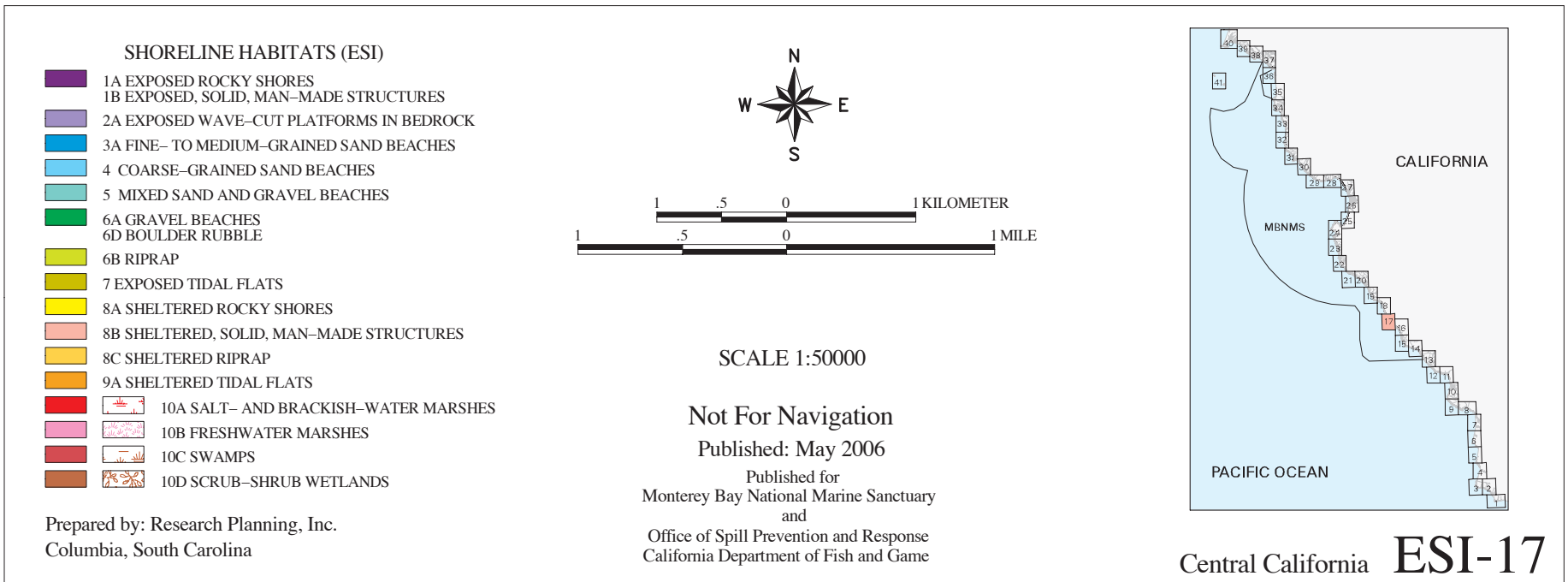
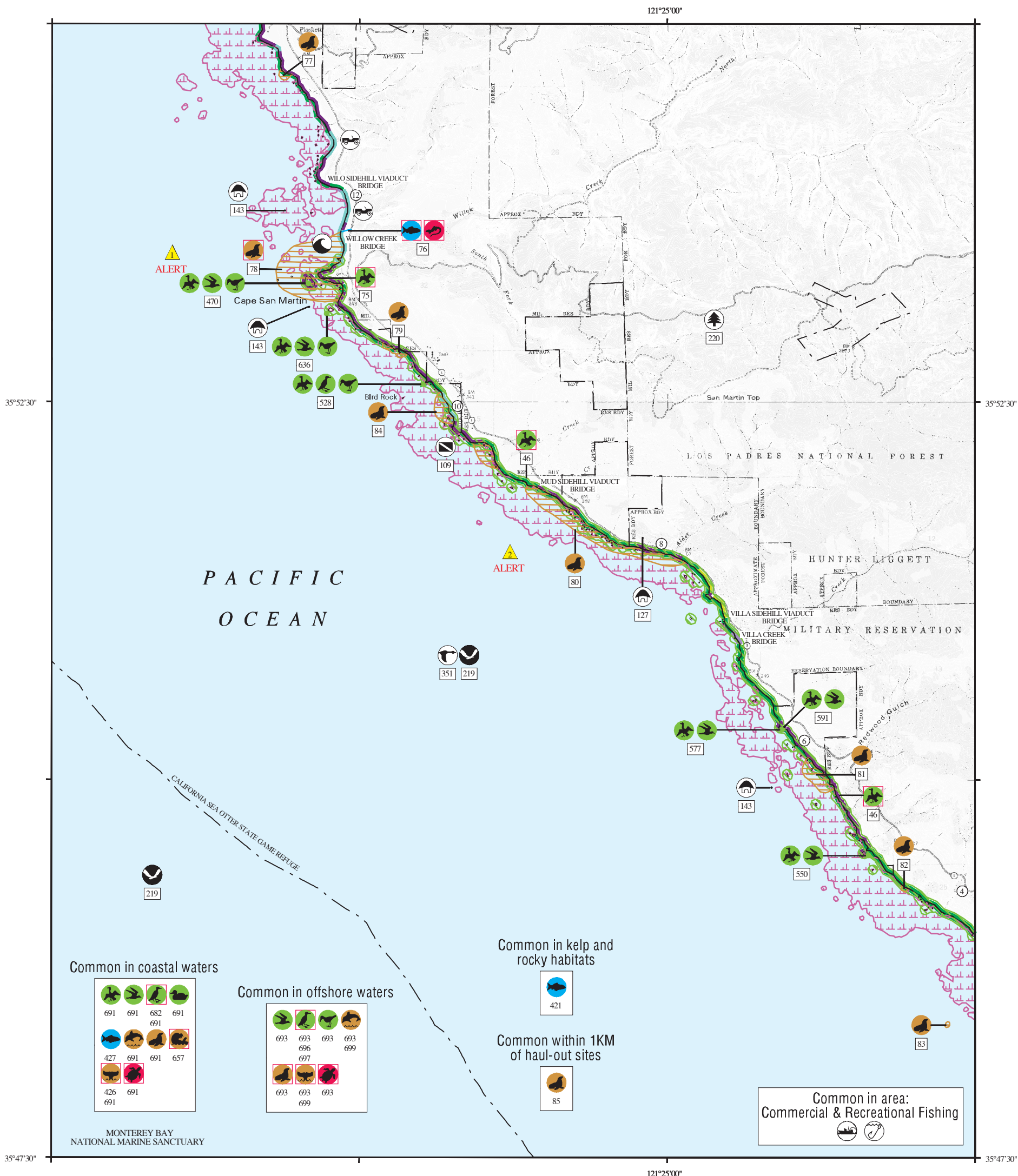


ENVIRONMENTAL SENSITIVITY INDEX MAP



Central California: ESIMAP 17

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
46	Brown pelican	E E 24-185 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	JUL-NOV	-
75	Brown pelican	E E 50-787 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	JUL-NOV	-
470	Black oystercatcher	4 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Brandt's cormorant	750 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Double-crested cormorant	2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Pelagic cormorant	18 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull	349 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
528	Black oystercatcher	2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Pelagic cormorant	26 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Pigeon guillemot	5 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
550	Pelagic cormorant	9 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull	6 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
577	Pelagic cormorant	2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull	2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
591	Brandt's cormorant	372 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Western gull	2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
636	Black oystercatcher	2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Brandt's cormorant	275 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Western gull	4 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
682	Sooty shearwater	MODERATE		X	X	X	X	X	X	X	X	X	X	X	-	-	APR-OCT
691	Black-footed albatross	LOW	X	X	X	X	X	X	X	X				X	-	-	-
	Clark's grebe	LOW	X	X	X	X				X	X	X	X		-	MAR-APR SEP-NOV	-
	Common murre	LOW	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	LOW	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	-
	Loons	LOW	X	X	X	X				X	X	X			-	OCT-MAY	-
	Marbled murrelet	E T LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Pacific loon	LOW	X	X	X	X				X	X	X			-	OCT-MAY	-
	Pelicans	LOW		X	X	X	X	X	X	X	X	X	X	X	-	JUL-NOV	-
	Pigeon guillemot	LOW		X	X	X	X	X	X	X					-	-	-
	Rhinoceros auklet	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Seabirds	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Shearwaters	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Surf scoter	LOW	X	X	X	X				X	X	X	X		-	MAR-APR SEP-DEC	-
	Western grebe	LOW	X	X	X	X				X	X	X	X		-	MAR-APR SEP-NOV	-
	White-winged scoter	LOW	X	X	X	X				X	X	X			-	MAR-APR OCT-NOV	-
693	Black-footed albatross	MODERATE	X	X	X	X	X	X	X					X	-	-	-
	Common murre	LOW-MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUL-SEP
	Gulls	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Phalaropes	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Rhinoceros auklet	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Shearwaters	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Sooty shearwater	LOW		X	X	X	X	X	X	X	X	X			-	-	APR-OCT
	Xantus' murrelet	T MODERATE							X	X	X	X			-	-	-
696	Ashy storm-petrel	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Storm-petrels	MODERATE		X	X	X	X	X	X	X	X	X	X		-	-	-
697	Cassin's auklet	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-

FISH:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
76	Steelhead	T	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JUN-OCT	OCT-JUN
421	Black rockfish		X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	-	-	APR-JUL	JAN-DEC
	Black-and-yellow rockfish		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	MAY-JUL	JAN-DEC
	Blue rockfish		X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	-	APR-JUL	JAN-DEC
	Bocaccio		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Canary rockfish (orange)		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	China rockfish		X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	-	MAY-JUL	JAN-DEC
	Copper rockfish		X	X	X	X	X	X	X	X	X	X	X	X	FEB-APR	-	-	APR-JUL	JAN-DEC
	Gopher rockfish		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	MAY-JUL	JAN-DEC
	Grass rockfish		X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAR	-	-	MAY-JUL	JAN-DEC
	Kelp rockfish		X	X	X	X	X	X	X	X	X	X	X	X	FEB-APR	-	-	APR-AUG	JAN-DEC
	Olive rockfish		X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAR	-	-	APR-JUL	JAN-DEC
	Vermilion rockfish		X	X	X	X	X	X	X	X	X	X	X	X	SEP-NOV	-	-	FEB-JUL	JAN-DEC
	Widow rockfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Yellowtail rockfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
427	California halibut		X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUN	-	FEB-SEP	JAN-DEC	FEB-NOV
	Salmon			X	X	X	X	X	X						-	-	-	-	APR-SEP

MARINE MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
77	Harbor seal	13 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
78	California sea lion	143-233 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Steller sea lion	T 1 INDIV.				X	X	X	X						-	-	MAY-AUG	-
79	Harbor seal	10-31 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
80	Harbor seal	9-33 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
81	California sea lion	2-164 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Harbor seal	14 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
82	Harbor seal	1 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
83	California sea lion	18-61 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
84	Northern elephant seal		X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	DEC-MAR	APR-JUL
85	Pinnipeds	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
426	Gray whale		X	X	X	X								X	-	DEC-FEB	-	-
657	Sea otter	T 329 INDEP / 50 PUPS	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-MAR SEP-NOV	-
691	Blue whale	E LOW						X	X	X	X	X	X	X	-	-	-	-
	Bottlenose dolphin	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Dall's porpoise	MODERATE	X	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	X	-	-	-	-
	Harbor porpoise	LOW	X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	JUN-AUG	-	-
	Humpback whale	E MODERATE		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	X	-	-	-	-
	Long-beaked common dolphin	LOW	X	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	X	-	MAR-MAY	-	-
	Northern right whale	E LOW		X	X	X									-	-	-	-
	Northern right-whale dolphin	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Pacific white-sided dolphin	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Risso's dolphin	MODERATE	X	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	X	-	-	-	-
	Seals	LOW-MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Short-beaked common dolphin	LOW	X	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	X	-	-	-	-

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.

Central California: ESIMAP 17 (cont.)

BIOLOGICAL RESOURCES: (cont.)

MARINE MAMMAL: (cont.)

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Mating	Calving	Pupping	Molting
693	Baird's beaked whale	LOW	X X X X X X	-	-	-	-
	California sea lion	LOW	X X X X X X X X X X X	-	-	-	-
	Cuvier's beaked whale	LOW	X X X X X X X X X X X	-	-	-	-
	Dwarf sperm whale	LOW	X X X X X X X X X X X	-	-	-	-
	Fin whale	E MODERATE	X X X X X X X X X X X	-	-	-	-
	Guadalupe fur seal	T T LOW	X X X X X X X X X X X	-	-	-	-
	Harbor seal	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 common dolphin	LOW	X X X X X X X X X X X	-	-	-	-
	Mesoplodont beaked whales	LOW	X X X X X X X X X X X	-	-	-	-
	Minke whale	LOW	X X X X X X X X X X X	-	MAR-MAY	-	-
	Northern elephant seal	MODERATE	X X X X X X X X X X X	-	-	-	-
	Northern fur seal	MODERATE	X X X X X X X X X X X	-	-	-	-
	Northern right whale	E LOW	X X X	-	-	-	-
	Northern right-whale dolphin	MODERATE	X X X X X X X X X X X	-	-	-	-
	Pacific white-sided dolphin	MODERATE	X X X X X X X X X X X	-	-	-	-
	Pygmy sperm whale	LOW	X X X X X X X X X X X	-	-	-	-
	Risso's dolphin	MODERATE	X X X X X X X X X X X	-	-	-	-
	Sei whale	E LOW	X X X X X X X X X X X	-	SEP-MAR	-	-
	Short-beaked common dolphin	MODERATE	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	-	-	-	-
	Sperm whale	E LOW	X X X X X X X X X X X	MAR-JUN	JUN-OCT	-	-
	Steller sea lion	T LOW	X X X X X X X X X X X	-	-	-	-
699	Blue whale	E MODERATE	X X X X X X	-	-	-	-
	Dall's porpoise	LOW	X X X X X X X X X X X	-	-	-	-
	Dolphins	LOW-MODERATE	X X X X X 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	Interesting	Juveniles	Adults
76	California red-legged frog	T	X X X X X	-	-	-	JUN-OCT	-
691	Leatherback sea turtle	E LOW	X X X X X X	-	-	-	-	MAY-NOV
693	Leatherback sea turtle	E LOW	X X X X X X X	-	-	-	-	MAY-NOV

HUMAN USE RESOURCES:

ALERT:

ID#	Description
1	Seabird colony, February-August.
2	Keep out of kelp when transiting. Note potential presence of sea otters if operating outboard motor.

DIVING:

HUN#	Name	Contact	Phone
109	DIVING		

SAMPLING SITE:

HUN#	Name	Contact	Phone
127	PISCO:DUCK POND	PETE RAIMONDI	831/459-5674
143	PISCO:QUALITATIVE	STEVE LONHART	831/647-4222

MARINE SANCTUARY:

HUN#	Name	Contact	Phone
219	MONTEREY BAY NATIONAL MARINE SANCTUARY	SUPERINTENDENT	831/647-4201

NATIONAL FOREST:

HUN#	Name	Contact	Phone
220	LOS PADRES NATIONAL FOREST	USDA FOREST SERVICE	

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
351	CALIFORNIA SEA OTTER GAME REFUGE	CDF&G	