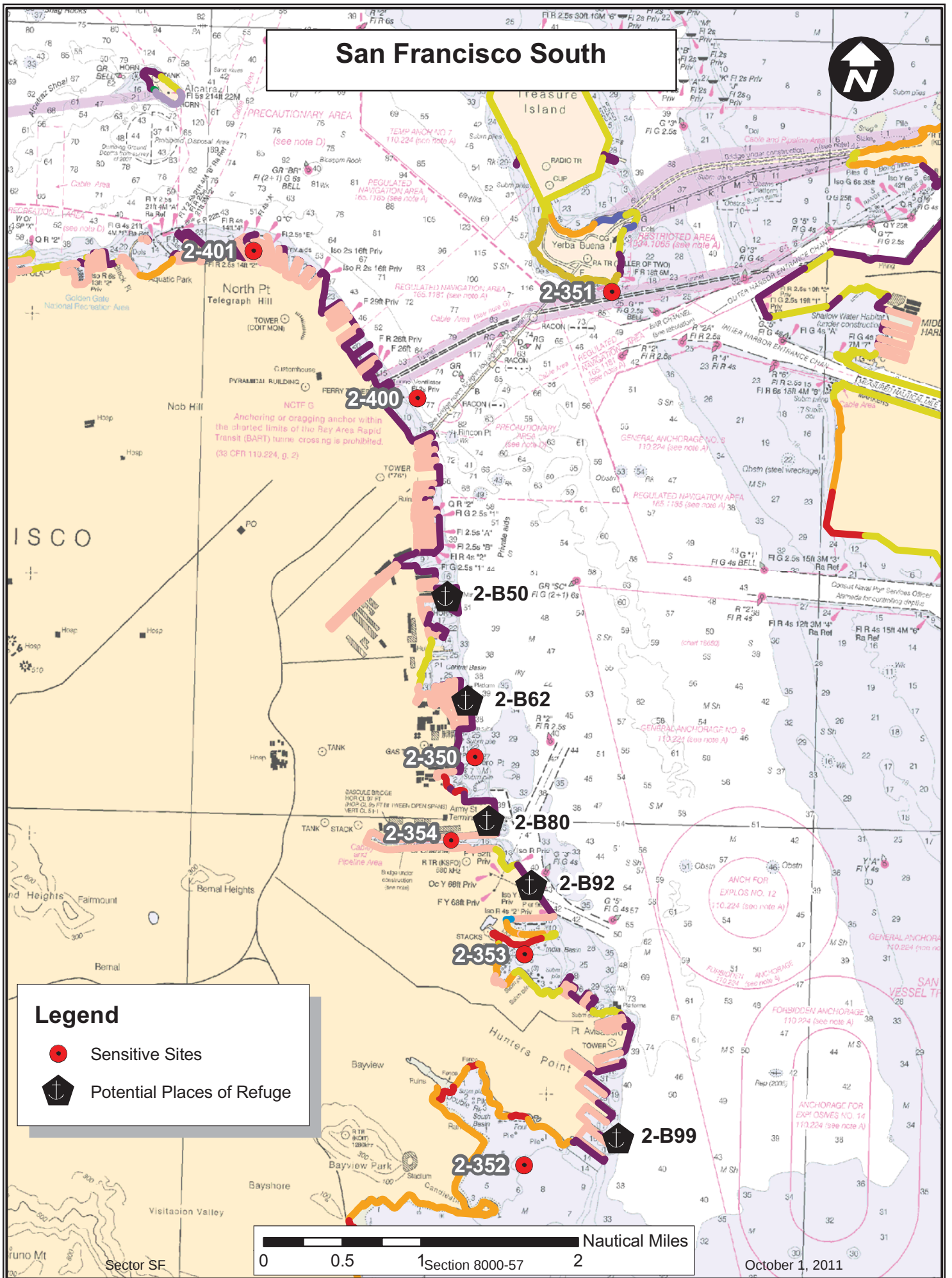
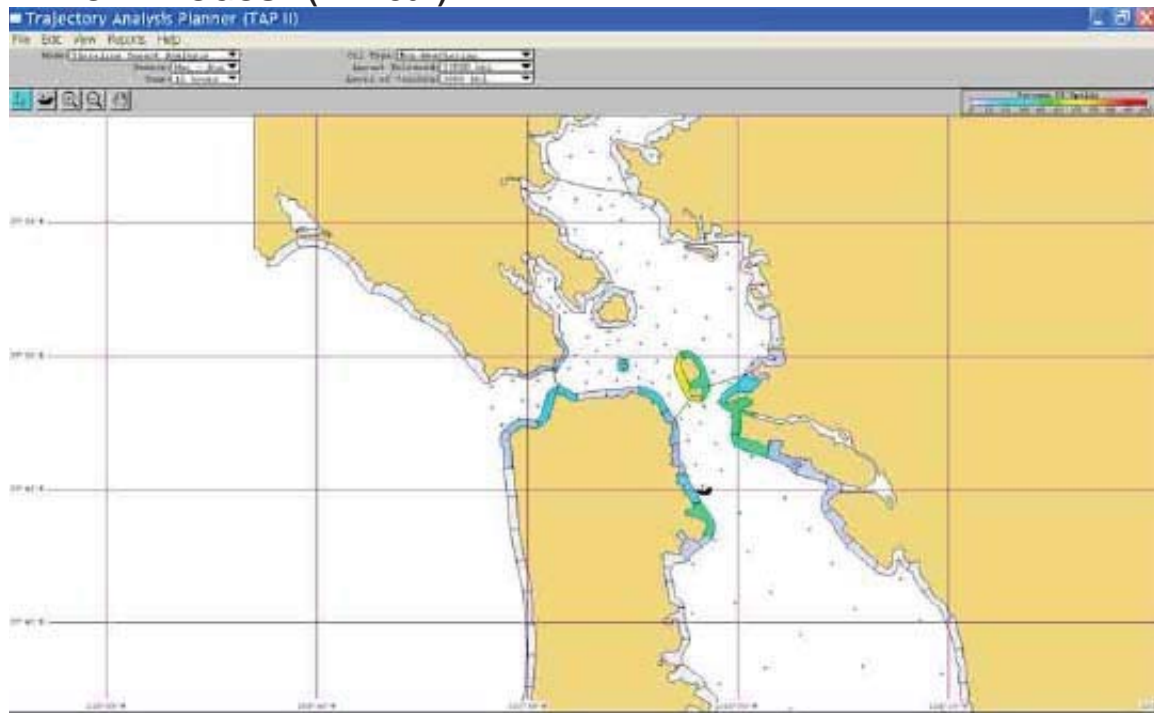


San Francisco South

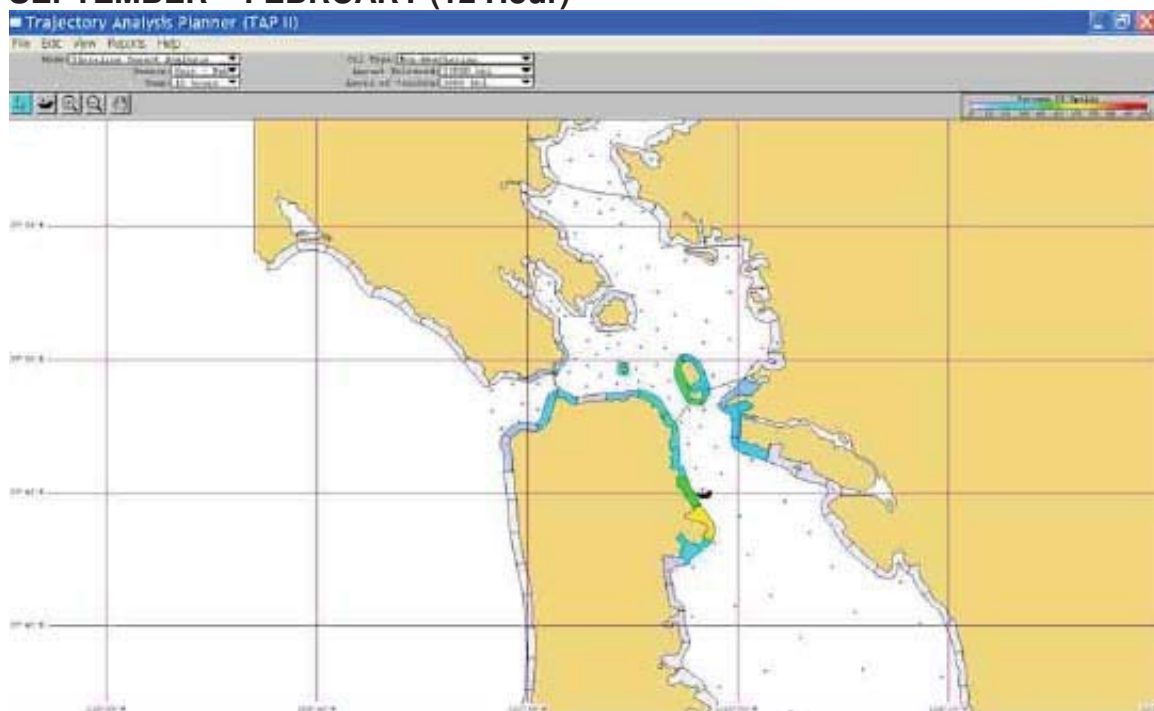


TRAJECTORY ANALYSIS PLANNER (TAP Model)
Location: 2-B80 (Army Street Terminal/Pier 80)
2-B92 (Piers 92/94/96)

MARCH – AUGUST (12 Hour)



SEPTEMBER – FEBRUARY (12 Hour)



PPOR Pre-Incident Information Summary San Francisco South: PIER 92 / 94 / 96

Latitude 37° 44. 122.4 Longitude 122° 2 122.371

County San Francisco

2-B92

Type:

Dockage

Location Description:

On Cargo Way off Third Street on San Francisco's Southern Waterfront. Easy access by Highways 101 and 280 using the Cesar Chavez Street exit. 76 Acres; 3 (40 feet MLLW) berths Total length of 2,450 feet; Wharf design load of 800 lbs./sq.ft. Piers 94/96 handles containerized and non-containerized cargos, whereas Pier 92 can handle breakbulk and liquid cargoes.

Natural Resource Concerns and Issues for this Place / Site

Threatened and Endangered Species (TAES):

YBI-(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.

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:

Essential Fish Habitat:

Commercial Fisheries / Species:

Commercial fishing from TI/YBI.

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.

Critical Habitat for Non-protected (Non-TAES) Species:

Critical Habitat for Subsistence Species:

Historic and Cultural Resources:

Recreational Species and Habitat:

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

PPOR Pre-Incident Information SummaSan Francisco South: PIER 92/94/96

Latitude 37° 44. 122.4 Longitude 122° 2 122.371
County San Francisco

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 Maritime Commerce and Shipping:

Redundant piers and accommodations exist to counter problems that may arise as a result of a Places of Refuge incident. As long as shipping channels are clear of obstructions, most commercial shipping will continue.

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

E	Carol Bach	Port of San Francisco	(415) 274-0568	more details
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 Jurisdictional Contact:

Port of San Francisco at 415-274-0400

Marine Fire Fighting Resources

SF PIER 24: 37-47.42, 122-23.24

Approximate Tug Response Time

1 HOUR

List of Nearby Environmentally Sensitive Sites

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	Navigational Approach	Pilot Requirements
W	6	MUD	38	0			SEASONAL			☒

PPOR Pre-Incident Information Summary San Francisco South: PIER 92/94/96

Latitude 37° 44. 122.4 **Longitude** 122° 2 122.371
County San Francisco

2-B92

Type:
Dockage

Specific Site Details

Site ID	Site Name	Vessel Capacities			Site Capacities and Facilities		Containment Possibilities:
		Max Size	Mini Size	Max Draft	Swing Room or Dock Face	Facilities, capabilities, and any other issues or concern	
92	PIER 92/94/96	Deep		38	2450	1200 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		