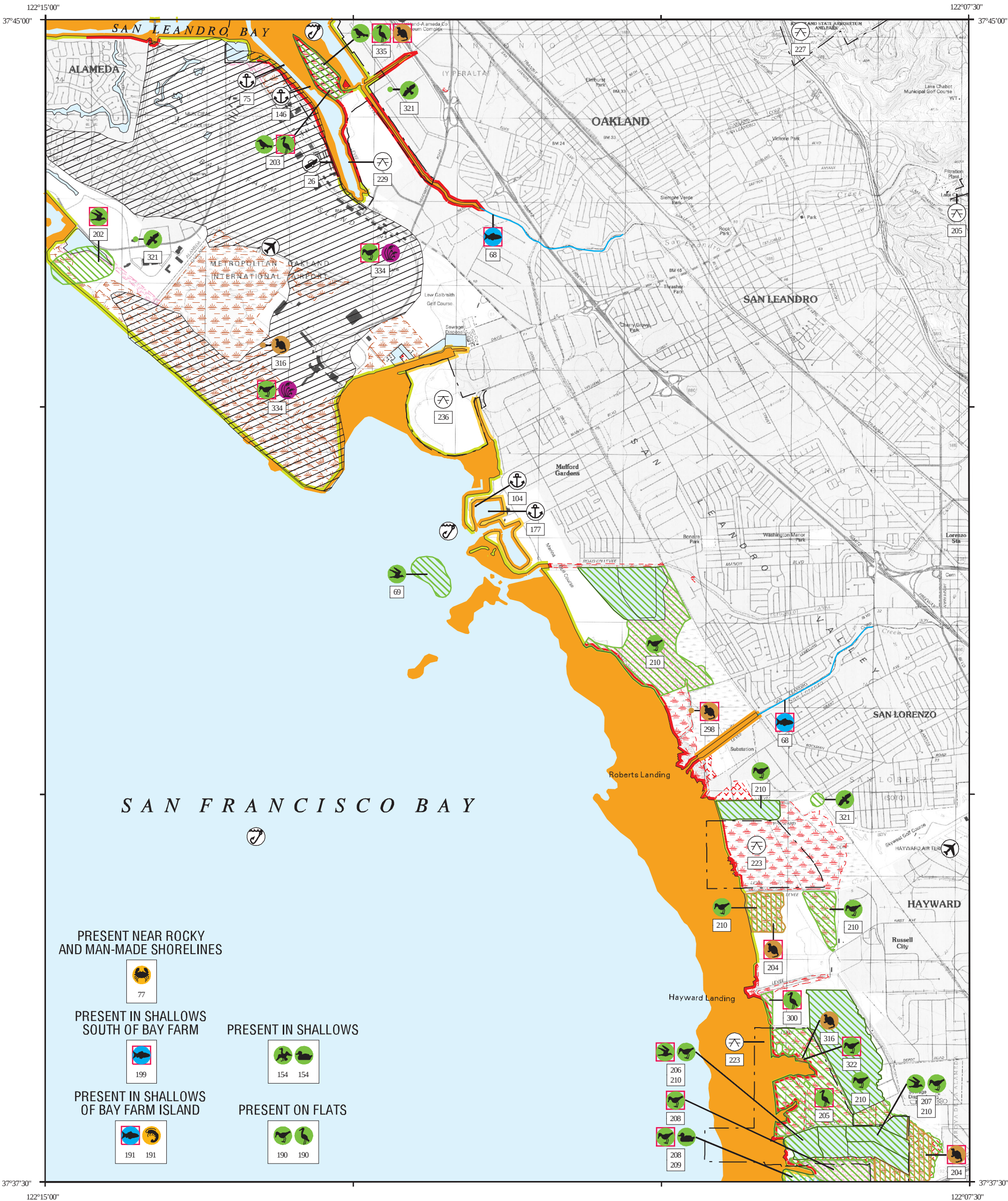
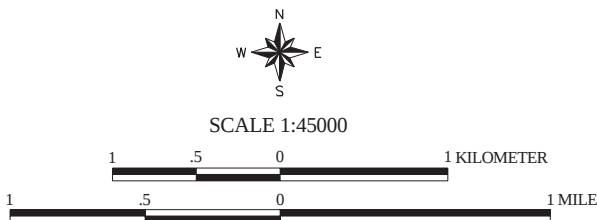


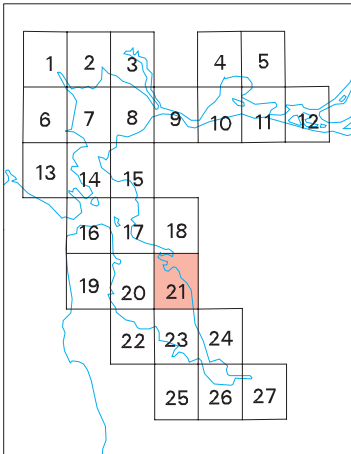
ENVIRONMENTAL SENSITIVITY INDEX MAP



- 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



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SAN FRANCISCO BAY – ESIMAP 21

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
69	Western gull			1	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
154	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	-	-	-	-
190	Shorebirds			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Wading birds			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
202	California least tern	S/F	E/E	POTENTIAL					X	X	X	X	X				MAY-AUG	MAY-JUN	JUN-JUL	JUN-AUG
203	Alameda song sparrow			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUN	-	-	-
	California clapper rail	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
205	California clapper rail	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
206	American avocet			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-JUN	MAY-JUL	JUL-SEP
	Black-necked stilt			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-JUN	MAY-JUL	JUL-SEP
	California least tern	S/F	E/E	PRESENT					X	X	X	X	X				-	-	-	-
207	American avocet			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-JUN	MAY-JUL	JUL-SEP
	Black skimmer			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Forster's tern			HIGH					X	X	X	X	X				APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
208	Western snowy plover	F	T	PRESENT			X	X	X	X	X	X	X				APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
209	Dabbling ducks			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
	Red-necked (Northern) phalarope			HIGH						X	X	X					-	-	-	-
	Ruddy duck			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
	Shorebirds			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
210	Shorebirds			MEDIUM	X	X	X	X	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	-	-	-
321	Burrowing owl			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
322	Western snowy plover	F	T	PRESENT			X	X	X	X	X	X	X				-	-	-	-
334	Western snowy plover	F	T	PRESENT			X	X	X	X	X	X	X				-	-	-	-
335	California black rail	S	T	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-
	Saltmarsh common yellowthroat			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
191	Bat ray			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	JAN-DEC	JAN-DEC
	Chinook salmon (fall)			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (late fall)			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (spring)			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (winter)	S/F	E/E	MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	English sole			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-APR	JAN-DEC	-
	Leopard shark			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	JAN-DEC	JAN-DEC
	Striped bass			HIGH						X	X	X					-	-	-	-	JUN-AUG
199	Bat ray			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	JAN-DEC	JAN-DEC
	Chinook salmon (fall)			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (late fall)			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (spring)			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (winter)	S/F	E/E	MEDIUM	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	JAN-DEC

HABITAT/PLANT:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
334	Alkali milk-vetch			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
191	Blacktail bay shrimp			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-SEP	MAR-OCT	JAN-NOV

TERRESTRIAL MAMMAL:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
204	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
316	Saltmarsh wandering shrew			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
335	Salt-marsh harvest mouse	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
	Saltmarsh wandering shrew			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X

HUMAN USE RESOURCES:

BOAT RAMP:

HUN#	Name
26	BOAT RAMP

MARINA:

HUN#	Name
75	ALAMEDA PARK PUBLIC RAMP
104	EAST BAY LAUNCHING FACILITY
146	OAKLAND AIRPORT BOAT RAMP
177	SAN LEANDRO MARINA

STATE/REGIONAL PARK:

HUN#	Name	Owner	Contact	Phone
205	ANTHONY CHABOT REGIONAL PARK	EBRP	DISPATCH	510-881-1833
223	HAYWARD REGIONAL SHORELINE	EBRP	DISPATCH	510-881-1833
227	KNOWLAND STATE ARBORETUM AND PARK			
229	MARTIN LUTHER KING, JR. REG. SHORELINE	EBRP	DISPATCH	510-881-1833
236	OYSTER BAY REGIONAL SHORELINE	EBRP	DISPATCH	510-881-1833