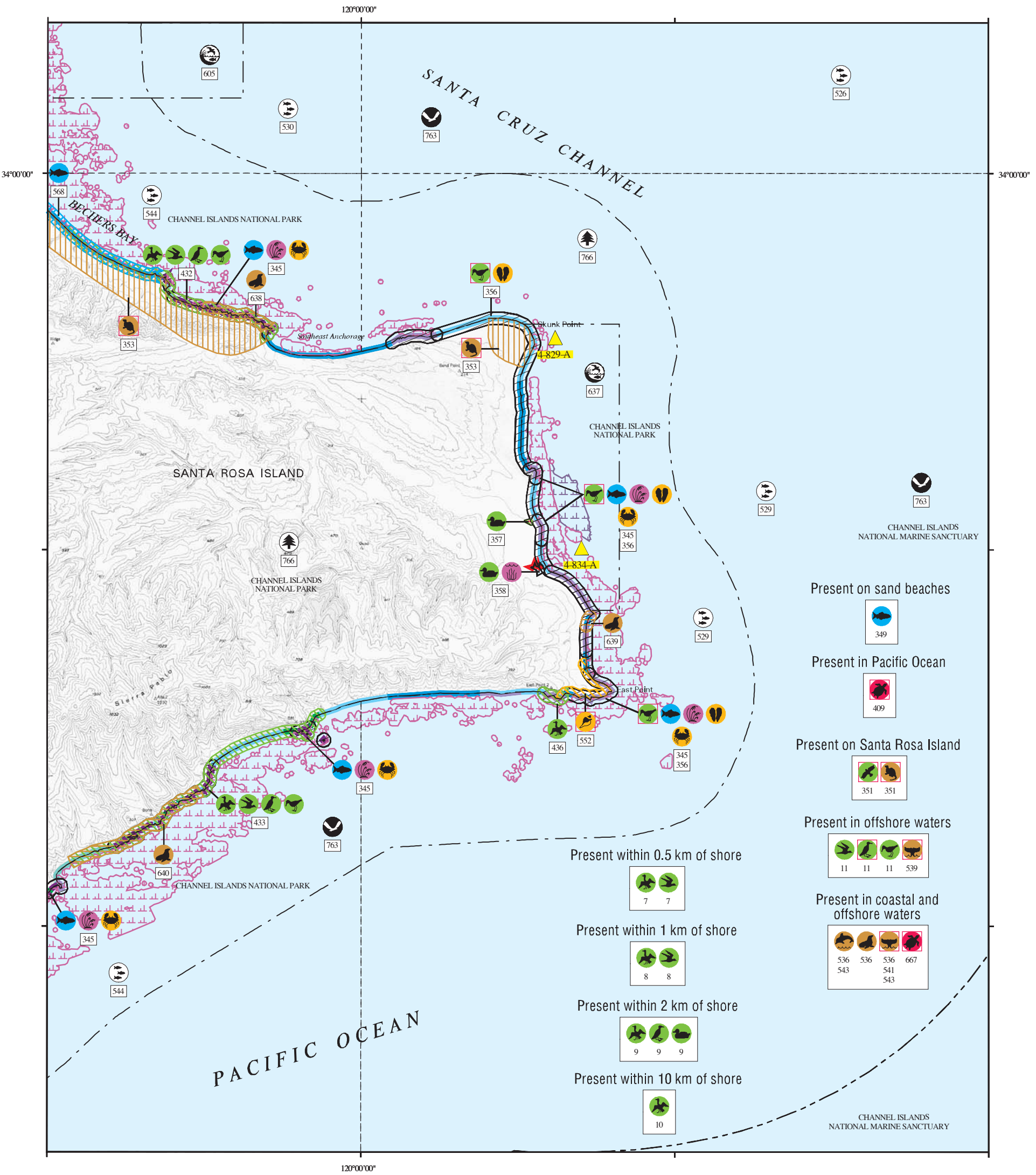


ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESI)

1A EXPOSED ROCKY SHORES	1B EXPOSED, SOLID, MAN-MADE STRUCTURES
2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK	3A FINE- TO MEDIUM-GRAINED SAND BEACHES
3B SCARPS AND STEEP SLOPES IN SAND	4 COARSE-GRAINED SAND BEACHES
5 MIXED SAND AND GRAVEL BEACHES	6A GRAVEL BEACHES
6D BOULDER RUBBLE	6B RIPRAP
7 EXPOSED TIDAL FLATS	8A SHELTERED ROCKY SHORES
8B SHELTERED, SOLID MAN-MADE STRUCTURES	8C SHELTERED RIPRAP
9A SHELTERED TIDAL FLATS	9B VEGETATED LOW BANKS
9C HYPERSALINE TIDAL FLATS	10A SALT-AND BRACKISH-WATER MARSHES
10B FRESHWATER MARSHES	10C SWAMPS
10D SCRUB-SHRUB WETLANDS	

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SCALE 1:50000

1 KILOMETER

1 MILE

1 NAUTICAL MILE

CALIFORNIA

CHANNEL ISLANDS

PACIFIC OCEAN

Southern California: ESIMAP 39

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 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	-	-	-
	Heermann's gull		X X X X X X X X X	-	-	-
9	Pigeon guillemot		X X X X X X X X X	-	-	-
	Surf scoter		X X X X X X X X X	-	-	-
	Western grebe		X 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 X	-	-	-
	Pelagic cormorant		X X X X X X X X X	-	-	-
11	Ashy storm-petrel	C	X X X X X X X X X	-	-	-
	Black-legged kittiwake		X X X X X X X X X	-	-	-
	Black-vented shearwater		X X X X X X X X X	-	-	-
	Cassin's auklet	C	X X X X X X X X X	-	-	-
	Northern fulmar		X X X X X X X X X	-	-	-
	Pink-footed shearwater		X X X X X X X X X	-	-	-
	Red phalarope		X X X X X X X X X	-	-	-
	Red-necked phalarope		X X 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 X X X X	-	-	-
	Western gull		X X X X X X X X X	-	-	-
	Xantus's murrelet	T	X X X X X X X X X	-	-	-
351	Bald eagle	E	X X X X X X X X X	-	-	-
	Osprey		X X X X X X X X X	-	-	-
	Peregrine falcon		X X X X X X X X X	-	-	-
356	Western snowy plover	C T 100 BIRDS	X X X X X X X X X	-	-	-
	Western snowy plover	C T 8-9 BIRDS	X X X X X X X X X	MAR-SEP	-	-
357	Waterfowl		X X X X X X X X X	-	-	-
358	Waterfowl		X X X X X X X X X	-	-	-
432	Black oystercatcher	2	X X X X X X X X X	MAR-SEP	-	-
	Brandt's cormorant		X X X X X X X X X	APR-JUN	-	-
	Pelagic cormorant	130	X X X X X X X X X	APR-JUN	-	-
	Pigeon guillemot	76	X X X X X X X X X	MAR-SEP	-	-
	Western gull	6	X X X X X X X X X	FEB-SEP	-	-
433	Black oystercatcher	2	X X X X X X X X X	MAR-SEP	-	-
	Brandt's cormorant	3	X X X X X X X X X	APR-JUN	-	-
	Double-crested cormorant	27	X X X X X X X X X	MAR-MAY	-	-
	Pelagic cormorant	62	X X X X X X X X X	APR-JUN	-	-
	Pigeon guillemot	8	X X X X X X X X X	MAR-SEP	-	-
	Western gull	4	X X X X X X X X X	FEB-SEP	-	-
436	Pelagic cormorant	4	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	-	-	-	-	-
349	California grunion	POSSIBLE RUNS	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	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
358	Eelgrass		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	-	-	-	-	-
356	Pismo clam		X X X X X X X X X	JUN-SEP	-	-	-	-
552	Black abalone	E	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
536	Bottlenose dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
	California sea lion	PRIMARY	X X X X X X X X X	-	-	-	AUG-SEP
	Dall's porpoise	PRIMARY	X X X X X X X X X	-	-	-	-
	Dall's porpoise	SECONDARY	X X X X X X X X X	-	-	-	-
	Killer whale	PRIMARY	X X X X X X X X X	-	-	-	-
	Minke whale	PRIMARY	X X X X X X X X X	-	-	-	-
	Northern right-whale dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
	Northern right-whale dolphin	SECONDARY	X X X X X X X X X	-	-	-	-
	Pacific white-sided dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
	Pacific white-sided dolphin	SECONDARY	X X X X X X X X X	-	-	-	-
	Risso's dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
	Short-beaked common dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
	Short-finned pilot whale	RARE	X X X X X X X X X	-	-	-	-
	Striped dolphin	RARE	X X X X X X X X X	-	-	-	-
539	Baird's beaked whale	SECONDARY	X X X X X X X X X	-	-	-	-
	Cuvier's beaked whale	SECONDARY	X X X X X X X X X	-	-	-	-
	Mesoplodont beaked whales	SECONDARY	X X X X X X X X X	-	-	-	-
	Sperm whale	E SECONDARY	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 X X X 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 X X X X X X	-	-	-	-
	Humpback whale	E PRIMARY	X X X X X X X X X	-	-	-	-
	Humpback whale	E SECONDARY	X X X X X X 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 X X X X X	-	-	-	-
	Gray whale	RARE	X X X X X X X X X	-	-	-	-
	Gray whale	SECONDARY	X X X X X X X X X	-	-	-	-
	Long-beaked common dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
638	Pacific harbor seal	28-44 INDIV.	X X X X X X X X X	-	-	-	MAY-JUL
639	California sea lion		X X X X X X X X X	-	-	-	AUG-SEP
	Pacific harbor seal	31 INDIV.	X X X X X X X X X	-	-	-	MAY-JUL
640	Pacific harbor seal	97-214 INDIV.	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	-	-	-	-	-
667	Leatherback sea turtle	E PRIMARY	X X X X 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
351	Santa Rosa island fox	T E	X X X X X X X X X
353	Channel Islands spotted skunk	C	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 39 (cont.)

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
4-829-A	Santa Rosa Island, Skunk Point Area	CDF&G OSPR
4-834-A	Santa Rosa Island, Lagoon (East Side)	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	X	X
	Cabazon		X	X	X	X	X	X	X	X	X	X	X
	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 scorpionfish	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
	California spiny lobster	X	X	X					X	X	X	X	X
	Dover sole	X	X	X	X	X	X	X	X	X	X	X	X
	Flatfish	X	X	X	X	X	X	X	X	X	X	X	X
	Kelp bass	X	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	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	X
	Pacific bonito	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
	Ridgeback prawn	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
	Sheep crab	X	X	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	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
529	Barred sand bass	X	X	X	X	X	X	X	X	X	X	X	X
	Cabazon		X	X	X	X	X	X	X	X	X	X	X
	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 scorpionfish	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
	California spiny lobster	X	X	X					X	X	X	X	X
	Dover sole	X	X	X	X	X	X	X	X	X	X	X	X
	Flatfish	X	X	X	X	X	X	X	X	X	X	X	X
	Kelp bass	X	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	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	X
	Pacific bonito	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
	Ridgeback prawn	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
	Sheep crab	X	X	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	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
530	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 scorpionfish	X	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	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
	Dover sole	X	X	X	X	X	X	X	X	X	X	X	X
	Flatfish	X	X	X	X	X	X	X	X	X	X	X	X
	Kelp bass	X	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	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	X
	Pacific bonito	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 sardine	X	X	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	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
	Sheep crab	X	X	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	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

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 39 (cont.)

HUMAN USE RESOURCES: (cont.)

FISHERY AREA: (cont.)

HUN#	Name	J	F	M	A	M	J	J	A	S	O	N	D
544	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 scorpionfish	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
	California spiny lobster	X	X	X					X	X	X	X	
	Dover sole	X	X	X	X	X	X	X	X	X	X	X	X
	Kelp bass	X	X	X	X	X	X	X	X	X	X	X	X
	Lingcod			X	X	X	X	X	X	X	X	X	
	Northern anchovy	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
	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 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
	Ridgeback prawn	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
	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	
	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

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
605	CARRINGTON POINT MARINE RESERVE		
637	SKUNK POINT 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