

Oil Spill Drill Incident Command, Planning

or

Dress Rehearsals: Preparing to Attack Spills and Manage Response

Andrew Prestridge & Scott Robertson



- **History**

- Offshore Drilling
- DCOR's Platforms

- **Philosophy**

- **Drills**

- Equipment Deployment
- Incident Management Team

History of Offshore Drilling

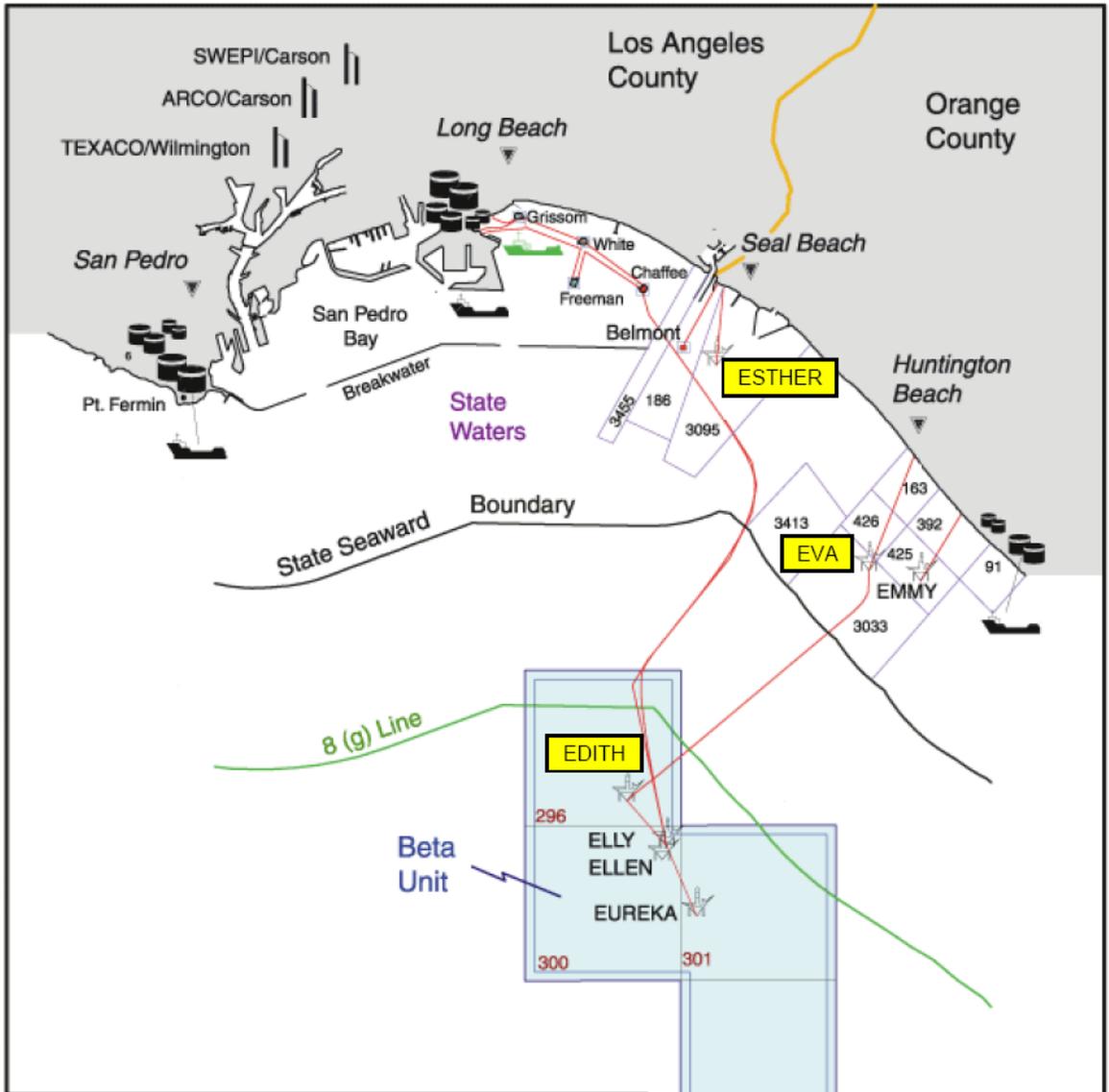
- First offshore well – 1897, Summerland piers
- First oil platform – 1932, Rincon “Steel Island”
- First drilling island – 1954, Seal Beach “Monterey”

- CA’s First modern platform – 1954, S.B. “Platform Hazel”

History of DCOR Platforms

San Pedro Channel

Platform	Year Installed	Original Operator	Water Depth (ft)	Distance to Land (miles)
Esther	1965/ 1986	Chevron	30	1.4
Eva	1964	Union	59	2.1
Edith	1983	Chevron	161	8.5



San Pedro Bay OCS Operations



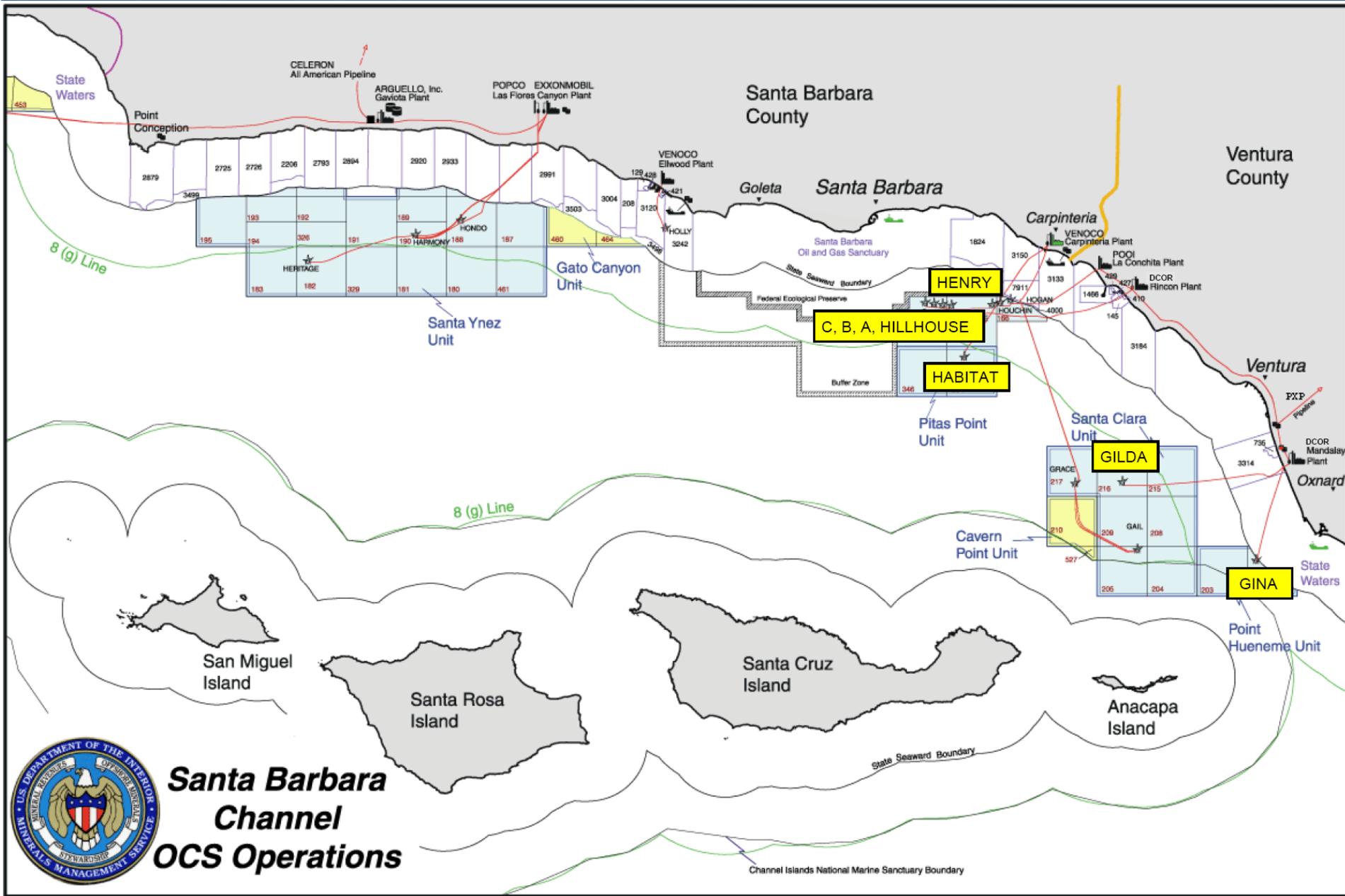
Awe F'shore
©2005

Platform Esther - break time

History of DCOR Platforms

Santa Barbara Channel

Platform	Year Installed	Original Operator	Water Depth (ft)	Distance to Land (miles)
A	1968	Union	188	5.8
B	1968	Union	190	5.7
C	1977	Union	192	5.7
Hillhouse	1969	Sun	190	5.5
Henry	1979	Sun	173	4.3
Habitat	1981	Texaco	290	7.8
Gina	1980	Union	95	3.7
Gilda	1981	Union	205	8.8



Santa Barbara Channel OCS Operations

Character of DCOR Platforms

San Pedro Channel

Platform	API Gravity	Rate of Best Free flowing Well (bbl/day)	Oil	Pipeline
			Diameter (inches)	FlowRate (K BPD)
Esther	Medium	0	3	3
Eva	Heavy	0	8	2.3
Edith	Heavy	0	6	3

Character of DCOR Platforms

Santa Barbara Channel

Platform	API Gravity	Rate of Best Free flowing Well (bbl/day)	Oil	Pipeline
			Diameter (inches)	FlowRate (K BPD)
A	Medium	0	8	4
B	Medium	0	12	5.5
C	Medium	24	6	5
Hillhouse	Medium	0	8	1.5
Henry	Medium	0	8	2.4
Habitat	Gas	0	n/a	-
Gina	Heavy	0	10	1 - 4
Gilda	Heavy	140	12	4

Spill Risks

- Nature of
 - Oil
 - Pipeline size & flow
- Age:Risk dichotomy
 - Equipment  : 
 - Reservoir  : 

Philosophy

- Prevent the spill
 - Maintenance
 - Monitoring
- Prevent Environmental Injury
(= be prepared)
 - Equipment Deployment Drills
 - Management Team Drills

Equipment Deployment Drills



Platform Eva



Conduct briefing



Spill tracking buoys



**750 ft Expandi Boom.
Ensuring valves are in deploy position**



Pick up the boom







"Lower the boom"



Crewboat
takes boom





Boom expands as
it is unrolled

A black and white tugboat is positioned on the left side of the frame, towing a long, red, flexible boom that extends across the water and curves into a U-shape. The water is a deep blue-grey color, and the sky is a pale, overcast grey. In the far distance, a low-lying coastline with some buildings and structures is visible. The text "Towing boom into U-shape around 'spill'" is overlaid in yellow on the lower-left portion of the image.

Towing boom into U-shape
around "spill"



MSRC vessels
arrive to take over



Boom has been handed off to the
MSRC vessels





Completing the "U" to capture the oil







Recovering the "oil"

Deploying MultiSkimmer





Clean Waters 1
arrives on the scene



Recon 2 has handed-off to
Clean Waters 1 for boom
retrieval

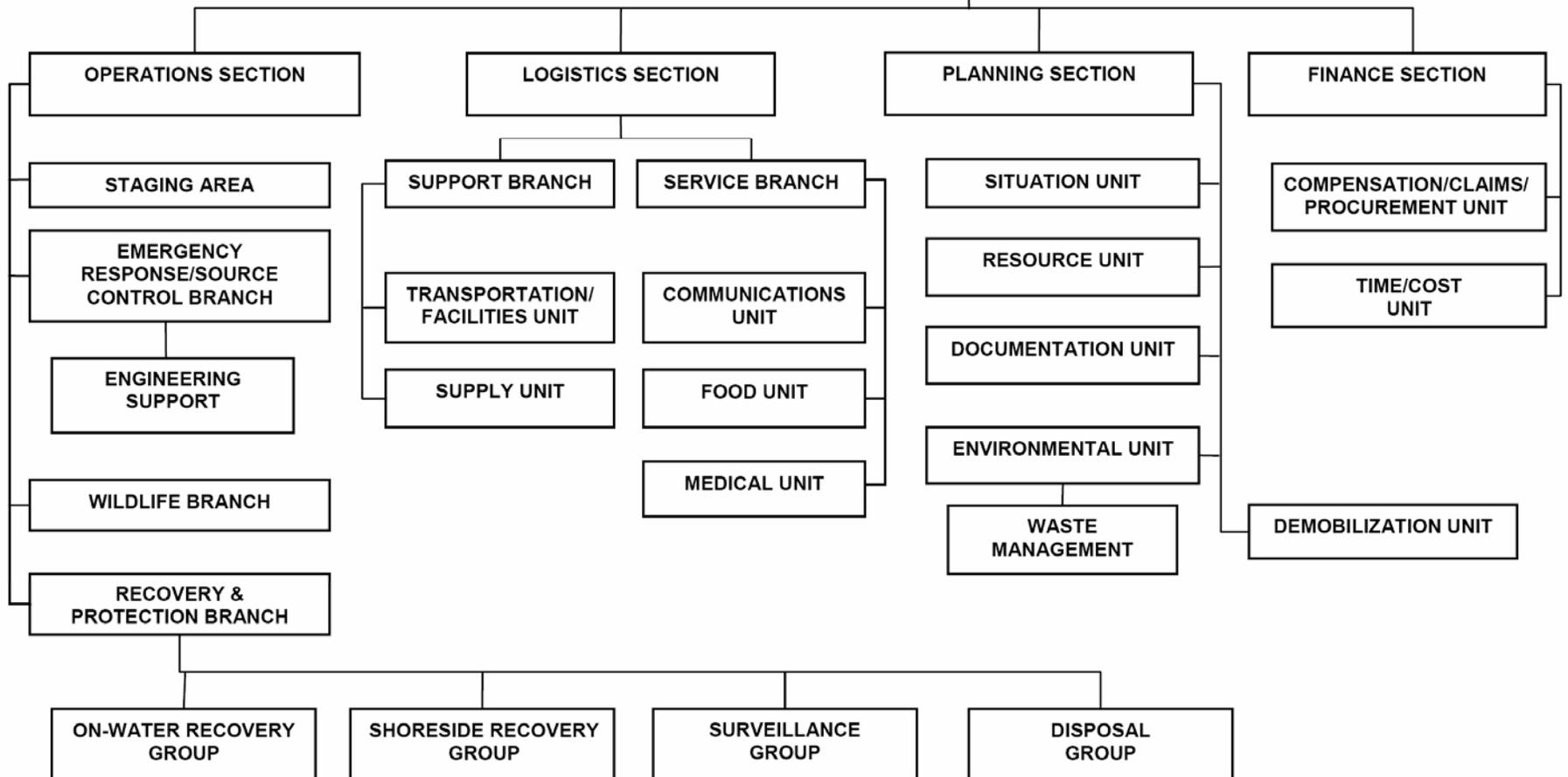


Incident Management Team Drills

DCOR INCIDENT MANAGEMENT TEAM (IMT)

INCIDENT COMMANDER/
DEPUTY INCIDENT COMMANDER

COMMAND STAFF
GOVERNMENT AFFAIRS OFFICER
LEGAL OFFICER
SAFETY OFFICER
PUBLIC INFORMATION OFFICER
SCRIBE
NRDA





Command Center

Spill Response Plan



OIL SPILL RESPONSE PLAN Volume I – CORE

Santa Barbara Channel
and
San Pedro Channel

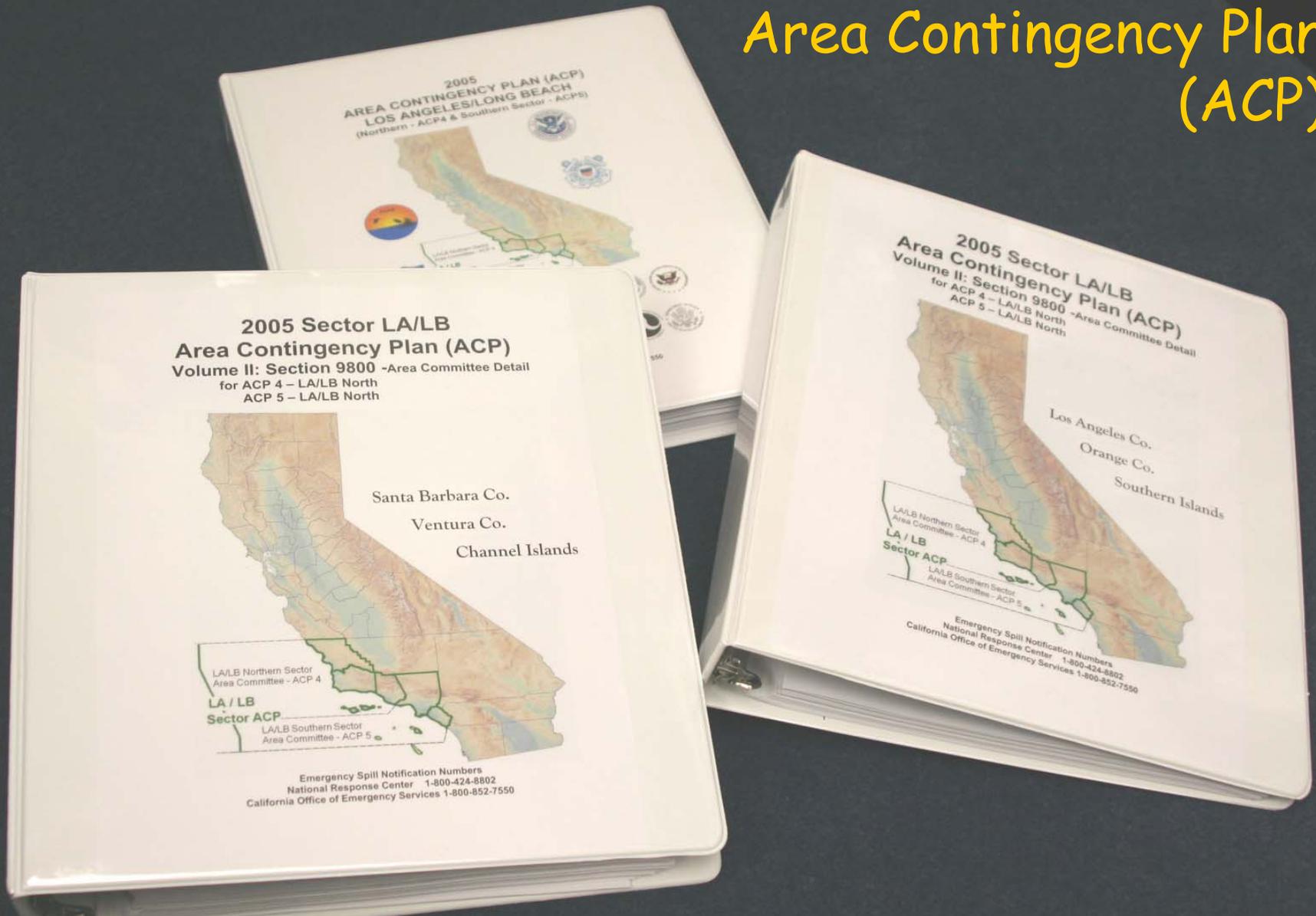
Platforms, Onshore Facilities, and
Associated Pipelines

OIL SPILL RESPONSE PLAN
Volume I – CORE
Santa Barbara Channel and San Pedro Channel
Platforms, Onshore Facilities, and Associated Pipelines

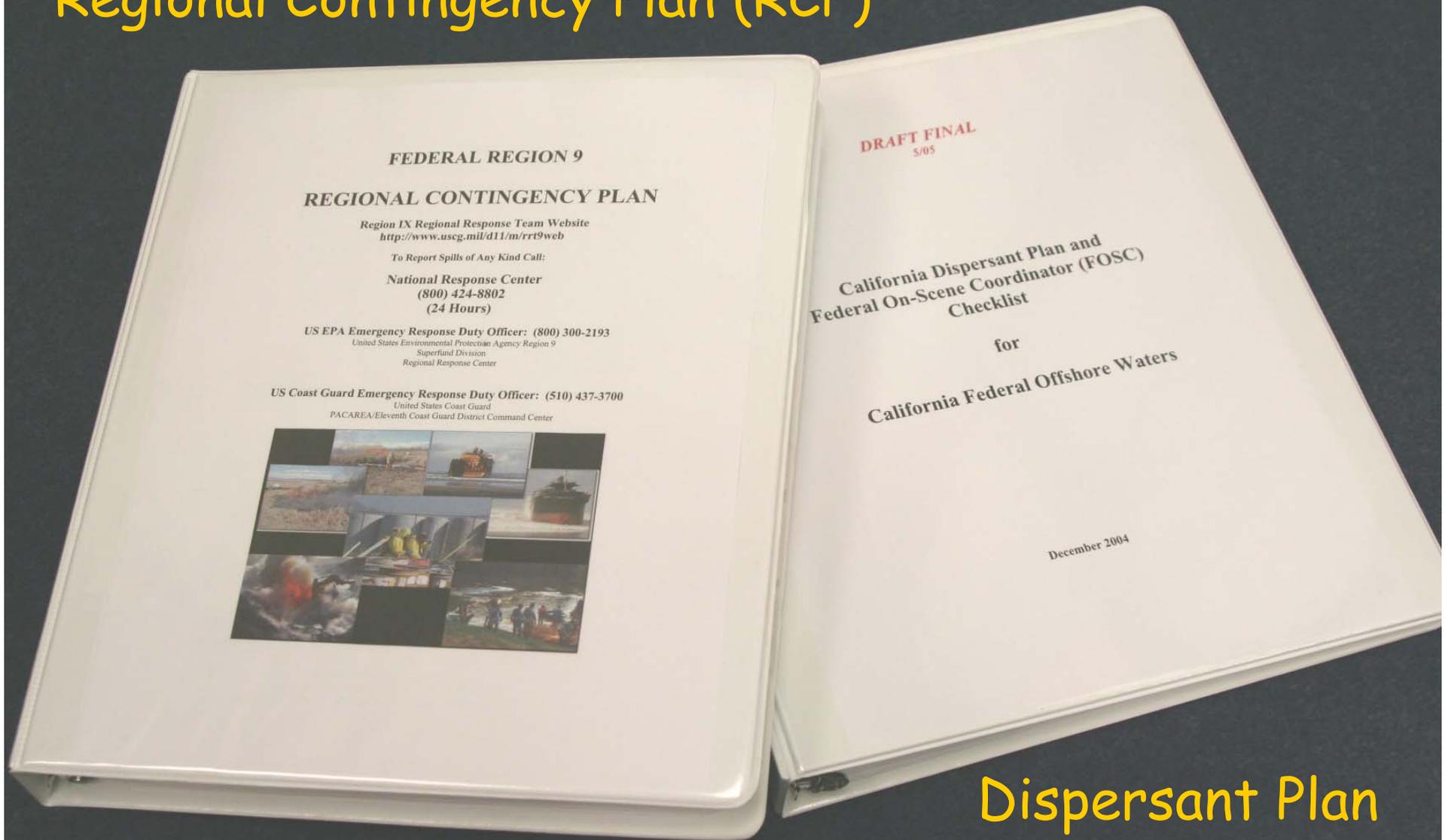
Charts



Area Contingency Plan (ACP)

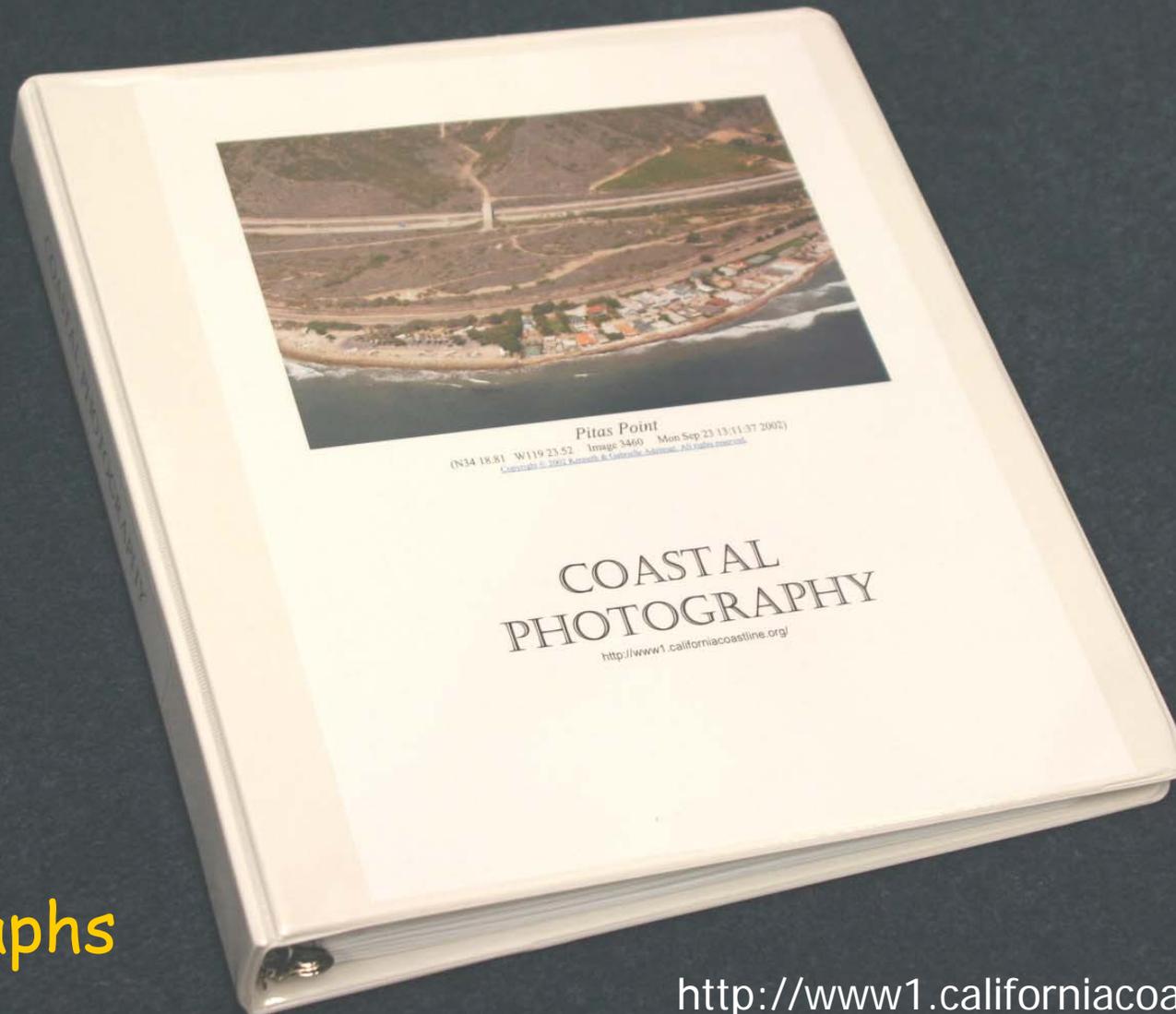


Regional Contingency Plan (RCP)



Dispersant Plan

Coastal Photographs



<http://www1.californiacoastline.org>



Guidelines for the Scientific Study of Oil Spill Effects
(a collection of methods - esp. for NRDA)

SUMMARY

Prevention

Practice

Practice

Practice