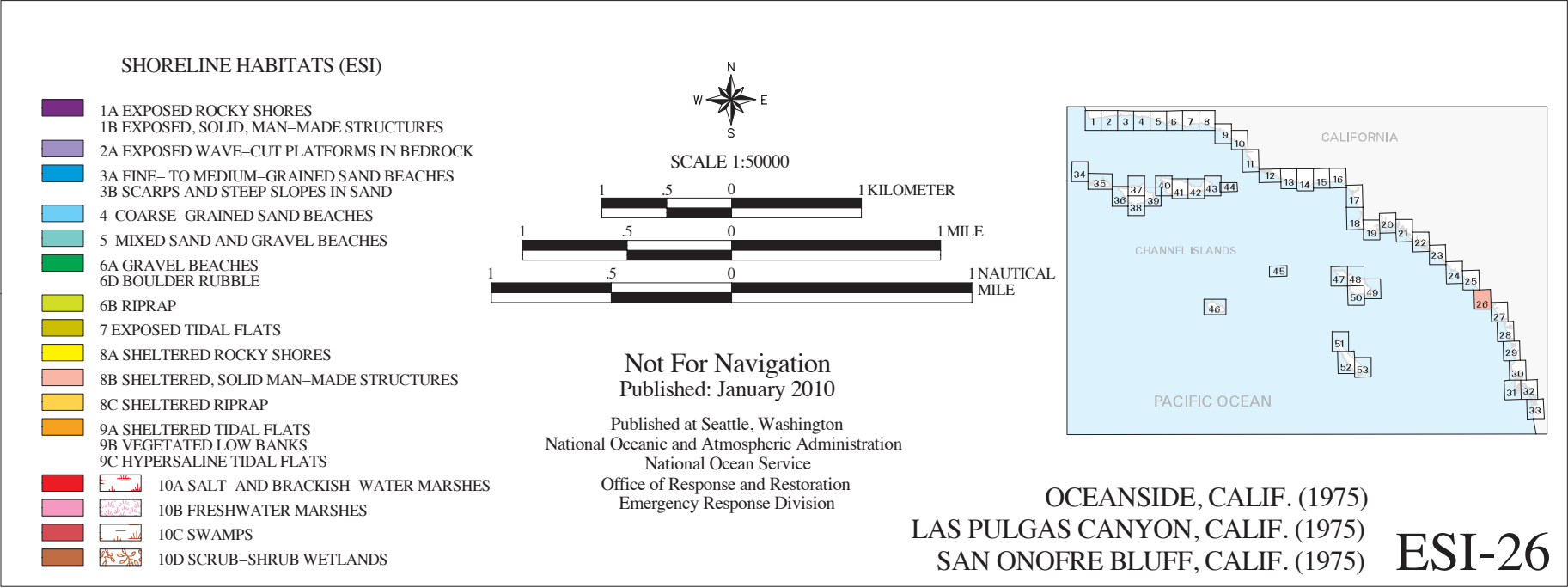
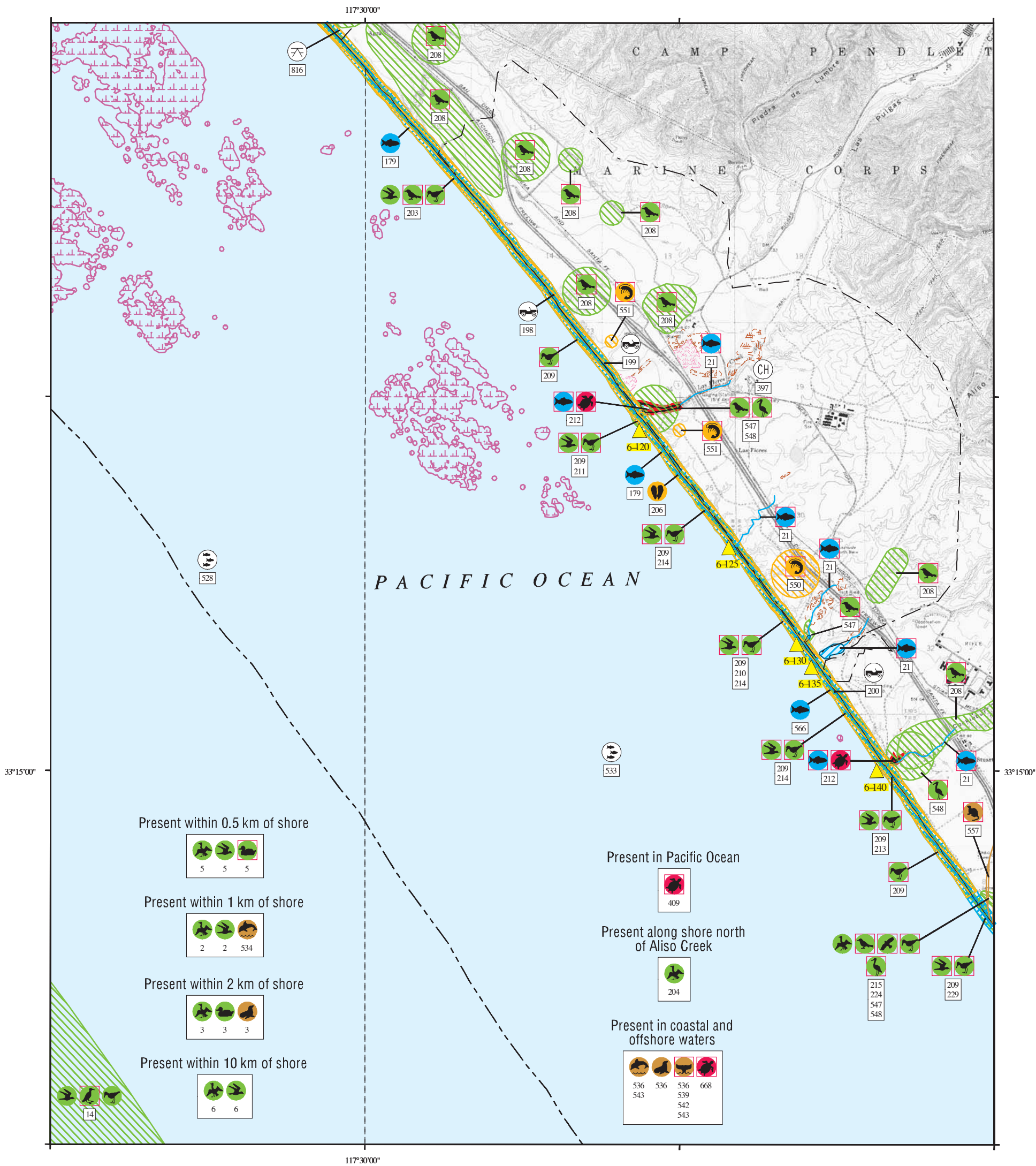


ENVIRONMENTAL SENSITIVITY INDEX MAP



Southern California: ESIMAP 26

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Migrating	Molting
2	California gull		X X X X X X X X X	-	-	-
	Caspian tern		X X X X X X 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	-	-	-
3	Surf scoter		X X X X X X X X	-	-	-
	Western grebe		X X X X X X X X	-	-	-
5	Brant	C	X X X X X X X X	-	-	-
	Elegant tern		X X X X X X X X X X	-	-	-
	Forster's tern		X X X X X X X X X X X	-	-	-
	Least tern		X X X X X X X X	-	-	-
	Pacific loon		X X X X X X X X X X	-	-	-
	Red-throated loon		X X X X X X X X	-	-	-
	Ring-billed gull		X X X X X X X X X	-	-	-
	Royal tern		X X X X X X X X X X X	-	-	-
6	Brandt's cormorant		X X X X X X X X X	-	-	-
	Brown pelican		X X X X X X X X X X X	-	-	-
	Western gull		X X X X X X X X X X X	-	-	-
14	Alcids		X X X X X X X X	-	-	-
	Ashy storm-petrel	C	X X X X X X X X X X X	-	-	-
	Black-legged kittiwake		X X X X X X X X	-	-	-
	Black-vented shearwater		X X X X X X X X X	-	-	-
	Bonaparte's gull		X X X X X X X X X X	-	-	-
	Brown booby		X X X X X X X X X X X	-	-	-
	Cassin's auklet	C	X X X X X X X X X X	-	-	-
	Common tern		X X X X X X X X X	-	-	-
	Jaegers		X X X X X X X X X X X	-	-	-
	Pink-footed shearwater		X X X X X X X X	-	-	-
	Red phalarope		X X X X X X X X	-	-	-
	Red-necked phalarope		X X X X X X X X	-	-	-
	Rhinoceros auklet		X X X X X X X X X X	-	-	-
	Sooty shearwater		X X X X X X X X X	-	-	-
	Xantus's murrelet	T	X X X X X X X X X X X	MAR-JAN	-	-
203	Belding's savannah sparrow	E	X X X X X X X X X X X	-	-	-
	California horned lark		X X X X X X X X X X X	-	-	-
	Gulls		X X X X X X X X X X X	-	-	-
	Killdeer		X X X X X X X X X X X	MAR-SEP	-	-
	Least sandpiper		X X X X X X X X X X	-	-	-
	Marbled godwit		X X X X X X X X X X X	-	-	-
	Sanderling		X X X X X X X X X X X	-	-	-
	Terns		X X X X X X X X X X X	-	-	-
	Western sandpiper		X X X X X X X X X X X	-	-	-
	Western snowy plover	C T 11-63 BIRDS	X X X X X X X X X X	-	-	-
	Willet		X X X X X X X X X X X	-	-	-
204	Brown pelican	0-75 BIRDS	X X X X X X X X X	-	-	-
208	Coastal California gnatcatcher	T	X X X X X X X X X X X	MAR-OCT	-	-
209	Western snowy plover	C T 34-127 BIRDS	X X X X X X X X	MAR-SEP	-	-
210	Western snowy plover	C T 0-144 BIRDS	X X X X X X X X	-	-	-
211	California least tern	E E 5 PAIRS	X X X X X X X X	APR-SEP	-	-
213	California least tern	E E 1 PAIR	X X X X X X X X	APR-SEP	-	-
214	California least tern	E E 114 PAIRS	X X X X X X X X	APR-SEP	-	-
215	Bald eagle	E	X X X X X X X X X X X	-	-	-
	Brown pelican	0-99 BIRDS	X X X X X X X X X	-	-	-
	Osprey		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	-	-	-
	Yellow-billed cuckoo	E	X X X X X X X X	-	-	-
224	Coastal California gnatcatcher	T	X X X X X X X X X X X	MAR-OCT	-	-
	Least Bell's vireo	E E 100S OF PAIRS	X X X X X X X X	MAR-AUG	-	-
229	California least tern	E E 1484 PAIRS	X X X X X X X X	APR-SEP	-	-
547	Belding's savannah sparrow	E	X X X X X X X X X X X	MAR-MAY	-	-
548	Light-footed clapper rail	E E	X X X X X X X X X X X	FEB-JUL	-	-

FISH:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
21	Tidewater goby	C E	X X X X X X X X X X X	APR-JUN	-	-	-	-
179	California grunion	CONSISTENT RUNS	X X X X X X X X X X X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC
212	Tidewater goby	C E	X X X X X X X X X X X	APR-JUN	-	-	-	-
566	California grunion	OCCASIONAL LARGE RUN	X X X X X X X X X X X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC

INVERTEBRATE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
206	Pismo clam		X X X X X X X X X X X	JUN-SEP	-	-	-	-
550	Riverside fairy shrimp	E	X X X X X X X X	-	JAN-MAR	-	-	-
551	San Diego fairy shrimp	E	X X X X X X X X	JAN-MAR	-	-	-	-

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	-	-	-	-
534	Bottlenose dolphin	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 X X X	-	-	-	-
	Dall's porpoise	SECONDARY	X X 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 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 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 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	-	-	-	-
539	Baird's beaked whale	SECONDARY	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	-	-	-	-
	Mesoplodont beaked whales	SECONDARY	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	-	-	-	-
542	Blue whale	E PRIMARY	X X X X X X X X	-	-	-	-
	Blue whale	E RARE	X X X X X X X X	-	-	-	-
	Blue whale	E SECONDARY	X X X X X X X X X	-	-	-	-
	Bryde's whale	RARE	X X X X X X X X X X X	-	-	-	-
	Fin whale	E RARE	X X X X X X X X X X X	-	-	-	-
	Humpback whale	E RARE	X X X X X X X X X X X	-	-	-	-
	North Pacific right whale	E RARE	X X X X X X X X X X X	-	-	-	-
543	Gray whale	PRIMARY	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 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 26 (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	Long-beaked common dolphin	PRIMARY	X X X X X X 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
212	Southwestern pond turtle	C	X X X X X X X X X X X X	-	-	-	-	-
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

TERRESTRIAL MAMMAL:

RAR#	Species	S F Conc.	J F M A M J J A S O N D
557	Pacific pocket mouse	C E	X X X X X X X X X X X X

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
6-120	Las Flores Creek	CDF&G OSPR
6-125	Hidden Creek	CDF&G OSPR
6-130	Aliso Canyon Creek	CDF&G OSPR
6-135	French Canyon Creek	CDF&G OSPR
6-140	Cockleburrr Canyon	CDF&G OSPR

ACCESS:

HUN#	Name	Contact	Phone
198	SD-B-1209 CAMP PENDLETON	COMMAND DUTY OFFICER CAMP PENDLETON	760/725-5061
199	SD-B-1309 CAMP PENDLETON	COMMAND DUTY OFFICER CAMP PENDLETON	760/725-5061
200	SD-B-1409 CAMP PENDLETON	COMMAND DUTY OFFICER CAMP PENDLETON	760/725-5061

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
397	CRITICAL HABITAT: SAN DIEGO FAIRY SHRIMP	U.S. FISH AND WILDLIFE SERVICE	760/431-9440

FISHERY AREA:

HUN#	Name	J F M A M J J A S O N D
528	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
	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 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
	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
	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 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
	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
	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
533	Barred sand bass	X 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 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
	Kelp bass	X 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 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
	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 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
	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

PARK:

HUN#	Name	Contact	Phone
816	SAN ONOFRE SB	ORANGE COAST DIST. CA STATE PARKS	949/492-4872