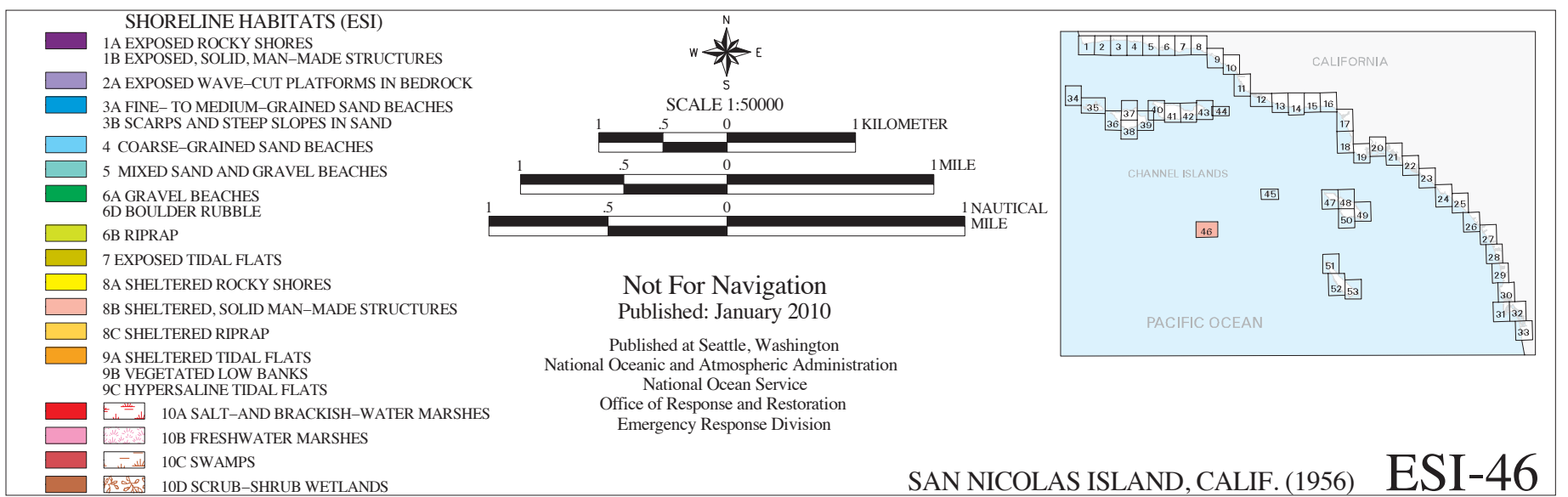
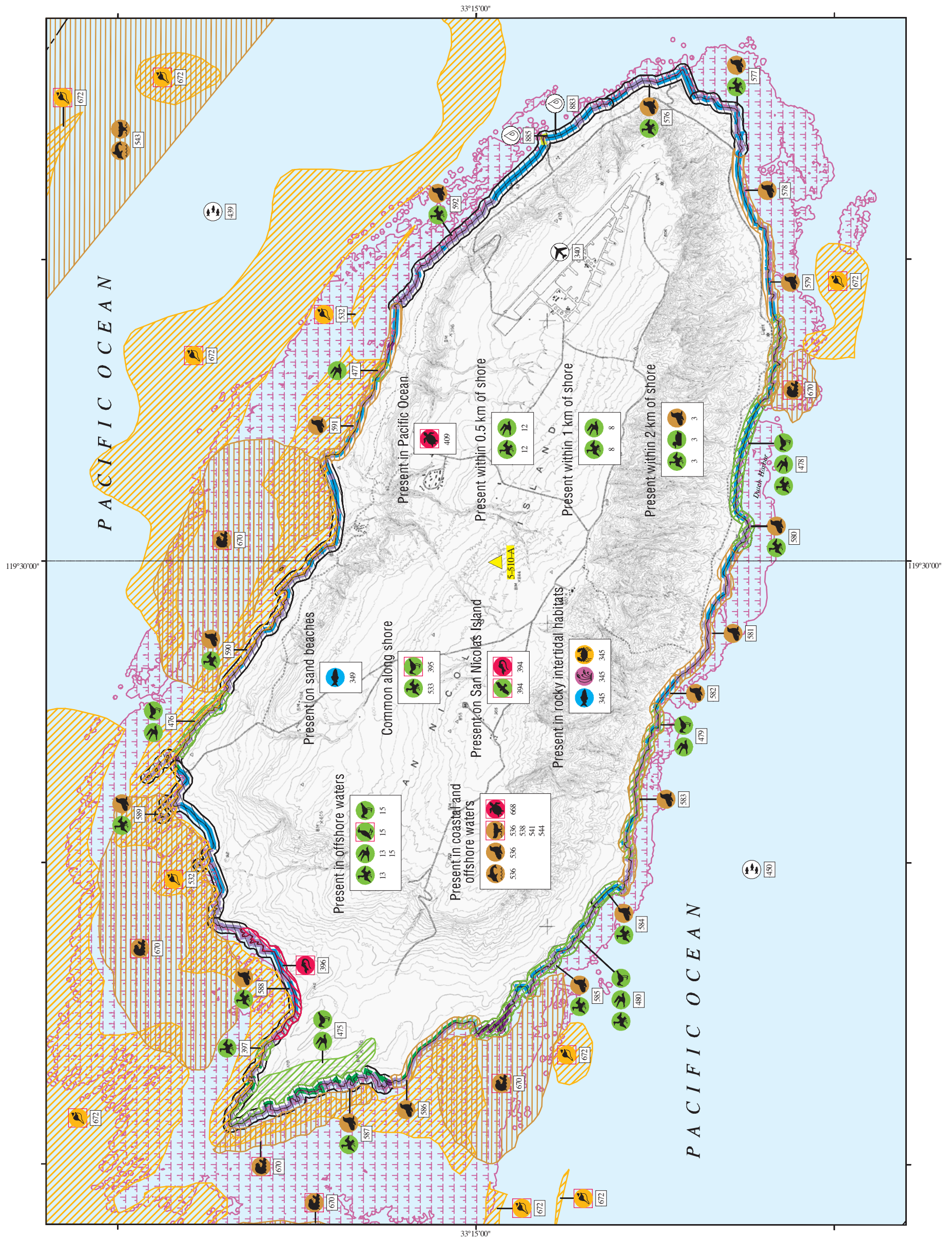


ENVIRONMENTAL SENSITIVITY INDEX MAP



Southern California: ESIMAP 46

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Migrating	Molting
3	Surf scoter		X X X X X	-	-	-
	Western grebe		X X X X X	-	-	-
8	California gull		X X X X X	-	-	-
	Double-crested cormorant		X X X X X X X X X X X	-	-	-
	Heermann's gull		X X X X X X X X X X X	-	-	-
12	Common tern		X X X X X X X	-	-	-
	Elegant tern		X X X X X X X	-	-	-
	Pacific loon		X X X X X X	-	-	-
13	Brandt's cormorant		X X X X X	-	-	-
	Brown pelican		X X X X X X X	-	-	-
	Western gull		X X X X X X X X X X X	-	-	-
15	Ashy storm-petrel	C	X X X X X X X X X X X	-	-	-
	Black-legged kittiwake		X X X X X	-	-	-
	Bonaparte's gull		X X X X X	-	-	-
	Buller's shearwater		X X X	-	-	-
	California gull		X X X X X	-	-	-
	Cassin's auklet	C	X X X X X X X X X X	-	-	-
	Leach's storm-petrel		X X X X X X X X X X	-	-	-
	Northern fulmar		X X	-	-	-
	Pink-footed shearwater		X X X X	-	-	-
	Red phalarope		X X X X X X	-	-	-
	Red-necked phalarope		X X X X X X X	-	-	-
	Rhinoceros auklet		X X X X X	-	-	-
	Sooty shearwater		X X X X X	-	-	-
	Xantus's murrelet	T	X X X	-	-	-
394	Bald eagle	E	X X X X X X X X X X X	-	-	-
	Osprey		X X X X X	-	-	-
	Peregrine falcon		X X X X	-	-	-
395	Western snowy plover	C T	134-243 BIRDS	X X	X X X	-
	Western snowy plover	C T	62-90 BIRDS	X X X X X X X	MAR-SEP	-
397	Brandt's cormorant	5811	X X X X X X X X X X X	APR-JUN	-	-
475	Black oystercatcher	3	X X X X X X X X X X X	MAR-SEP	-	-
	Western gull	5638	X X X X X X X X X X X	FEB-SEP	-	-
476	Black oystercatcher	3	X X X X X X X X X X X	MAR-SEP	-	-
	Western gull	4	X X X X X X X X X X X	FEB-SEP	-	-
477	Western gull	2	X X X X X X X X X X X	FEB-SEP	-	-
478	Black oystercatcher	2	X X X X X X X X X X X	MAR-SEP	-	-
	Brandt's cormorant	1716	X X X X X X X X X X X	APR-JUN	-	-
	Western gull	6	X X X X X X X X X X X	FEB-SEP	-	-
479	Black oystercatcher	3	X X X X X X X X X X X	MAR-SEP	-	-
	Western gull	86	X X X X X X X X X X X	FEB-SEP	-	-
480	Black oystercatcher	12	X X X X X X X X X X X	MAR-SEP	-	-
	Brandt's cormorant	315	X X X X X X X X X X X	APR-JUN	-	-
	Western gull	302	X X X X X X X X X X X	FEB-SEP	-	-
533	Brown pelican		X X X X X	-	-	-
576	Brandt's cormorant		X X X X X X X X X X X	APR-JUN	-	-
577	Brandt's cormorant		X X X X X X X X X X X	APR-JUN	-	-
580	Brandt's cormorant		X X X X X X X X X X X	APR-JUN	-	-
584	Brandt's cormorant		X X X X X X X X X X X	APR-JUN	-	-
585	Brandt's cormorant		X X X X X X X X X X X	APR-JUN	-	-
587	Brandt's cormorant		X X X X X X X X X X X	APR-JUN	-	-
588	Brandt's cormorant		X X X X X X X X X X X	APR-JUN	-	-
589	Brandt's cormorant		X X X X X X X X X X X	APR-JUN	-	-
590	Brandt's cormorant		X X X X X X X X X X X	APR-JUN	-	-
592	Brandt's cormorant		X X X X X X X X X X X	APR-JUN	-	-

FISH:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
345	Rocky intertidal fish		X X X X X X X X X X X	-	-	-	-	-
349	California grunion	POSSIBLE RUNS	X X X X X X X X X X X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC

HABITAT:

RAR#	Species	S F Conc.	J F M A M J J A S O N D
345	Rocky intertidal plants		X X X X X X X X X X X

INVERTEBRATE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
345	Rocky intertidal invertebrates		X X X X X X X X X X X	-	-	-	-	-
532	Black abalone	E HIGH PROBABILITY	X X X X X X X X X X X	-	-	-	-	-
672	White abalone	E HIGH PROBABILITY	X X X X X X X X X X X	MAY-OCT	-	-	-	-

MARINE MAMMAL:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Mating	Calving	Pupping	Molting
3	Pacific harbor seal	PRIMARY	X X X X X X X X X X X	-	-	-	-
536	Bottlenose dolphin	PRIMARY	X X X X X X X X X X X	-	-	-	-
	California sea lion	PRIMARY	X X X X X X X X X X X	-	-	-	AUG-SEP
	Dall's porpoise	PRIMARY	X X X X X	-	-	-	-
	Dall's porpoise	SECONDARY	X X X X X X	-	-	-	-
	Killer whale	PRIMARY	X X X X X X X X X X X	-	-	-	-
	Minke whale	PRIMARY	X X X X X X X X X X X	-	-	-	-
	Northern right-whale dolphin	PRIMARY	X X X X X	-	-	-	-
	Northern right-whale dolphin	SECONDARY	X X X X X X	-	-	-	-
	Pacific white-sided dolphin	PRIMARY	X X X X X	-	-	-	-
	Pacific white-sided dolphin	SECONDARY	X X X X X X	-	-	-	-
	Risso's dolphin	PRIMARY	X X X X X X X X X X X	-	-	-	-
	Short-beaked common dolphin	PRIMARY	X X X X X X X X X X X	-	-	-	-
	Short-finned pilot whale	RARE	X X X X X X X X X X X	-	-	-	-
	Striped dolphin	RARE	X X X X X X X X X X X	-	-	-	-
538	Baird's beaked whale	PRIMARY	X X X X X X X X X X X	-	-	-	-
	Cuvier's beaked whale	PRIMARY	X X X X X X X X X X X	-	-	-	-
	Mesoplodont beaked whales	PRIMARY	X X X X X X X X X X X	-	-	-	-
	Sperm whale	E PRIMARY	X X X X X X X X X X X	-	-	-	-
541	Blue whale	E PRIMARY	X X X X X X X X X	-	-	-	-
	Blue whale	E RARE	X X X	-	-	-	-
	Bryde's whale	RARE	X X X X X X X X X	-	-	-	-
	Fin whale	E PRIMARY	X X X X X X X X X	-	-	-	-
	Fin whale	E SECONDARY	X X X	-	-	-	-
	Humpback whale	E PRIMARY	X X X X X X X X X	-	-	-	-
	Humpback whale	E SECONDARY	X X X	-	-	-	-
	North Pacific right whale	E RARE	X X X X X X X X X	-	-	-	-
543	Gray whale	PRIMARY	X X X X	-	-	-	-
	Gray whale	RARE	X X X X X X	-	-	-	-
	Gray whale	SECONDARY	X	-	-	-	-
	Long-beaked common dolphin	PRIMARY	X X X X X X X X X X X	-	-	-	-
544	Gray whale	RARE	X X X X X X X X X X X	-	-	-	-
576	California sea lion	818 INDIV.	X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	1392 INDIV.	X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
577	California sea lion	808 INDIV.	X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	124 INDIV.	X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	13-46 INDIV.	X X X X X X X X X X X	-	-	FEB-MAY	MAY-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.

Southern California: ESIMAP 46 (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
578	California sea lion	1248 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	1308 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	43 INDIV.	X X X X X X X X X X X X	-	-	FEB-MAY	MAY-JUL
579	California sea lion	7815 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	1186 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	107-226 INDIV.	X X X X X X X X X X X X	-	-	FEB-MAY	MAY-JUL
580	California sea lion	2014 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	956 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
581	California sea lion	5078 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	836 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	54-102 INDIV.	X X X X X X X X X X X X	-	-	FEB-MAY	MAY-JUL
582	California sea lion	1107 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	783 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
583	California sea lion	8680 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	405 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
584	California sea lion	3018 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	706 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
585	California sea lion	6520 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	440 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	22-29 INDIV.	X X X X X X X X X X X X	-	-	-	MAY-JUL
586	California sea lion	387 INDIV.	X X X X X X X X X X X X	-	-	-	AUG-SEP
	Northern elephant seal	1333 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
587	California sea lion	8755 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	57 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	18 INDIV.	X X X X X X X X X X X X	-	-	-	MAY-JUL
588	California sea lion	3356 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	601 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	108-175 INDIV.	X X X X X X X X X X X X	-	-	-	MAY-JUL
589	California sea lion	2 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	122 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	5 INDIV.	X X X X X X X X X X X X	-	-	-	MAY-JUL
590	Northern elephant seal	79 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	123-196 INDIV.	X X X X X X X X X X X X	-	-	-	MAY-JUL
591	Northern elephant seal	1 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
592	California sea lion	1012 INDIV.	X X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	972 INDIV.	X X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	105-279 INDIV.	X X X X X X X X X X X X	-	-	-	MAY-JUL
670	Sea otter	T	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
394	Island night lizard	T	X X X X X X X X X X X X	MAR-SEP	-	-	-	-
396	Island night lizard	T	X X X X X X X X X X X X	MAR-SEP	-	-	-	-
409	Loggerhead sea turtle	T RARE	X X X X X X X X X X X X	-	-	-	-	-
668	Leatherback sea turtle	E SECONDARY	X X X X X	-	-	-	-	MAR-JUL

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
5-510-A/B	San Nicholas Island	CDF&G OSPR

AIRPORT:

HUN#	Name	Contact	Phone
340	NOLF SAN NICOLAS ISLAND		

FISHERY AREA:

HUN#	Name	J F M A M J J A S O N D
439	California halibut	X X X X X X X X X X X X
	California market squid	X X X X X X X X X X X X
	California sheephead	X X X X X X X X X X X X
	California spiny lobster	X X X X X X X X X X X X
	Dover sole	X X X X X X X X X X X X
	Lingcod	X X X X X X X X X X X X
	Ocean whitefish	X X X X X X X X X X X X
	Pacific angel shark	X X X X X X X X X X X X
	Pacific bonito	X X X X X X X X X X X X
	Pacific sanddab	X X X X X X X X X X X X
	Rock crabs	X X X X X X X X X X X X
	Rockfish	X X X X X X X X X X X X
	Sablefish	X X X X X X X X X X X X
	Sea cucumbers	X X X X X X X X X X X X
	Sea urchins	X X X X X X X X X X X X
	Shark	X X X X X X X X X X X X
	Sheep crab	X X X X X X X X X X X X
	Spot prawn	X X X X X X X X X X X X
	Surfperch	X X X X X X X X X X X X
	Swordfish	X X X X X X X X X X X X
	Thornyhead spp.	X X X X X X X X X X X X
	Tuna	X X X X X X X X X X X X
	Warty sea cucumber	X X X X X X X X X X X X
	White seabass	X X X X X X X X X X X X
	Yellowtail	X X X X X X X X X X X X
450	California halibut	X X X X X X X X X X X X
	California market squid	X X X X X X X X X X X X
	California sheephead	X X X X X X X X X X X X
	California spiny lobster	X X X X X X X X X X X X
	Dover sole	X X X X X X X X X X X X
	Lingcod	X X X X X X X X X X X X
	Ocean whitefish	X X X X X X X X X X X X
	Pacific bonito	X X X X X X X X X X X X
	Rock crabs	X X X X X X X X X X X X
	Rockfish	X X X X X X X X X X X X
	Sablefish	X X X X X X X X X X X X
	Sea cucumbers	X X X X X X X X X X X X
	Sea urchins	X X X X X X X X X X X X
	Shark	X X X X X X X X X X X X
	Sheep crab	X X X X X X X X X X X X
	Spot prawn	X X X X X X X X X X X X
	Surfperch	X X X X X X X X X X X X
	Thornyhead spp.	X X X X X X X X X X X X
	Tuna	X X X X X X X X X X X X
	Warty sea cucumber	X X X X X X X X X X X X
	White seabass	X X X X X X X X X X X X
	Yellowtail	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.

Southern California: ESIMAP 46 (cont.)

HUMAN USE RESOURCES: (cont.)

WATER INTAKE:

HUN#	Name	Contact	Phone
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883	WATER INTAKE		
885	WATER INTAKE		