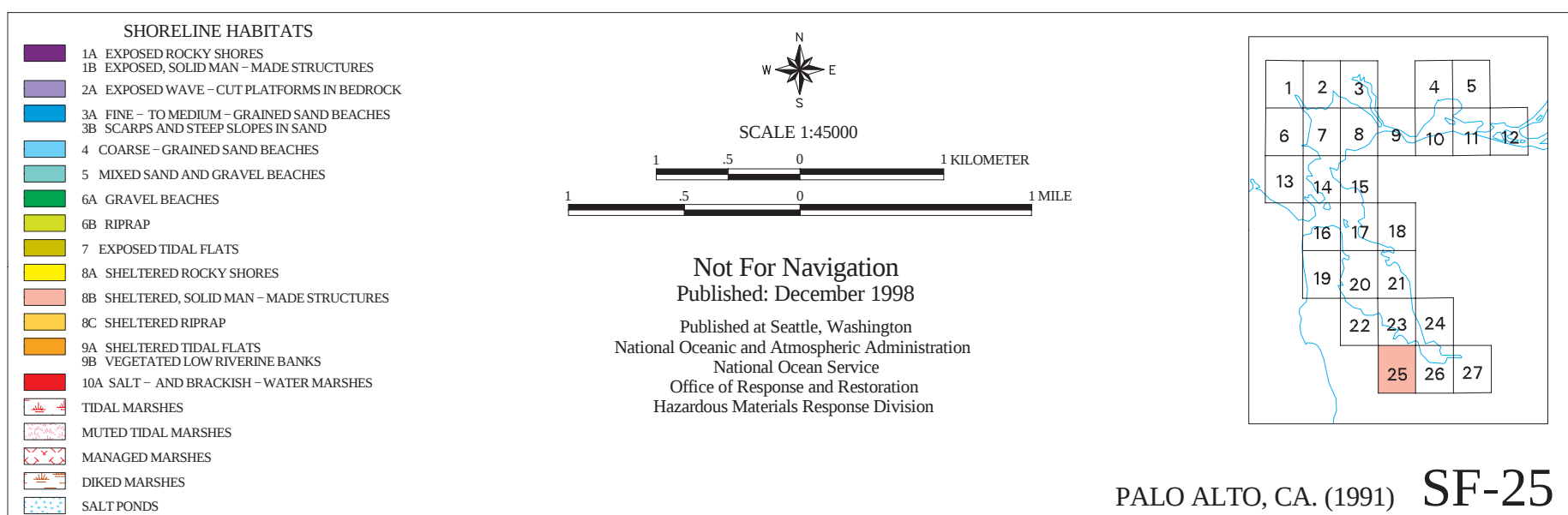
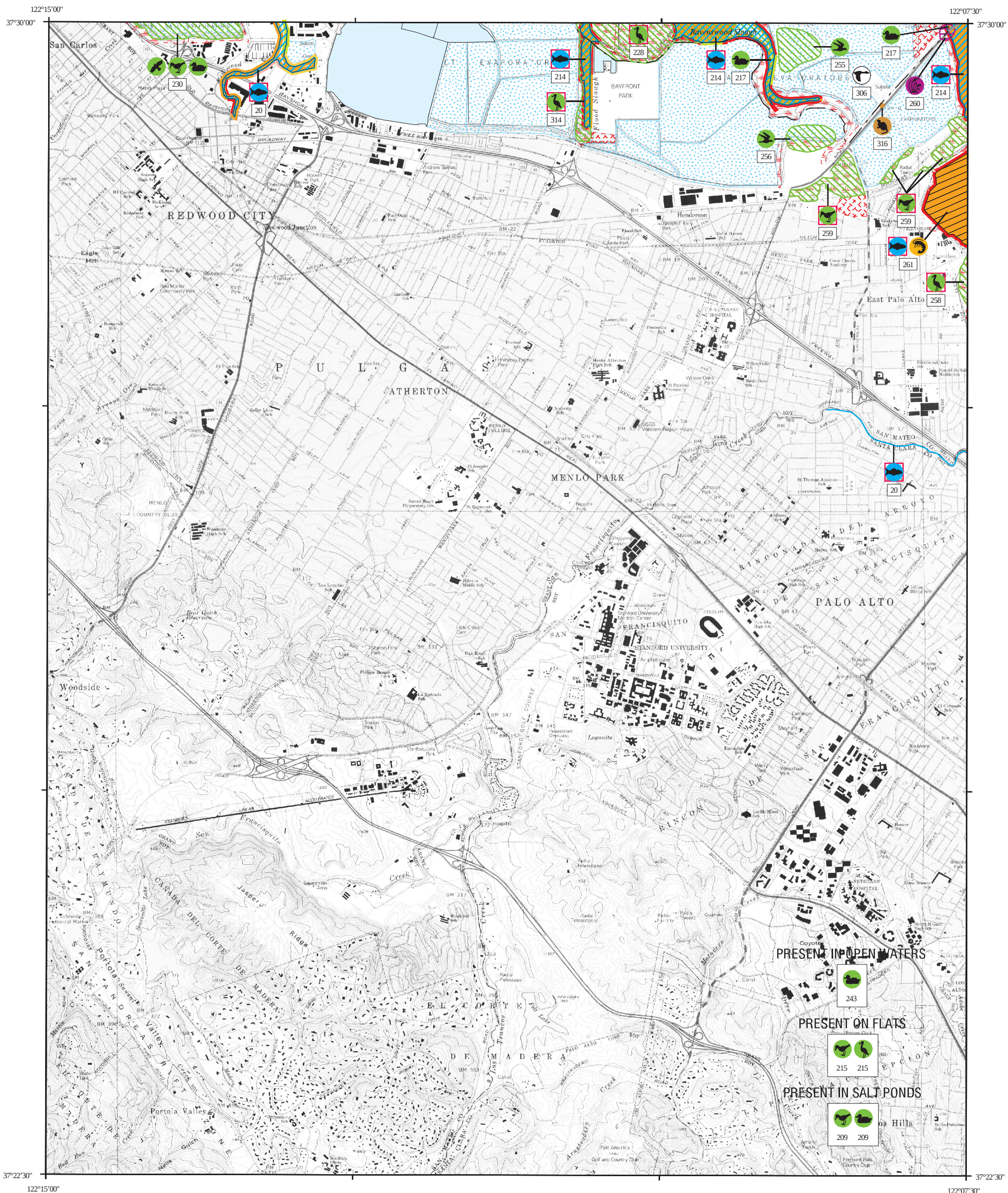


ENVIRONMENTAL SENSITIVITY INDEX MAP



SAN FRANCISCO BAY – ESIMAP 25

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
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	-	-	-	-
215	Shorebirds			VERY HIGH	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	-	-	-	-
217	Canvasback			MEDIUM	X	X	X	X					X	X	X		-	-	-	-
	Diving ducks			HIGH	X	X	X	X					X	X	X		-	-	-	-
	Ruddy duck			HIGH	X	X	X	X					X	X	X		-	-	-	-
228	California clapper rail	S/F	E/E	120	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
230	Black-necked stilt			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-JUN	MAY-JUL	JUL-SEP
	Burrowing owl			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Dabbling ducks			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
	Golden eagle			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Killdeer			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-	-
243	Canvasback			HIGH	X	X	X	X					X	X	X		-	-	-	-
	Diving ducks			HIGH	X	X	X	X					X	X	X		-	-	-	-
	Ruddy duck			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
255	Forster's tern			100			X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
256	Forster's tern			30			X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
258	California clapper rail	S/F	E/E	VERY HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
259	Black-necked stilt			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Red-necked (Northern) phalarope			HIGH						X	X	X					-	-	-	-
	Western snowy plover	F	T	HIGH		X	X	X	X	X	X	X	X				-	-	-	-
314	California clapper rail	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-

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
20	Rainbow trout (steelhead)	F	T	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	FEB-JUN	JUL-FEB
214	Bat ray			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	JAN-DEC	JAN-DEC
	California halibut			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-MAR	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
	Striped bass			HIGH			X	X	X								-	-	-	-	MAR-MAY
261	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	-
	Starry flounder			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-DEC	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
260	Nootka alkaligrass			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
261	California bay shrimp			HIGH	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
316	Saltmarsh wandering shrew			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X

HUMAN USE RESOURCES:

WILDLIFE REFUGE/MGMT AREA:

HUN#	Name	Owner	Contact	Phone
306	DON O. EDWARDS SAN FRANCISCO BAY NWR	USFWS	REFUGE MANAGER	510-792-0222