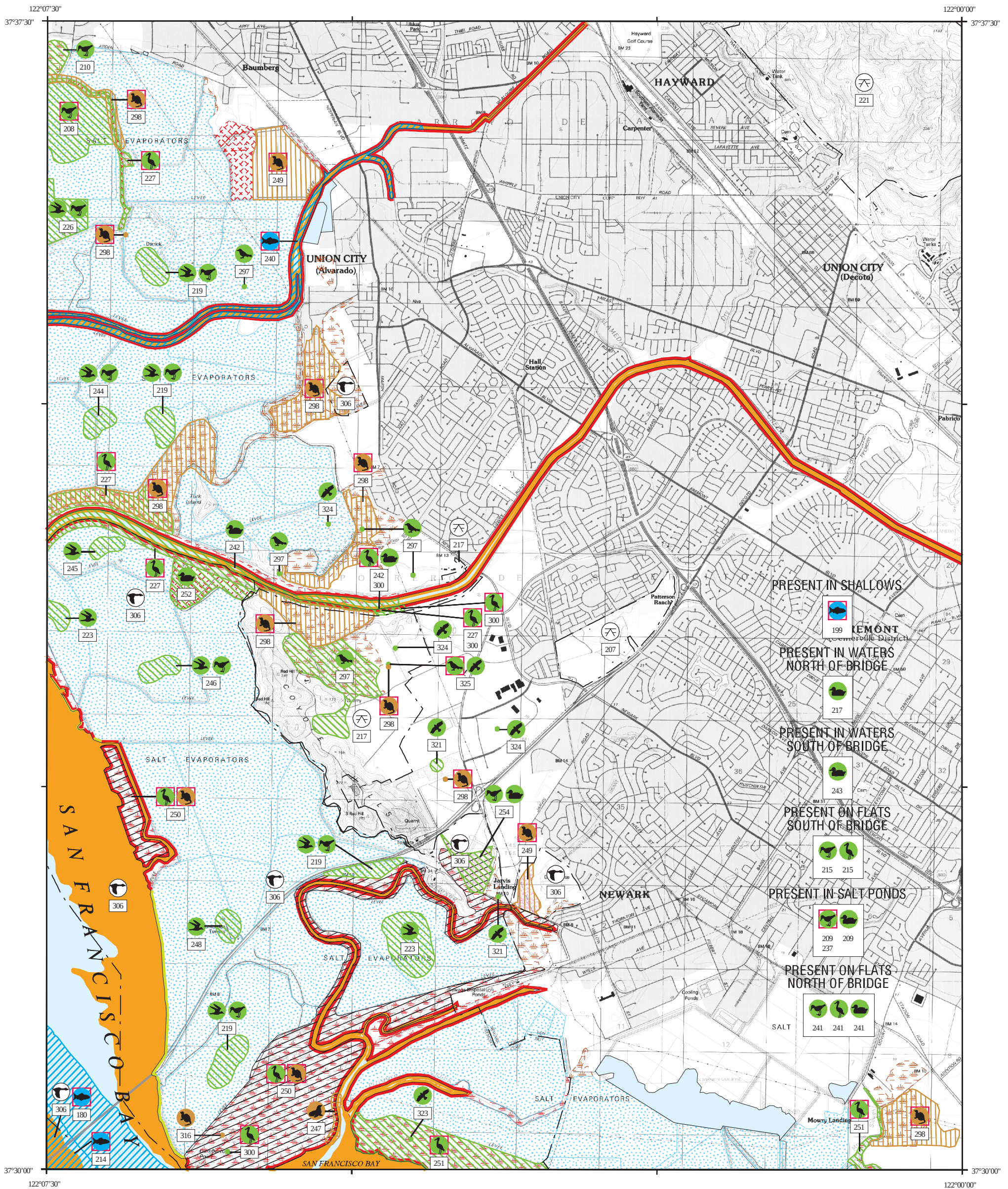
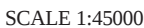


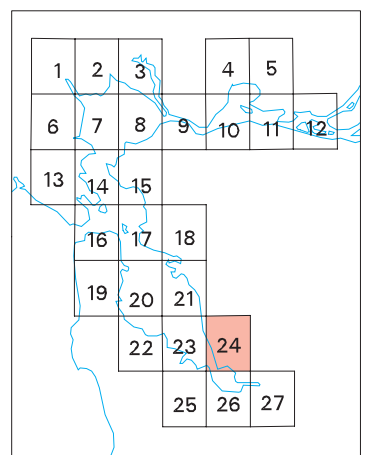
ENVIRONMENTAL SENSITIVITY INDEX MAP



- EXPOSED ROCKY SHORES
- EXPOSED, SOLID MAN - MADE STRUCTURES
- EXPOSED WAVE - CUT PLATFORMS IN BEDROCK
- FINE - TO MEDIUM - GRAINED SAND BEACHES
- FLAT CARPS AND STEEP SLOPES IN SAND
- FINE - GRAINED SAND BEACHES
- FLAT SAND AND GRAVEL BEACHES
- FLAT BEACHES
- FLAT RIPRAP
- FLAT TIDAL FLATS
- FLAT, SOLID MAN - MADE STRUCTURES
- FLAT RIPRAP
- FLAT TIDAL FLATS
- FLAT LOW RIVERINE BANKS
- FLAT - AND BRACKISH - WATER MARSHES
- FLAT MARSHES
- FLAT TIDAL MARSHES
- FLAT MARSHES
- FLAT MARSHES
- PONDS



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SAN FRANCISCO BAY – ESIMAP 24

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
208	Western snowy plover	F	T	PRESENT	-	X	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	-	-	-	-
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	X	-	-	-	-
219	American avocet			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-JUN	MAY-JUL	JUL-SEP
	Forster's tern					X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
223	Forster's tern			LOW		X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
226	American avocet			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-JUN	MAY-JUL	JUL-SEP
	Forster's tern			HIGH		X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
227	California clapper rail	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
237	Western snowy plover	F	T	PRESENT	X	X	X	X	X	X	X	X					APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
241	Northern pintail			HIGH	X	X	X					X	X	X	X	X	-	-	-	-
	Shorebirds			VERY HIGH	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	-	-	-	-
242	Canvasback			HIGH	X	X	X	X					X	X	X		-	-	-	-
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	-	-	-	-
244	American avocet			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-JUN	MAY-JUL	JUL-SEP
	Caspian tern			125		X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
	Forster's tern					X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
245	California gull			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
	Caspian tern			HIGH		X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
	Forster's tern			22		X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
246	American avocet			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-JUN	MAY-JUL	JUL-SEP
	Forster's tern			25		X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
248	Caspian tern					X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
	Forster's tern			277		X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
250	California clapper rail	S/F	E/E	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
251	California clapper rail	S/F	E/E	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
252	Waterfowl			HIGH	X	X	X					X	X	X	X		-	-	-	-
254	Dabbling ducks			HIGH	X	X	X	X				X	X	X	X		-	-	-	-
	Shorebirds			VERY HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
297	Saltmarsh common yellowthroat			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-
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	-	-	-	-
323	Northern harrier			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
324	White-tailed kite			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
325	Bank swallow	S	T	PRESENT		X	X	X	X	X	X	X					MAY-JUL	-	-	-
	Northern harrier			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Tricolored blackbird			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-

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
180	Bat ray			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	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	-	-	-	JAN-DEC	JAN-DEC
	White croaker			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	SEP-MAR	JAN-DEC	-
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
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
240	Rainbow trout (steelhead)	F	T	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	FEB-JUN	JUL-FEB
	Sacramento perch			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC

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
247	Harbor seal			60	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
249	Salt-marsh harvest mouse	S/F	E/E	VERY HIGH	X	X	X	X	X	X	X	X	X	X	X	X
250	Salt-marsh harvest mouse	S/F	E/E	VERY HIGH	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

HUMAN USE RESOURCES:

STATE/REGIONAL PARK:

HUN#	Name	Owner	Contact	Phone
207	ARDENWOOD HISTORIC FARM REGIONAL PRES.	EBRP	DISPATCH	510-881-1833
217	COYOTE HILLS REGIONAL PARK	EBRP	DISPATCH	510-881-1833
221	GARIN/DRY CREEK PIONEER REGIONAL PARKS	EBRP	DISPATCH	510-881-1833

WILDLIFE REFUGE/MGMT AREA:

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