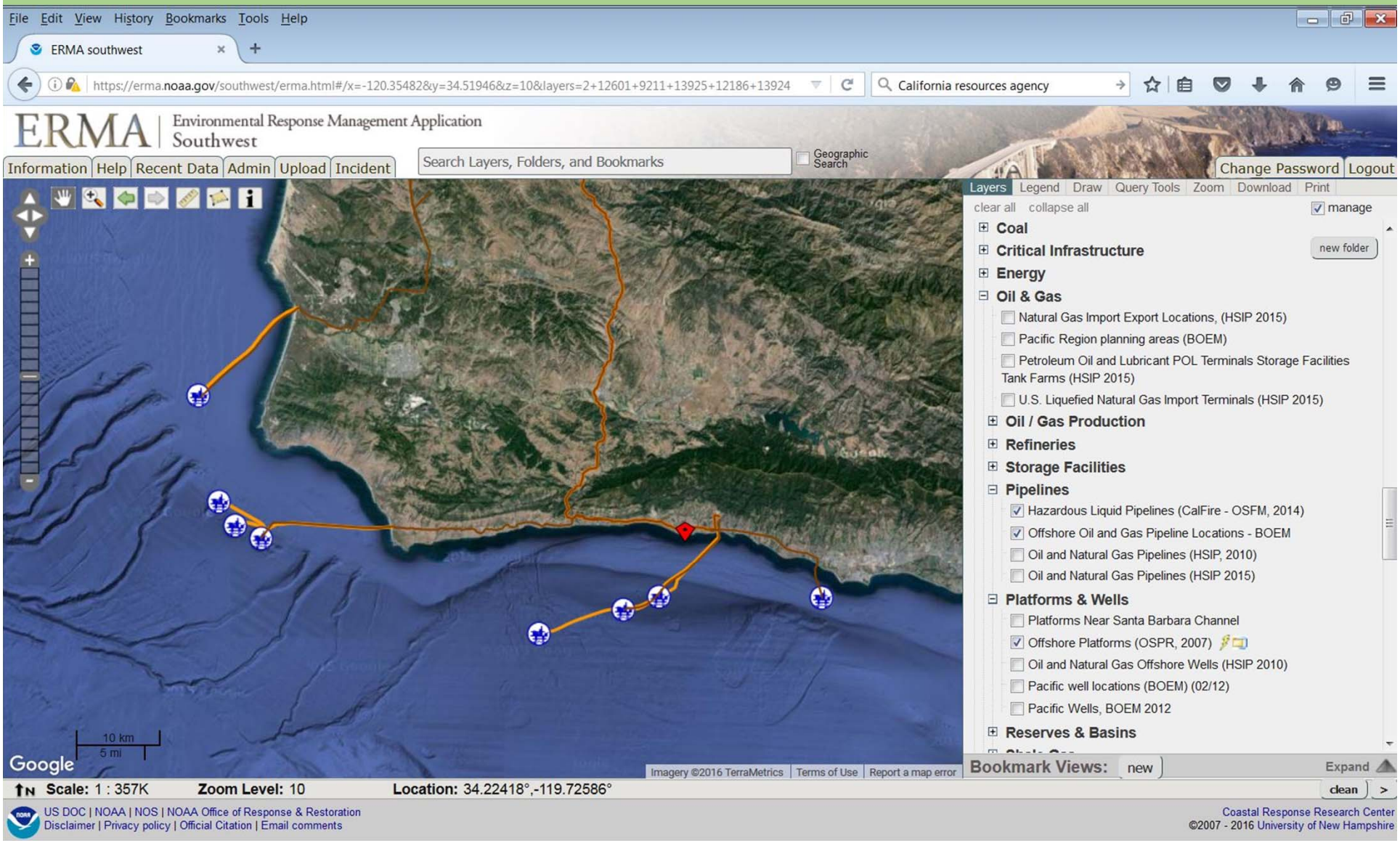
CULTURAL. HISTORIC. and ARCHEOLOGICAL SENSITIVITIES
Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 373-3710 and State Office of Historical Preservation (916) 445-7000, and/or the Central Coast Archeological Information Center (805) 893-7341.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

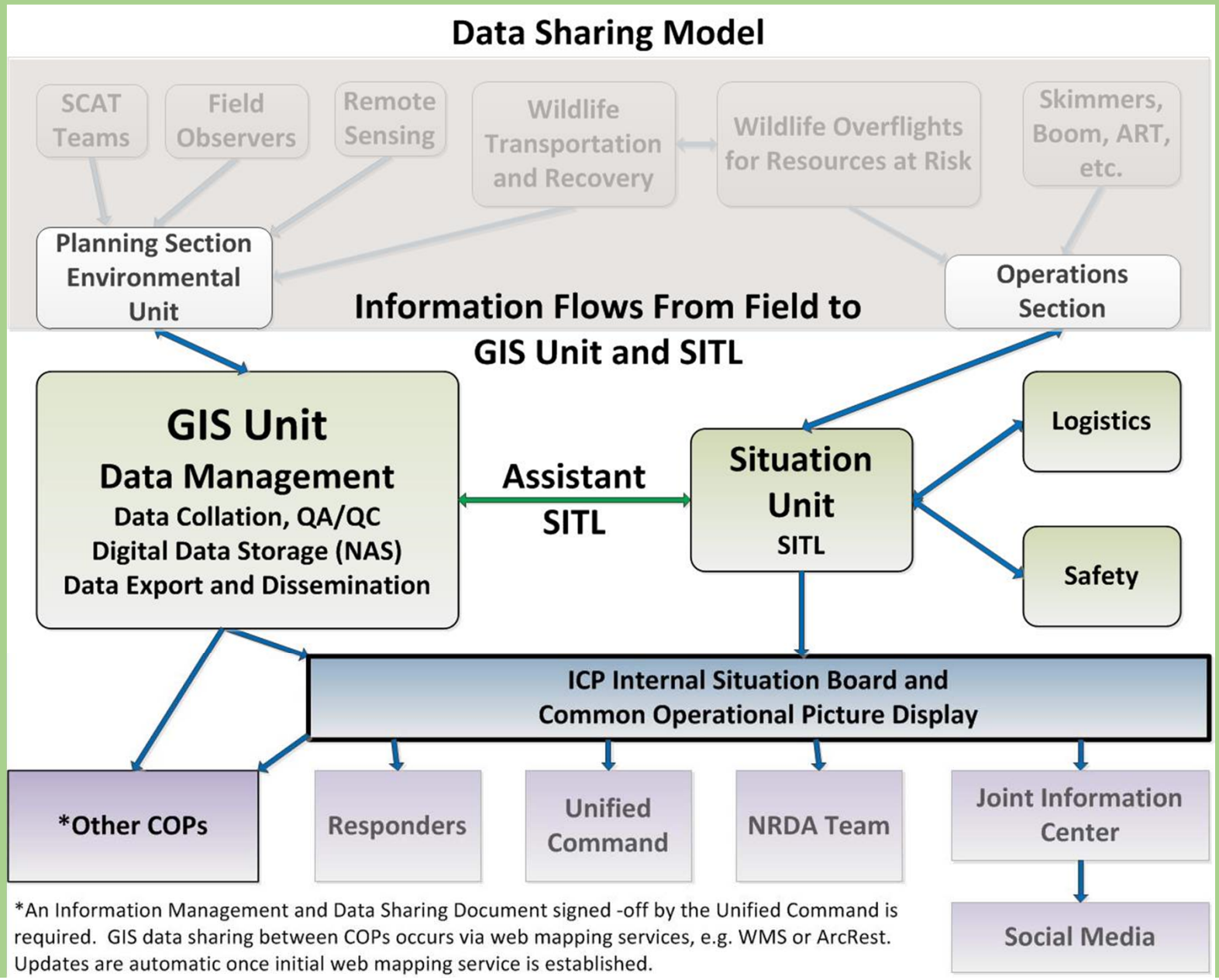
Type	Name / Title	Organization	Phone
O	Central Control Plant Operations (24hr)	Exxon Mobil	(805) 961-4055
T	Channel Coast Distict	California State Parks	(805) 585-1850
T	Federally listed T/E species - Ventura Office	USFWS	(805) 402-6612
C	Lynn Gambell Coordinator	Central Coast Archeological Information Center	(805) 893-7341
T	Kai Lampson Marine Biologist	CDFW - (Nearshore Species)	(805) 965-7216
C	Office of Historic Preservation (SHPO)	California State Parks (Sacramento Office)	(916) 445-7000
T	SURCOM (24-hr)	California State Parks Dispatch	(951) 443-2969

ADDITIONAL SITE SUMMARY COMMENTS:
REFERENCES:

ERMA Southwest as a COP
Refugio Incident



Flow of Information



Flow of Information Data Management and Sharing Plan

Common Operating Platform
Information Management and Data Sharing Plan
Refugio Incident

***Purpose*:**
Information and data generated as a result of the response, or germane to the mitigation of the incident, are used in support of the Unified Command's Critical Information Requirements (CIRs). This Information Management Plan is meant to ensure continuity of information across the various CIRs and facilitate sharing amongst the response personnel during the incident. Furthermore, this plan will set the foundation for archive and access to information. The scope of this plan includes all documents, digital forms, operational and environmental Geographic Information Systems (GIS) data, photography, video, remote sensing, response sampling, and response databases. Implementation of this plan will:

- Help to avoid compartmentalized isolation of information within units and sections
- Ensure all parties understand responsibilities, methods, and resources available
- Help maintain information continuity over time regardless of personnel changes
- Provide the basis for periodic review, evaluation, and updating of procedures
- Help ensure the proper archival of data for post-incident retrieval and analysis

The incident related information and data that may be **excluded** under the scope of this plan are:

1. Proprietary or non-incident related information or data.
2. Licensed, sensitive, or cultural resources as determined by data provider.
3. Information developed for the sole purpose of the Natural Resource Damage Assessment (NRDA).

The overarching objective of this plan is to facilitate availability of information to all parties involved in the response. The Documentation Unit and Situation Unit were integral to the development of this plan and the establishment of daily documentation and sharing procedures.

***Unified Command Signatures*:**

United States Coast Guard FOSC _____ _____
Date

United States Environmental Protection Agency FOSC _____ _____
Date

State of California SOSC _____ _____
Date

Santa Barbara County LOSC _____ _____
Date

Plains All-American Pipeline (RP) _____ _____
Date

Thank You