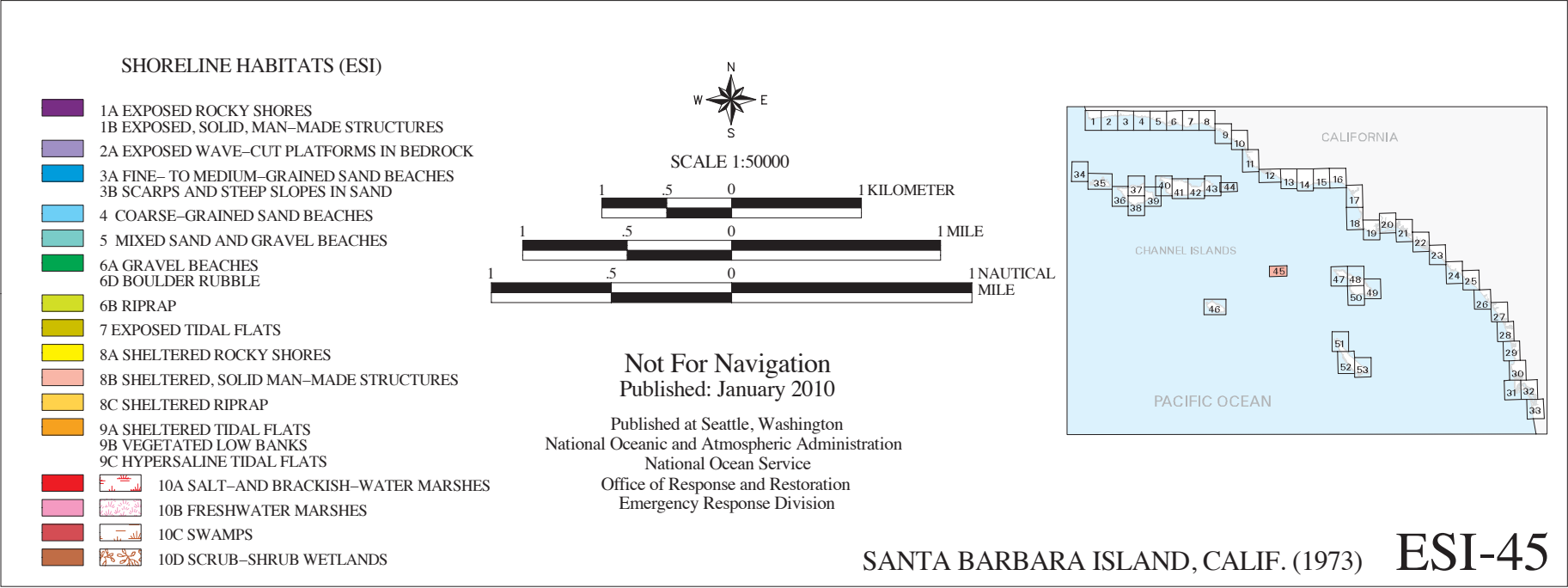
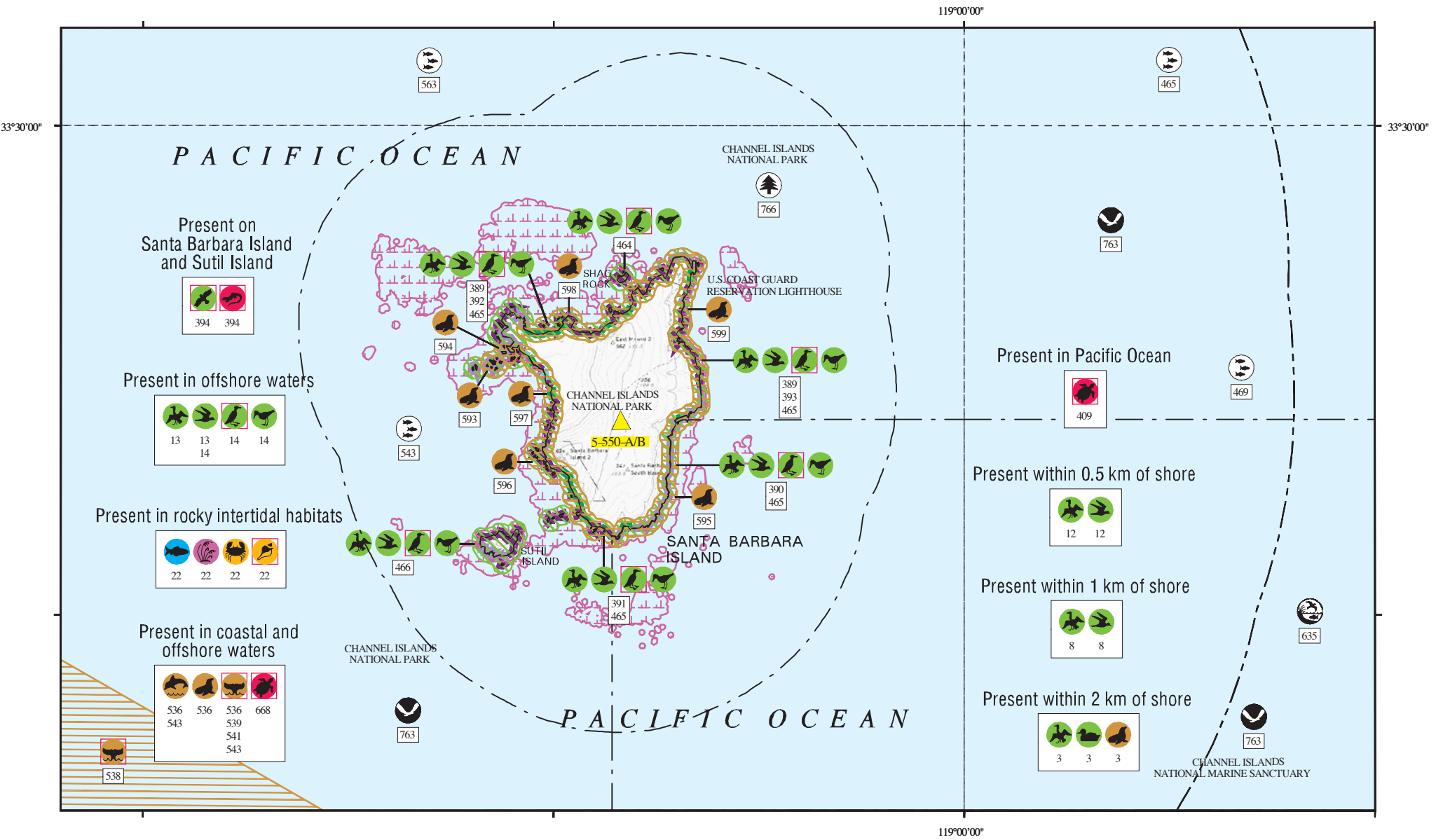


ENVIRONMENTAL SENSITIVITY INDEX MAP



Southern California: ESIMAP 45

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					X	X	X	-	-	-
	Western grebe				X	X	X	X	X					X	X	X	-	-	-
8	California gull				X	X	X	X					X	X	X	X	-	-	-
	Double-crested cormorant				X	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	X	-	-	-
12	Common tern								X	X	X	X	X	X	X	X	-	-	-
	Elegant tern								X	X	X	X	X	X	X	X	-	-	-
	Pacific loon				X	X	X	X	X				X	X	X	X	-	-	-
13	Brandt's cormorant				X	X	X	X					X	X	X	X	-	-	-
	Brown pelican								X	X	X	X	X	X	X	X	-	-	-
	Western gull				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
14	Alcids								X	X	X	X					-	-	-
	Ashy storm-petrel	C			X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black-legged kittiwake				X	X	X	X	X						X	X	-	-	-
	Black-vented shearwater				X	X	X						X	X	X	X	-	-	-
	Bonaparte's gull				X	X	X	X					X	X	X	X	-	-	-
	Brown booby				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Cassin's auklet	C			X	X	X	X	X	X	X	X	X				-	-	-
	Common tern								X	X	X	X	X	X			-	-	-
	Jaegers				X	X	X	X	X	X	X	X	X	X	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	X	X	X	-	-	-
	Sooty shearwater								X	X	X	X	X				-	-	-
	Xantus's murrelet	T			X	X	X	X	X	X	X	X	X	X	X	X	MAR-JAN	-	-
389	Brown pelican			4000 NESTS	X	X	X	X	X	X	X	X	X	X	X	X	DEC-AUG	-	-
390	Xantus's murrelet	T		25-50	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JAN	-	-
391	Xantus's murrelet	T		75-150	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JAN	-	-
392	Xantus's murrelet	T		150-400	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JAN	-	-
393	Xantus's murrelet	T		100-200	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JAN	-	-
394	Bald eagle	E			X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Osprey				X	X	X	X					X	X	X	X	-	-	-
	Peregrine falcon				X	X	X	X					X	X	X	X	-	-	-
464	Black oystercatcher			2	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Brandt's cormorant			283	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Cassin's auklet	C		2	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	-	-
	Double-crested cormorant			10	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-
	Pelagic cormorant			4	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Pigeon guillemot			8	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull			84	X	X	X	X	X	X	X	X	X	X	X	X	FEB-SEP	-	-
	Xantus's murrelet	T		5-10	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JAN	-	-
465	Ashy storm-petrel	C		0-874	X	X	X	X	X	X	X	X	X	X	X	X	JAN-SEP	-	-
	Black oystercatcher			16	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Black storm-petrel	C		200	X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	-	-
	Brandt's cormorant			794	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Cassin's auklet	C		10	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	-	-
	Double-crested cormorant			67	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-
	Leach's storm-petrel			167					X	X	X	X	X				FEB-AUG	-	-
	Pelagic cormorant			42	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Pigeon guillemot			238	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull			7520	X	X	X	X	X	X	X	X	X	X	X	X	FEB-SEP	-	-
466	Ashy storm-petrel	C		586	X	X	X	X	X	X	X	X	X	X	X	X	JAN-SEP	-	-
	Black oystercatcher			4	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Black storm-petrel	C		74	X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	-	-
	Brandt's cormorant			201	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Cassin's auklet	C		122	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	-	-
	Double-crested cormorant			58	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-
	Leach's storm-petrel			37					X	X	X	X	X	X			FEB-AUG	-	-
	Pigeon guillemot			38	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull			74	X	X	X	X	X	X	X	X	X	X	X	X	FEB-SEP	-	-
	Xantus's murrelet	T		20-40	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JAN	-	-

FISH:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
		-	-		-	-	-	-	-	-	-	-	-	-	-	-					
22	Rocky intertidal fish				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-

HABITAT:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D
		-	-		-	-	-	-	-	-	-	-	-	-	-	-
22	Rocky intertidal plants				X	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
		-	-		-	-	-	-	-	-	-	-	-	-	-	-					
22	Black abalone	E		POTENTIAL	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Rocky intertidal invertebrates				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-

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	X	-	-	-	-
536	Bottlenose dolphin			PRIMARY	X	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	X	-	-	-	-
	Dall's porpoise			PRIMARY	X	X	X	X							X		-	-	-	AUG-SEP
	Dall's porpoise			SECONDARY						X	X	X	X	X	X		-	-	-	-
	Killer whale			PRIMARY	X	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	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	X	-	-	-	-
	Short-beaked common dolphin			PRIMARY	X	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	X	-	-	-	-
	Striped dolphin			RARE	X	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	X	-	-	-	-
	Cuvier's beaked whale			PRIMARY	X	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	X	-	-	-	-
	Sperm whale	E		PRIMARY	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
539	Baird's beaked whale			SECONDARY	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Cuvier's beaked whale			SECONDARY	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Mesoplodont beaked whales			SECONDARY	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Sperm whale	E		SECONDARY	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
541	Blue whale	E		PRIMARY						X	X	X	X	X	X	X	-	-	-	-
	Blue whale	E		RARE	X	X	X								X		-	-	-	-
	Bryde's whale			RARE						X	X	X	X	X	X	X	-	-	-	-
	Fin whale	E		PRIMARY						X	X	X	X	X	X	X	-	-	-	-
	Fin whale	E		SECONDARY	X	X	X								X		-	-	-	-
	Humpback whale	E		PRIMARY						X	X	X	X	X	X	X	-	-	-	-
	Humpback whale	E		SECONDARY	X	X	X								X		-	-	-	-
	North Pacific right whale	E		RARE						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 45 (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
543	Gray whale	PRIMARY	X X X X	-	-	-	-
	Gray whale	RARE	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	-	-	-	-
593	Pacific harbor seal	5-12 INDIV.	X X X X X X X X X X X	-	-	-	MAY-JUL
594	Pacific harbor seal	7 INDIV.	X X X X X X X X X X X	-	-	-	MAY-JUL
595	California sea lion	4510 INDIV.	X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	61 INDIV.	X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
596	California sea lion	389 INDIV.	X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	1 INDIV.	X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
597	California sea lion	636 INDIV.	X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	6 INDIV.	X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
598	California sea lion	1560 INDIV.	X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP
	Northern elephant seal	8 INDIV.	X X X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
599	California sea lion	274 INDIV.	X X X X X X X X X X X	-	-	JUN-AUG	AUG-SEP

REPTILE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Hatching	Internesting	Juveniles	Adults
394	Island night lizard	T	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	-	-	-	-	-
668	Leatherback sea turtle	E SECONDARY	X X X X X	-	-	-	-	MAR-JUL

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
5-550-A/B	Santa Barbara Island	CDF&G OSPR

FISHERY AREA:

HUN#	Name	J F M A M J J A S O N D
465	Barred sand bass	X X X X X X X X X X X
	California halibut	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
	California scorpionfish	X X X X X X X X X X X
	California sheephead	X X X X X X X X X X
	California spiny lobster	X X X X X X X X X X
	Dover sole	X X X X X X X X X X X
	Kelp bass	X X X X X X X X X X X
	Ocean whitefish	X X X X X X X X X X X
	Pacific bonito	X X X X X X X X X X X
	Rock crabs	X X X X X X X X X X X
	Rockfish	X X X X X X X X X X X
	Sablefish	X X X X X X X X X X X
	Sea cucumbers	X X X X X X X X X X X
	Sea urchins	X X X X X X X X X X X
	Shark	X X X X X X X X X X X
	Swordfish	X X X X X X X X X X X
	Thornyhead spp.	X X X X X X X X X X X
	Tuna	X X X X X X X X X X X
	White seabass	X X X X X X X X X X X
469	California halibut	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
	California sheephead	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
	Dover sole	X X X X X X X X X X X
	Ocean whitefish	X X X X X X X X X X X
	Rockfish	X X X X X X X X X X X
	Sea cucumbers	X X X X X X X X X X X
	Sea urchins	X X X X X X X X X X X
	Shark	X X X X X X X X X X X
	Spot prawn	X X X X X X X X X X X
	Swordfish	X X X X X X X X X X X
	Tuna	X X X X X X X X X X X
	White seabass	X X X X X X X X X X X
	Yellowtail	X X X X X X X X X X X
543	Barred sand bass	X X X X X X X X X X X
	California halibut	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
	California scorpionfish	X X X X X X X X X X X
	California sheephead	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
	Dover sole	X X X X X X X X X X X
	Kelp bass	X X X X X X X X X X X
	Lingcod	X X X X X X X X X X X
	Northern anchovy	X X X X X X X X X X X
	Ocean whitefish	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
	Pacific bonito	X X X X X X X X X X X
	Pacific chub mackerel	X X X X X X X X X X X
	Pacific sardine	X X X X X X X X X X X
	Ridgeback prawn	X X X X X X X X X X X
	Rock crabs	X X X X X X X X X X X
	Rockfish	X X X X X X X X X X X
	Sablefish	X X X X X X X X X X X
	Sea cucumbers	X X X X X X X X X X X
	Sea urchins	X X X X X X X X X X X
	Shark	X X X X X X X X X X X
	Sheep crab	X X X X X X X X X X X
	Spot prawn	X X X X X X X X X X X
	Surfperch	X X X X X X X X X X X
	Swordfish	X X X X X X X X X X X
	Thornyhead spp.	X X X X X X X X X X X
	Tuna	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
	White seabass	X X X X X X X X X X X
	Yellowtail	X X X X X X X X X X X
563	California halibut	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
	California sea cucumber	X X X X X X X X X X X
	California sheephead	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
	Dover sole	X X X X X X X X X X X
	Kelp bass	X X X X X X X X X X X
	Lingcod	X X X X X X X X X X X
	Northern anchovy	X X X X X X X X X X X
	Ocean whitefish	X X X X X X X X X X X

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Southern California: ESIMAP 45 (cont.)

HUMAN USE RESOURCES: (cont.)

FISHERY AREA: (cont.)

HUN#	Name	J	F	M	A	M	J	J	A	S	O	N	D
563	Pacific angel shark	X	X	X	X	X	X	X	X	X	X	X	X
	Pacific chub mackerel	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
	Pacific sardine	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
	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
	Spot prawn		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
	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

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
635	SANTA BARBARA ISLAND MARINE RESERVE		

MARINE SANCTUARY:

HUN#	Name	Contact	Phone
763	CHANNEL ISLANDS NMS	NOAA	805/382-6149

NATIONAL PARK:

HUN#	Name	Contact	Phone
766	CHANNEL ISLANDS NATIONAL PARK	NATIONAL PARK SERVICE	805/658-5700