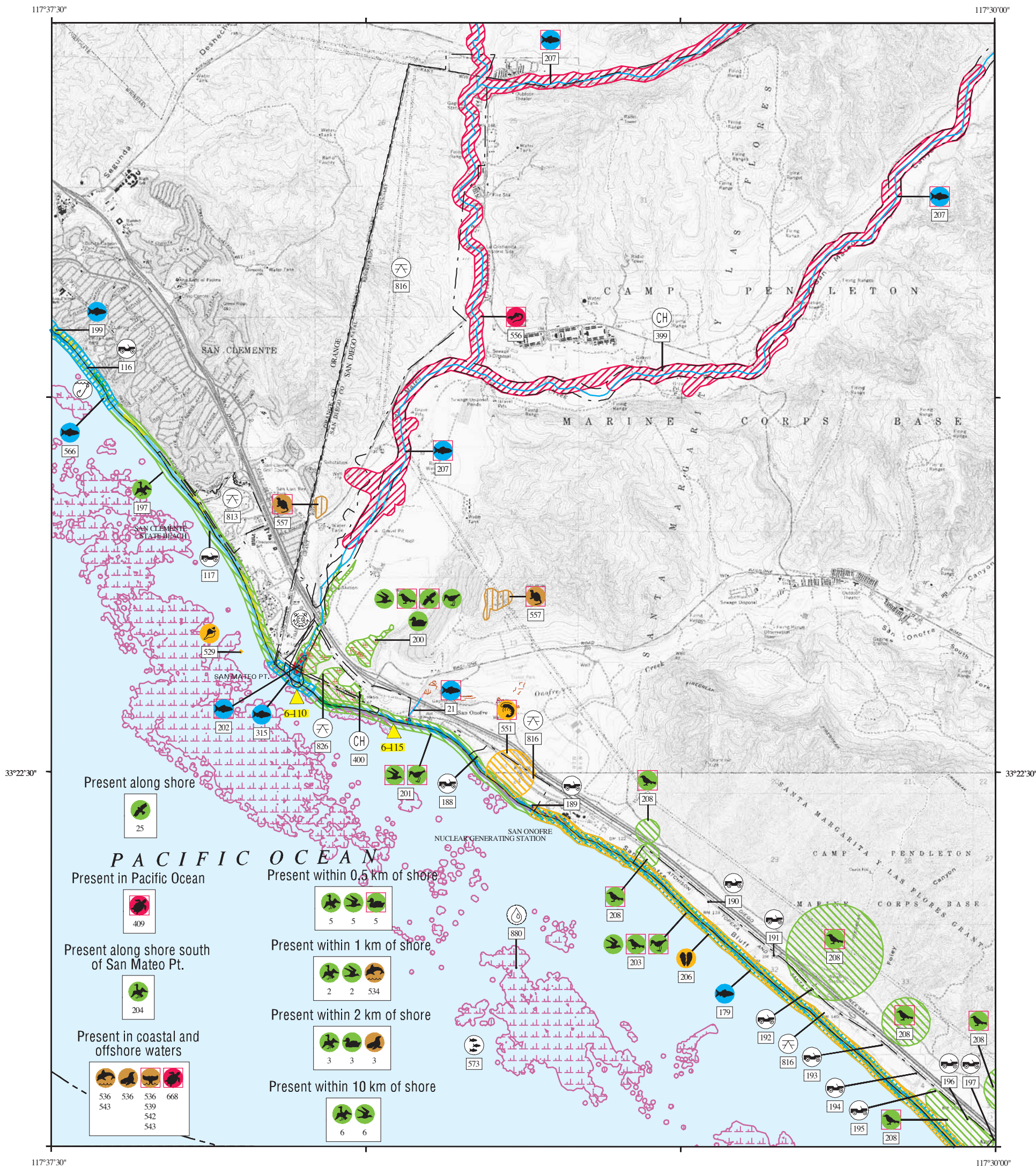


ENVIRONMENTAL SENSITIVITY INDEX MAP

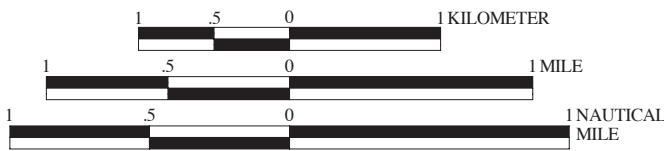


SHORELINE HABITATS (ESI)

- 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

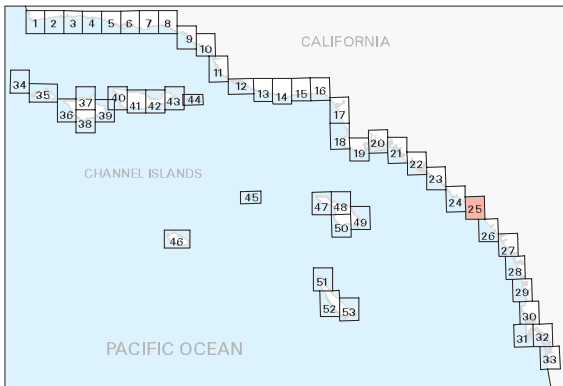


SCALE 1:50000



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National Ocean Service
Office of Response and Restoration
Emergency Response Division



SAN ONOFRE BLUFF, CALIF. (1975)
SAN CLEMENTE, CALIF. (1975)

ESI-25

Southern California: ESIMAP 25

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	-	-	-
5	Brant	C	X X X X X X X	-	-	-
	Elegant tern		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	-	-	-
	Pacific loon		X X X X X X X X X	-	-	-
	Red-throated loon		X X X X X X	-	-	-
	Ring-billed gull		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	-	-	-
	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	-	-	-
25	Peregrine falcon		X X X X X X X X	-	-	-
197	Brown pelican	0-14 BIRDS	X X X X X X X X	-	-	-
200	Bald eagle	E	X X X X X X X X X X X	-	-	-
	Ducks		X X X X X X X X X X	-	-	-
	Gulls		X X X X X X X X X X X	-	-	-
	Large-billed savannah sparrow	C	X X X X X X X X	-	-	-
	Osprey		X X X X X X X X X X	-	-	-
	Shorebirds		X X X X X X X X X X X	-	-	-
201	California least tern	E E	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	-	-	-
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	-	-	-
	Sanderling		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	-	-	-
208	Coastal California gnatcatcher	T	X X X X X X X X X X X	MAR-OCT	-	-

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
199	California grunion	POTENTIAL	X X X X X X X X X X X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC
202	Steelhead	C E	X X X X X X X X X X X	DEC-APR	JAN-MAY	-	JAN-DEC	DEC-APR
	Tidewater goby	C E	X X X X X X X X X X X	APR-JUN	-	-	-	-
207	Steelhead	C E	X X X X X X X X X X X	DEC-APR	JAN-MAY	-	JAN-DEC	DEC-APR
315	California grunion	OCCASIONAL RUNS	X X X X X X X X X X X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC
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	-	-	-	-
529	Abalone		X X X X X X X X X X X	-	-	-	-	-
551	San Diego fairy shrimp	E	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	-	-	-	-
	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	-	-	-	-
	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	-	-	-	-
	Northern right-whale dolphin	SECONDARY	X X 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 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	-	-	-	-
	Blue whale	E RARE	X X X X X	-	-	-	-
	Blue whale	E SECONDARY	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	-	-	-	-
	Gray whale	RARE	X X X X X X	-	-	-	-
	Gray whale	SECONDARY	X X X X X X X	-	-	-	-
	Long-beaked common dolphin	PRIMARY	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	Internesting	Juveniles	Adults
409	Loggerhead sea turtle	T RARE	X X X X X X X X X X X	-	-	-	-	-
556	Arroyo toad	C E	X X X X X X X	MAR-JUL	-	-	-	-
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

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 25 (cont.)

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
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6-110	San Mateo Creek	CDF&G OSPR
6-115	San Onofre Creek	CDF&G OSPR

ACCESS:

HUN#	Name	Contact	Phone
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116	OR-E-1450 SAN CLEMENTE PIER	CITY OF SAN CLEMENTE, MARINE SAFETY	949/361-8219
117	OR-E-1460 SAN CLEMENTE STATE BEACH	ORANGE COAST DIST. CA STATE PARKS	949/492-0802
188	SD-A-1016 SAN ONOFRE STATE BEACH NORTH	ORANGE COAST DIST. CA STATE PARKS	949/492-0802
189	SD-A-1026 SAN ONOFRE STATE BEACH MIDDLE	ORANGE COAST DIST. CA STATE PARKS	949/492-0802
190	SD-A-2016 SAN ONOFRE STATE BEACH S. TR-1	ORANGE COAST DIST. CA STATE PARKS	949/492-0802
191	SD-A-2026 SAN ONOFRE STATE BEACH S. TR-2	ORANGE COAST DIST. CA STATE PARKS	949/492-0802
192	SD-A-2036 SAN ONOFRE STATE BEACH S. TR-3	ORANGE COAST DIST. CA STATE PARKS	949/492-0802
193	SD-A-2046 SAN ONOFRE STATE BEACH S. TR-4	ORANGE COAST DIST. CA STATE PARKS	949/492-0802
194	SD-A-2056 SAN ONOFRE STATE BEACH S. TR-5	ORANGE COAST DIST. CA STATE PARKS	949/492-0802
195	SD-A-2066 SAN ONOFRE STATE BEACH N. TR-6	ORANGE COAST DIST. CA STATE PARKS	949/492-0802
196	SD-A-2076 SAN ONOFRE STATE BEACH S. TR-6	ORANGE COAST DIST. CA STATE PARKS	949/492-0802
197	SD-B-1109 CAMP PENDLETON	COMMAND DUTY OFFICER CAMP PENDLETON	760/725-5061

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
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399	CRITICAL HABITAT: STEELHEAD	NATIONAL MARINE FISHERIES SERVICE	562/980-4000
400	CRITICAL HABITAT: WESTERN SNOWY PLOVER	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
----	-----	-	-	-	-	-	-	-	-	-	-	-	-
573	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		
	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
	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
	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 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
	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
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813	SAN CLEMENTE SB	ORANGE COAST DIST. CA STATE PARKS	949/492-3156
816	SAN ONOFRE SB	ORANGE COAST DIST. CA STATE PARKS	949/492-4872
826	TRESTLES WETLANDS NP	SAN ONOFRE STATE BEACH)STATE PARKS)	949/492-4872

WATER INTAKE:

HUN#	Name	Contact	Phone
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880	SONGS UNIT	SOUTHERN CALIFORNIA EDISON CO.	