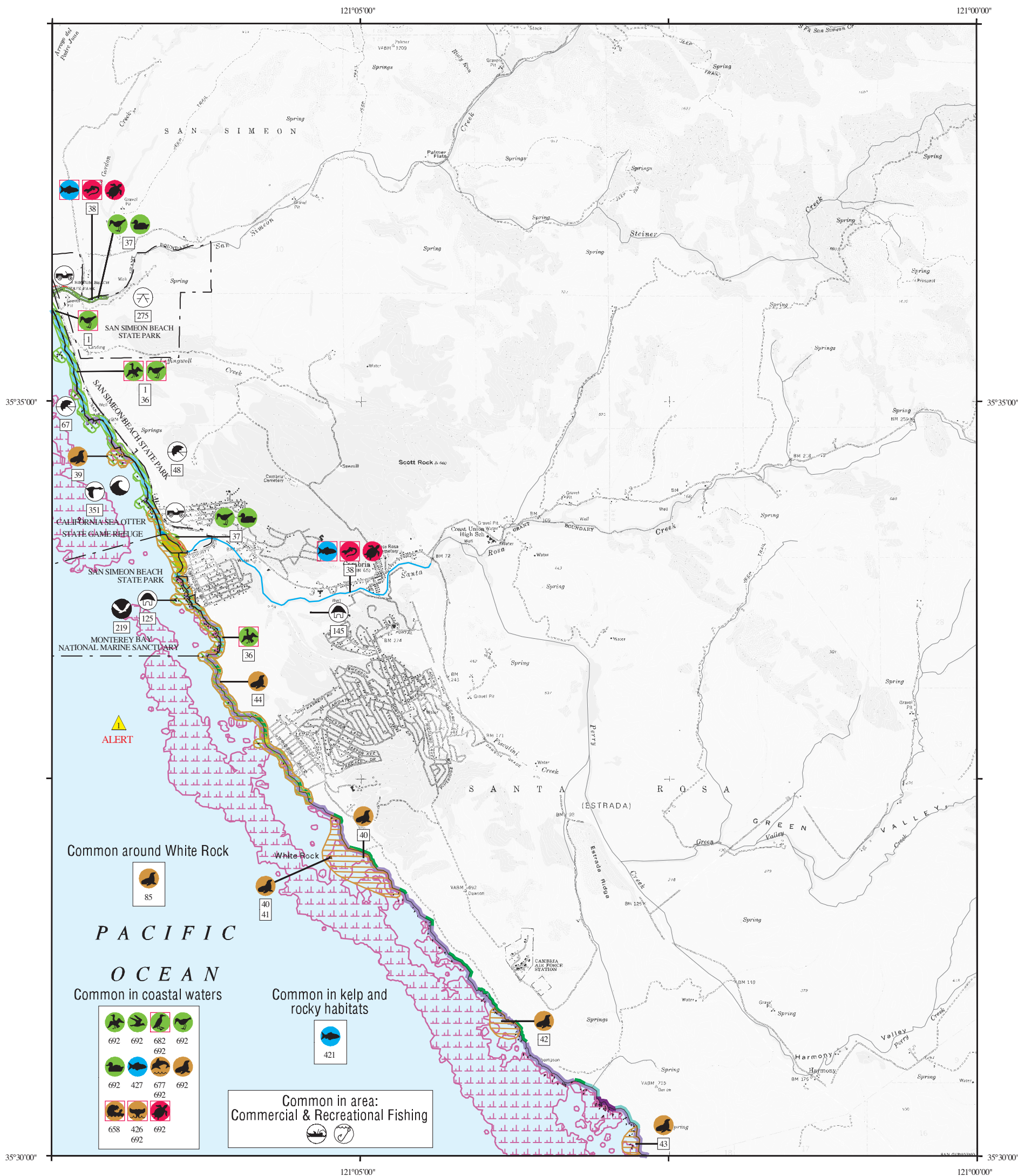


ENVIRONMENTAL SENSITIVITY INDEX MAP



Central California: ESIMAP 13

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Migrating	Molting
1	Western snowy plover	T	X X X X X X X X X X X	MAR-SEP	-	-
36	Brown pelican	E E 5-74 INDIV.	X X X X X X X X X X X	-	JUL-NOV	-
37	Shorebirds		X X X X X X X X X X X	-	-	-
	Waterfowl		X X X X X X X X X X X	-	-	-
682	Sooty shearwater	MODERATE	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	-	-	-
	Clark's grebe	MODERATE	X 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	-	-	JUL-SEP
	Cormorants	MODERATE	X X X X X X X X X X X	-	-	-
	Eared grebe	LOW	X 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	-	-	-
	Horned grebe	LOW	X X X X X X X X X X	-	OCT-APR	-
	Loons	LOW	X 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	-	-	-
	Pacific loon	MODERATE	X X X 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	-	-	-
	Pigeon guillemot	MODERATE	X X X X X X X X X X	-	-	-
	Rhinoceros auklet	MODERATE	X X X X X X X X X X X	-	-	-
	Shearwaters	MODERATE	X X X X X X X X X X X	-	-	-
	Surf scoter	MODERATE	X 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 X	-	MAR-APR SEP-NOV	-
	White-winged scoter	MODERATE	X 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
38	Steelhead	T	X X X X X X X X X X X	-	-	-	JUN-OCT	OCT-JUN
	Tidewater goby	E	X X X X X X X X X X X	JAN-DEC	-	-	-	JAN-DEC
421	Black rockfish		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	MAR-JUN	-	-	MAY-JUL	JAN-DEC
	Blue rockfish		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	-	-	-	JAN-DEC	-
	Canary rockfish (orange)		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	JAN-JUL	-	-	MAY-JUL	JAN-DEC
	Copper rockfish		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	MAR-JUN	-	-	MAY-JUL	JAN-DEC
	Grass rockfish		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	FEB-APR	-	-	APR-AUG	JAN-DEC
	Olive rockfish		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	SEP-NOV	-	-	FEB-JUL	JAN-DEC
	Widow rockfish		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	-	-	-	JAN-DEC	-
427	California halibut		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 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
39	Harbor seal	26-67 INDIV.	X X X X X X X X X X X	-	-	MAR-MAY	-
40	Harbor seal	21-69 INDIV.	X X X X X X X X X X X	-	-	MAR-MAY	-
41	California sea lion	33-164 INDIV.	X X X X X X X X X X X	-	-	-	-
42	Harbor seal	48-78 INDIV.	X X X X X X X X X X X	-	-	MAR-MAY	-
43	Harbor seal	28 INDIV.	X X X X X X X X X X X	-	-	MAR-MAY	-
44	Northern elephant seal		X X X X X X X X X X X	DEC-MAR	-	DEC-MAR	MAY-JUN
85	Pinnipeds	HIGH	X X X X X X X X X X X	-	-	-	-
426	Gray whale		X X X X X X X X X X	-	DEC-FEB	-	-
658	Sea otter	T 522 INDEP / 80 PUPS	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	JUL-SEP	JUN-AUG	-	-
692	Blue whale	E MODERATE	X X X X X X X X X X	-	-	-	-
	Bottlenose dolphin	MODERATE	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	-	-	-	-
	Fin whale	E LOW	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	-	-	-	-
	Killer whale	LOW	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	-	-	-	-
	Minke whale	LOW	X X X X X X X X X X X	-	MAR-MAY	-	-
	Northern right whale	E LOW	X X X X X X X X X X	-	-	-	-
	Northern right-whale dolphin	LOW	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	-	-	-	-
	Risso's dolphin	MODERATE	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	-	-	-	-
	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	Interesting	Juveniles	Adults
38	California red-legged frog	T	X X X X X X X X X X	-	-	-	JUN-OCT	-
	Western pond turtle		X X X X X X X X X X	-	-	-	JUN-OCT	-
692	Leatherback sea turtle	E LOW	X X X X X X X X X X	-	-	-	-	MAY-NOV

HUMAN USE RESOURCES:

ALERT:

ID#	Description
1	Keep out of kelp when transiting. Note potential presence of sea otters if operating outboard motor.

BEACH:

HUN#	Name	Contact	Phone
48	MOONSTONE STATE BEACH		
67	SAN SIMEON BEACH STATE PARK		

SAMPLING SITE:

HUN#	Name	Contact	Phone
125	PISCO:CAMBRIA ROCK	STEVE LONHART	831/647-4222
145	PISCO:RANCHO MARINO	PETE RAIMONDI	831/459-5674

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 13 (cont.)

HUMAN USE RESOURCES: (cont.)

MARINE SANCTUARY:

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

PARK:

HUN#	Name	Contact	Phone
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275	SAN SIMEON SP	CA DEPT OF PARKS AND RECREATION	

WILDLIFE REFUGE:

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