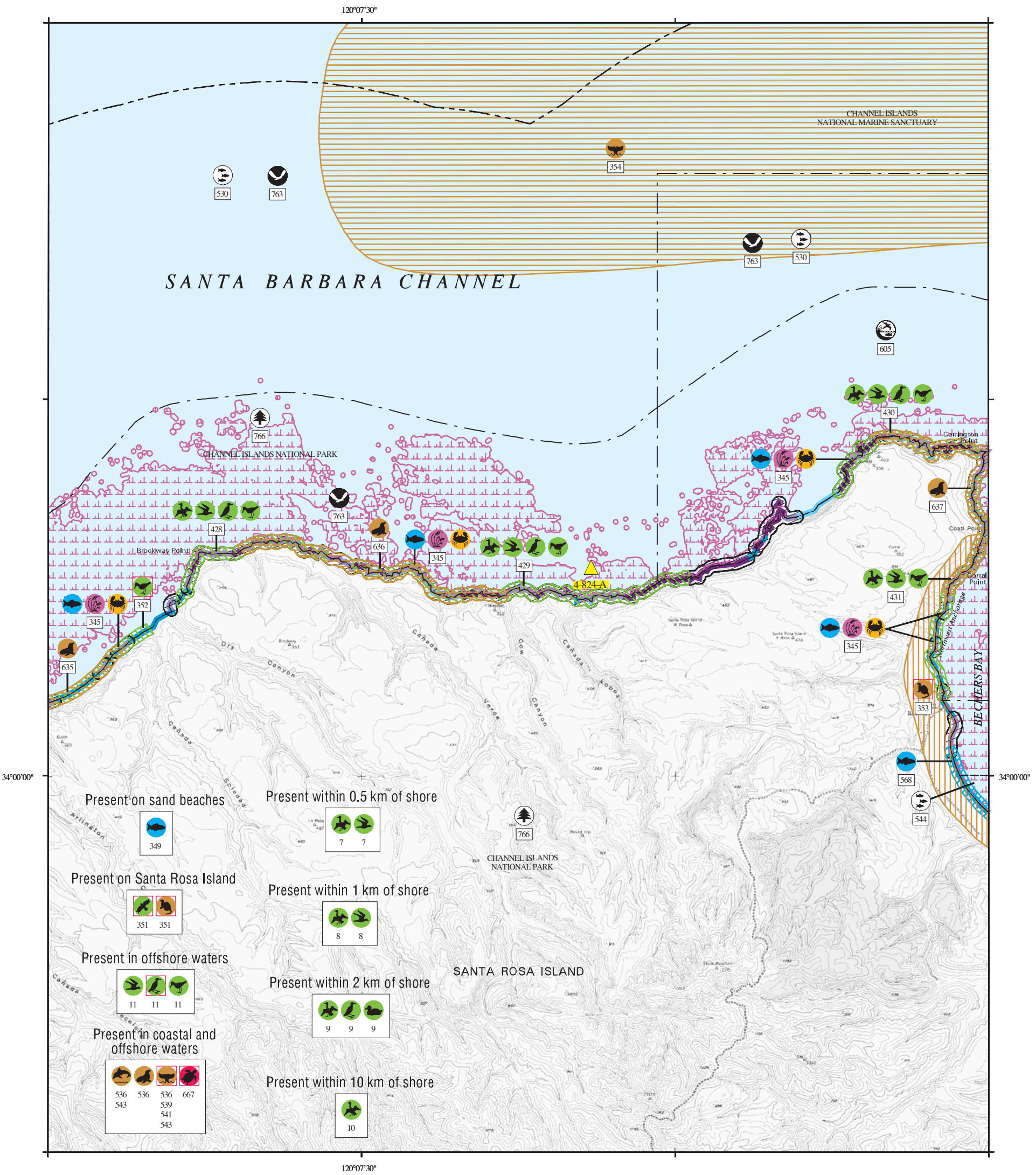
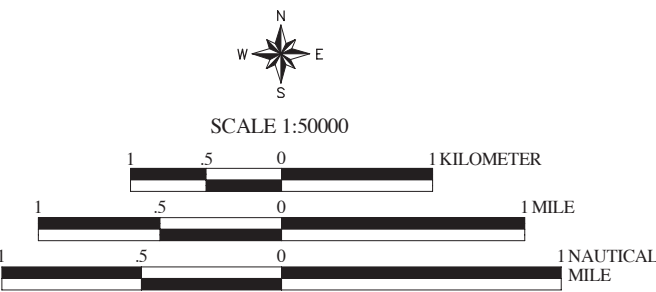


ENVIRONMENTAL SENSITIVITY INDEX MAP

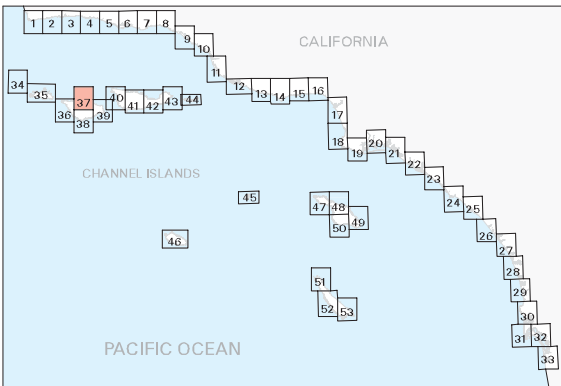


SHORELINE HABITATS (ESI)

- 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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National Ocean Service
Office of Response and Restoration
Emergency Response Division



Southern California: ESIMAP 37

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	-	-	-
352	Western snowy plover	C T 4 BIRDS	X X X X X X X X X	MAR-SEP	-	-
428	Black oystercatcher	4	X X X X X X X X X	MAR-SEP	-	-
	Pelagic cormorant	108	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	10	X X X X X X X X X	FEB-SEP	-	-
429	Black oystercatcher	3	X X X X X X X X X	MAR-SEP	-	-
	Brandt's cormorant	2030	X X X X X X X X X	APR-JUN	-	-
	Pelagic cormorant	444	X X X X X X X X X	APR-JUN	-	-
	Pigeon guillemot	65	X X X X X X X X X	MAR-SEP	-	-
	Western gull	26	X X X X X X X X X	FEB-SEP	-	-
430	Black oystercatcher	4	X X X X X X X X X	MAR-SEP	-	-
	Brandt's cormorant	877	X X X X X X X X X	APR-JUN	-	-
	Brown pelican	14	X X X X X X X X X	-	-	-
	Pelagic cormorant	47	X X X X X X X X X	APR-JUN	-	-
	Pigeon guillemot	130	X X X X X X X X X	MAR-SEP	-	-
	Western gull	36	X X X X X X X X X	FEB-SEP	-	-
431	Black oystercatcher	2	X X X X X X X X X	MAR-SEP	-	-
	Pelagic cormorant	24	X X X X X X X X X	APR-JUN	-	-
	Western gull	34	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
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

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	-	-	-	-	-

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 X	-	-	-	-
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	-	-	-	-
635	Northern elephant seal	11 INDIV.	X X X X X X X X X	-	-	-	MAR-AUG
636	Pacific harbor seal	108-220 INDIV.	X X X X X X X X X	-	-	FEB-MAY	MAY-JUL
637	Pacific harbor seal	25-50 INDIV.	X X X X X X X X X	-	-	FEB-MAY	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
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
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 37 (cont.)

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
4-824-A	Santa Rosa Island, North Area	CDF&G OSPR

FISHERY AREA:

HUN#	Name	J	F	M	A	M	J	J	A	S	O	N	D
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
	California spiny lobster	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	
	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
	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	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
	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	
	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
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
	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
	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
	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	
	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		

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