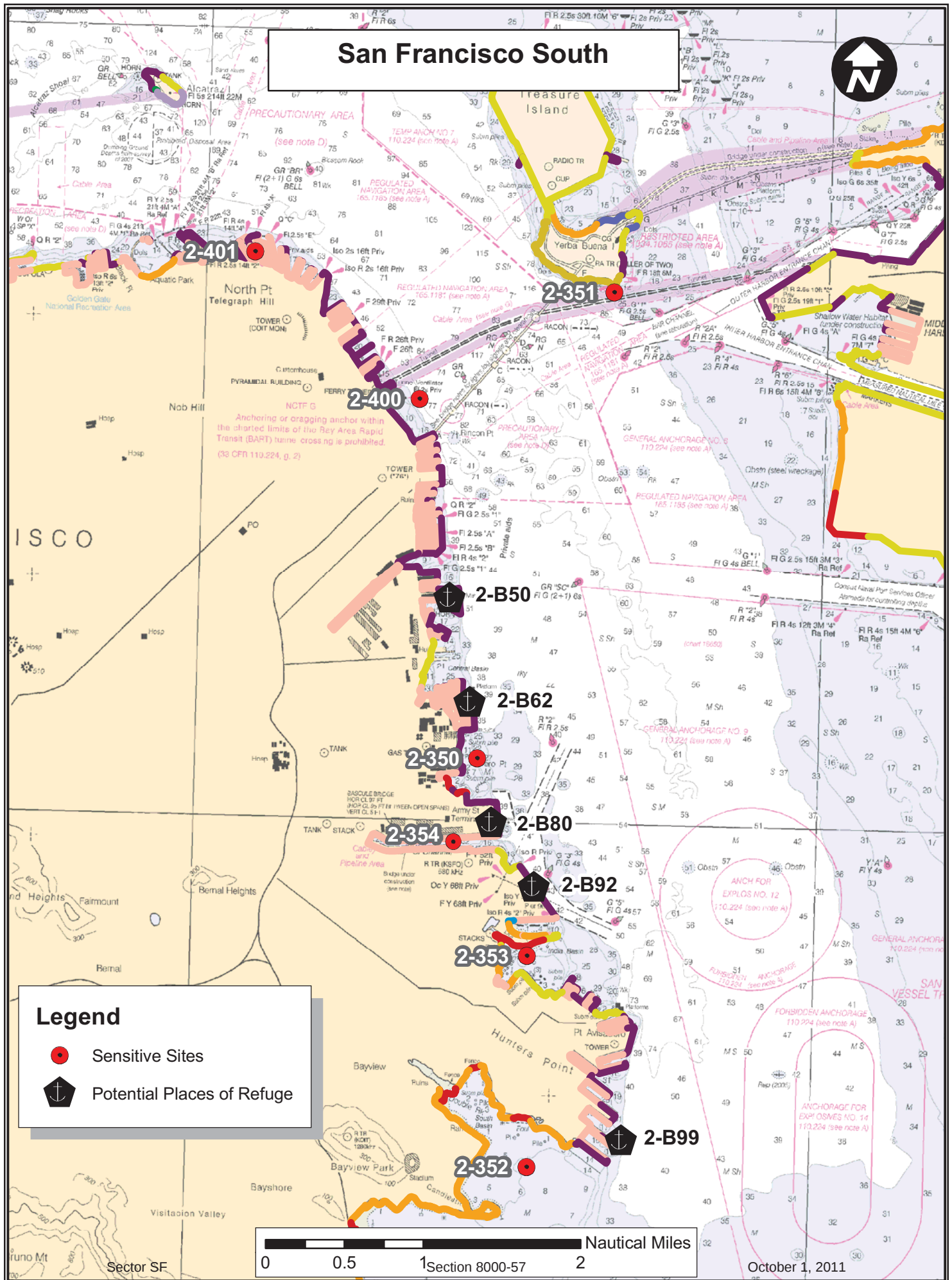


San Francisco South



Legend



Sensitive Sites



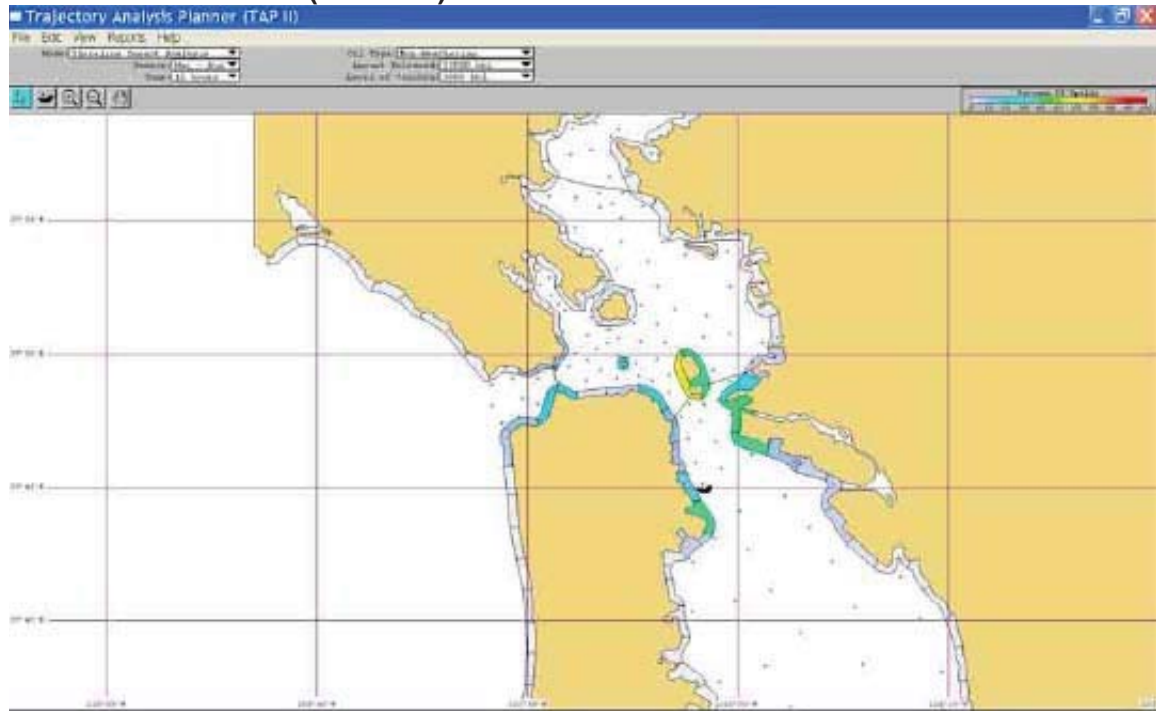
Potential Places of Refuge

0 0.5 1 2 Nautical Miles
Section 8000-57

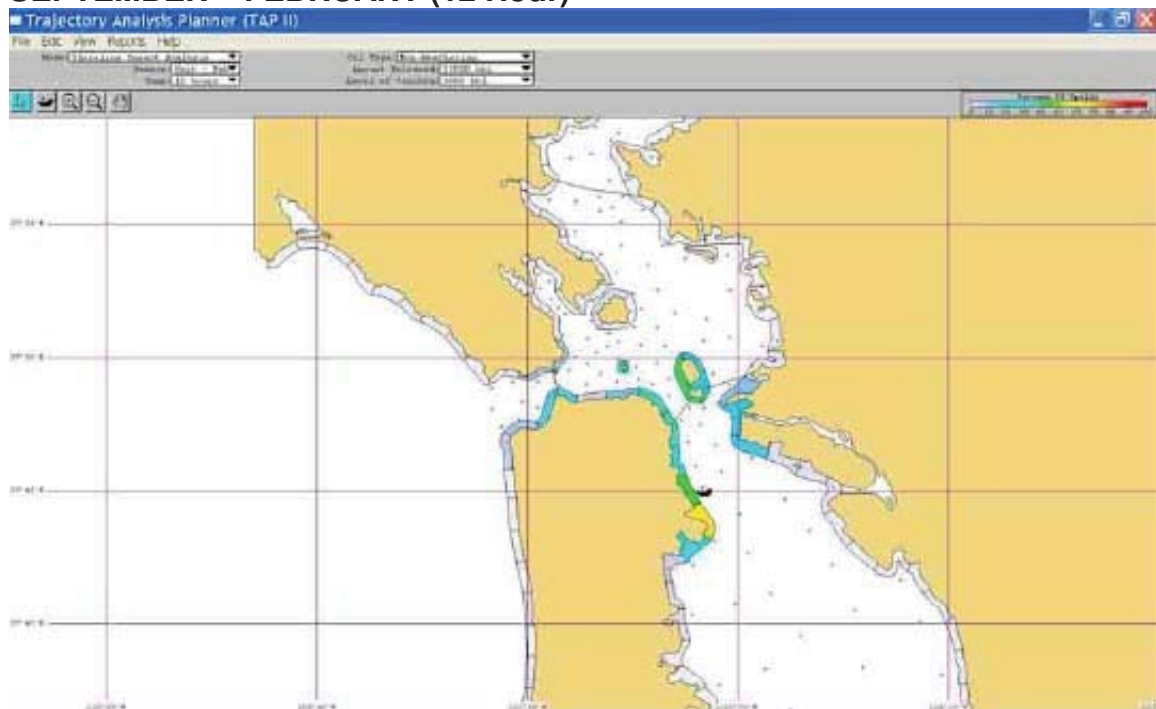
October 1, 2011

TRAJECTORY ANALYSIS PLANNER (TAP Model)
Location: 2-B80 (Army Street Terminal/Pier 80)
2-B92 (Piers 92/94/96)

MARCH – AUGUST (12 Hour)



SEPTEMBER – FEBRUARY (12 Hour)



PPOR Pre-Incident Information Summary San Francisco South: Army Street Terminal Pier 80

Latitude 37° 45' 122.4 Longitude 122° 2 122.377

County San Francisco

2-B80

Type:

Dockage

Location Description:

OPERATED BY PORTS AMERICA, THIS PIER 80 HAS 3 BERTHS AND A TOTAL ACREAGE OF 69 ACRES; THIS PIER 80 HANDLES BREAKBULK (STEEL, LUMBER, YACHTS); SHIPPING LINES ARE SAGA FOREST CARRIERS AND STAR SHIPPING; PIER 80 IS LOCATED AT the foot of Cesar Chavez Street. Access from 3rd Street off Highways 101 and 280 using the Cesar Chavez Street exit; PIER 80 HA S 3 (40 feet MLLW) berths Total length of 2,700 feet (Wharf design load of 1,000 lbs./sq.ft.); Pier 80 represents the most diverse terminal on the West Coast. Pier 80 can work break bulk cargoes such as steel, paper and lumber as well as containers. And we have access to on-dock warehouse space, staging area for project cargo as well as 4 deep-water berths and 4 gantry cranes.

Natural Resource Concerns and Issues for this Place / Site

Threatened and Endangered Species (TAES):

YBL-(S/F E/E) peregrine falcon present year-round, nest March-August.

Heron's Head Park/India Basin and Islais Creek/Pier 94: (F/E) California seablite plant present year round at HHP. Both potential suitable habitat for (S/F-E/E) salt marsh harvest mouse.

Critical Habitat for TAES:

Heron's Head Park/India Basin and Islais Creek/Pier 94 have high value as salt marsh habitat on industrialized SF Peninsula. Also suitable habitat for presence of (S/F-E/E) salt marsh harvest mouse.

Sensitive Non-protected (Non-TAES) Species:

SFACP2:350E/X,351A/B,352B,353A,354A,400C/X,401B; ESI/SFB-Maps 16,19,20

SF South Collection-herring spawn during winter, seabirds and fish present year-round. YBI-Small cobble pocket beaches south side of island are pinniped haulout and rookery March-June, bird roosting (double-crested cormorant) year-round and nesting. South Basin/Hunters Point important fringe marshes, tidal mudflats, eelgrass, with concentrations of waterfowl, shorebirds present year round and in higher numbers (1000s) during winter, brown pelicans May-Nov. Heron's Head Park/India Basin and Islais Creek/Pier 94 are wetland restoration sites with high ground vegetation, pickleweed marsh, saltmarsh ponds/lagoons, mudflats supporting variety of water birds, shorebirds and upland songbirds. SF Waterfront herring spawning in winter, birds roost and forage year-round. Pier 39 sea lion haulout year-round, highest numbers August-March.

Subsistence-use Species:

Critical Habitat for Subsistence Species:

Essential Fish Habitat:

Historic and Cultural Resources:

PPOR Pre-Incident Information SummarySan Francisco South: Army Street Terminal Pier 80

Latitude 37° 45' 122.4 Longitude 122° 2 122.377
County San Francisco

2-B80
Type: Dockage

Commercial Fisheries / Species:
Commercial fishing from TI/YBI.
Recreational Species and Habitat:

Human Health / Safety Concerns and Economic Issues for this Place / Site

Human Health and Safety
The City and County of San Francisco is the fourth most populous city in California and the 14th most populous city in the United States, with a 2007 estimated population of 764,976.
Economic Impact on Commercial Fishing and Aquaculture:
This site has no impact on commercial fishing.
Economic Impact on Recreational Fishing and Marine Tourism:
This site is not used for rec fishing or marine tourism.
Economic Impact on Non-maritime Commerce:
Collateral effects due to a disturbance in intermodal transportation systems may happen if the maritime transportation system is obstructed.
Other Economic Impacts:
Airborne release of a hazardous substance or a catastrophic incident will most likely impact population desire to stay away from affected areas or any large metropolitan areas due to a fear factor.

Stakeholder List for this Place / Site

Name	Title	Organization	Phone	more details
E Carol Bach		Port of San Francisco	(415) 274-0568	
E/C Bill Doll	Chief of Resources	San Francisco Maritime National Historical Park	(415) 859-6779	
O City of San Francisco		San Francisco, City and County of	(415) 556-8371	
E Sidonie Sansom	DirHomeland Security	Port of San Francisco	(415) 274-0544	
O Linda Scourtis		SF Bay Conservation and Development Commissio	(415) 352-3644	
T Vika Sirova	EnvProtectSpecialist	US National Park Service, Golden Gate (NRA)	(415) 561-4478	
T Brian Ullensvang	Env. Programs Chief	Golden Gate National Recreation Area - NPS	(415) 561-4439	

Characteristics and Tactical Considerations

Primary Jursidictional Contact: PORT OF SAN FRANCISCO AT 415-274-0400
Approximate Tug Response Time: 1 HOUR
Marine Fire Fighting Resources SF PIER 24: 37-47.42, 122-23.24

PPOR Pre-Incident Information SummaSan Francisco South: Army Street Terminal Pier 80

Latitude 37° 45' 122.4 Longitude 122° 2 122.377
County San Francisco

2-B80
Type: Dockage

List of Nearby Environmentally Sensitive Sit SFACP2: 2-350E/X,2-351A/B,2-352B,2-353A,2-400C/X,2-401B; ESI/SFB - Maps Is Containment Possible? ☐

Coast Pilot and Navigation Chart Information

Prevailing Winds	Tidal Range	Bottom Type	Max Water Depth	Min Water Depths	Currents	Sea Conditions	Fog	Shelter From Severe Storms	Navigation Approach
W	6	MUD	37	0			SEASONAL	YES	

Pilot Requirements ☒

Specific Site Details

Site ID	Site Name	Vessel Capacities			Site Capacities and Facilities		ContainmentPossibilities:
		Max Size	Mini Size	Max Draft	Swing Room or Dock Face	Facilities, capabilities, and any other issues or concern	
80	Army Street Terminal Pier 80	Deep		37	1500	1500 IS THE MAX LENGTH OF VESSEL ABLE TO BE AT THIS SITE. SF PIER 22 1/2 IS HOME OF FIRE BOAT GUARDIAN AND PHOENIX SF PIER 22 1/2 IS HOME OF FIRE BOAT GUARDIAN AND PHOENIX; OTHER FIREFIGHTING RESOURCES COME FROM FOSS/CHEVRON/OAKLAND AND RICHMOND.	All the piers within this place have poor containment on the ends exposed to the Bay currents, but have significant potential for containment on the north and south sides of the piers, particularly if other vessels are already positioned on the opposite site of the wharf. Secondary confinement of oil escaping containment is variable and not particularly good except at the SF Dry Dock.
Site Contact/Leasee/Owner:		PORTS AMERICA AT 415-695-2400					