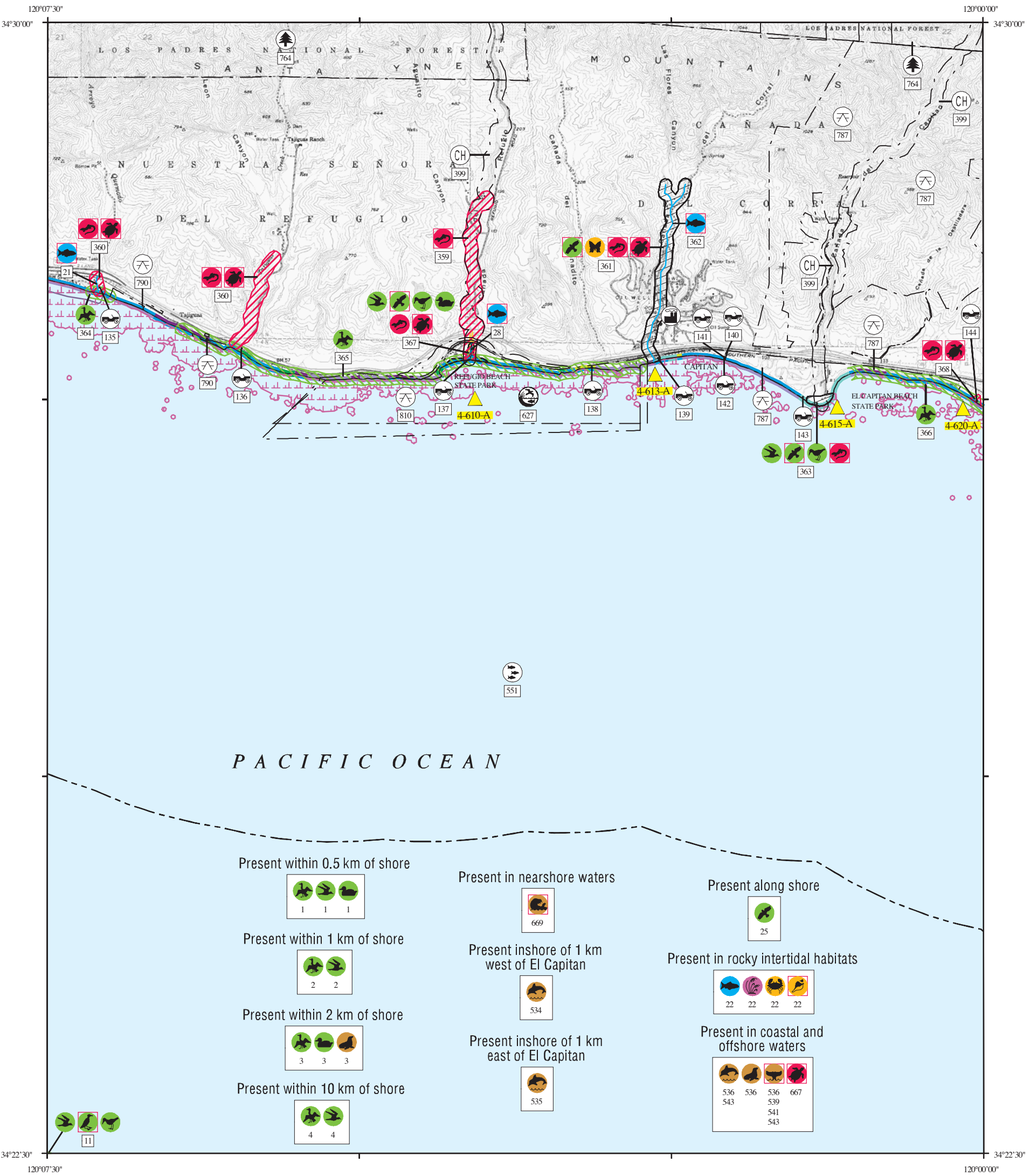


ENVIRONMENTAL SENSITIVITY INDEX MAP



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

CALIFORNIA

CHANNEL ISLANDS

PACIFIC OCEAN

Southern California: ESIMAP 4

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
1	Common loon		X	X	X	X	X				X	X	X	X	-	-	-
	Elegant tern						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-breasted merganser		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	X		-	-	-
2	California gull		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		-	-	-
3	Surf scoter		X	X	X	X				X	X	X			-	-	-
	Western grebe		X	X	X	X				X	X	X			-	-	-
4	Bonaparte's gull		X	X	X	X				X	X	X	X		-	-	-
	Brandt's cormorant		X	X	X	X				X	X	X	X		-	-	-
	Brown pelican					X	X	X	X	X	X	X	X		-	-	-
	Western gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
11	Ashy storm-petrel	C	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black-legged kittiwake		X	X	X	X					X	X			-	-	-
	Black-vented shearwater		X	X	X					X	X	X	X		-	-	-
	Cassin's auklet	C	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Northern fulmar		X		X							X			-	-	-
	Pink-footed shearwater					X	X		X	X					-	-	-
	Red phalarope					X	X		X	X	X	X			-	-	-
	Red-necked phalarope					X	X	X	X	X	X	X			-	-	-
	Rhinoceros auklet		X	X	X	X				X	X	X	X		-	-	-
	Sooty shearwater					X	X	X	X	X					-	-	-
	Western gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Xantus's murrelet	T				X	X	X							-	-	-
25	Peregrine falcon		X	X	X	X				X	X	X	X		-	-	-
361	American kestrel				X	X	X	X	X	X					-	-	-
	Bald eagle	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Osprey		X	X	X	X				X	X	X	X	X	-	-	-
	Red-tailed hawk				X	X	X	X	X	X					-	-	-
363	Bald eagle	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Gulls		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Osprey		X	X	X	X				X	X	X	X	X	-	-	-
	Shorebirds		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Terns		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
364	Brown pelican	9-70 BIRDS								X	X	X	X	X	-	-	-
365	Brown pelican	0-88 BIRDS								X	X	X	X	X	-	-	-
366	Brown pelican	0-177 BIRDS								X	X	X	X	X	-	-	-
367	Bald eagle	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Osprey		X	X	X	X				X	X	X	X	X	-	-	-
	Shorebirds		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Terns		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Waterfowl		X	X	X	X				X	X	X	X		-	-	-

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	X	APR-JUN	-	-	-	-
22	Rocky intertidal fish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
28	Steelhead	C E	X	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	X	APR-JUN	-	-	-	-
362	Arroyo chub		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Steelhead	C E	X	X	X	X	X								-	-	-	-	-

HABITAT:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D
22	Rocky intertidal plants		X	X	X	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
22	Black abalone	E POTENTIAL	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Rocky intertidal invertebrates		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
361	Monarch butterfly		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
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	-	-	-	-
535	Bottlenose dolphin	SECONDARY	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				-	-	-	-
	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			-	-	-	-
	Pacific white-sided dolphin	PRIMARY	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	X	-	-	-	-
	Short-beaked common dolphin	PRIMARY	X	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	X	-	-	-	-
	Striped dolphin	RARE	X	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	X	-	-	-	-
	Cuvier's beaked whale	SECONDARY	X	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	X	-	-	-	-
	Sperm whale	E SECONDARY	X	X	X	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		-	-	-	-
	Bryde's whale	RARE				X	X	X	X	X	X	X	X		-	-	-	-
	Fin whale	E PRIMARY				X	X	X	X	X	X	X	X		-	-	-	-
	Fin whale	E SECONDARY	X	X	X								X		-	-	-	-
	Humpback whale	E PRIMARY				X	X	X	X	X	X	X	X		-	-	-	-
	Humpback whale	E SECONDARY	X	X	X								X		-	-	-	-
	North Pacific right whale	E RARE				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	X	-	-	-	-
669	Sea otter	T	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 4 (cont.)

BIOLOGICAL RESOURCES: (cont.)

REPTILE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Hatching	Interesting	Juveniles	Adults
359	California red-legged frog	C T	X X X X X X X X X X X X	JAN-MAY	-	-	-	-
360	California red-legged frog	C T	X X X X X X X X X X X X	JAN-MAY	-	-	-	-
	Southwestern pond turtle	C	X X X X X X X X X X X X	-	-	-	-	-
361	California red-legged frog	C T	X X X X X X X X X X X X	JAN-MAY	-	-	-	-
	Coast range newt		X X X X X X X X X X	-	-	-	-	-
	Southwestern pond turtle	C	X X X X X X X X X X X X	-	-	-	-	-
	Two-striped garter snake		X X X X X X X X X X	-	-	-	-	-
363	California red-legged frog	C T PROBABLE	X X X X X X X X X X X X	JAN-MAY	-	-	-	-
367	Southwestern pond turtle	C	X X X X X X X X X X X X	-	-	-	-	-
	Two-striped garter snake		X X X X X X X X X X	-	-	-	-	-
368	California red-legged frog	C T	X X X X X X X X X X X X	JAN-MAY	-	-	-	-
	Southwestern pond turtle	C	X X X X X X X X X X X X	-	-	-	-	-
667	Leatherback sea turtle	E PRIMARY	X X X X X	-	-	-	-	MAR-JUL

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
4-610-A	Refugio Creek	CDF&G OSPR
4-613-A	Corral/Las Floras Creek	CDF&G OSPR
4-615-A	El Capitan Creek	CDF&G OSPR
4-620-A	Las Llegas (El Capitan Ranch Beach)	CDF&G OSPR

ACCESS:

HUN#	Name	Contact	Phone
135	SB-I-6011 ARROYO QUEMADO	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
136	SB-I-7011 TAJIGUAS CREEK	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
137	SB-J-1016 REFUGIO CREEK	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
138	SB-J-1026 BIKE PATH FROM REFUGIO BEACH	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
139	SB-J-1036 BIKE PATH - RAMP	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
140	SB-K-1016 ENTRY TO BIKE PATH - WEST	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
141	SB-K-1026 STAIRS - WEST EL CAPITAN STATE	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
142	SB-K-2016 STAIRS - NEAR "B" LOOP EL CAP	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
143	SB-K-3016 VEHICLE ACCESS AT EL CAPITAN	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
144	SB-L-1011 EL CAPITAN RANCH @ LAS LLAGAS	EL CAPITAN RANCH WATCH TRAILER	805/685-6336

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
399	CRITICAL HABITAT: STEELHEAD	NATIONAL MARINE FISHERIES SERVICE	562/980-4000

FISHERY AREA:

HUN#	Name	J F M A M J J A S O N D
551	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 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 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 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 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

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
627	REFUGIO MARINE CONSERVATION AREA	CAL NATURAL RESOURCES AGENCY	916/654-1885

NATIONAL FOREST:

HUN#	Name	Contact	Phone
764	LOS PADRES NATIONAL FOREST	U.S. FOREST SERVICE	805/968-6640

PARK:

HUN#	Name	Contact	Phone
787	EL CAPITAN SB	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
790	GAVIOTA SP	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
810	REFUGIO SB	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944