

*noaa*

# Safe Seas 2006

## Reducing the Impact of Spills to the Oceans

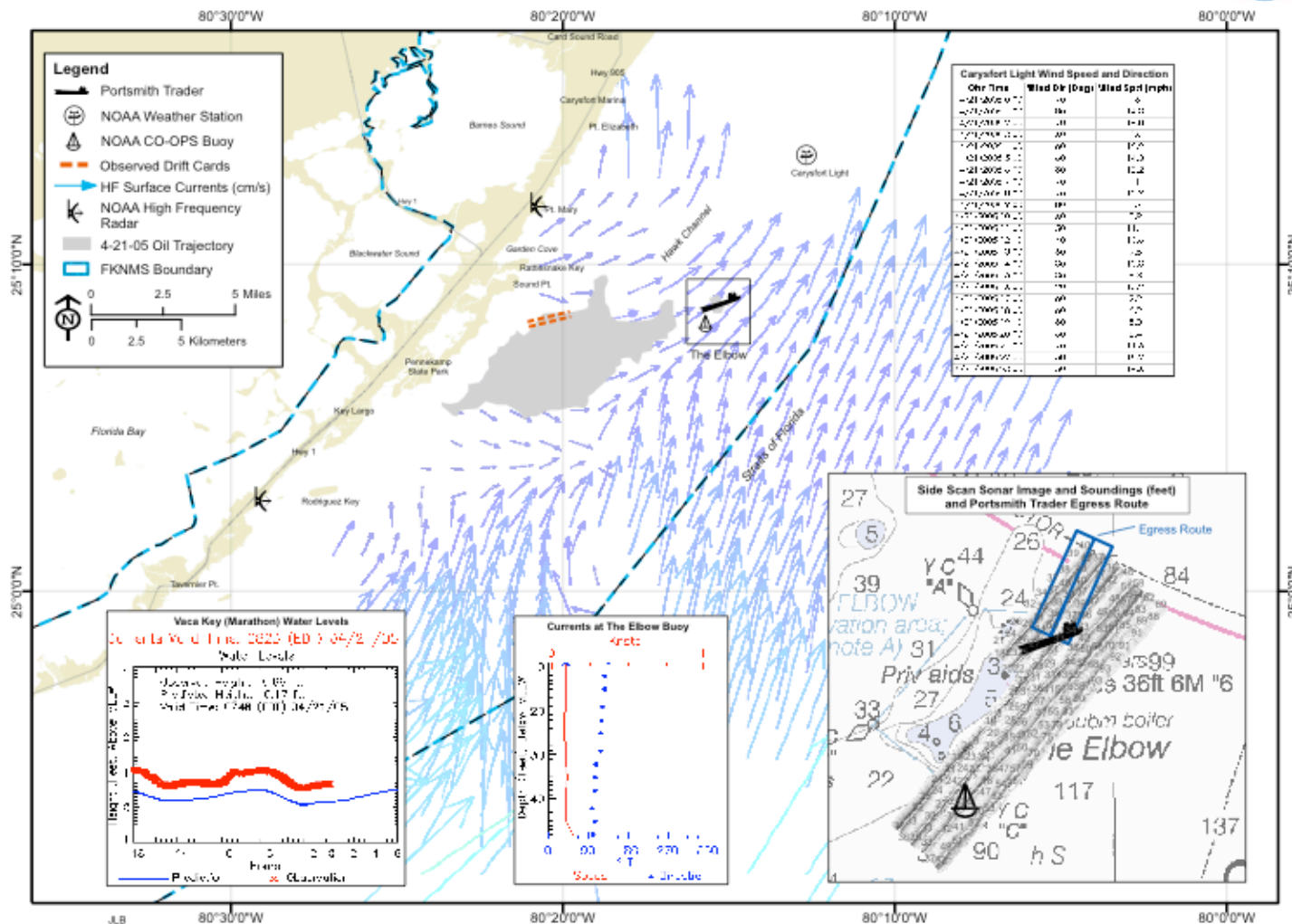


## Safe Seas 2006



Applying NOAA's ability to integrate observing, analysis, interpretation, science, and response across programs in real-time for a coastal emergency.

## Common Operational Picture at 1000 Hours, April 21, 2005, Safe Sanctuaries Exercise



## NOAA Goals

- Bring together NOAA's human and technological capabilities, integrating across programs for the common goal of protecting NOAA's trust resources.
- Develop individual skills in the Incident Command System, contingency planning, emergency response, and safety; and
- Build relationships across programs inside and outside of NOAA that foster long-term collaboration.

# The Scenario (*draft*)



The bulk freight cargo ship *M/V Blue Harp* is in-bound to San Francisco Bay from South America. The ship does not report to USCG until the Vessel Traffic Services Area Reporting boundary, the ships' Automatic Identification System (AIS) is not reporting properly.

## The Scenario (*draft*)



The tug *American Pride* with the tank barge *RP51* in tow is out-bound to Los Angeles from San Francisco. The *RP51* is carrying 1,260,000 gallons of Intermediate Fuel Oil (IFO)180 oil in 12 tanks. The *M/V Blue Harp* has 450,000 gallons of IFO 380 in 5 tanks, 20,000 gallons of marine diesel, and 2,000 of lube oil.

## The Scenario (*draft*)



*M/V Blue Harp* strikes the *RP51* near mid-ships 11nm from the Golden Gate. The barge sinks in about 17 fathoms of water. The *M/V Blue Harp* anchors, having sustained damage to a fuel tank and its propeller and rudder. Tug *American Pride* is undamaged. No serious injury to any crew.

# Exercise Design



## Decision Elements

- Environmental Domain Awareness
- Dispersant Use
- Place of Refuge
- Marine mammal rescue
- Marine debris mitigation
- Natural Resource Injury Assessment



# Exercise Activities

## Locations:

California, Washington, D.C.

## Events:

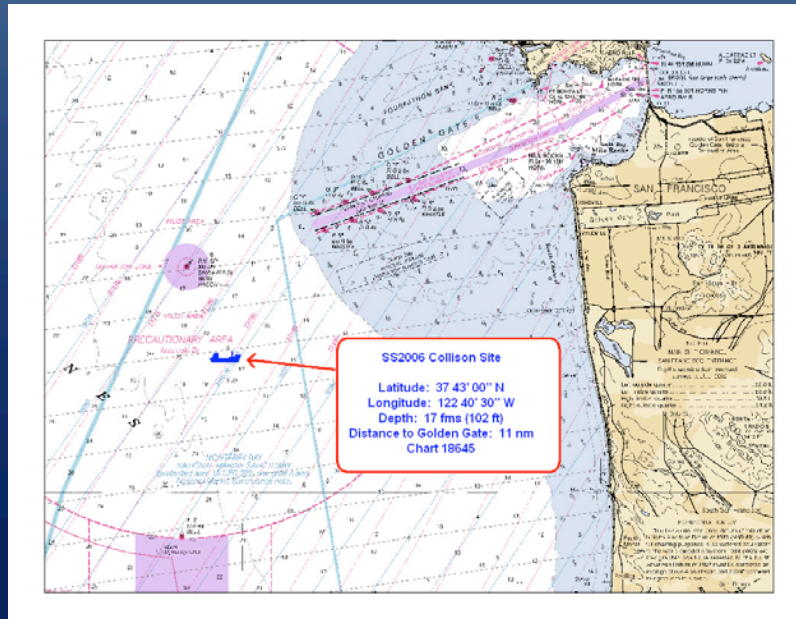
Training: April, May, June

ICS Training: July 10-11

Tabletop exercise: July 11

Functional exercise: July 12

Full Scale Exercise: August 7-11





## Safe Seas 2006 Training Overview

TRAINING	PURPOSE	AUDIENCE	LOCATION	HOURS
RUST SHIELDS	Awareness training presented mostly by NMS with a spill tools component possibly added by the SSC. SHIELDS training will focus use during the drill. This session will be for the Northern Sanctuary Staffs	Northern Sanctuary Staff	SF Bay Area and	16
		Southern Sanctuary Staff	Santa Barbara or Monterey	
SCAT	Natural Resource protection and SCAT discussion 1.5 days	USCG Pacific Strike TeamPST	Nevado, CA	8-12
		Sector SF, Sanctuary Staff	SF Bay Area	
		Sanctuary Staff	Monterey Bay Area	
		NMS Volunteers	SF Bay Area	
NRDA	Injury Assesment awareness training to be given concurrant to SCAT	Sanctuary Staff	SF Bay Area	4-8
		Sector SF, Sanctuary Staff	Monterey Bay Area	
ICS-100	Introduction to the Incident Command System	All NOAA Participants	Online	4
IS-700	<a href="#">IS-700 National Incident Management System (NIMS), An Introduction</a>	All NOAA Participants	Online	4
IS-800	<a href="#">IS-800 National Response Plan (NRP), An Introduction</a>	All NOAA Participants	Online	4
NIMS / ICS Roles in an Oil Spill	This training will be provided during the table top in July to help educate Sanctuary staff about their roles and responsibilities during an oil spill. There will be discussions regarding ICS	Sanctuary Staff and other Table Top Participants	SF Bay Area	16
HAZWOPER (8 Hours)	This training is to provide the appropriate level of HAZ Safety training for those HQ staff not generally associated with field	NOAA HQ Staff	Silver Spring	8
		NMS Volunteers	SF Bay Area	
HAZWOPER (24 Hours)	To provide HAZWOPer training at the appropriate level to NOAA field staff (across the line offices)	NOAA Field Staff	SF Bay Area	24
		NOAA HQ and Field Staff	Silver Spring (tentative)	
HEEDS	To provide Safety training to those who may need it across the NOAA line offices	NOAA Field Staff	SF Bay Area	8
SMALL BOAT SAFETY	To provide Safety training to those who may need it across the NOAA line offices	NOAA Field Staff	SF Bay Area	16?
FIRST AID / O2	To provide Safety training to those who may need it across the NOAA line offices	NOAA Field Staff	SF Bay Area	8

# Exercise Locations

## California

San Francisco Incident Command Center

Waters and airspace in the vicinity of incident

Vessel Staging Area

Aircraft Staging Area

Shoreline Survey Areas

Other Locations to be determined by participants

## Washington, DC Metro Area

NOAA Incident Coordination Center

Homeland Security Operations Center

# Possible Field Activities

- R/V Fulmar: Oceanography, operational support
- Lake Renegade Aircraft: Oil observation, operational support
- Silver Fox and/or Manta UAV: Shoreline assessment, oil observation
- Shoreline Surveys: Response, injury assessment, marine debris
- Drift Cards/Dye pills: Spill simulation, oceanography
- Marine Mammal Rescue: Simulated field operations
- Incident Metrology: Atmospheric observations
- AUV: Barge survey, bathymetric survey
- Quick Response Buoy: Oceanography
- Surface Current Radar: Oceanography



# Exercise Schedule

(Real Time)	10	11	12	July	August	7	8	9	10
	ICS Training	Training/Table Top	Functional Exercise	Revise Incident Action Plan		Equipment Staging	Full-Scale Exercise	Exercise/ Debrief	
(~Exercise Time)	7	8	August			9	10		
	Simulated Weather					Real Weather			

*noaa*

# Planning Team Activities

**Scenario Development**

**Field Operations & Safety**

**Observing Systems/Modeling**

**Training**

**Ground Logistics**

**Congressional/Media/Outreach**

**International participation**

