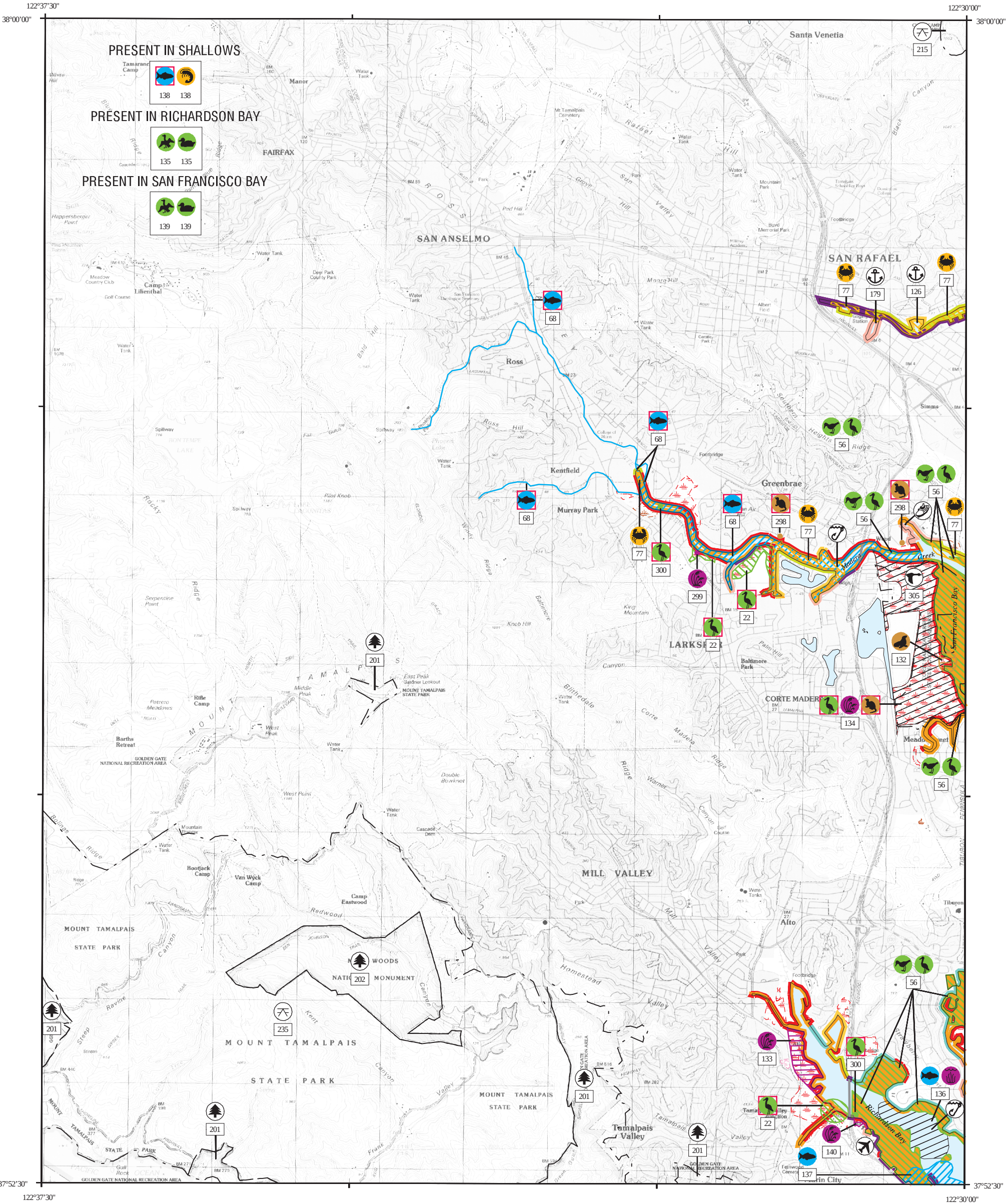


ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS

- 1A EXPOSED ROCKY SHORES
- 1B EXPOSED, SOLID MAN - MADE STRUCTURES
- 2A EXPOSED WAVE - CUT PLATFORMS IN BEDROCK
- 3A FINE - TO MEDIUM - GRAINED SAND BEACHES
- 3B SCARPS AND STEEP SLOPES IN SAND
- 4 COARSE - GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL BEACHES
- 6A GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED ROCKY SHORES
- 8B SHELTERED, SOLID MAN - MADE STRUCTURES
- 8C SHELTERED RIPRAP
- 9A SHELTERED TIDAL FLATS
- 9B VEGETATED LOW RIVERINE BANKS
- 10A SALT - AND BRACKISH - WATER MARSHES
- TIDAL MARSHES
- MUTED TIDAL MARSHES
- MANAGED MARSHES
- DIKED MARSHES
- SALT PONDS

SCALE 1:45000

1 KILOMETER

1 MILE

Not For Navigation
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National Ocean Service
Office of Response and Restoration
Hazardous Materials Response Division

1	2	3	4	5		
6	7	8	9	10	11	12
13	14	15				
	16	17	18			
	19	20	21			
		22	23	24		
			25	26	27	

SAN FRANCISCO BAY – ESIMAP 13

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
22	California clapper rail	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
56	Shorebirds			LOW	X	X	X	X		X	X	X	X	X	X		-	-	-	
	Wading birds			HIGH	X	X	X	X	X	X	X	X	X	X	X		-	-	-	
134	California black rail	S	T	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-
	California clapper rail	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
135	Canvasback			MEDIUM	X	X	X	X						X	X	X	-	-	-	
	Diving ducks			HIGH	X	X	X	X						X	X	X	-	-	-	
	Western grebe			VERY HIGH	X	X	X	X	X					X	X	X	-	-	-	
139	Canvasback			MEDIUM	X	X	X	X						X	X	X	-	-	-	
	Diving ducks			HIGH	X	X	X	X						X	X	X	-	-	-	
	Western grebe			HIGH	X	X	X	X	X					X	X	X	-	-	-	
300	California black rail	S	T	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-

FISH:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
68	Rainbow trout (steelhead)	F	T	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	FEB- JUN	JUL-FEB
136	Pacific herring			HIGH	X	X	X	X						X	X		NOV-MAR	NOV-APR	-	-	NOV-MAR
137	Pacific herring			HIGH	X	X	X	X						X	X		NOV-MAR	NOV-APR	-	-	NOV-MAR
138	American shad			HIGH					X	X	X	X	X	X	X	X	-	-	-	AUG-DEC	MAY- JUL
	Bat ray			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	-	JAN-DEC
	California halibut			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-MAR	JAN-DEC	JAN-DEC
	Chinook salmon (fall)			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (late fall)			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (spring)			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (winter)	S/F	E/E	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Leopard shark			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	-	JAN-DEC
	Striped bass			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JUN-AUG

HABITAT/PLANT:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
133	Point Reyes bird's-beak			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
134	Point Reyes bird's-beak			HIGH	X	X	X	X	X	X	X	X	X	X	X	X
	Rare plants			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
136	Gracilaria				X	X	X	X	X	X	X	X	X	X	X	X
140	Point Reyes bird's-beak			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
299	Marin knotweed			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X

INVERTEBRATE:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
77	Pacific rock crab			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Red rock crab			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
138	Blacktail bay shrimp			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-SEP	MAR-OCT	JAN-NOV

MARINE MAMMAL:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
132	Harbor seal			16	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	JUN-AUG

TERRESTRIAL MAMMAL:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
134	Salt-marsh harvest mouse	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
298	Salt-marsh harvest mouse	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X

HUMAN USE RESOURCES:

MARINA:

HUN#	Name
126	LOWRIE YACHT HARBOR
179	SAN RAFAEL YACHT HARBOR

NATIONAL PARK:

HUN#	Name	Owner	Contact	Phone
201	GOLDEN GATE NATIONAL RECREATION AREA	NPS	DISPATCH	415-561-5505
202	MUIR WOOD NATIONAL MONUMENT	NPS	MANAGER	415-338-2595

STATE/REGIONAL PARK:

HUN#	Name	Owner	Contact	Phone
215	CHINA CAMP STATE PARK	CDPR	DISPATCH	916-988-7322
235	MOUNT TAMALPAIS STATE PARK	CDPR	DISPATCH	916-988-7322

WILDLIFE REFUGE/MGMT AREA:

HUN#	Name	Owner	Contact	Phone
305	CORTE MADERA MARSH STATE ECOLOGICAL RES.	CDFG	REGIONAL OFFICE	707-944-5500