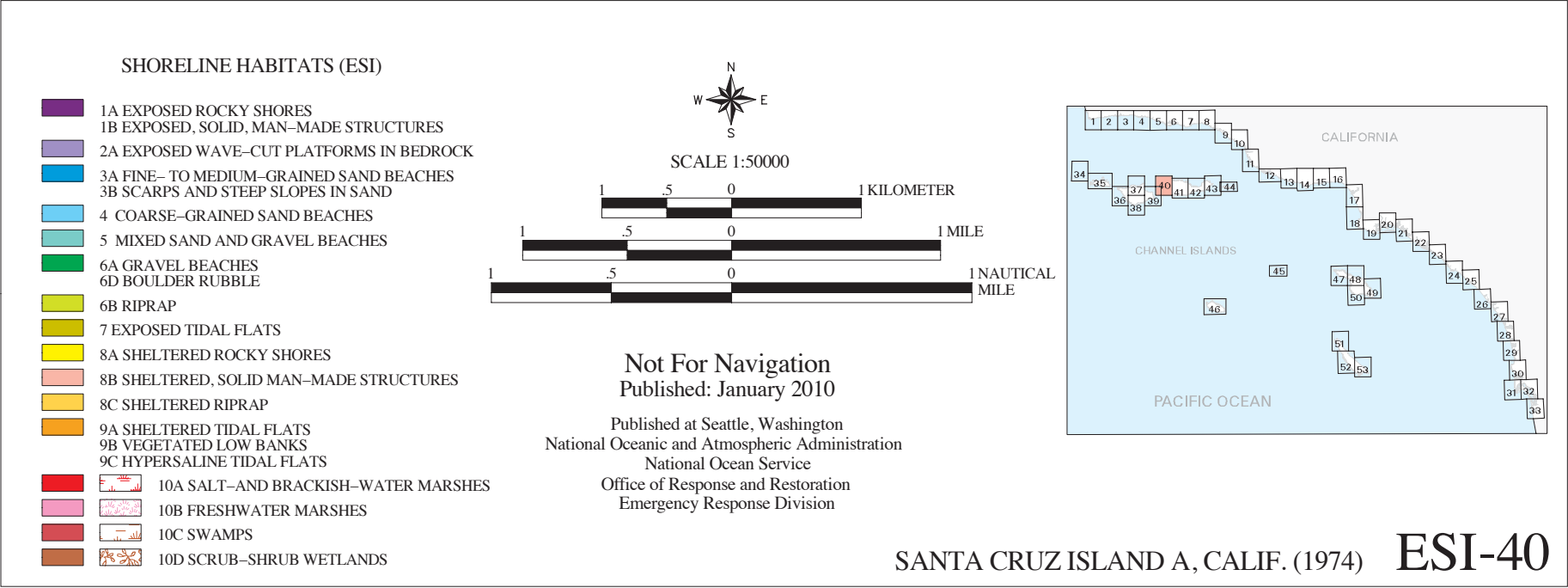
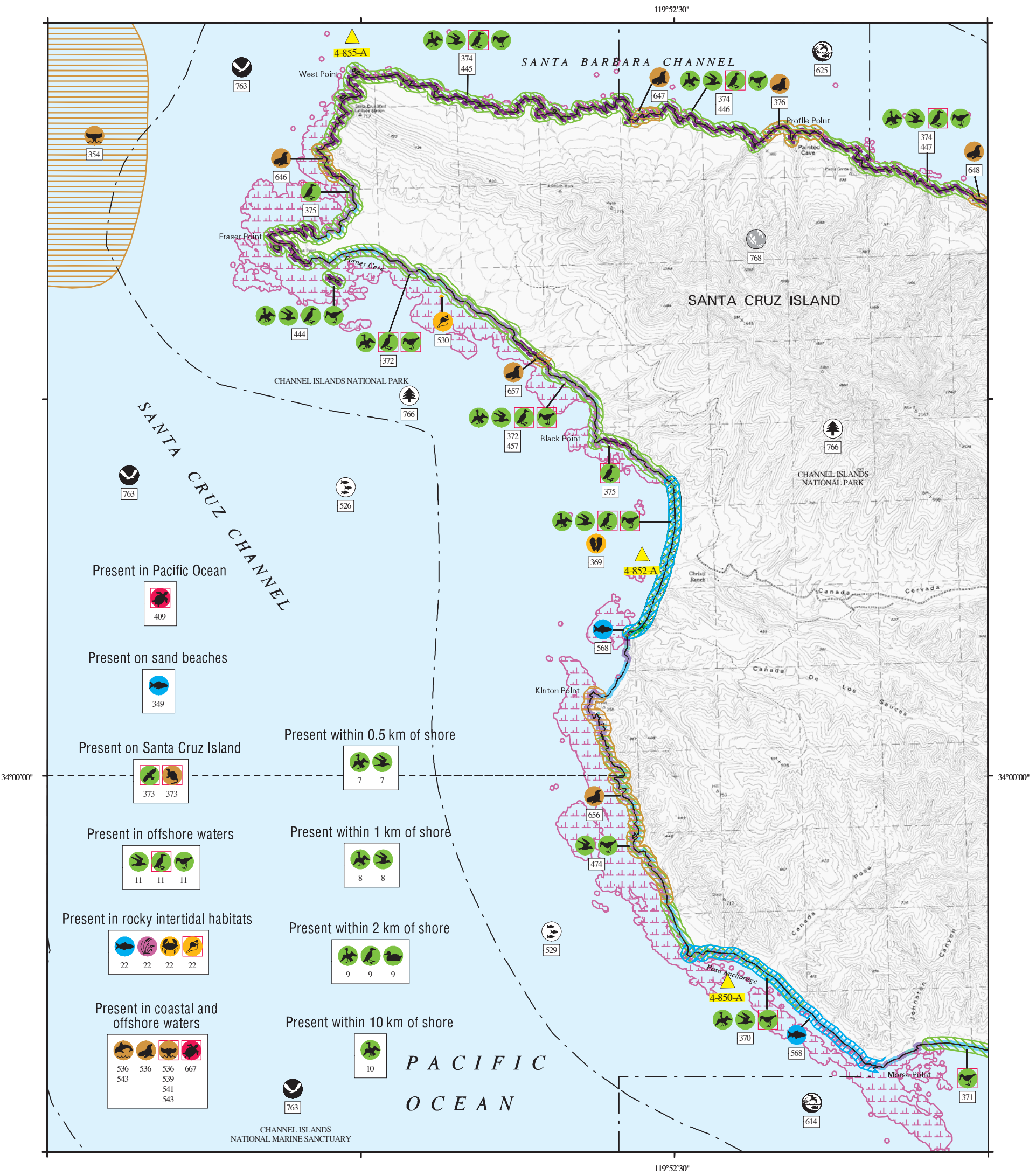


ENVIRONMENTAL SENSITIVITY INDEX MAP



Southern California: ESIMAP 40

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
7	Common loon		X	X	X	X	X				X	X	X	X	-	-	-
	Elegant tern						X	X	X	X	X	X	X		-	-	-
	Pacific loon		X	X	X	X	X				X	X	X	X	-	-	-
8	California gull		X	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	-	-	-
9	Pigeon guillemot		X	X						X	X	X	X	X	-	-	-
	Surf scoter		X	X	X	X	X				X	X	X		-	-	-
	Western grebe		X	X	X	X	X				X	X	X		-	-	-
10	Brandt's cormorant		X	X	X	X	X				X	X	X	X	-	-	-
	Brown pelican					X	X	X	X	X	X	X	X		-	-	-
	Pelagic cormorant		X	X	X	X					X	X	X	X	-	-	-
11	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	-	-	-
	Cassin's auklet	C	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Northern fulmar		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	X	-	-	-
	Sooty shearwater					X	X	X	X	X					-	-	-
	Western gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Xantus's murrelet	T		X	X	X									-	-	-
369	Ashy storm-petrel	C	X	X	X	X	X	X	X	X	X	X	X	X	JAN-SEP	-	-
	Brown pelican						X	X	X	X	X				-	-	-
	Gulls		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Sanderling		X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Western snowy plover	C T 6 BIRDS	X	X	X	X		X	X	X	X	X	X	X	-	-	-
	Willet		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
370	Brown pelican						X	X	X	X	X				-	-	-
	Gulls		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Sanderling		X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Western snowy plover	C T 4 BIRDS	X	X	X	X		X	X	X	X	X	X	X	-	-	-
	Willet		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
371	Western snowy plover	C T 10 BIRDS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
372	Ashy storm-petrel	C	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Brown pelican						X	X	X	X	X				-	-	-
	Cassin's auklet	C	X	X	X	X	X	X	X	X	X	X			-	-	-
	Sanderling		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Western snowy plover	C T	X	X	X	X		X	X	X	X	X	X	X	-	-	-
	Willet		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Xantus's murrelet	T		X	X	X									-	-	-
373	Bald eagle	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Osprey		X	X	X	X	X		X	X	X	X	X		-	-	-
	Peregrine falcon		X	X	X	X			X	X	X	X			-	-	-
374	Xantus's murrelet	T 30-90	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JAN	-	-
375	Ashy storm-petrel	C	X	X	X	X	X	X	X	X	X	X	X	X	JAN-SEP	-	-
444	Black oystercatcher	8	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Brandt's cormorant	67	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Pelagic cormorant	57	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Pigeon guillemot	62	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull	14	X	X	X	X	X	X	X	X	X	X	X	X	FEB-SEP	-	-
445	Ashy storm-petrel	C	X	X	X	X	X	X	X	X	X	X	X	X	JAN-SEP	-	-
	Black oystercatcher	1	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Brandt's cormorant	452	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Brown pelican	45				X	X	X	X	X					-	-	-
	Pelagic cormorant	64	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Pigeon guillemot	452	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull	170	X	X	X	X	X	X	X	X	X	X	X	X	FEB-SEP	-	-
446	Ashy storm-petrel	C 8	X	X	X	X	X	X	X	X	X	X	X	X	JAN-SEP	-	-
	Black oystercatcher	20	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Brandt's cormorant	67	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Pelagic cormorant	57	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Pigeon guillemot	365	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull	36	X	X	X	X	X	X	X	X	X	X	X	X	FEB-SEP	-	-
447	Black oystercatcher	8	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Brandt's cormorant	45	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Pelagic cormorant	22	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Pigeon guillemot	129	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull	64	X	X	X	X	X	X	X	X	X	X	X	X	FEB-SEP	-	-
457	Black oystercatcher	4	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Pelagic cormorant	15	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Pigeon guillemot	2	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull	34	X	X	X	X	X	X	X	X	X	X	X	X	FEB-SEP	-	-
474	Black oystercatcher	2	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Western gull	10	X	X	X	X	X	X	X	X	X	X	X	X	FEB-SEP	-	-

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	-	-	-	-	-
349	California grunion	POSSIBLE RUNS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC
568	California grunion	RUNS REPORTED	X	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
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	-	-	-	-	-
369	Pismo clam		X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	-	-	-	-
530	Red abalone		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
354	Whales	VERY HIGH				X	X	X	X	X	X	X	X		-	-	-	-
376	California sea lion		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-SEP
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	-	-	-	AUG-SEP
	Dall's porpoise	PRIMARY	X	X	X	X	X				X				-	-	-	-
	Dall's porpoise	SECONDARY				X	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	-	-	-	-

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 40 (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
536	Northern right-whale dolphin	PRIMARY	X	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							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	-	-	-	-
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	X		-	-	-	-
	Blue whale	E RARE	X	X	X									X	-	-	-	-
	Bryde's whale	RARE				X	X	X	X	X	X	X	X		-	-	-	-
	Fin whale	E PRIMARY				X	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	X		-	-	-	-
	Humpback whale	E SECONDARY	X	X	X									X	-	-	-	-
	North Pacific right whale	E RARE				X	X	X	X	X	X	X	X		-	-	-	-
543	Gray whale	PRIMARY	X	X	X	X									-	-	-	-
	Gray whale	RARE					X	X	X	X	X				-	-	-	-
	Gray whale	SECONDARY					X						X	X	-	-	-	-
	Long-beaked common dolphin	PRIMARY	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
646	California sea lion	2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-SEP
	Pacific harbor seal	35-60 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-JUL
647	Pacific harbor seal	9 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-JUL
648	Pacific harbor seal	121-172 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-JUL
656	California sea lion		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-SEP
	Pacific harbor seal	435-699 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-JUL
657	Pacific harbor seal	2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-JUL

REPTILE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Hatching	Internesting	Juveniles	Adults
409	Loggerhead sea turtle	T RARE	X X X X X X X X X X	-	-	-	-	-
667	Leatherback sea turtle	E PRIMARY	X X X X X	-	-	-	-	MAR-JUL

TERRESTRIAL MAMMAL:

RAR#	Species	S F Conc.	J F M A M J J A S O N D
373	Santa Cruz island fox	T E	X X X X X X X X X X

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
4-850-A	Santa Cruz Island, Posa Anchorage Lagoon	CDF&G OSPR
4-852-A	Santa Cruz Island, Christi Beach	CDF&G OSPR
4-855-A	Santa Cruz Island, Forney Cove	CDF&G OSPR

FISHERY AREA:

HUN#	Name	J F M A M J J A S O N D
526	Barred sand bass	X X X X X X X X X X
	Cabazon	X X X X X X X X X
	California halibut	X X X X X X X X X X
	California market squid	X X X X X X X X X X
	California scorpionfish	X X X X X X X X X X
	California sheephead	X X X X X X X X X
	California spiny lobster	X X X X X X X
	Dover sole	X X X X X X X X X X
	Flatfish	X X X X X X X X X X
	Kelp bass	X X X X X X X X X X
	Lingcod	X X X X X X X
	Northern anchovy	X X X X X X X X X X
	Ocean whitefish	X X X X X X X X X
	Pacific angel shark	X X X X X X X X X X
	Pacific bonito	X X X X X X X X X X
	Pacific chub mackerel	X X X X X X X X X X
	Pacific sanddab	X X X X X X X X X X
	Pacific sardine	X X X X X X X X X X
	Ridgeback prawn	X X X X X X X
	Rock crabs	X X X X X X X X X X
	Rockfish	X X X X X X X X X
	Sablefish	X X X X X X X X X X
	Sea cucumbers	X X X X X X X X X X
	Sea urchins	X X X X X X X X X X
	Shark	X X X X X X X X X X
	Sheep crab	X X X X X X X X X X
	Spot prawn	X X X X X X X X
	Surfperch	X X X X X X X X X X
	Swordfish	X X X X X X X X X X
	Thornyhead spp.	X X X X X X X X X X
	Tuna	X X X X X X X X X X
	Warty sea cucumber	X X X X X X X X X X
	White seabass	X X X X X X X X X X
	Yellowtail	X X X X X X X X X X
529	Barred sand bass	X X X X X X X X X X
	Cabazon	X X X X X X X X X
	California halibut	X X X X X X X X X X
	California market squid	X X X X X X X X X X
	California scorpionfish	X X X X X X X X X X
	California sheephead	X X X X X X X X X
	California spiny lobster	X X X X X X X
	Dover sole	X X X X X X X X X X
	Flatfish	X X X X X X X X X X
	Kelp bass	X X X X X X X X X X
	Lingcod	X X X X X X X
	Northern anchovy	X X X X X X X X X X
	Ocean whitefish	X X X X X X X X X
	Pacific angel shark	X X X X X X X X X X
	Pacific bonito	X X X X X X X X X X
	Pacific chub mackerel	X X X X X X X X X X
	Pacific sanddab	X X X X X X X X X X
	Pacific sardine	X X X X X X X X X X
	Ridgeback prawn	X X X X X X X
	Rock crabs	X X X X X X X X X X
	Rockfish	X X X X X X X X X X
	Sablefish	X X X X X X X X X X
	Sea cucumbers	X X X X X X X X X X
	Sea urchins	X X X X X X X X X X
	Shark	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 40 (cont.)

HUMAN USE RESOURCES: (cont.)

FISHERY AREA: (cont.)

HUN#	Name	J	F	M	A	M	J	J	A	S	O	N	D
529	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

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
614	GULL ISLAND MARINE RESERVE		
625	PAINTED CAVE MARINE CONSERVATION AREA		

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

NATURE CONSERVANCY:

HUN#	Name	Contact	Phone
768	SANTA CRUZ ISLAND	THE NATURE CONSERVANCY	805/642-0345