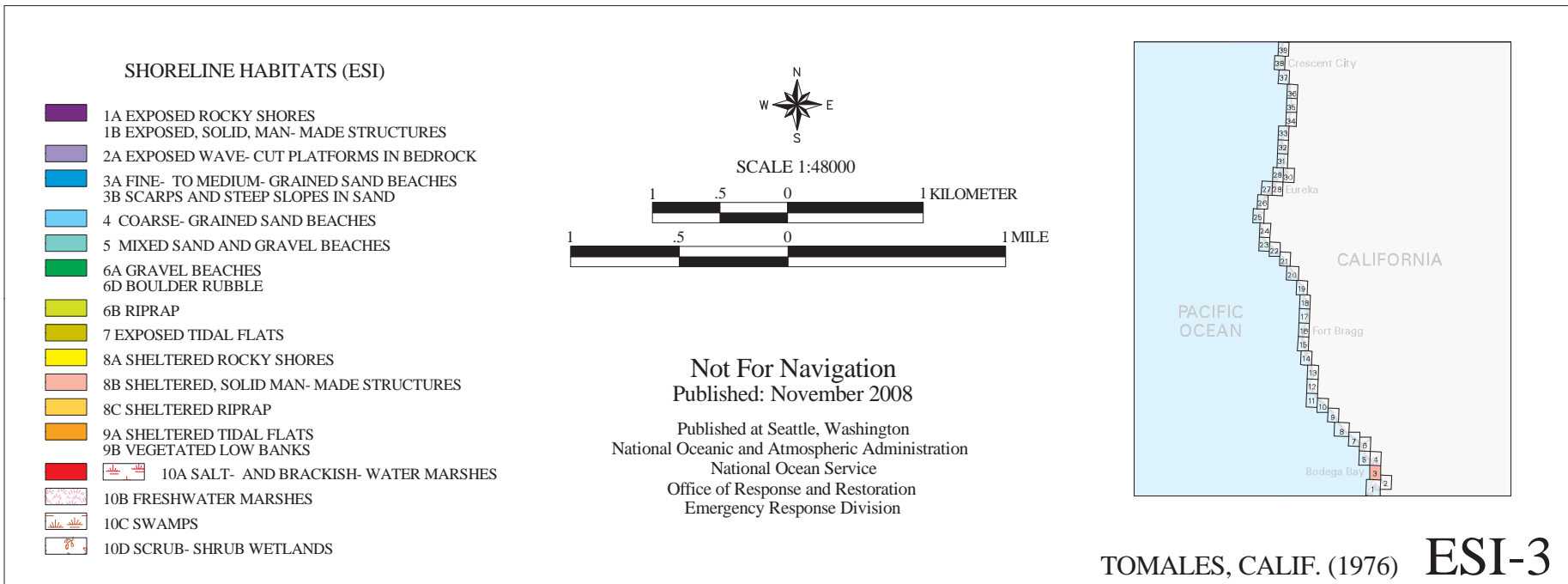
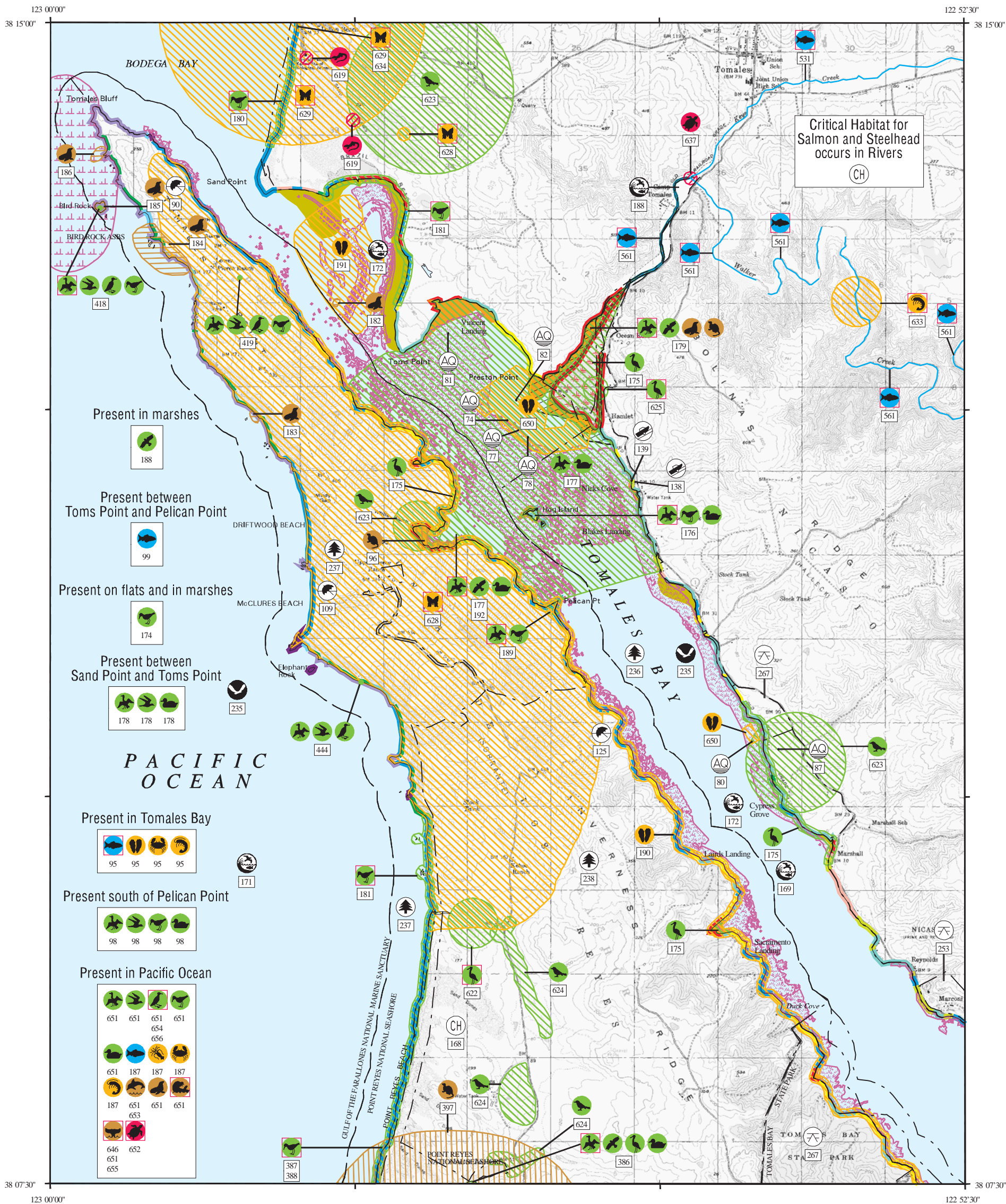


ENVIRONMENTAL SENSITIVITY INDEX MAP



Northern California: ESIMAP 3

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
			-	-	-	-	-	-	-	-	-	-	-	-			
98	American coot		X	X	X	X	X			X	X	X	X		-	-	-
	American wigeon		X	X	X	X				X	X	X			-	-	-
	Black scoter		X	X	X	X					X	X			-	-	-
	Brandt's cormorant				X	X	X	X	X	X	X	X	X		-	-	-
	Brant		X	X	X	X				X	X	X			-	-	-
	Bufflehead	HIGH	X	X	X	X				X	X				-	-	-
	Clark's grebe		X	X	X	X				X	X	X			-	-	-
	Common goldeneye		X	X	X	X				X	X	X			-	-	-
	Common loon		X	X	X	X	X			X	X	X	X		-	-	-
	Double-crested cormorant	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Eared grebe	HIGH	X	X	X	X				X	X	X	X		-	-	-
	Forster's tern			X	X	X	X	X	X	X	X				-	-	-
	Greater scaup	VERY HIGH	X	X	X	X				X	X	X			-	-	-
	Horned grebe	HIGH	X	X	X	X				X	X	X			-	-	-
	Pacific loon				X	X	X			X	X				-	-	-
	Red phalarope				X	X	X	X	X	X	X	X			-	-	-
	Red-breasted merganser		X	X	X	X	X			X	X				-	-	-
	Red-throated loon		X	X	X	X	X			X	X				-	-	-
	Ruddy duck		X	X	X	X				X	X	X			-	-	-
	Surf scoter	VERY HIGH	X	X	X	X				X	X	X	X		-	-	-
	Western grebe	HIGH	X	X	X	X	X			X	X	X	X		-	-	-
	White-winged scoter		X	X	X	X				X	X	X			-	-	-
174	Shorebirds	1000S		X	X			X	X	X	X				-	MAR-APR JUL-OCT	-
175	Black-crowned night-heron		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Great blue heron		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Great egret		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Green heron		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Snowy egret		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
176	Brant	HIGH	X	X	X	X				X	X	X			-	-	-
	Brown pelican	E E 20-50 BIRDS			X	X	X	X	X	X	X	X			-	-	-
	Double-crested cormorant		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-
	Shorebirds		X	X	X	X		X	X	X	X	X	X		-	MAR-APR JUL-OCT	-
177	American coot	HIGH	X	X	X	X	X			X	X	X	X		-	-	-
	American wigeon	HIGH	X	X	X	X				X	X	X			-	-	-
	Brandt's cormorant				X	X	X	X	X	X	X				-	-	-
	Brant	VERY HIGH	X	X	X	X				X	X	X			-	-	-
	Bufflehead	VERY HIGH	X	X	X	X				X	X				-	-	-
	Canvasback		X	X	X					X	X				-	-	-
	Common goldeneye		X	X	X	X				X	X	X			-	-	-
	Common loon		X	X	X	X	X			X	X	X	X		-	-	-
	Double-crested cormorant	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Eared grebe	HIGH	X	X	X	X				X	X	X	X		-	-	-
	Greater scaup	HIGH	X	X	X	X				X	X	X			-	-	-
	Horned grebe	HIGH	X	X	X	X				X	X	X			-	-	-
	Northern pintail		X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Red-breasted merganser		X	X	X	X	X			X	X				-	-	-
	Red-necked grebe	HIGH	X	X	X	X	X			X	X	X	X		-	-	-
	Red-throated loon		X	X	X	X	X			X	X				-	-	-
	Ruddy duck	HIGH	X	X	X	X				X	X	X			-	-	-
	Surf scoter	VERY HIGH	X	X	X	X				X	X	X	X		-	-	-
	Western grebe		X	X	X	X	X			X	X	X	X		-	-	-
	White-winged scoter		X	X	X	X				X	X	X			-	-	-
178	American coot	HIGH	X	X	X	X	X			X	X	X	X		-	-	-
	American wigeon		X	X	X	X				X	X	X			-	-	-
	Brandt's cormorant				X	X	X	X	X	X	X				-	-	-
	Brant	HIGH	X	X	X	X				X	X	X			-	-	-
	Bufflehead	VERY HIGH	X	X	X	X				X	X				-	-	-
	Common goldeneye		X	X	X	X				X	X	X			-	-	-
	Common loon		X	X	X	X	X			X	X	X	X		-	-	-
	Double-crested cormorant		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Eared grebe		X	X	X	X				X	X	X	X		-	-	-
	Forster's tern			X	X	X	X	X	X	X	X				-	-	-
	Greater scaup		X	X	X	X				X	X	X			-	-	-
	Green-winged teal		X	X	X	X				X	X	X	X		-	-	-
	Horned grebe	HIGH	X	X	X	X				X	X	X			-	-	-
	Northern pintail		X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Northern shoveler		X	X	X	X				X	X	X	X		-	-	-
	Pelagic cormorant		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Red-breasted merganser		X	X	X	X	X			X	X				-	-	-
	Red-necked grebe		X	X	X	X	X	X	X	X	X	X			-	-	-
	Red-throated loon		X	X	X	X	X			X	X				-	-	-
	Ruddy duck		X	X	X	X				X	X	X			-	-	-
	Surf scoter	VERY HIGH	X	X	X	X				X	X	X	X		-	-	-
	White-winged scoter		X	X	X	X				X	X	X			-	-	-
179	Brown pelican	E E			X	X	X	X	X	X	X	X	X		-	-	-
	Merlin		X	X	X	X	X			X	X	X	X		-	-	-
180	Western snowy plover	T 75-123 BIRDS	X	X	X	X		X	X	X	X	X	X	X	-	-	-
181	Western snowy plover	T 7-64 BIRDS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
188	Merlin		X	X	X	X	X	X		X	X	X	X		MAR-JUN	-	-
	Northern harrier		X	X	X	X	X			X	X	X	X		-	-	-
189	Brown pelican	E E 50 BIRDS	X	X			X	X	X	X	X	X	X		-	-	-
	Shorebirds		X	X	X	X		X	X	X	X	X	X		-	MAR-APR JUL-OCT	-
192	American white pelican		X	X						X	X	X	X	X	-	-	-
	Brown pelican	E E			X	X	X	X	X	X	X	X	X		-	-	-
	Osprey		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
386	American bittern		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
	American white pelican		X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Brown pelican	E E	X	X	X	X	X	X	X	X	X	X	X		-	JUL-NOV	-
	Dabbling ducks		X	X	X	X	X			X	X	X	X		-	SEP-MAR	-
	Diving ducks		X	X	X	X	X			X	X	X	X		-	SEP-MAY	-
	Geese		X	X	X	X	X	X	X	X	X	X	X		-	OCT-MAR	-
	Raptors		X	X	X	X	X	X	X	X	X	X	X	X	-	AUG-NOV	-
387	Western snowy plover	T	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
388	Shorebirds		X	X	X	X	X	X	X	X	X	X	X		-	-	-
418	Ashy storm-petrel	74 INDIV.			X	X	X	X	X	X	X	X			MAY-NOV	-	-
	Black oystercatcher	6 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	-	-
	Brandt's cormorant	275 NESTS			X	X	X	X	X	X	X				MAR-AUG	-	-
	Brown pelican	E E 143 INDIV.			X	X	X	X	X	X	X	X			-	-	-
	Pelagic cormorant	37 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Pigeon guillemot	115 INDIV.			X	X	X	X	X	X					MAY-AUG	-	-
	Rhinoceros auklet	3 INDIV.			X	X	X	X	X	X					APR-AUG	-	-
	Western gull	168 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
419	Black oystercatcher	3 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	-	-
	Pelagic cormorant	141 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Pigeon guillemot	110 INDIV.			X	X	X	X	X	X					MAY-AUG	-	-
	Western gull	6 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

Northern California: ESIMAP 3 (cont.)

BIOLOGICAL RESOURCES: (cont.)

BIRD: (cont.)

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
444	Pelagic cormorant	16 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Pigeon guillemot	28 INDIV.				X	X	X	X	X	X	X			MAY-AUG	-	-
	Western gull	8 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
622	California black rail	T	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
623	Tricolored blackbird		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-
624	Saltmarsh common yellowthroat					X	X	X	X	X	X	X	X	X	MAR-JUN	-	-
625	California clapper rail	E E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
651	Cassin's auklet	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Clark's grebe	MODERATE	X	X	X	X				X	X	X	X		-	MAR-APR SEP-NOV	-
	Common murre	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUL-SEP
	Cormorants	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Eared grebe	LOW	X	X	X	X				X	X	X	X		-	MAR-APR SEP-OCT	-
	Gulls	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Horned grebe	LOW	X	X	X	X				X	X	X	X		-	OCT-APR	-
	Pacific loon	MODERATE	X	X	X	X				X	X	X			-	OCT-MAY	-
	Pelicans	MODERATE			X	X	X	X	X	X	X	X	X	X	-	JUL-NOV	-
	Phalaropes	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Pigeon guillemot	LOW		X	X	X	X	X	X	X					-	-	-
	Rhinoceros auklet	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Shearwaters	LOW-HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Surf scoter	MODERATE	X	X	X	X				X	X	X	X		-	MAR-APR SEP-DEC	-
	Western grebe	MODERATE	X	X	X	X				X	X	X	X		-	MAR-APR SEP-NOV	-
	White-winged scoter	MODERATE	X	X	X	X				X	X	X			-	MAR-APR OCT-NOV	-
654	Marbled murrelet	E T MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
656	Sooty shearwater	MODERATE		X	X	X	X	X	X	X	X	X	X		-	-	APR-OCT

FISH:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
95	Arrow goby		X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	California halibut		X	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-APR	JAN-DEC	-
	Coho salmon	E E	X	X	X	X	X			X	X	X			-	-	-	MAR-JUN	OCT-MAR
	English sole		X	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAY	JAN-DEC	-
	Green sturgeon	T	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Jacksmelt		X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	JAN-AUG	JAN-DEC	JAN-DEC	JAN-DEC
	Leopard shark		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	JAN-DEC	OCT-JUN
	Lingcod		X	X	X	X	X	X	X						-	-	FEB-MAR	APR-AUG	-
	Northern anchovy		X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-DEC	JAN-DEC	JAN-DEC
	Pacific staghorn sculpin		X	X	X	X	X	X	X	X	X	X	X	X	OCT-MAR	OCT-APR	OCT-APR	JAN-DEC	JAN-DEC
	Pile surfperch		X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Redtail surfperch		X	X	X	X	X	X	X	X	X	X	X	X	FEB-NOV	-	-	JAN-DEC	FEB-NOV
	Rockfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Shiner surfperch				X	X	X	X	X	X	X				APR-NOV	-	-	APR-NOV	APR-NOV
	Silver surfperch		X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	-	JUN-AUG	JAN-DEC	JAN-DEC
	Starry flounder		X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-NOV	JAN-DEC	JAN-DEC
	Steelhead	T	X	X	X	X	X	X	X	X	X				-	-	-	MAY-AUG	OCT-MAR
	Striped bass				X	X	X	X							-	-	-	-	MAY-SEP
	Surf smelt		X	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-APR	JAN-DEC	JAN-DEC
	Threespine stickleback		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	MAR-JUN	MAR-AUG	JUN-MAR	JAN-DEC
	Topsmelt		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	MAY-AUG	JAN-DEC	JAN-DEC
	Walleye surfperch		X	X	X	X	X	X	X	X	X	X	X	X	NOV-DEC	-	-	APR-FEB	JAN-DEC
	White seaperch		X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-	JAN-DEC	JAN-DEC
	White sturgeon		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
99	Pacific herring		X	X	X	X	X	X	X		X	X			NOV-MAR	NOV-MAR	NOV-MAR	MAR-AUG	NOV-MAR
187	Bat ray			X	X	X	X	X	X	X	X				-	-	-	MAR-NOV	MAR-NOV
	Black rockfish		X	X	X	X	X	X	X	X	X	X	X	X	SEP-NOV	-	JAN-MAY	JAN-DEC	JAN-DEC
	Black-and-yellow rockfish		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	MAR-MAY	JAN-DEC	JAN-DEC
	Blue rockfish		X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	-	JAN-DEC	JAN-DEC
	Bocaccio		X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	JAN-MAY	FEB-MAY	JAN-DEC	JAN-DEC
	Brown rockfish		X	X	X	X	X	X	X	X	X	X	X	X	DEC-JUL	-	-	JAN-DEC	JAN-DEC
	Brown smoothhound		X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-	JAN-DEC	JAN-DEC
	Cabazon		X	X	X	X	X	X	X	X	X	X	X	X	OCT-MAR	OCT-APR	OCT-APR	JAN-DEC	JAN-DEC
	California halibut		X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUN	JAN-SEP	JAN-SEP	JAN-DEC	FEB-OCT
	California skate		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Canary rockfish (orange)		X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	DEC-APR	JAN-DEC	JAN-DEC
	Chilipepper		X	X	X	X	X	X	X	X	X	X	X	X	NOV-JUN	NOV-JUN	JAN-JUN	JAN-DEC	JAN-DEC
	China rockfish		X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	-	JAN-DEC	JAN-DEC
	Chinook salmon		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Coho salmon		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Copper rockfish		X	X	X	X	X	X	X	X	X	X	X	X	FEB-APR	FEB-APR	FEB-APR	JAN-DEC	JAN-DEC
	English sole		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Grass rockfish		X	X	X	X	X	X	X	X	X	X	X	X	DEC-FEB	DEC-MAR	JAN-JUN	JAN-DEC	JAN-DEC
	Gray smoothhound				X	X	X	X							-	-	-	-	JUN-SEP
	Green sturgeon		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Jacksmelt		X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	JAN-AUG	JAN-DEC	JAN-DEC	JAN-DEC
	Kelp greenling		X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	-	-	JAN-DEC	JAN-DEC
	Leopard shark		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	JAN-DEC	OCT-JUN
	Lingcod		X	X	X	X	X	X	X	X	X	X	X	X	NOV-APR	DEC-FEB	FEB-APR	JAN-DEC	JAN-DEC
	Longnose skate		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Monkeyface prickpleback		X	X	X	X	X	X	X	X	X	X	X	X	JAN-APR	-	-	JAN-DEC	JAN-DEC
	Northern anchovy				X	X	X	X	X	X					-	-	JUN-SEP	JUN-NOV	JUN-OCT
	Pacific herring		X	X	X	X	X	X	X		X				NOV-MAR	NOV-MAR	NOV-MAR	MAR-AUG	NOV-MAR
	Pacific sanddab		X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	-	-	JAN-DEC	JAN-DEC
	Pacific sardine				X	X	X								-	-	-	-	JUN-AUG
	Quillback rockfish		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	JAN-DEC	JAN-DEC
	Rock greenling		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Sand sole		X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	-	JAN-DEC	JAN-DEC
	Sandpaper skate		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Sevengill shark			X	X	X	X	X	X	X	X				-	-	-	-	MAR-NOV
	Sixgill shark		X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	-	-	JAN-DEC	JAN-DEC
	Speckled sanddab		X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	-	AUG-DEC	JAN-DEC	JAN-DEC
	Spiny dogfish		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-	JAN-DEC	JAN-DEC
	Starry flounder		X	X	X	X	X	X	X	X	X	X	X	X	NOV-FEB	-	-	JAN-DEC	JAN-DEC
	Steelhead		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Striped surfperch		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUN	-	-	JAN-DEC	JAN-DEC
	Topsmelt		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	MAY-AUG	JAN-DEC	JAN-DEC
	Vermilion rockfish		X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	-	-	JAN-DEC	JAN-DEC
	Yellowtail rockfish		X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	JAN-JUL	JAN-JUL	JAN-DEC	JAN-DEC
531	Steelhead	T	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
561	Coho salmon	E E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Steelhead	T	X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-APR	JAN-MAY	JAN-DEC	DEC-MAR

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

Northern California: ESIMAP 3 (cont.)

BIOLOGICAL RESOURCES: (cont.)

INVERTEBRATE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
95	Bay mussel		X X X X X X X X X X X	MAR-AUG	MAR-AUG	APR-SEP	JAN-DEC	JAN-DEC
	California bay shrimp		X X X X X X X X X X X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	California butterclam		X X X X X X X X X X X	MAR-NOV	-	-	-	JAN-DEC
	Dungeness crab		X X X X X X X X X X X	-	-	APR-JUN	JAN-DEC	JAN-DEC
187	California market squid		X X X X X X X X X X X	APR-NOV	APR-NOV	APR-JAN	JAN-DEC	JAN-DEC
	Dungeness crab		X X X X X X X X X X X	MAR-JUN	-	MAR-SEP	JUN-SEP	JAN-DEC
	Ocean pink shrimp		X X X X X X X X X X X	SEP-OCT	OCT-APR	MAR-JUL	JAN-DEC	JAN-DEC
	Spot prawn		X X X X X X X X X X X	SEP-APR	SEP-APR	SEP-APR	JAN-DEC	JAN-DEC
190	California native oyster		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
191	California jackknife clam		X X X X X X X X X X X	MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Pacific gaper		X X X X X X X X X X X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Pacific littleneck		X X X X X X X X X X X	APR-OCT	APR-NOV	APR-OCT	JAN-DEC	JAN-DEC
	Softshell clam		X X X X X X X X X X X	APR-OCT	APR-OCT	APR-OCT	JAN-DEC	JAN-DEC
	Washington butterclam		X X X X X X X X X X X	MAR-NOV	-	-	-	JAN-DEC
628	Myrtle's silverspot	E	X X X X X X X X X X	AUG-SEP	AUG-NOV	MAR-MAY	-	AUG-SEP
629	San Bruno elfin butterfly	E	X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
633	California freshwater shrimp	E E	X X X X X X X X X X X	MAR-MAY	-	-	JAN-DEC	JAN-DEC
634	Globose dune beetle		X X X X X X X X X X X	-	-	-	-	JAN-DEC
650	Manila clam		X X X X X X X X X X X	APR-OCT	APR-NOV	APR-OCT	JAN-DEC	JAN-DEC
	Mediterranean mussel		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Pacific oyster	HIGH	X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC

MARINE MAMMAL:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Mating	Calving	Pupping	Molting
179	Harbor seal		X X X X X X X X X X X	-	-	-	-
182	Harbor seal	297-492 INDIV.	X X X X X X X X X X X	-	-	-	-
183	Harbor seal	103 INDIV.	X X X X X X X X X X X	-	-	-	-
184	Harbor seal	168 INDIV.	X X X X X X X X X X X	-	-	-	-
185	Harbor seal	408-481 INDIV.	X X X X X X X X X X X	-	-	-	-
186	Harbor seal	14 INDIV.	X X X X X X X X X X X	-	-	-	-
646	Gray whale		X X X X X X X X	-	DEC-FEB	-	-
651	Bottlenose dolphin	LOW	X X X X X X X X X X X	-	-	-	-
	Dall's porpoise	LOW	X X X X X X X X X X X	-	-	-	-
	Fin whale	E LOW	X X X X X X X X X X X	-	-	-	-
	Killer whale	LOW	X X X X X X X X X X X	-	-	-	-
	Long-beaked saddleback dolphin	LOW	X X X X X X X X X X X	-	-	-	-
	Minke whale	MODERATE	X X X X X X X X X X X	-	MAR-MAY	-	-
	North Pacific right whale	E LOW	X X X	-	-	-	-
	Pacific white-sided dolphin	LOW	X X X X X X X X X X X	-	-	-	-
	Risso's dolphin	LOW	X X X X X X X X X X X	-	-	-	-
	Sea lions	LOW-MODERATE	X X X X X X X X X X X	-	-	-	-
	Sea otter	T LOW	X X X X X X X X X X X	-	-	-	-
	Seals	LOW-MODERATE	X X X X X X X X X X X	-	-	-	-
	Short-beaked saddleback dolphin	LOW	X X X X X X X X X X X	-	-	-	-
	Short-finned pilot whale	LOW	X X X X X X X X X X X	-	-	-	-
653	Harbor porpoise	MODERATE	X X X X X X X X X X X	JUL-SEP	JUN-AUG	-	-
655	Blue whale	E LOW	X X X X X X	-	-	-	-
	Humpback whale	E MODERATE	X X X X X X X X X	-	-	-	-

REPTILE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Hatching	Internesting	Juveniles	Adults
619	California red-legged frog		X X X X X X X X X X X	NOV-APR	-	-	JAN-DEC	JAN-DEC
637	Northwestern pond turtle		X X X X X X X X X X X	APR-JUN	-	-	JAN-DEC	JAN-DEC
652	Leatherback sea turtle	E HIGH	X X X X X X X X	-	-	-	-	MAY-NOV

TERRESTRIAL MAMMAL:

RAR#	Species	S F Conc.	J F M A M J J A S O N D
96	Northern river otter		X X X X X X X X X X X
179	Northern river otter		X X X X X X X X X X X
397	Point Reyes jumping mouse		X X X X X X X X X X X

HUMAN USE RESOURCES:

AQUACULTURE:

HUN#	Name	Contact	Phone
74	M-430-02 AQUACULTURE LEASE	CDFG, T. MOORE	707/688-3192
77	M-430-11 AQUACULTURE LEASE	CDFG, T. MOORE	707/688-3192
78	M-430-12 AQUACULTURE LEASE	CDFG, T. MOORE	707/688-3192
80	M-430-14 AQUACULTURE LEASE	CDFG, T. MOORE	707/688-3192
81	M-430-15 AQUACULTURE LEASE	CDFG, T. MOORE	707/688-3192
82	M-430-17 AQUACULTURE LEASE	CDFG, T. MOORE	707/688-3192
87	TOMALES BAY AQUACULTURE AND MARICULTURE	CDFG	

BEACH:

HUN#	Name	Contact	Phone
90	AVALIS BEACH	CDFG	
109	MCCLURES BEACH	CDFG	916/445-9338
125	TOMALES BEACH	CDFG	

BOAT RAMP:

HUN#	Name	Contact	Phone
138	MILLER COUNTY PARK	CDFG	
139	MILLER PARK BOAT RAMP	MARIN COUNTY	

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
168	WESTERN SNOWY PLOVER CRITICAL HABITAT	USFWS	707/822-7201

ESSENTIAL HABITAT:

HUN#	Name	Contact	Phone
169	ESSENTIAL FISH HABITAT HAPC - ESTUARIES	PACIFIC STATES MARINE FISHERIES COMMISSION	
171	ESSENTIAL FISH HABITAT HAPC - ROCKY REEF	PACIFIC STATES MARINE FISHERIES COMMISSION	
172	ESSENTIAL FISH HABITAT HAPC - SEAGRASS	PACIFIC STATES MARINE FISHERIES COMMISSION	

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
188	KEYS CREEK FA	CDFG	

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Northern California: ESIMAP 3 (cont.)

HUMAN USE RESOURCES: (cont.)

MARINE SANCTUARY:

HUN#	Name	Contact	Phone
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235	GULF OF THE FARALLONES NMS	NOAA	415/561-6622

NATIONAL PARK:

HUN#	Name	Contact	Phone
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236	GOLDEN GATE NATIONAL RECREATION AREA	NATIONAL PARK SERVICE	415/561-4700
237	PHILIP BURTON WILDERNESS	NATIONAL PARK SERVICE	415/464-5100
238	POINT REYES NATIONAL SEASHORE	NATIONAL PARK SERVICE	415/464-5100

PARK:

HUN#	Name	Contact	Phone
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253	MARCONI CONFERENCE CENTER SHP	CDPR	415/663-9020
267	TOMALES BAY SP	CDPR	415/669-1140