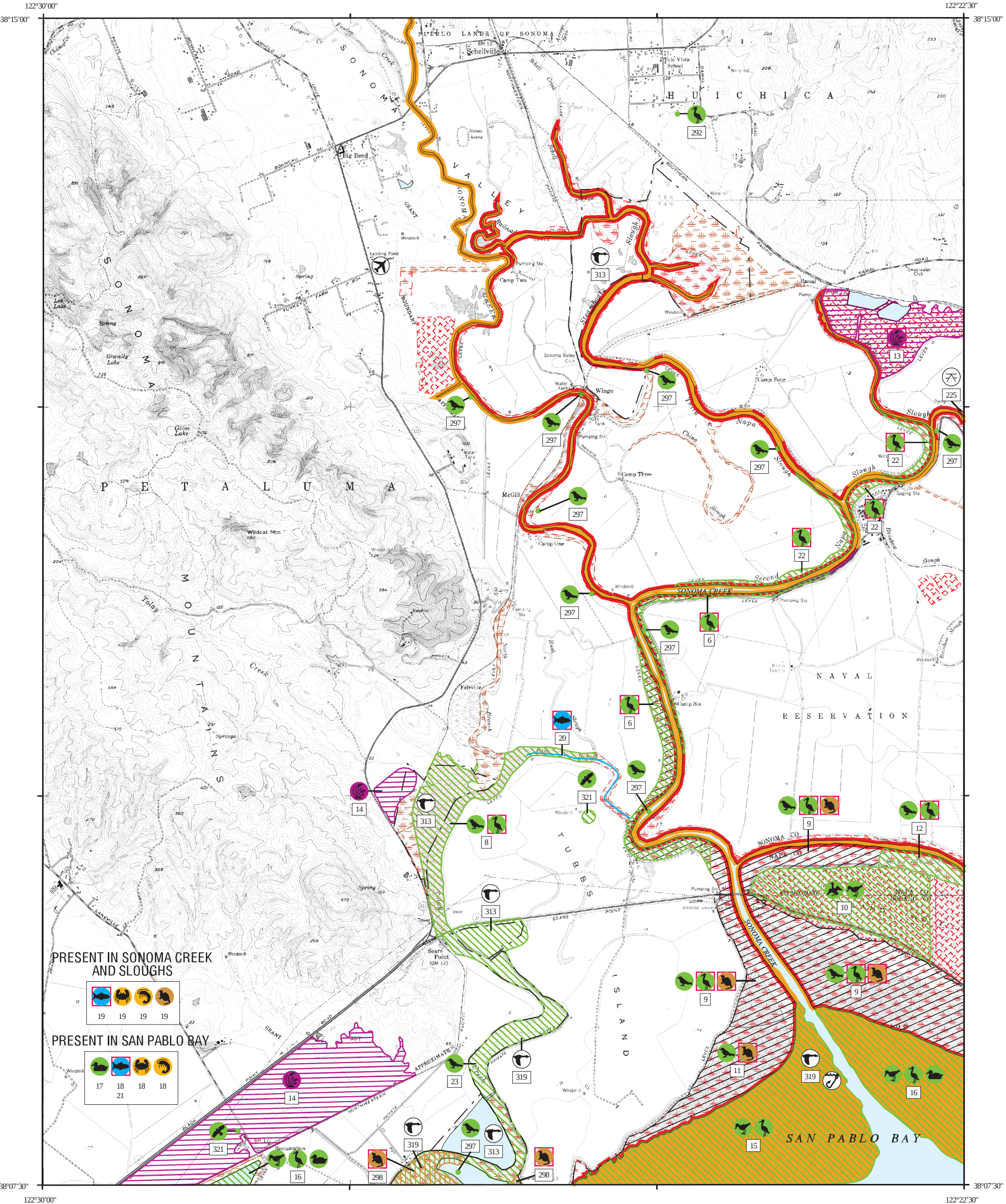
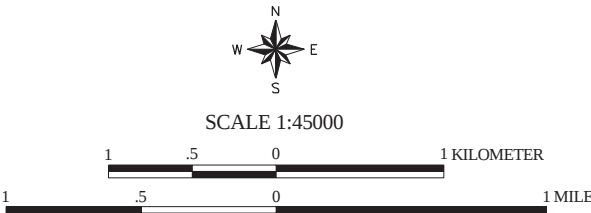


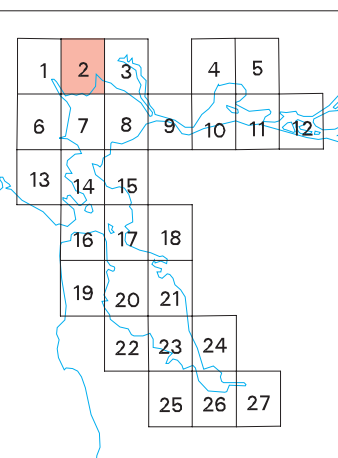
ENVIRONMENTAL SENSITIVITY INDEX MAP



- 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 2

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
6	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	-	-	-
8	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	-	-	-
	San Pablo song sparrow			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUN	-	-	-
9	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	-	-	-
	Saltmarsh common yellowthroat			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-
	San Pablo song sparrow			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUN	-	-	-
10	American white pelican			PRESENT				X	X	X	X	X	X				-	-	-	-
	Shorebirds			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
11	San Pablo song sparrow			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUN	-	-	-
12	California clapper rail	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
	Saltmarsh common yellowthroat			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-
15	Shorebirds			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	-	-	-	-
16	Dabbling ducks			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
	Shorebirds			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	-	-	-	-
17	Canvasback			MEDIUM	X	X	X	X					X	X	X	X	-	-	-	-
	Diving ducks			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
	Ruddy duck			MEDIUM	X	X	X	X					X	X	X	X	-	-	-	-
22	California clapper rail	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
23	San Pablo song sparrow			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUN	-	-	-
292	Great blue heron				X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	-	-	-
	Great egret				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-	-
297	Saltmarsh common yellowthroat			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	-	-	-	-

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
18	American shad			HIGH						X	X	X	X	X	X	X	-	-	-	AUG-DEC	MAY-JUL
	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	-
	Green sturgeon			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Striped bass			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	SEP-NOV
	White sturgeon			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
19	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
20	Rainbow trout (steelhead)	F	T	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	FEB-JUN	JUL-FEB
21	English sole			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-APR	JAN-DEC	-
	Starry flounder			HIGH	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
13	Soft bird's-beak	F	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
14	Vernal pool plants			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
18	Blacktail bay shrimp			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-SEP	MAR-OCT	JAN-NOV
	California bay shrimp			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-SEP	MAR-OCT	JAN-NOV
	Dungeness crab			HIGH				X	X	X	X	X	X	X	X	X	-	-	-	APR-DEC	-
19	California bay shrimp			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-SEP	MAR-OCT	JAN-NOV
	Dungeness crab			HIGH				X	X	X	X	X	X	X	X	X	-	-	-	APR-DEC	-

TERRESTRIAL MAMMAL:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
9	Salt-marsh harvest mouse	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
	Suisun ornate shrew			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
11	Salt-marsh harvest mouse	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X
19	Northern river otter			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

HUMAN USE RESOURCES:

STATE/REGIONAL PARK:

HUN#	Name	Owner	Contact	Phone
225	HUDEMAN SLOUGH STATE FISHING ACCESS			

WILDLIFE REFUGE/MGMT AREA:

HUN#	Name	Owner	Contact	Phone
313	NAPA-SONOMA MARSHES STATE WILDLIFE AREA	CDFG	REGIONAL OFFICE	707-944-5500
319	SAN PABLO BAY NATIONAL WILDLIFE REFUGE	USFWS	REFUGE MANAGER	510-792-0222