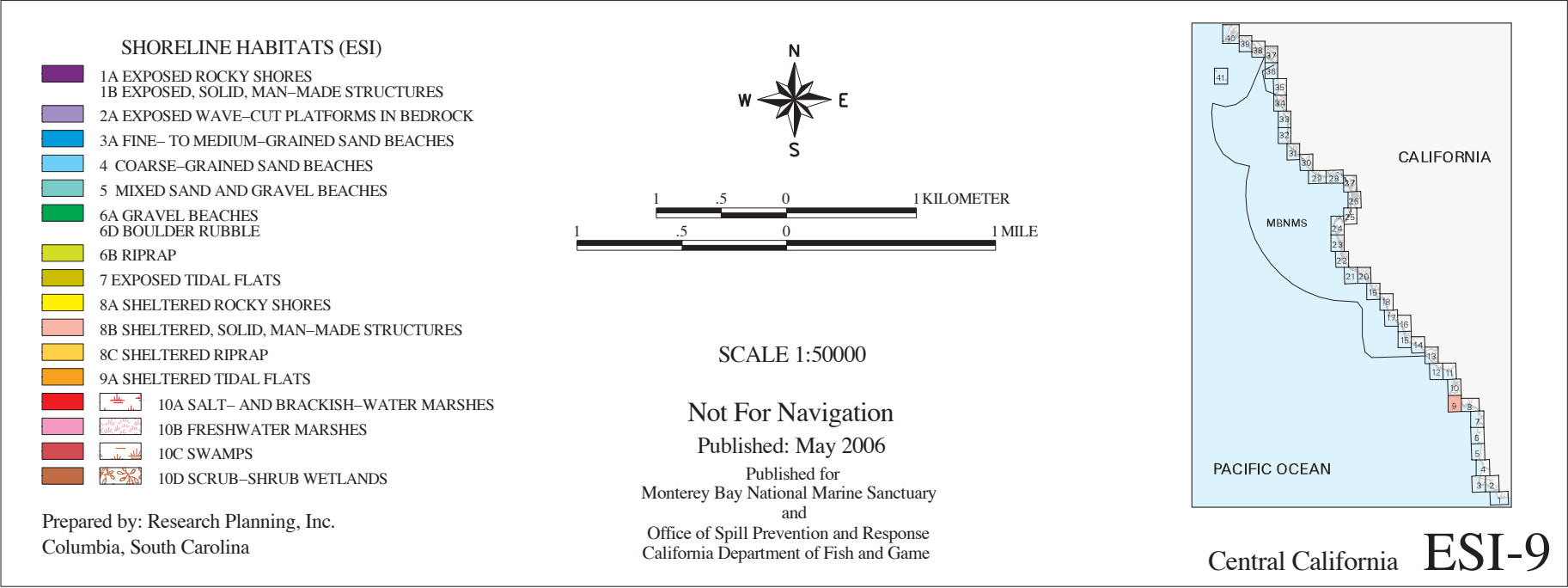
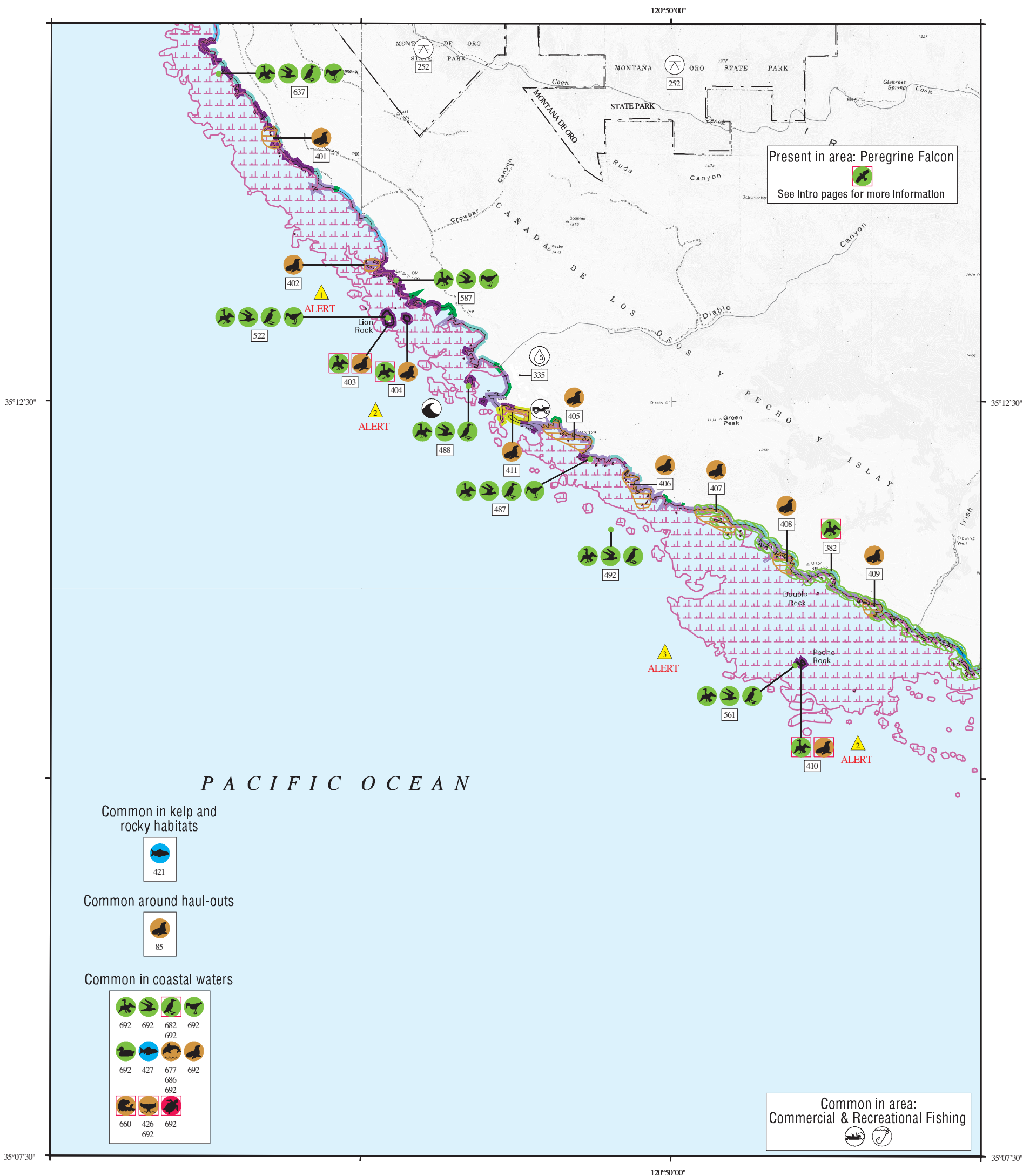


ENVIRONMENTAL SENSITIVITY INDEX MAP



Central California: ESIMAP 9

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
382	Brown pelican	E E HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	JUL-NOV	-
403	Brown pelican	E E 100S	X	X	X	X	X	X	X	X	X	X	X	X	-	JUL-NOV	-
404	Brown pelican	E E MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	JUL-NOV	-
410	Brown pelican	E E MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	JUL-NOV	-
487	Black oystercatcher	1 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Pelagic cormorant	114 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Pigeon guillemot	48 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Western gull	28 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
488	Brandt's cormorant	15 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Pigeon guillemot	5 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Western gull	26 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
492	Pelagic cormorant	18 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	-	-
	Western gull	6 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
522	Black oystercatcher	1 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Brandt's cormorant	277 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Pelagic cormorant		X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Pigeon guillemot	18 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Western gull	24 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
561	Brandt's cormorant	321 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Pelagic cormorant		X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Pigeon guillemot		X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Western gull	14 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
587	Black oystercatcher	2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Brandt's cormorant	1309 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Western gull	44 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
637	Black oystercatcher	6 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Pelagic cormorant	174 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Pigeon guillemot	242 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
	Western gull	49 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
692	Cassin's auklet	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Clark's grebe	MODERATE	X	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	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	X	-	OCT-APR	-
	Loons	LOW	X	X	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	MODERATE	X	X	X	X				X	X	X	X	X	-	OCT-MAY	-
	Pelicans	MODERATE		X	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	MODERATE		X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Rhinoceros auklet	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Shearwaters	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Surf scoter	MODERATE	X	X	X	X				X	X	X	X	X	-	MAR-APR SEP-DEC	-
	Western grebe	MODERATE	X	X	X	X				X	X	X	X	X	-	MAR-APR SEP-NOV	-
	White-winged scoter	MODERATE	X	X	X	X				X	X	X	X	X	-	MAR-APR OCT-NOV	-

FISH:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
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	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
85	Pinnipeds	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
401	Harbor seal	47 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
402	Harbor seal	101 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
403	California sea lion	1038-2083 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-JUL	-
	Steller sea lion	T 1 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
404	California sea lion	178-663 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-JUL	-
405	Harbor seal	8-33 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
406	Harbor seal	98-118 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
407	Harbor seal	32-36 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
408	Harbor seal	33-133 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
409	Harbor seal	23 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
410	California sea lion	697-1482 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-JUL	-
	Steller sea lion	T 2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
411	Northern elephant seal	LOW	X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	-	DEC-MAR	MAY-JUN
426	Gray whale		X	X	X	X					X	X			-	DEC-FEB	-	-
660	Sea otter	T 247 INDEP / 36 PUPS	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-MAR SEP-NOV	-
677	Harbor porpoise	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	JUN-AUG	-	-
686	Harbor porpoise	1600 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	JUN-AUG	-	-
692	Blue whale	E MODERATE						X	X	X	X	X	X	X	-	-	-	-
	Bottlenose dolphin	MODERATE	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	-	-	-	-
	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	MODERATE	X	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	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	LOW	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	MODERATE	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 impactsto protected species.

Central California: ESIMAP 9 (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
692	Seals	LOW	X X X X X X X X X X X	-	-	-	-
	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	-	-	-	-

REPTILE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Hatching	Internesting	Juveniles	Adults
692	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	California sea lion rookeries, May-August.
3	Keep out of kelp when transiting. Note potential presence of sea otters if operating outboard motor.

PARK:

HUN#	Name	Contact	Phone
252	MONTANA DE ORO SP	CA DEPT OF PARKS AND RECREATION	

WATER INTAKE:

HUN#	Name	Contact	Phone
335	DIABLO CANYON NUCLEAR POWERPLANT		