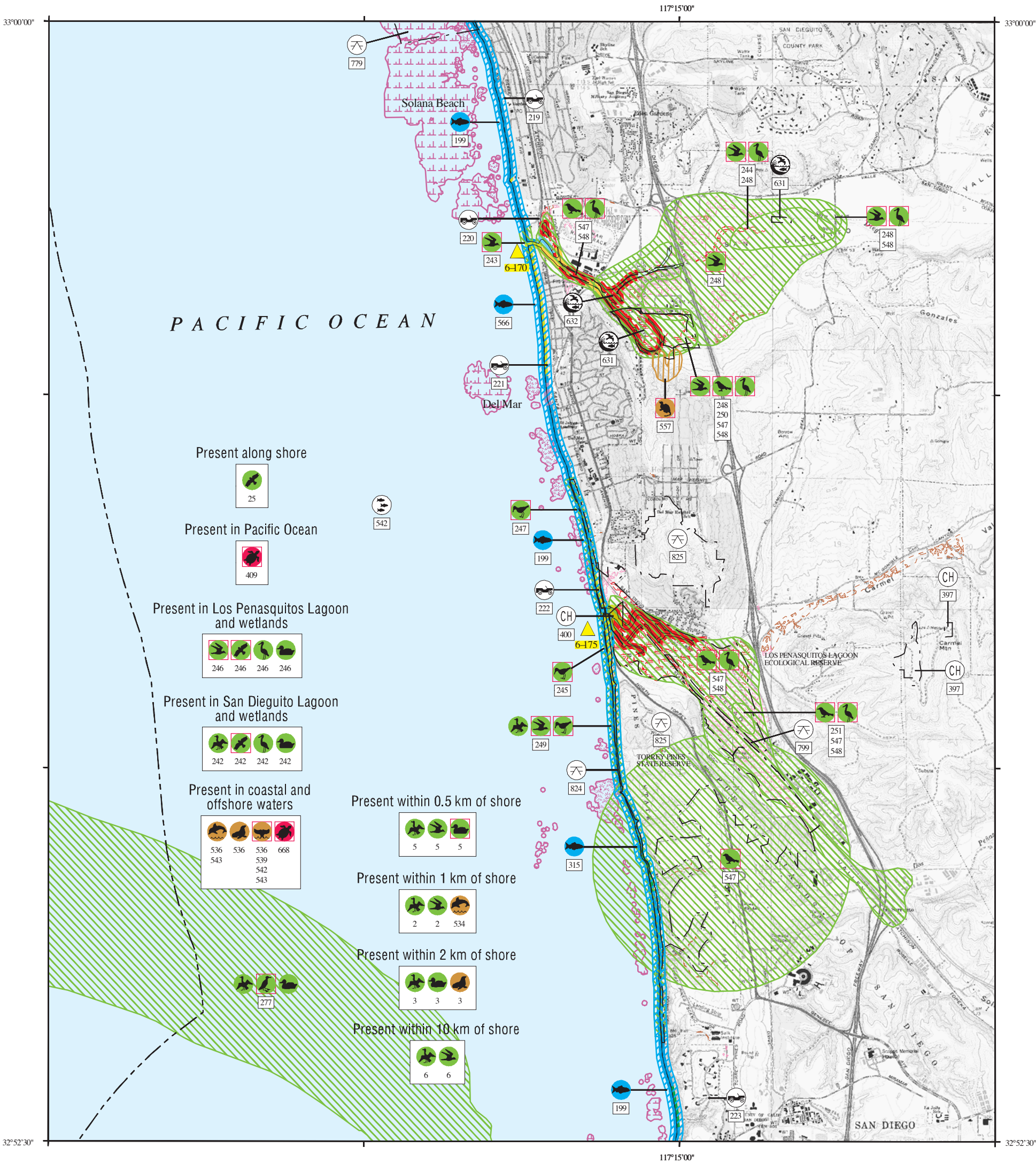


ENVIRONMENTAL SENSITIVITY INDEX MAP



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:

SCALE 1:50000

1 KILOMETER

1 MILE

1 NAUTICAL MILE

Not For Navigation
Published: January 2010

Published at Seattle, Washington
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Response and Restoration
Emergency Response Division

Map of California:

CALIFORNIA

CHANNEL ISLANDS

PACIFIC OCEAN

Southern California: ESIMAP 29

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	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	-	-	-
3	Surf scoter		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	-	-	-
	Forster's tern		X	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	-	-	-
	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	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	X	-	-	-
	Western gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
25	Peregrine falcon		X	X	X	X					X	X	X	X	-	-	-
242	American wigeon		X	X	X	X						X	X	X	-	-	-
	Bald eagle	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Brown pelican				X	X	X	X	X	X	X	X	X		-	-	-
	Bufflehead		X	X	X	X					X	X	X		-	-	-
	Canada goose		X	X	X						X	X	X		-	-	-
	Canvasback		X	X	X						X	X	X		-	-	-
	Double-crested cormorant		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Eared grebe		X	X	X	X					X	X	X		-	-	-
	Egrets		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Gadwall		X	X	X	X					X	X	X		-	-	-
	Greater white-fronted goose		X	X	X						X	X	X		-	-	-
	Grebes		X	X	X	X					X	X	X		-	-	-
	Green-winged teal			X	X	X	X	X							-	-	-
	Hérons		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Lesser scaup		X	X	X	X					X	X	X		-	-	-
	Mallard		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Northern pintail		X	X	X						X	X	X	X	-	-	-
	Northern shoveler		X	X	X	X				X	X	X	X	X	-	-	-
	Osprey		X	X	X	X	X			X	X	X	X	X	-	-	-
	Redhead		X	X	X	X				X	X	X	X	X	-	-	-
	Ross's goose		X	X	X						X	X	X		-	-	-
	Ruddy duck		X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Snow goose		X	X							X	X	X		-	-	-
	Teals		X	X	X	X				X	X	X	X	X	-	-	-
	Western grebe		X	X	X	X	X				X	X	X		-	-	-
243	California least tern	E E			X	X	X	X	X	X					-	-	-
244	Sandhill crane	C			X	X					X	X	X		-	-	-
245	Western snowy plover	C T 0-50 BIRDS			X	X	X	X		X	X	X	X	X	-	-	-
246	American wigeon				X	X	X	X				X	X	X	-	-	-
	Bald eagle	E			X	X	X	X	X	X	X	X	X	X	-	-	-
	Bufflehead				X	X	X	X				X	X	X	-	-	-
	California least tern	E E			X	X	X	X	X	X					-	-	-
	Canvasback				X	X	X					X	X	X	-	-	-
	Ducks				X	X	X	X	X	X	X	X	X	X	-	-	-
	Egrets				X	X	X	X	X	X	X	X	X	X	-	-	-
	Gadwall				X	X	X	X				X	X	X	-	-	-
	Hérons				X	X	X	X	X	X	X	X	X	X	-	-	-
	Lesser scaup				X	X	X	X				X	X	X	-	-	-
	Northern pintail				X	X	X				X	X	X	X	-	-	-
	Northern shoveler				X	X	X	X			X	X	X	X	-	-	-
	Osprey				X	X	X	X	X		X	X	X	X	-	-	-
	Redhead				X	X	X	X			X	X	X	X	-	-	-
	Ruddy duck				X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Teals				X	X	X	X			X	X	X	X	-	-	-
247	Western snowy plover	C T 0-40 BIRDS			X	X	X	X		X	X	X	X	X	-	-	-
248	California least tern	E E POTENTIAL			X	X	X	X	X	X					APR-SEP	-	-
249	Black-bellied plover				X	X	X	X		X	X	X	X	X	-	-	-
	Brown pelican				X	X	X	X	X	X	X	X	X		-	-	-
	California least tern	E E			X	X	X	X	X	X					-	-	-
	Least sandpiper				X	X	X	X		X	X	X	X	X	-	-	-
	Royal tern				X	X						X	X		-	-	-
	Sanderling				X	X	X	X	X	X	X	X	X	X	-	-	-
	Semipalmated plover				X	X	X	X	X	X	X	X	X	X	-	-	-
	Western sandpiper				X	X	X	X	X	X	X	X	X	X	-	-	-
	Western snowy plover	C T			X	X	X	X		X	X	X	X	X	-	-	-
	Willet				X	X	X	X	X	X	X	X	X	X	-	-	-
250	Great blue heron				X	X	X	X	X	X	X	X	X	X	FEB-JUL	-	-
	Great egret				X	X	X	X	X	X	X	X	X	X	FEB-JUL	-	-
	Snowy egret				X	X	X	X	X	X	X	X	X	X	FEB-JUL	-	-
251	Least Bell's vireo	E E			X	X	X	X	X	X					MAR-AUG	-	-
277	Alcids				X	X	X	X	X						-	-	-
	Cormorants				X	X	X	X	X	X	X	X	X	X	-	-	-
	Pelicans					X	X	X	X	X					-	-	-
	Sea ducks				X	X	X	X			X	X	X		-	-	-
	Seabirds	EXTREMELY HIGH			X	X	X	X	X	X	X	X	X	X	-	-	-
	Shearwaters				X	X	X	X	X	X	X	X	X	X	-	-	-
	Storm-petrels				X	X	X	X	X	X	X	X	X	X	-	-	-
	Xantus's murrelet	T			X	X	X								-	-	-
547	Belding's savannah sparrow	E			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	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
199	California grunion	POTENTIAL	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC
315	California grunion	OCCASIONAL RUNS	X	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	X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC

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	X	-	-	-	-
534	Bottlenose dolphin	PRIMARY	X	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	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			-	-	-	-
	Dall's porpoise	SECONDARY					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	-	-	-	-
	Northern right-whale dolphin	PRIMARY	X	X	X	X						X			-	-	-	-
	Northern right-whale dolphin	SECONDARY					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 29 (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	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	-	-	-	-
	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	-	-	-
	Blue whale	E RARE	X X X		X	-	-
	Blue whale	E SECONDARY		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		-	-	-
	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	-	-	-	-

REPTILE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Hatching	Interesting	Juveniles	Adults
409	Loggerhead sea turtle	T RARE	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

=====

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
6-170	San Dieguito Lagoon	CDF&G OSPR
6-175	Los Penasquitos Lagoon	CDF&G OSPR

ACCESS:

HUN#	Name	Contact	Phone
219	SD-D-2024 FLETCHER COVE	CITY OF SOLANA BEACH	858/755-1569
220	SD-D-2034 JAMES BLUFF SCRIPPS PRESERVE	DEL MAR LIFE GUARDS	858/755-1556
221	SD-D-3014 POWERHOUSE PARK	DEL MAR LIFE GUARDS	858/755-1556
222	SD-D-4016 TORREY PINES STATE BEACH	TORREY PINES	858/755-2063
223	SD-D-4024 TORREY PINES CITY BEACH	TORREY PINES	858/755-2063

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
397	CRITICAL HABITAT: SAN DIEGO FAIRY SHRIMP	U.S. FISH AND WILDLIFE SERVICE	760/431-9440
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
542	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
	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
	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
	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	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	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

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
631	SAN DIEGUITO LAGOON ER	CDFG RESERVE MANAGER	858/476-4204
632	SAN DIEGUITO LAGOON MARINE PARK	CAL NATURAL RESOURCES AGENCY	916/654-1885

PARK:

HUN#	Name	Contact	Phone
779	CARDIFF SB	CARDIFF STATE BEACH	760/753-5091
799	LOS PENASQUITOS MARSH NP	TORREY PINES	858/755-2063
824	TORREY PINES SB	TORREY PINES	858/755-2063
825	TORREY PINES SNR	TORREY PINES	858/755-2063

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