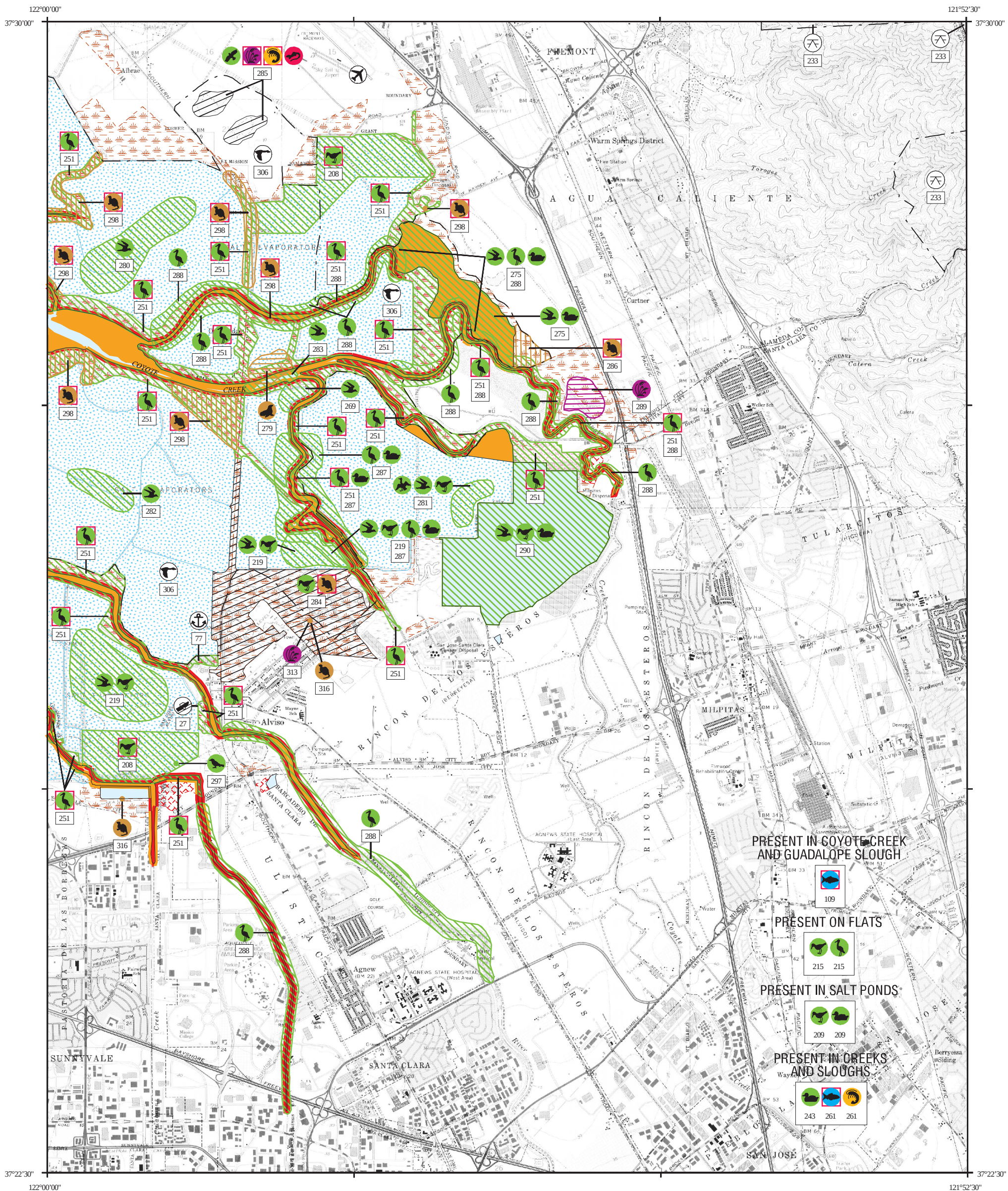
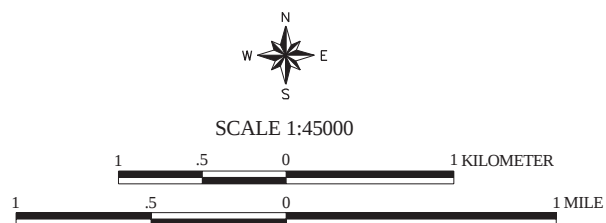


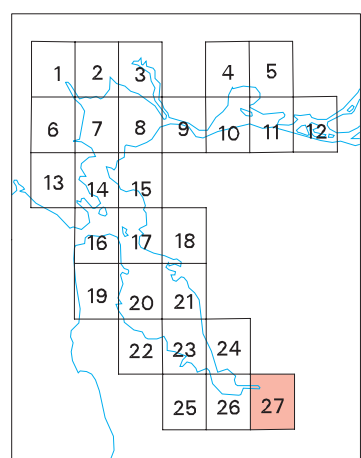
ENVIRONMENTAL SENSITIVITY INDEX MAP



- ## 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 27

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	-	-	-	-
215	Shorebirds			HIGH	X	X	X	X	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	-	-	-	-
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	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
243	Canvasback			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
	Diving ducks			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
	Ruddy duck			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
251	California clapper rail	S/F	E/E	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
269	Forster's tern				X	X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
275	Gulls			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Waterfowl			HIGH	X	X	X						X	X	X	X	-	-	-	-
280	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			317	X	X	X	X	X	X	X						APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
281	American avocet			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-JUN	MAY-JUL	JUL-SEP
	Double-crested cormorant			50	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-MAY	MAR-JUN	MAY-AUG
	Forster's tern				X	X	X	X	X	X							APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
282	California gull			217	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-JUN	MAY-JUL	JUL-AUG
283	Gulls			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
284	Black-necked stilt			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-JUN	MAY-JUL	JUL-SEP
285	Burrowing owl			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
287	American coot			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Black-crowned night-heron			200	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-	-
	Cattle egret			LOW	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-	-
	Common moorhen			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Great egret			100	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-	-
	Little blue heron			LOW	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-	-
	Snowy egret			200	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-	-
	Sora			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Virginia rail			HIGH	X	X							X	X			-	-	-	-
288	Sora			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Virginia rail			PRESENT	X	X							X	X			-	-	-	-
290	Gulls			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Shorebirds			HIGH	X	X	X	X		X	X	X	X	X	X	X	-	-	-	-
	Waterfowl			HIGH	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	-	-	-

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
109	Chinook salmon			LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Rainbow trout (steelhead)	F	T	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	FEB-JUN	JUL-FEB
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
285	Contra Costa goldfields	F	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
289	Mojave seablite			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
313	Point Reyes bird's-beak			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
285	Vernal pool tadpole shrimp	F	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-

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
279	Harbor seal			4	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JUN-AUG

REPTILE/AMPHIBIAN:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Internesting	Juveniles	Adults
285	California tiger salamander			PRESENT	X	X	X	X	X	X					X	X	DEC-FEB	-	-		DEC-JUN NOV-MAR

TERRESTRIAL MAMMAL:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
284	Salt-marsh harvest mouse	S/F	E/E	VERY HIGH	X	X	X	X	X	X	X	X	X	X	X	X
286	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:

BOAT RAMP:

HUN#	Name
27	BOAT RAMP

MARINA:

HUN#	Name
77	ALVISO MARINA

STATE/REGIONAL PARK:

HUN#	Name	Owner	Contact	Phone
233	MISSION PEAK REGIONAL PRESERVE	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