

County: **Marin**  
 USGS Quad: **San Quentin**

Thomas Guide Location

AAA - Mill Vall

Latitude N

3 7 54

Longitude W

122 27

NOAA Chart: **Entrance to San Francisco Bay 18649**

Last Page Update : 1/1/2000

**SITE DESCRIPTION:**

Angel Island is maintained by State Parks and is located about one mile SE of the Tiburon Peninsula. It has an area of about one square mile, and a maximum elevation of 781 feet. There is a dock and numerous floating berths in Ayala Cove located on the NW side of the island. A road runs the perimeter of the island. Sand beaches exist on the NE, E and SE shores. Rock bluffs make up a large part of the shoreline. Strong currents run through Raccoon Straits (the deep channel located on the NW side of the island). Back eddies occur along the SE shore and probably at numerous other locations around the island. An underwater cable is located between Ayala cove and Pt Stuart. Shorelines have been oiled to different degrees in several spills, and the eastern shoreline is a natural collection area for oil and other floating debris. This makes the points along the eastern shoreline natural collection areas.

**SEASONAL and SPECIAL RESOURCE CONCERN**

Herring spawn here during the winter (Nov-Apr).

**RESOURCES OF PRIMARY CONCERN**

Herring spawn here during the winter. Brown pelicans spend time on and around this island.

Various sites around the island are used by cormorants and other sea birds fish in Raccoon Strait for perching and probably nesting.

Harbor seals and sea lions haul out at various locations around the island.

Herring spawn here during the winter (Nov-Feb) with viable eggs (Feb-Apr).

The shore is well populated by marine plants and animals living on rock surfaces and in the sand below the high tide level.

**CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES**

There are historic buildings and other cultural resources present. Contact the California Dept of Parks and Recreation - Office of Historic Preservation (Eric Allison -(916) 653-9125), and the Northwest Information Center, (Bryan Much, Sonoma State College ((707) 332-1117)) for specific information on historic or cultural resources in this area.

**KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)**

Type	Name / Title	Organization	Phone
E		CA State Parks, Northern Comms Center (Dispatch)	(916) 358-0333
E	Marin District	Cal State Parks, Marin District Dispatch	(707) 769-5665
E	Marin County OES (Office Main	Marin, County of, Sheriff/Office of Emergency Serv	(415) 473-6584

**ADDITIONAL SITE SUMMARY COMMENTS:**

## 2-423 -C/X Site Strategy - Angel Island

County and Thomas Guide Location

AAA - Mill Vall Marin

NOAA CHART

Entrance to San Francisco Bay 18649

## 2-423 -C/X

Latitude N

Longitude W

3 7 54

122 27

### CONCERNS and ADVICE to RESPONDERS:

Last Page Update : 1/1/2000

Oil tends to collect on the eastern shore of the island, particularly on the beaches north of Blunt Point and Quarry Point. The beach between Blunt Point and the pier about 100 yards to the north is a mixture of coarse sand and gravel. Petroleum may penetrate this beach to a depth of six inches. The fine grained sand beach to the north would be much easier to clean. A similar situation exists to the north of Quarry Point where gravel beaches are both north and south of a fine sand grained beach.

### HAZARDS and RESTRICTIONS:

Submerged rocks along most beaches, steep cliffs along most shorelines.

### SITE STRATEGIES

Strategy 2-423.1 Objective: Collection: natural collection at Blunt Pt & Quarry Pt.

The following are the instructions to use this area as a collection site with a minimal amount of cleanup.

a) At Blunt Pt deploy 600 feet of boom (4 to 8 inch freeboard) in a NE direction from the sand beach north of the pier to collect oil. To prevent oiling of the gravel beach south of the pier, deploy 800 ft of 9X9+ Hboom from the south side of Blunt Point to the pier to the north of Blunt Point.

b) At Quarry Point, the shoreline and the eddies just off the shoreline are natural collection areas for shoreline and onwater recovery. Collect oil on fine grained beach about 1000' north of Quarry Pt by deploying 600 feet of boom (4 to 8 inch freeboard) from the beach in a NE direction. To prevent oiling of the gravel beach to the north of the collection site, deploy 1,000' of boom parallel to the gravel beach. Anchor the ends at the high tide line and anchor the midpoint 50 feet offshore. To prevent oiling of the gravel beach to the south of the collection beach, deploy 600 feet of harbor boom from the shoreline near the pier at Quarry Pt to the south end of the fine grained sand beach.

### Table of Response Resources

strategy number	harbor boom	swamp boom	Other boom type	sorb boom	Anchoring no	tvpe and dear	Boom boat	Skiffs punts	Skimmers No Type	Special Equipment or comment No and kinds	staff deploy	Staff tend
2-423.1	2600	1200	0	0	20	20 20# w/ 20' 1"chain	2	1		1000' 1/2" anchor line	10	

### LOGISTICS

**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Angel Island is a state park located SE of the Tiburon Peninsula. Access to the island is by water only. Ferry service is available from Tiburon. Numerous launch ramps and boat launching facilities are located in Sausalito. To launch boats take highway 101 to Sausalito, 3 miles north of Golden Gate Bridge. Take Bridgeway exit at north end of Sausalito about 1 mile south of the highway 1 exit. Go southeast on Bridgeway towards downtown Sausalito and the ACOE bay model. Turn left on Harbor Drive. Take harbor drive to the launch ramp at Clipper Yacht Harbor. Angel Island is maintained by State Parks and is located about one mile SE of the Tiburon Peninsula. It has an area of about one square mile, and a maximum elevation of 781 feet.

**LAND ACCESS:** Equipment and vehicles would have to be transported over water.

**WATER LOGISTICS:** Submerged rocks off most beaches.

Limitations: depth, obstruction

Launching, Loading, Docking and Services Available: Berths are available in Ayala Cove. There are piers just north of Blunt Point and at Quarry Point.

### FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

California State Parks can make space available for staging areas, and field posts. Marin County OES may be able to identify a command post.

**COMMUNICATIONS PROBLEMS:** none known

### ADDITIONAL OPERATIONAL COMMENTS:

