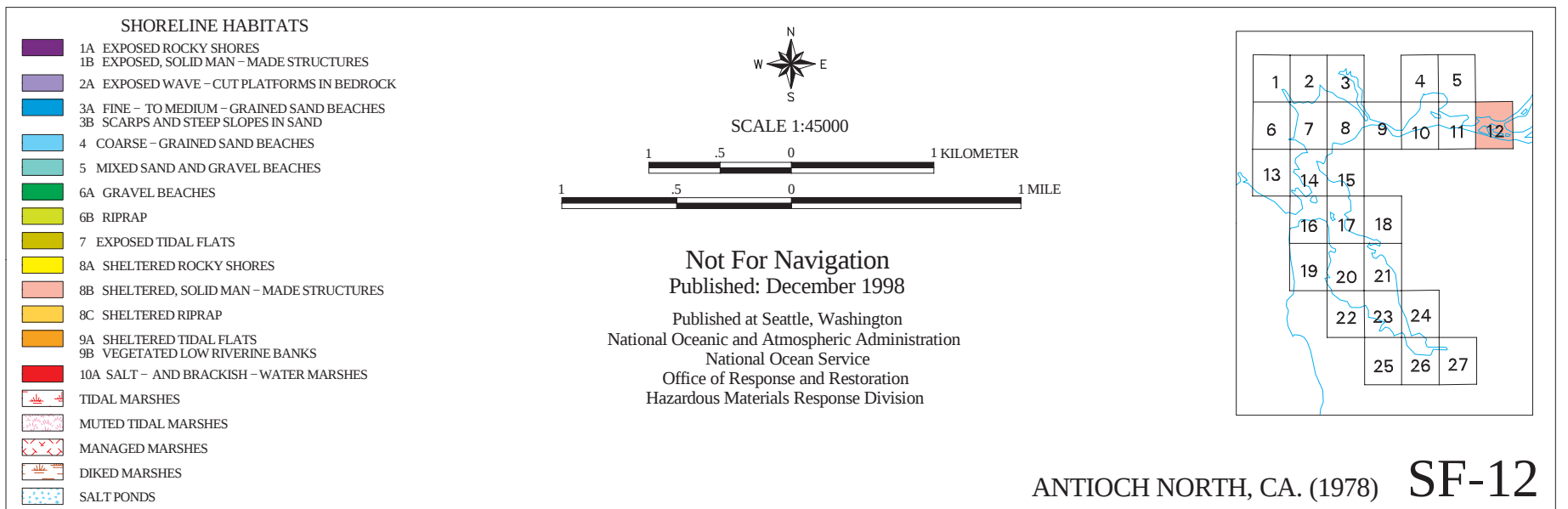
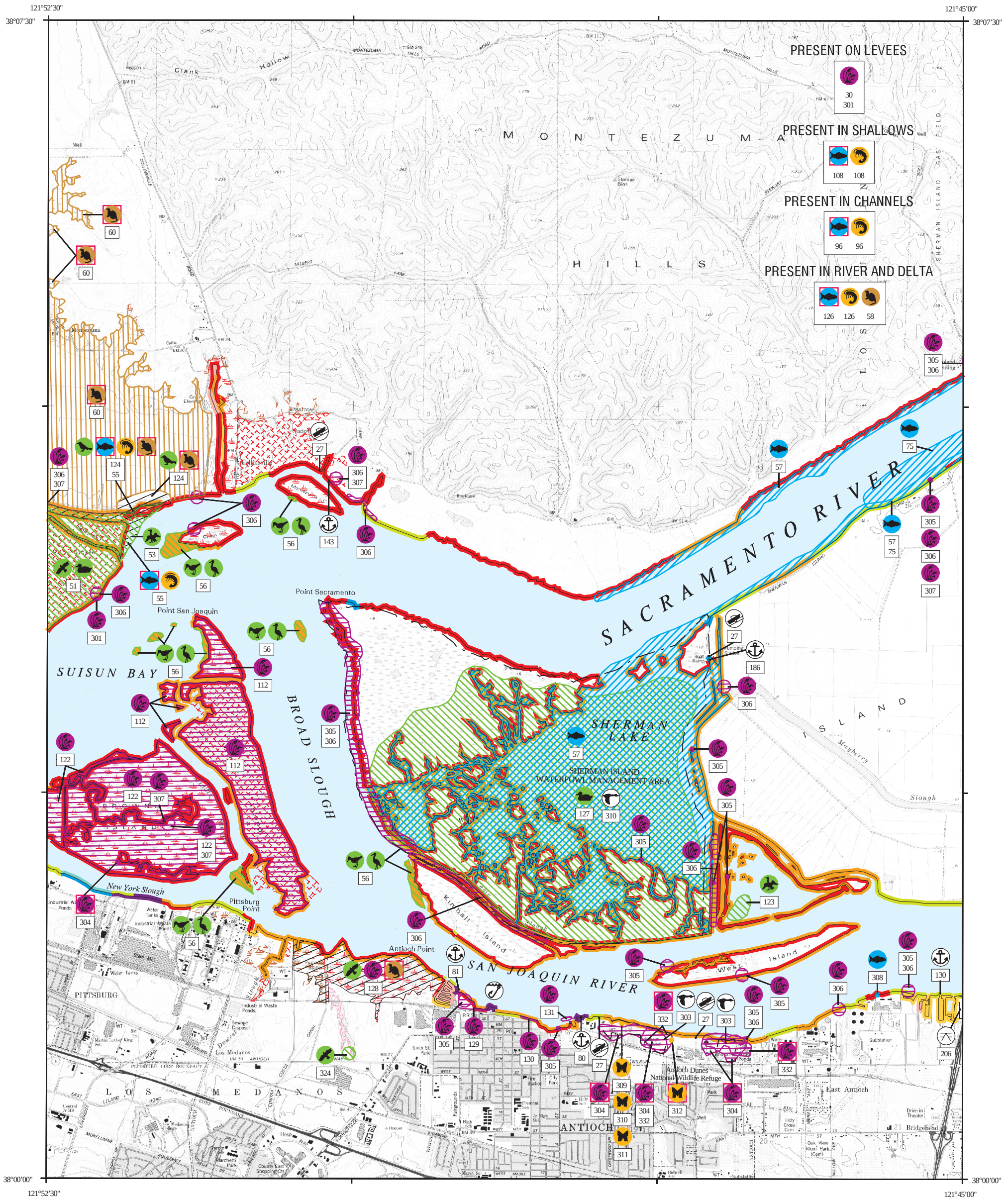


ENVIRONMENTAL SENSITIVITY INDEX MAP



BIOLOGICAL RESOURCES:

BIRD		COUNT												PERCENT						
RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
51	Canada goose			2000	X	X	X	X					X	X	X	X	-	-	-	-
	Canvasback			MEDIUM	X	X	X	X					X	X	X		-	-	-	-
	Dabbling ducks			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
	Greater white-fronted goose			1000	X	X	X	X					X	X	X	X	-	-	-	-
	Northern pintail			HIGH	X	X	X					X	X	X	X	X	-	-	-	-
	Ruddy duck			MEDIUM	X	X	X	X					X	X	X	X	-	-	-	-
	Short-eared owl			PRESENT			X	X	X	X	X	X	X	X	X		MAR-JUL	-	-	-
	Snow goose			200	X	X	X	X					X	X	X		-	-	-	-
	Tundra (whistling) swan			200	X	X	X						X	X	X		-	-	-	-
53	Clark's grebe			HIGH	X	X	X	X	X				X	X	X		-	-	-	-
	Western grebe			HIGH	X	X	X	X	X				X	X	X		-	-	-	-
56	Shorebirds			LOW	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	-	-	-	-
123	Double-crested cormorant			28	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-MAY	MAR-JUN	MAY-AUG
124	Saltmarsh common yellowthroat			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-
127	Waterfowl			HIGH	X	X	X						X	X	X	X	-	-	-	-
128	White-tailed kite			LOW	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	-	-	-	-

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
55	Delta smelt	S/F	T/T	LOW	X	X	X	X	X	X	X	X	-	-	-	-	JAN-JUN	JAN-JUN	JAN-JUL	APR-SEP	JAN-JUL
	Striped bass			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-MAY	APR-JUN	JAN-DEC	-
	White sturgeon			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	JAN-DEC
57	Sacramento splittail			HIGH						X	X	X	X	X	X	-	-	-	JUN-NOV	JUN-NOV	JUN-NOV
75	Starry flounder			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-DEC	JAN-DEC	JAN-DEC	JAN-DEC
96	American shad			HIGH						X	X	X	X	X	X	-	-	-	AUG-DEC	MAY-JUL	MAY-JUL
	Chinook salmon (fall)			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JUL-NOV	JUL-NOV
	Chinook salmon (late fall)			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	OCT-MAR	OCT-MAR
	Chinook salmon (spring)			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	FEB-AUG	FEB-AUG
	Chinook salmon (winter)	S/F	E/E	HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	NOV-MAY	NOV-MAY
	Delta smelt	S/F	T/T	LOW	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	APR-AUG	JAN-DEC	JAN-DEC
	Green sturgeon			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	JAN-DEC
	Longfin smelt			HIGH	X	X	X	X								-	JAN-MAR	JAN-APR	APR-APR	-	-
	Striped bass			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	APR-MAY	APR-JUN	JAN-DEC	SEP-MAY	SEP-MAY
	White croaker			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	SEP-MAR	JAN-DEC	JAN-DEC	-
	White sturgeon			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	JAN-DEC
108	American shad			HIGH						X	X	X	X	X	X	-	-	-	AUG-DEC	MAY-JUL	MAY-JUL
	Chinook salmon (fall)			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JUL-NOV	JUL-NOV
	Chinook salmon (late fall)			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	OCT-MAR	OCT-MAR
	Chinook salmon (spring)			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	FEB-AUG	FEB-AUG
	Chinook salmon (winter)	S/F	E/E	HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	NOV-MAY	NOV-MAY
	Delta smelt	S/F	T/T	LOW	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	APR-AUG	JAN-DEC	JAN-DEC
	Green sturgeon			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	JAN-DEC
	Longfin smelt			HIGH	X	X	X	X								-	JAN-MAR	JAN-APR	APR-APR	-	-
	Striped bass			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	APR-MAY	APR-JUN	JAN-DEC	SEP-MAY	SEP-MAY
	White croaker			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	SEP-MAR	JAN-DEC	JAN-DEC	-
	White sturgeon			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	JAN-DEC
126	American shad			HIGH						X	X	X	X	X	X	-	-	-	AUG-DEC	MAY-JUL	MAY-JUL
	Chinook salmon (fall)			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JUL-NOV	JUL-NOV
	Chinook salmon (late fall)			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	OCT-MAR	OCT-MAR
	Chinook salmon (spring)			HIGH	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	FEB-AUG	FEB-AUG
	Chinook salmon (winter																				

[illegible]

INVERTED RATE		S/F T/E Concen													Spawning		Eggs	Larvae	Juveniles	Adults	
RAR#	Species																				
55	California bay shrimp																-	-	MAR-SEP	MAR-OCT	JAN-NOV
96	California bay shrimp																JAN-MAR	JAN-SEP	MAR-SEP	-	JAN-NOV
108	California bay shrimp																-	-	MAR-SEP	MAR-OCT	JAN-NOV
126	California bay shrimp																-	-	MAR-SEP	MAR-OCT	JAN-NOV
309	Middlekauf's shieldback katydid																-	-	-	-	-
310	Antioch efferian robberfly																-	-	-	-	-
311	Antioch andrenid bee																-	-	-	-	-
312	Lange's metalmark butterfly	F	E														-	-	-	-	-

[illegible]

HUN#	Name
27	BOAT RAMP

HUN#	Name
80	ANTIOCH BOAT RAMP
81	ANTIOCH MARINA
130	MARINA
143	MONTEZUMA BOAT RAMP
186	SHERMAN ISLAND BOAT RAMP

HUN#	Name	Owner	Contact	Phone
206	ANTIOCH REGIONAL SHORELINE	EBRP	DISPATCH	510-881-1833

HUN#	Name	Owner	Contact	Phone
303	ANTIOCH DUNES NATIONAL WILDLIFE REFUGE	USFWS	REFUGE MANAGER	510-792-0222