

**County:** Marin **ACP Division/Segment:** MR - R - S011**NOAA Chart:** Entrance to San Francisco Bay 18649 **Map Book:** AAA - Mill Vall**Decimal Degrees:** 37.880067 -122.442289**Site Description:**

Keil Cove is located on the southeastern shore of the Tiburon Peninsula, adjacent to Raccoon Straits and immediately west of Bluff Point. Keil Cove is a coarse sand and pebble/gravel/cobble beach bounded by rocky headlands on the south east end of the Tiburon Peninsula. There are eelgrass beds in the cove, which are the primary concern at this locale. The blades of the eelgrass remain below the surface of the water except at the lowest tides. Although some of the strongest currents in San Francisco Bay occur immediately offshore of this cove, the cove itself is more protected from wind waves and strong currents than most of the Tiburon Peninsula. This site and the adjacent land is privately owned residential property.

**Resources at Risk:***ESI and Habitat:* 8D Sheltered rocky rubble shores

8A Sheltered scarps in bedrock, mud, or clay

5 Mixed sand and gravel beaches

**List of Resources at Risk:**

	Resource Name	Status	Presence	Sensitivity
Amphibians	California red-legged frog	FT, SSC	Year-round	Nov-Apr
Fish	Pacific herring		Year-round	Nov - May
Fish	longfin smelt	ST	Year-round	Nov- May
Plants	eelgrass		Year-round	

FT-Federally Threatened, FE-Federally Endangered, FP-Federally Protected, SE-State Endangered, ST-State Threatened, SP -State Protected, SR-State Rare, SSC-Species of Special Concern, BGEPA-Bald and Golden Eagle Protection Act, SSSP-State Special Status Species

**List of Key Contacts:**

Type	Name/Title	Organization	Phone
C	/Coordinator	Native American Heritage Commission	(916) 373-3710
C	/Coordinator	Northwest Information Center	(707) 588-8455
E	/Emergency Contact (24hr)	Marin County Emergency 911	(415) 472-0911
E	/Emergency Service Coordinator	Marin County Office of Emergency Services	(415) 250-0267
E	/Dispatch, 24-hr	Marin County Sheriff's Department	(415) 479-2311
O	/Office	Audubon Society, Marin County Chapter	(415) 924-6057
O	/Dispatch, 24-hr	The Marine Mammal Center	(415) 289-7350

C – Cultural, Historic, Archaeological; E – Entry/Owner/Access; O – Other; S – Safety; T – Trustee; X – Exclusion or Security

**Additional Site Summary Comments:**

The coarse sand/gravel substrate beach is difficult to clean. Eelgrass beds are vulnerable at the lowest tides.

**Concerns and Advice to Responders:**

Eelgrass beds are vulnerable only on the lowest tides, but once oiled would, continue to produce a sheen for several weeks and greatly extend the cleanup period. Herring spawn here during the winter (Feb-Apr). The coarse sand/gravel/cobble beach is very difficult to clean.

**Hazard and Restrictions:**

The water is very shallow throughout the cove, avoid outboard props in the eelgrass beds at low tides. Although, the gravel beach is steep, experienced boat operators have found that landing of beach cleanup personnel was easiest at the Bluff Point end of the beach.

**Site Strategies:****Site Validation Level: II**

**Strategy: 2-422.1 Objective:** Protection booming for eelgrass and coarse sand beach.

**Strategy:** Deploy 2400 feet of Swamp boom from just west of Bluff Point to the rock, or gravel beach at the southwest end of the cove. Deploy the boom in the shallow, quiet water of the cove. Use sufficient anchors, every 100 to 200 feet, to prevent the boom from moving into the currents and wind of Racoon Strait.

Table of Response Resources

Equipment	Sub-Type	Size	Unit	QTY	Unit	Last Page Update
Boom	Swamp	6x6 inch		2400	feet	
Anchor	Danforth	22 lb		7		
Vessel	Boom Boat			1		
Vessel	Skiff or Punt			1		
Staff	Staff to Deploy			6		

**Logistics:**

**Directions:** Land access is through private property. Marin County OES may be able to get permission for access across private property. Take highway 101 to Mill Valley, Take the Tiburon Blvd (state highway 131) exit. Take Tiburon Blvd east to the business district of Tiburon. Continue on Paradise Dr. to the residences past Agreste Ave. Access is best by boat. 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 USCOE Bay Model. Turn left on Harbor Drive. Take harbor drive to the launch ramp at Clipper Yacht Harbor.

**Land Access:** Private Property, access by water with Landowners permission only.

**On-Water Limitations:** Very shallow water. Services at Sausalito and Richmond.

**Facilities, Staging Areas, Command Posts, Available Equipment:** Possible staging and field post at Tiburon Oceanographic Center.

**Communications Problems:** Cell reception varies near cliff base.

