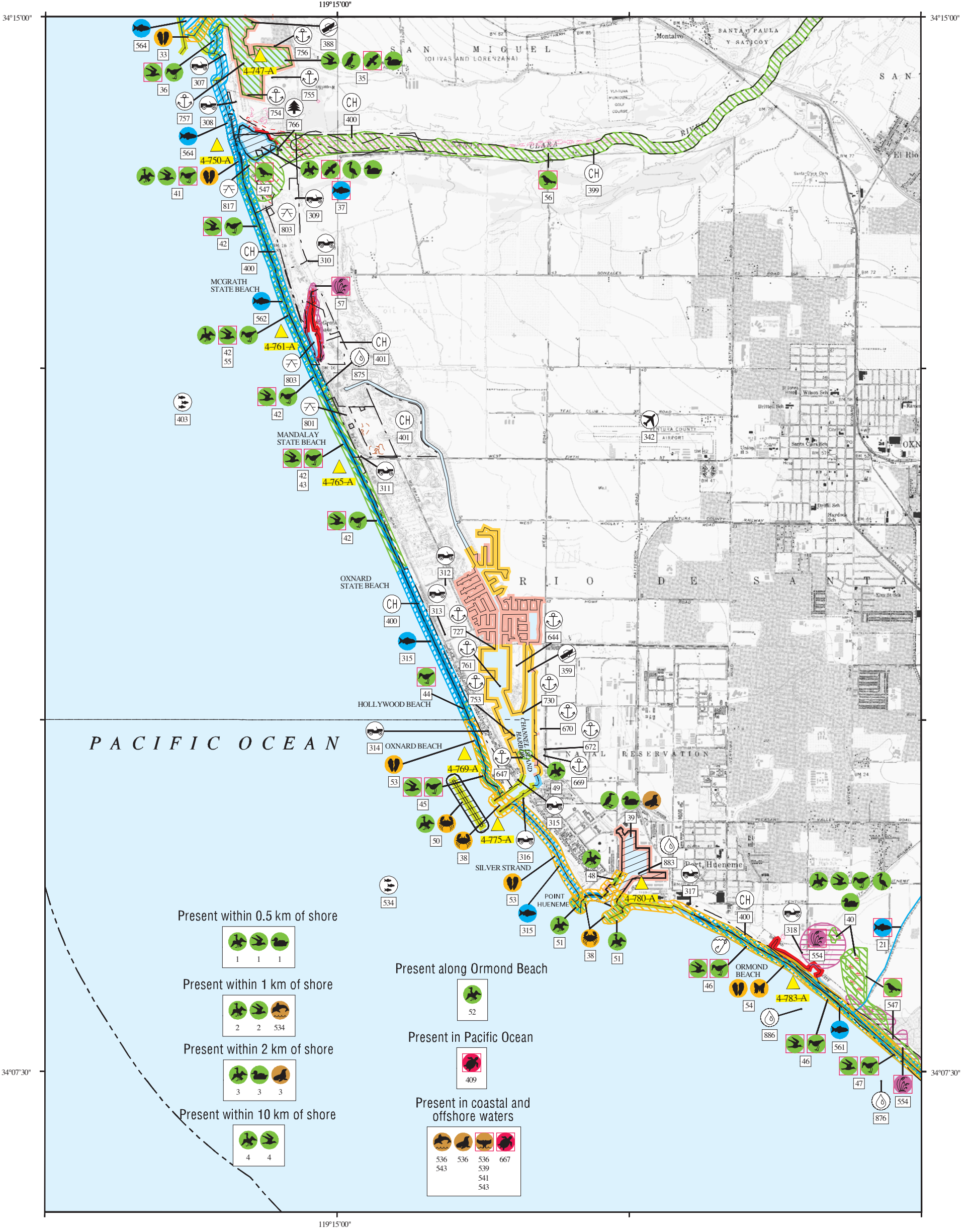
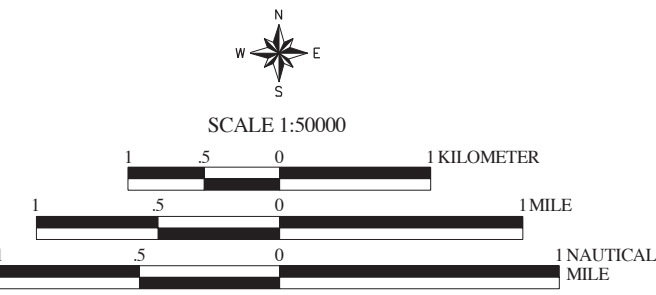


ENVIRONMENTAL SENSITIVITY INDEX MAP



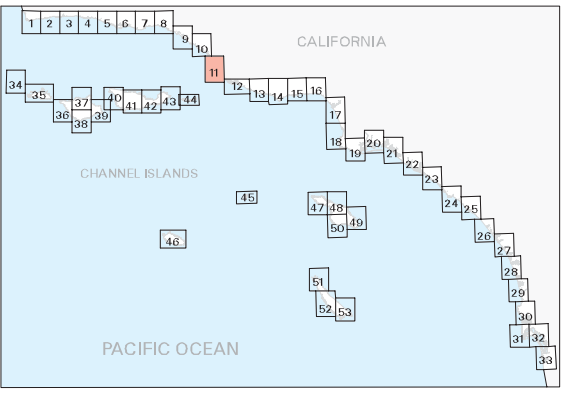
SHORELINE HABITATS (ESI)

- 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



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



Southern California: ESIMAP 11

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	-	-	-
	Elegant tern		X X X X X X X X	-	-	-
	Forster's tern		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	-	-	-
	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	-	-	-
2	California gull		X X X X X X X X	-	-	-
	Caspian tern		X X X X X X X X X X	-	-	-
	Double-crested cormorant		X X X X X X X X X X	-	-	-
	Heermann's gull		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	-	-	-
35	Bald eagle	E	X X X X X X X X X X	-	-	-
	Gulls		X X X X X X X X X X	-	-	-
	Osprey		X X X X X X X X X	-	-	-
	Seabirds		X X X X X X X X X X	-	-	-
	Waterfowl		X X X X X X X X X	-	-	-
36	California least tern	E E	X X X X X X	-	-	-
	Shorebirds		X X X X X X X X X X	-	-	-
37	Bald eagle	E	X X X X X X X X X X	-	-	-
	Cormorants		X X X X X X X X X X	-	-	-
	Ducks		X X X X X X X X X	-	-	-
	Hérons		X X X X X X X X	-	-	-
	Merlin		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	-	-	-
	Western grebe		X X X X X X X X	-	-	-
39	Seabirds		X X X X X X X X X X	-	-	-
	Waterfowl		X X X X X X X X X	-	-	-
40	American avocet		X X X X X X X X X X	MAR-AUG	-	-
	Black-necked stilt		X X X X X X X X X X	MAR-AUG	-	-
	Brown pelican	0-158 BIRDS	X X X X X X X	-	-	-
	Ducks		X X X X X X X X X	-	-	-
	Egrets		X X X X X X X X X X	-	-	-
	Forster's tern		X X X X X X X X X X	MAR-AUG	-	-
	Hérons		X X X X X X X X X	-	-	-
41	Brown pelican	0-446 BIRDS	X X 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	-	-	-
	Western snowy plover	C T 140 BIRDS	X X X X X X X	-	-	-
	Western snowy plover	C T 37 BIRDS	X X X X X X X	MAR-SEP	-	-
42	California least tern	E E 195 BIRDS	X X X X X X X	APR-SEP	-	-
	Shorebirds		X X X X X X X X X X	-	-	-
43	Western snowy plover	C T 30 BIRDS	X X X X X X X	-	-	-
	Western snowy plover	C T 4 BIRDS	X X X X X X X	MAR-SEP	-	-
44	Western snowy plover	C T 28 BIRDS	X X X X X X X X X	-	-	-
45	California least tern	E E 26-51 PAIRS	X X X X X X X	APR-SEP	-	-
	Shorebirds		X X X X X X X X X X	-	-	-
	Western snowy plover	C T 15 PAIRS	X X X X X X X X X X	MAR-SEP	-	-
46	California least tern	E E 40 PAIRS	X X X X X X X	APR-SEP	-	-
	Western snowy plover	C T 20 BIRDS	X X X X X X X	MAR-SEP	-	-
	Western snowy plover	C T 35 BIRDS	X X X X X X X	-	-	-
47	California least tern	E E 40 PAIRS	X X X X X X X	APR-SEP	-	-
	Western snowy plover	C T 20-30 BIRDS	X X X X X X X	MAR-SEP	-	-
	Western snowy plover	C T 40 BIRDS	X X X X X X X	-	-	-
48	Brandt's cormorant		X X X X X X X X X X	APR-JUN	-	-
49	Brown pelican	21-74 BIRDS	X X X X X X X	-	-	-
50	Brown pelican	0-208 BIRDS	X X X X X X X	-	-	-
51	Brown pelican	0-65 BIRDS	X X X X X X X	-	-	-
52	Brown pelican	0-158 BIRDS	X X X X X X X	-	-	-
55	Brown pelican	0-25 BIRDS	X X X X X X	-	-	-
56	Least Bell's vireo	E E	X X X X X X	MAR-AUG	-	-
547	Belding's savannah sparrow	E	X X X X X X X X X X	MAR-MAY	-	-

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	APR-JUN	-	-	-	-
37	Steelhead	C E	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	APR-JUN	-	-	-	-
315	California grunion	OCCASIONAL RUNS	X X X X X X X X X X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC
561	California grunion	OCCASIONAL SMALL RUN	X X X X X X X X X X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC
562	California grunion		X X X X X X X X X X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC
564	California grunion	FREQUENT RUNS	X 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
57	Ventura marsh milkvetch	E E	X X X X X X X X X X
554	Salt marsh bird's-beak	E E	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
33	Chione spp.		X X X X X X X X X X	-	-	-	-	-
	Nuttall cockle		X X X X X X X X X X	-	-	-	-	-
	Pacific littleneck		X X X X X X X X X X	MAR-JUL	-	-	-	-
38	Rocky intertidal invertebrates		X X X X X X X X X X	-	-	-	-	-
41	Pismo clam		X X X X X X X X X X	JUN-SEP	-	-	-	-
50	Rocky intertidal invertebrates		X X X X X X X X X X	-	-	-	-	-
53	Pismo clam		X X X X X X X X X X	JUN-SEP	-	-	-	-
54	Globose dune beetle		X X X X X X X X X X	-	-	-	-	-
	Pismo clam		X X X X X X X X X X	JUN-SEP	-	-	-	-
	Point Mugu dune weevil		X X X X X X X X X X	-	-	-	-	-
	Wandering skipper		X X X X X X X X	-	-	-	-	-
	Western beach tiger beetle		X 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
3	Pacific harbor seal	PRIMARY	X X X X X X X X X X	-	-	-	-
39	California sea lion		X X X X X X X X X X	-	-	-	AUG-SEP
534	Bottlenose dolphin	PRIMARY	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 11 (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	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		-	-	-	-
	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	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		-	-	-	-
	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										-	-	-	-
	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	-	-	-	-

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	X	-	-	-	-	-
667	Leatherback sea turtle	E	PRIMARY			X	X	X	X	X						-	-	-	-	MAR-JUL

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
4-747-A	Ventura Harbor	CDF&G OSPR
4-750-A	Santa Clara River estuary	CDF&G OSPR
4-761-A	McGrath State Beach and McGrath Lake	CDF&G OSPR
4-765-A	Mandalay State Beach	CDF&G OSPR
4-769-A	Oxnard Beach	CDF&G OSPR
4-775-A	Channel Islands Harbor	CDF&G OSPR
4-780-A	Port of Hueneme	CDF&G OSPR
4-783-A	Ormond Beach Wetlands	CDF&G OSPR

ACCESS:

HUN#	Name	Contact	Phone
307	VN-E-1010 MARINA COVE BEACH	VENTURA COUNTY PARKS	805/654-3932
308	VN-E-2010 SURFER'S KNOLL	VENTURA COUNTY PARKS	805/654-3932
309	VN-E-2026 MCGRATH STATE BEACH	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
310	VN-E-2031 OFF-ROAD PRIVATE ACCESS	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
311	VN-E-2040 5TH STREET BEACH ACCESS	OXNARD COASTAL PLANNING	805/385-7858
312	VN-E-2054 OXNARD BEACH PARK	OXNARD COASTAL PLANNING	805/385-7858
313	VN-E-2060 EMBASSY SUITES BEACH ACCESS	EMBASSY SUITES HOTEL	805/984-2500
314	VN-E-2075 MULTIPLE OCEAN DRIVE		
315	VN-E-2084 CHANNEL VIEW PARK	OXNARD COASTAL PLANNING	805/385-7858
316	VN-F-1105 MULTIPLE OCEAN DRIVE		
317	VN-G-1014 HUENEME WHARF PLAZA	CITY OF PORT HUENEME RECREATION	805/986-6542
318	VN-G-1024 PERKINS ROAD ACCESS	CITY OF PORT HUENEME RECREATION	805/986-6542

AIRPORT:

HUN#	Name	Contact	Phone
342	OXNARD	OXNARD AIRPORT	805/382-3024

BOAT RAMP:

HUN#	Name	Contact	Phone
359	CHANNEL ISLANDS	HARBOR ADMIN. AND HARBOR PATROL	805/985-4852
388	VENTURA	HARBOR PATROL	805/642-8616

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
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
401	CRITICAL HABITAT: VENTURA MARSH MILKVETCH	U.S. FISH AND WILDLIFE SERVICE	805/644-1766

FISHERY AREA:

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

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Southern California: ESIMAP 11 (cont.)

HUMAN USE RESOURCES: (cont.)

FISHERY AREA: (cont.)

HUN#	Name	J	F	M	A	M	J	J	A	S	O	N	D
-----	-----	-	-	-	-	-	-	-	-	-	-	-	-
403	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
	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
534	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 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	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	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	
	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 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
	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

MARINA:

HUN#	Name	Contact	Phone
-----	-----	-----	-----
644	ANACAPA ISLE MARINA	NELSON'S FAMILY TRUST - ALMAR MGT	805/985-6035
647	BAHIA CABRILLO YACHT LANDING	CHANNEL ISLANDS PROPERTIES	805/985-6400
669	CHANNEL ISL VENTURA CTY SM BOAT MARINA	COUNTY OF VENTURA	805/382-3007
670	CHANNEL ISLANDS LANDING	CATALINA YACHT	805/985-6059
672	CISCO SPORTFISHING	UNKNOWN	805/985-8511
727	PACIFIC CORINTHIAN MARINA	PACIFIC CORINTHIAN YACHT CLUB	805/984-2847
730	PENINSULA YACHT ANCHORAGE	CHANNEL ISLANDS PROPERTIES	805/985-6400
753	VENTURA CTY MARINA (BEF. CHL ISL MARINA)	COUNTY OF VENTURA	805/985-7981
754	VENTURA HARBOR VILLAGE MARINA	VENTURA PORT DISTRICT	805/644-0169
755	VENTURA ISLE MARINA	H NELSON	805/644-5858
756	VENTURA WEST MARINA	GENERAL PARTNERSHIP	805/644-8266
757	VENTURA YC	CLUB MEMBERS	805/642-0426
761	VINTAGE MARINA	VINTAGE PARTNERS	805/984-3366

NATIONAL PARK:

HUN#	Name	Contact	Phone
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766	CHANNEL ISLANDS NATIONAL PARK	NATIONAL PARK SERVICE	805/658-5700

PARK:

HUN#	Name	Contact	Phone
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801	MANDALAY SB	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
803	MCGRATH SB	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944
817	SANTA CLARA ESTUARY NP	CA STATE PARKS (24-HOUR DISPATCH)	951/443-2944

WATER INTAKE:

HUN#	Name	Contact	Phone
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875	OCEAN VISTA POWER STATION AT MANDALAY B	RELIANT ENERGY	
876	ORMOND BEACH GENERATING STATION	RELIANT ENERGY	
883	WATER INTAKE		
886	WATER INTAKE		