

*Gulf of the Farallones
National Marine Sanctuary*

Emergency Response Planning

April 13, 2006

Why are we doing this?



Oil Spills Are Our #1 Resource Protection Concern

*Seabirds
Marine mammals
Intertidal communities
Socioeconomic impacts
Vessel debris*



- *Joint Management Plan Review - Vessels Spills Plan*
 - *Develop in-house plan*
 - *Proactive measures to decrease oil spill risk*
- *Code of Federal Regulations 15 - part 922.30(b)*

“Consistent with Sanctuary management plans, the Secretary shall develop and implement site-specific and contingency and emergency-response plans designed to protect Sanctuary resources. The plans shall contain alert procedures and actions to be taken in the event of an emergency such as a shipwreck or an oil spill.”



GFNMS is at a high risk of hazardous material spill due to its proximity to the busy ports and harbors within SF Bay

- *Port of Oakland is 4th largest U.S. port for containerized shipping*
- *Port of Richmond and Port of Benicia accept 700-1,000 oil tankers per year carrying average of 800 million barrels of oil per year*



(USGS C-1259, 2004)

Spills affecting the GFNMS and Northern MBNMS

- *'71 Chevron Tanker collision in SF Bay (840,000 gallons Bunker C oil)*
- *'84 T/V Puerto Rican explosion – off SF Bay (1,400,000 gallons oil; 2,873 birds killed - 1,856 murre)*
- *'86 T/V Apex Houston – central coast (20,000 gallons oil; 9,000 birds killed - 6,000 common murre)*
- *'96 Cape Mohican – SF Bay (~96,000 gallons oil; 7,000 birds killed)*
- *'97-98 Pt. Reyes Mystery Spill (tar balls)*
- *'98 T/V Command – central coast (3,000 gallons heavy crude; ~11,193 birds killed - ~8,395 common murre)*
- *'01-02 Luckenbach*

- *Plus numerous small spills*



TV Prestige; Spain - Nov 2002 AP

(JMPR, 2005; K. Jennings, personal communication)

*T/V EXXON VALDEZ - March 24, 1989
Ran aground on Bligh Reef - Prince
William Sound, AK
11,000,000 gallons ANS crude*

*T/V AMERICAN TRADER -
February 7, 1990
Huntington Beach, CA
416,500+ gallons crude*



*Federal Oil Pollution Act of
1990 (OPA 90)*

*CA State Lempert-Keene-Seastrand
Oil Spill Prevention and Response
Act (OSPRA) enacted 1990*

OPA 90 and OSPRA set in motion many environmental planning, spill prevention, and emergency response activities in California

- *Adoption of Incident Command System (ICS) for response*
- *Contingency Planning - National, regional, area-wide identification of response strategies and sensitive sites (e.g. ACP)*
- *Contingency plans for vessels and facilities*
- *Drill and exercise programs*
- *Shoreline Cleanup Assessment Team Development (SCAT)*
- *Environmental Sensitivity Indices (ESI) map creation*
- *Wildlife response protocols (including creation of Oiled Wildlife Care Network in CA)*
- *Natural Resource Damage Assessment (NRDA)*

Emergency Response and Contingency Planning Authority

Federal: The U.S. Coast Guard has been delegated authority (from President of U.S.) as Federal agency in charge of marine spills.

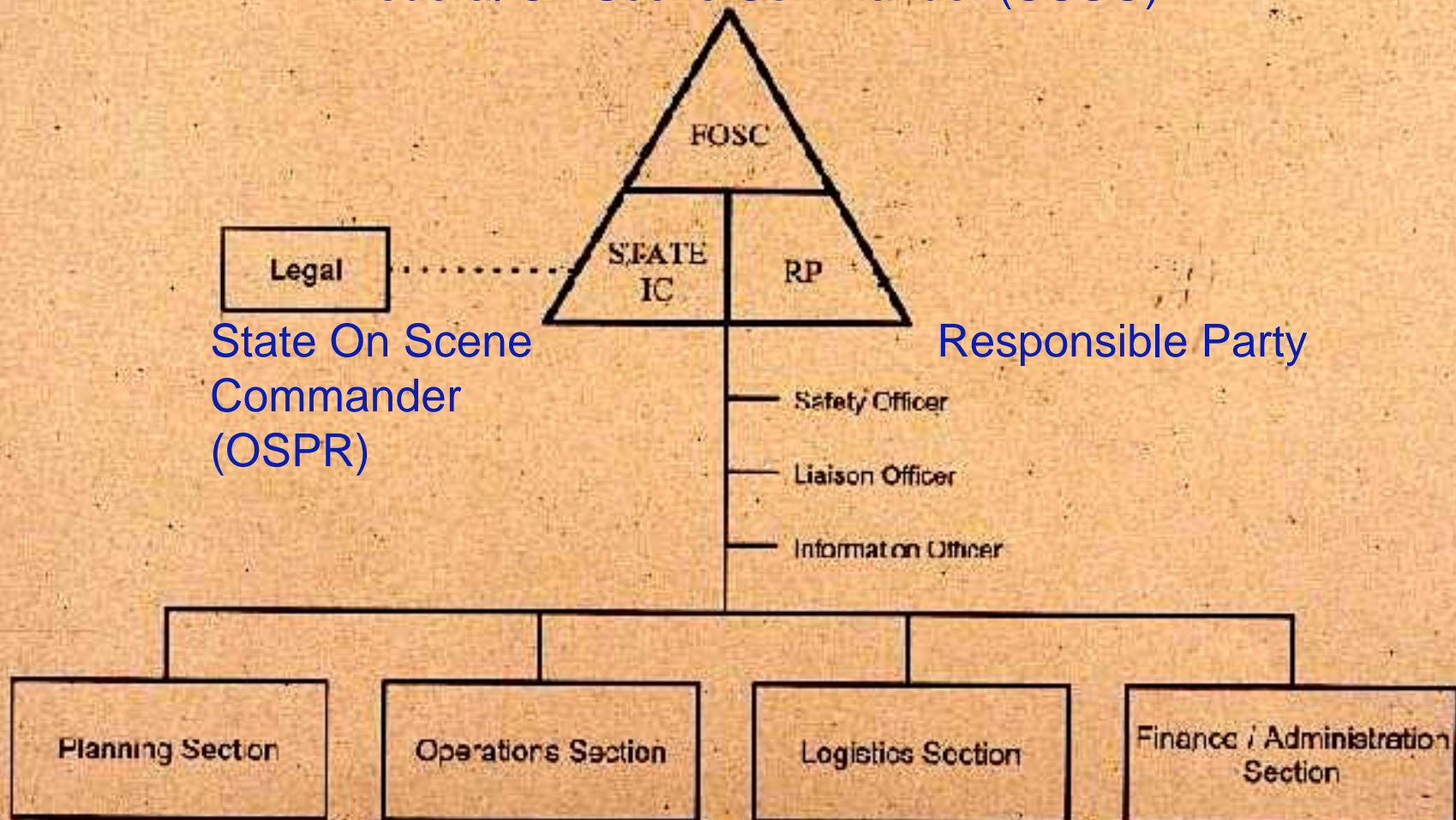
State: Office of Spill Prevention and Response (OSPR) is the State of CA lead agency. OSPR is within the CA Dept of Fish and Game.

The USCG and OSPR have primary authority for spill response, containment, removal, cleanup efforts, prevention programs, and response planning in California

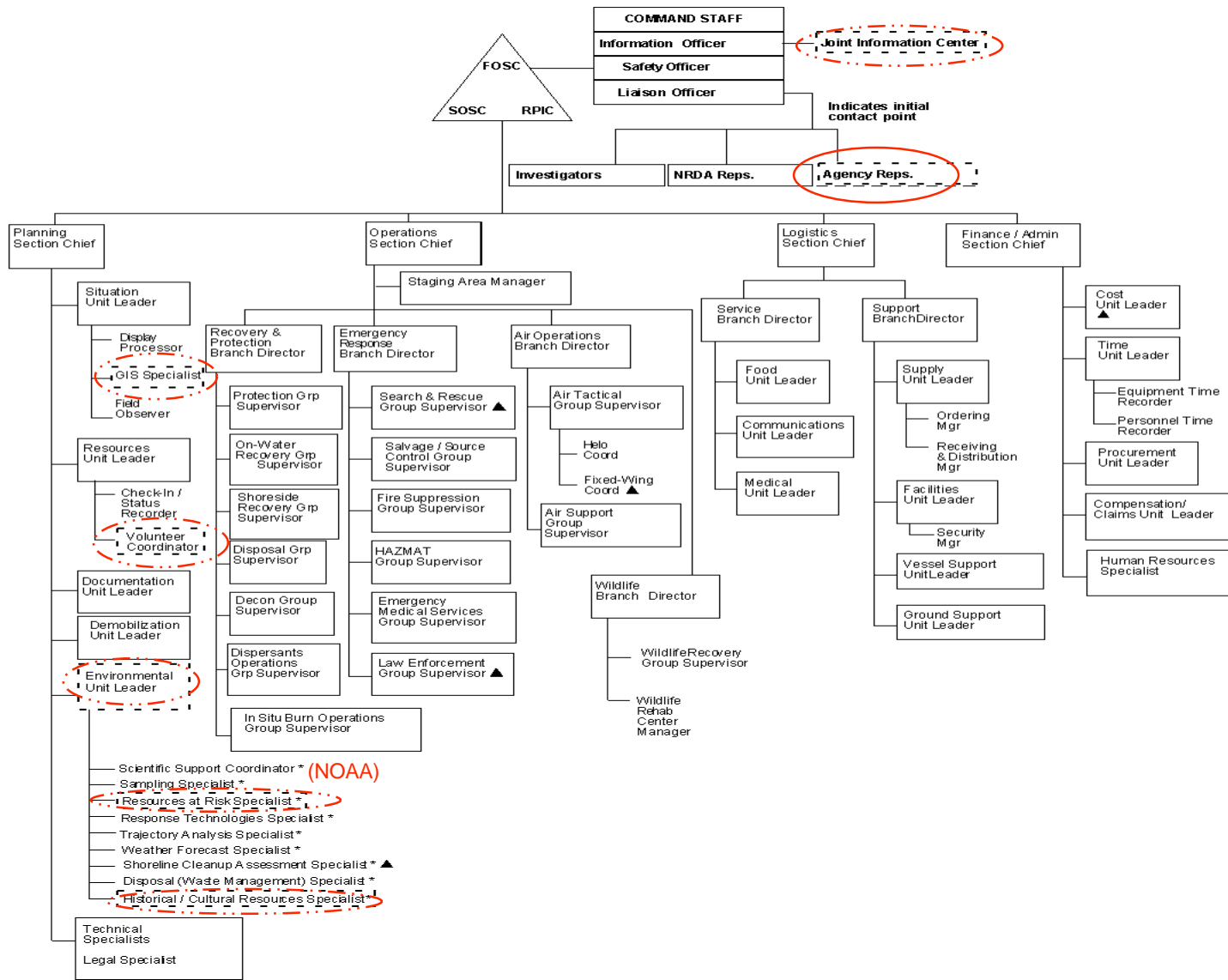
Emergency Response Activities

INCIDENT COMMAND SYSTEM

Federal On-Scene Commander (USCG)



ICS Organization Chart



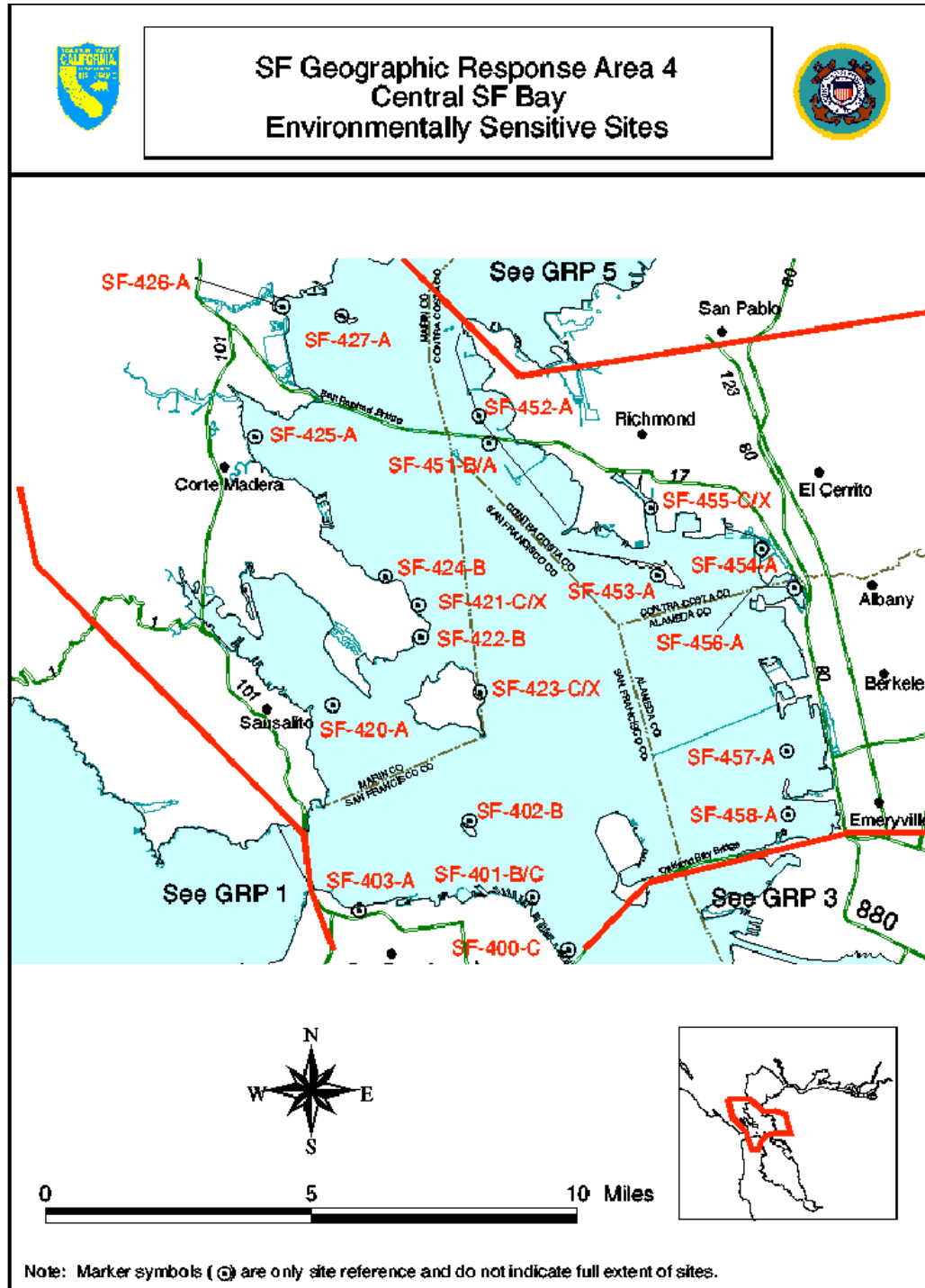
* Possible Assignment of Technical Specialists

--- Potential NMS ICS Positions

▲ Additional areas where NMS personnel may contribute within the ICS

FOSC - Federal On-scene Coordinator
 SOSC - State On-scene Coordinator
 RPIC - Responsible Party Incident Commander
 NRDA - Natural Resource Damage Assessment

Contingency Planning Activities



Contingency Planning Activities

- Sensitive Site identification and plans
 - Recommendations for setting up boom
- Policies on using various response technologies (dispersants, in-situ burning)
- Wildlife protocols
- Volunteer protocols
- Others - 2 large volumes of information - 3yr update

Albany Marsh - Site Summary

ACP#
2-456 -A

County: Contra Costa
USGS: Richmond

GRP: Latitud 37 54
OSPR Map:

Longitud 122 19
Last ACP 01/01/20

SITE DESCRIPTION: (general characterization of site - geomorphology, habitat, exposure,

This site includes the embayment and tributary marshes between the Pt. Isabel peninsula and the Golden Gate Fields peninsula. Both peninsulas are largely fill and ripped along most of their margins. The two peninsulas roughly form a rectangle with the back marsh making the shore end. The back bay marsh is pickleweed marsh fronted with a sheltered tidal flat extending and very gradually deepening bayward and around the south side toward the mouth. There is almost no wave action at the marsh margin and very little past the mouth. The extensive tidal flats are used by shorebirds for foraging and water birds shelter in the calm of this bay.

SEASONAL and SPECIAL RESOURCE CONCERNS (seasonal issues, special status spp present, water

This is an A-priority site all year due to the extensive marshes. Several Special Status Species occur here including two endangered species. These marshes and the adjacent tidal flats are heavily used by migratory shorebirds and waterfowl from

September through April.

RESOURCES AT RISK

HABITATS AT RISK: (biological habitats including time of year when most sensitive and

The primary habitats of concern are the pickleweed marsh and the fronting sheltered tidal flats. Both are natural collectic sites and both would be exceedingly difficult to cleanup or rehabilitate. The flats and the becalmed bay are important hat for birds particularly during the wintering period.

SPECIES/COMMUNITIES AT RISK (Brief summaries including time of year when most

The flats are feeding habitat for shore birds, and embayment is resting habitat for waterbirds (particularly during rough weather), including ducks, loons, grebes and gulls. The marsh is habitat for marsh birds including the endangered Californi clapper rail.

The marsh is also inhabited by the endangered saltmarsh harvest mouse.

The mudflats have an extensive infauna and a wide variety of fish forage here during high tides.

CULTURAL and ARCHEOLOGICAL SENSITIVITIES

For specific information on historic or cultural resources in this area, contact the California Dept of Parks and Recreation - Office of Historic Preservation, Northwest Information Center, (Leigh Jordan, Sonoma State College (707-664-2494))

KEY SITE CONTACTS - type: E-ntry/access; B-iological expertise; L-ogistical; C-ultural; T-rustee; or O-ther

Type	Name	Organization	Phone
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GFNMS Oil Spill Response Team

Maria Brown	(Resource Trustee representative)
Irina Kogan	(Planning Lead)
Karen Reyna	(Planning Alternate, Finance Alternate 2)
Brian Johnson	(Resource Trustee Alt, Equipment Ops Lead, Finance Alt 1)
Jan Roletto	(Environmental Operations Lead)
Shannon Lyday	(Environmental Operations Alternate 1)
Dru Devlin	(Environmental Operations Alternate 2)
Judith Novak	(Finance and Logistics Lead, Equipment Operations Alternate)
Linda Hunter	(Beach Surveyor Personnel Management Lead)
MaryJane Schramm	(Media Lead, assist with Logistics)
Julie Barrow	(Logistics Alternate 1)
Christy Walker	(Logistics Alternate 2)
Amy Dean	(Beach Surveyor Personnel Management Lead Alternate 1)
Joanne Mohr	(Beach Surveyor Personnel Management Lead Alternate 2)
Tim Reed	(GIS Analyst)
~15 Beachwatch Volunteers	(Field Operations)

FY 2006 - Workplan Activities

- *Produce up to date emergency response plan*
 - *Staff role identification and clarification*
 - *Volunteer role identification*
 - *Identify knowledge requirements and provide training*
 - *Communication protocols (internal and external)*
 - *Paperwork requirements (reporting and official forms)*
 - *Reputable salvors list*
 - *Policy determination on clean-up endpoints, response technologies (dispersants, in-situ burning)*
- *Relationship building with lead response agencies*
- *Attend ACP, Sensitive Sites Committee meetings*
- *Pursue MOU for wildlife in-take*
- *Beach Watch data incorporation into ACP*
- *Participate in response drills (e.g. Safe Seas 2006)*

Future Activities

- *maintain up to date emergency response plan*
- *continue relationship building with lead response agencies*
- *continue participation in ACP, Sensitive Sites Committee meetings*
- *maintain staff training (Response drills, Hazwoper, CPR/1st Aid, EROS)*
- *maintain awareness of evolving response technologies*

- *other JMRP Vessel Spills Action Plan activities*
 - *Spill and drift model improvements*
 - *Vessel activity profile*
 - *Evaluate recent vessel routing changes*
 - *Improved communication with maritime trade industry*
 - *Participate in vessel traffic regional forums*