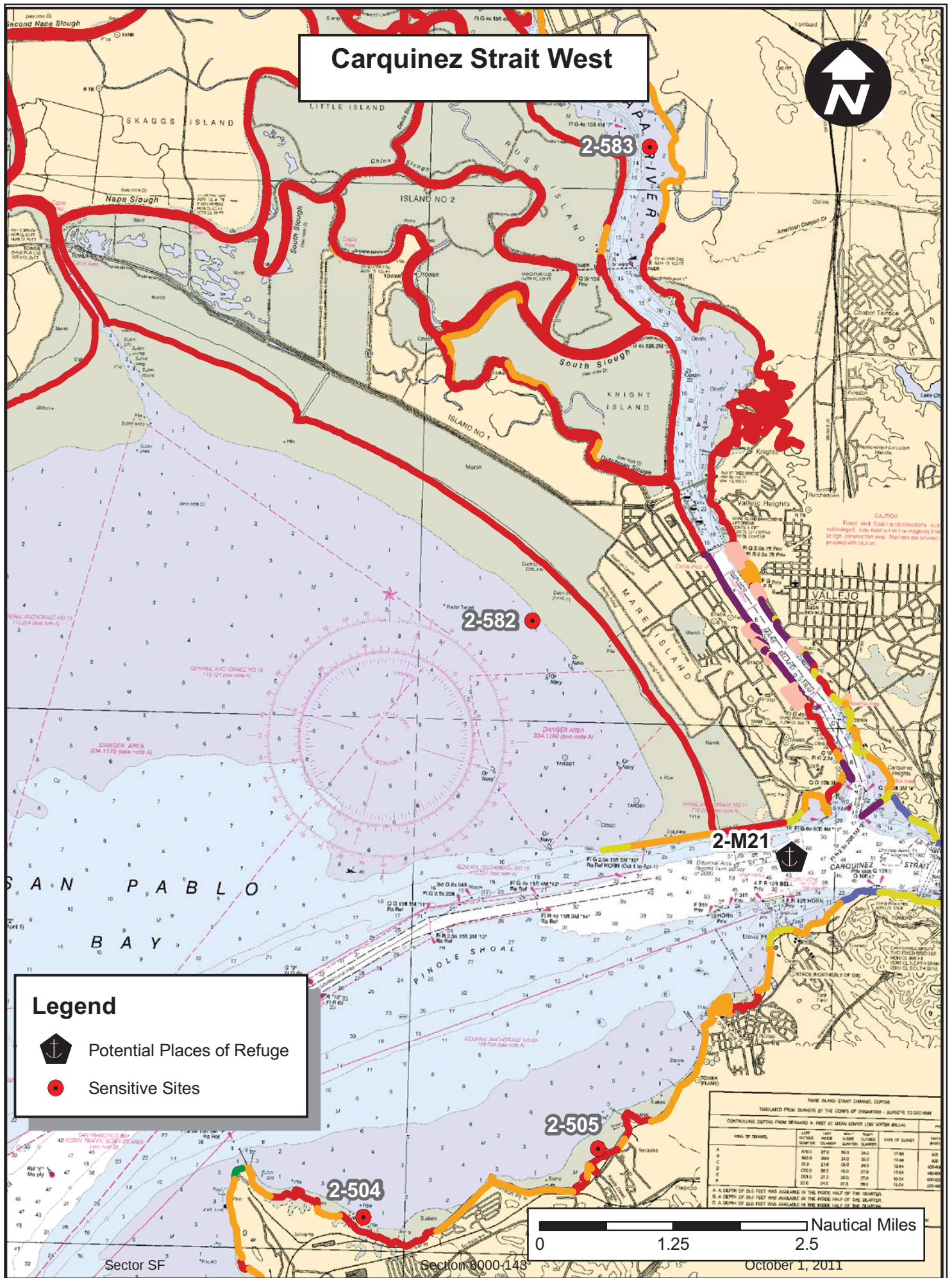


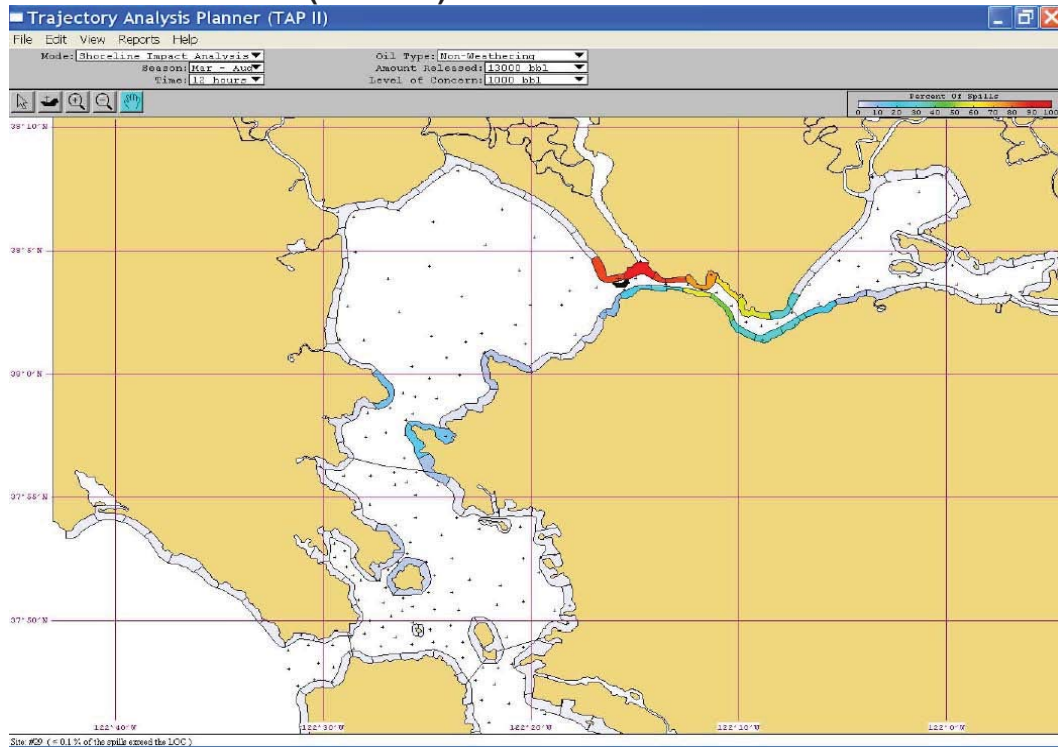
Carquinez Strait West



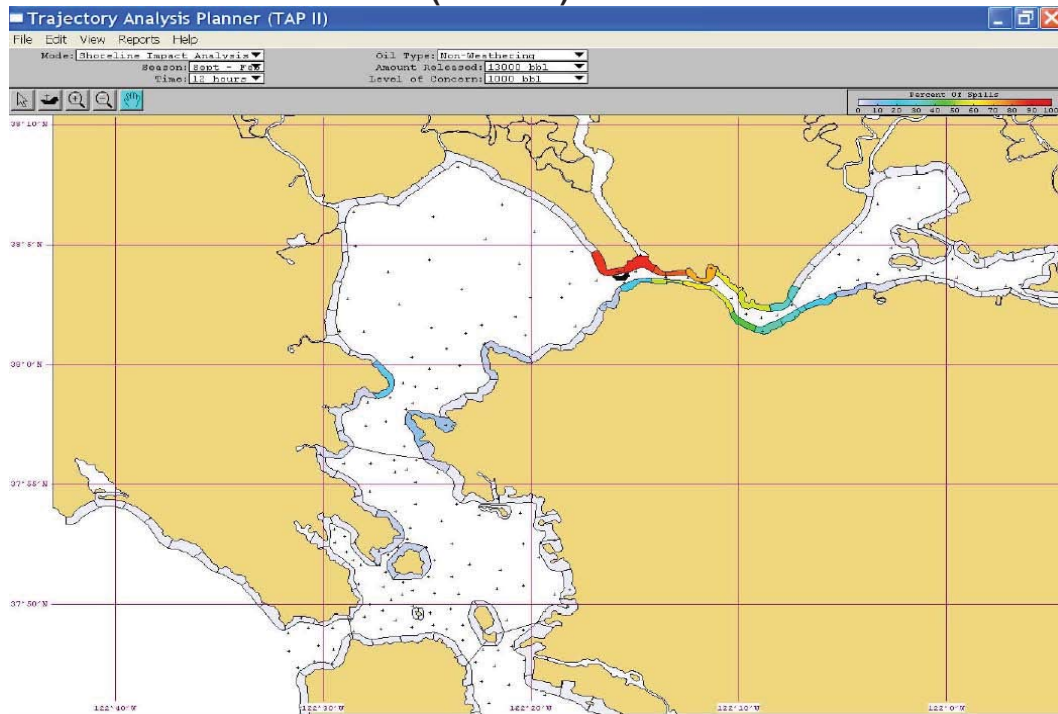
TRAJECTORY ANALYSIS PLANNER (TAP Model)

Location: 2-M21 (Carquinez Strait West: Anchorage 21)

MARCH – AUGUST (12 Hour)



SEPTEMBER – FEBRUARY (12 Hour)



PPOR Pre-Incident Information SummaCarquinez Strait West: Anchorage 21 Navy

2-M21

Type:

Anchorage

Latitude 38° 3.8' 122.3 Longitude 122° 1 122.258

County Solano

Location Description:

Natural Resource Concerns and Issues for this Place / Site

Threatened and Endangered Species (TAES):

Pinole Point Marshes–North – (S/F E/E) California clapper rail, (S–T) black rail, (F–E) soft bird's beak present.

Pinole Creek and Wetlands – (F–T) steelhead in creek, (S–T) black rail in wetlands.

NE San Pablo Bay – (S/F E/E) California clapper rail, (S–T) black rail, (S/F E/E) salt marsh harvest mouse, (SOSC) Suisun shrew, (F–E) soft bird's beak, (Rare plant) Suisun marsh aster.

Napa River Marshes – (S/F E/E) California clapper rail, (S–T) black rail, (S/F E/E) salt marsh harvest mouse, (F E) soft bird's beak, (Rare plants) Marin knotweed, Delta tule pea, Suisun marsh aster, Mason's lilaeopsis.

West Carquinez Strait supports (S/F E/E) winter–run Chinook salmon and (S/F T/T) delta smelt.

Sensitive Non–protected (Non–TAES) Species:

SFACP2: 504A,505A,582A,583A; ESI/SFB–Maps 3 & 8.

Pinole Point Marshes north and mudflats support migratory shorebirds abundant in spring and fall, waterfowl abundant winter, and San Pablo vole. Cordgrass, salt marsh, mudflat, eelgrass in vicinity of Pinole Creek support shorebirds, waterfowl, gulls, clam beds. NE San Pablo Bay supports abundance resting/feeding shorebirds, during fall/winter thousands of waterfowl, double–crested cormorants present year–round. Napa River marshes support abundant resting/feeding shorebirds, Sacramento split–tail.

Subsistence–use Species:

Essential Fish Habitat:

Variety of fish including surf perch, flatfish, sturgeon, striped bass, salmon present in waters over mudflats at Pinole Point. Fish inhabit Pinole Creek.

Critical Habitat for TAES:

California clapper rails are present year–round in many marshes in this area. There are high densities of salt marsh harvest mice in many marshes within this area.

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

Critical Habitat for Subsistence Species:

Historic and Cultural Resources:

Historic sites on uplands at Pinole Point.

PPOR Pre-Incident Information SummaCarquinez Strait West: Anchorage 21 Navy

Latitude 38° 3.8' Longitude 122° 1 122.258
County Solano

2-M21
Type: Anchorage

Commercial Fisheries / Species:
Pacific rock and red rock crab found offshore of Pinole Point. Juvenile Dungeness crab found west end Carquinez Strait (April–February).
Recreational Species and Habitat:

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

Human Health and Safet
Economic Impact on Commercial Fishing and Aquaculture:
Economic Impact on Recreational Fishing and Marine Tourism:
Economic Impact on Maritime Commerce and Shipping:
Economic Impact on Non-maritime Commerce:
Other Economic Impacts:

Stakeholder List for this Place / Site

Name / Title	Organization	Phone	more details
Dispatch	East Bay Regional Park District	(510) 881-1833	
Park Supervisor	EBRPD-Martinez Regional Shoreline	(510) 544-3123	
Shoreline Unit Manag	East Bay Regional Park District	(510) 544-3172	
Michael Bloom BRAC Env. Coord.	Mare Island Naval Shipyard	(619) 532-0967	
Jim Ferris Environmental	Conoco Phillips Rodeo Refinery	(510) 245-4517	
John Henderson FWS Biologist	US Fish & Wildlife Service, Environmental Contami	(916) 414-6595	
Damian Higgins	U.S. Fish & Wildlife Service	(916) 414-6548	

Characteristics and Tactical Considerations

Primary Jursidictional Contact: VTS
Approximate Tug Response Ti
Marine Fire Fighting Resources None
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
NW	5'	Mud/Sand	73	40	3 Knots	Minimum	Yes – Wintel	Minimum	East–West	☒

Specific Site Details

Site ID	Site Name	Vessel Capacities					Site Capacities and Facilities		ContainmentPossibilities:
		Max			Mini		Swing Room or Dock Face concern	Facilities, capabilities, and any other issues or concern	
		Size	Size	Size	Size	Size			
21	Anchorage 21 Navy	Deep	38	1100	Limited by Pinole Shoal @ 38' for transit. Check				