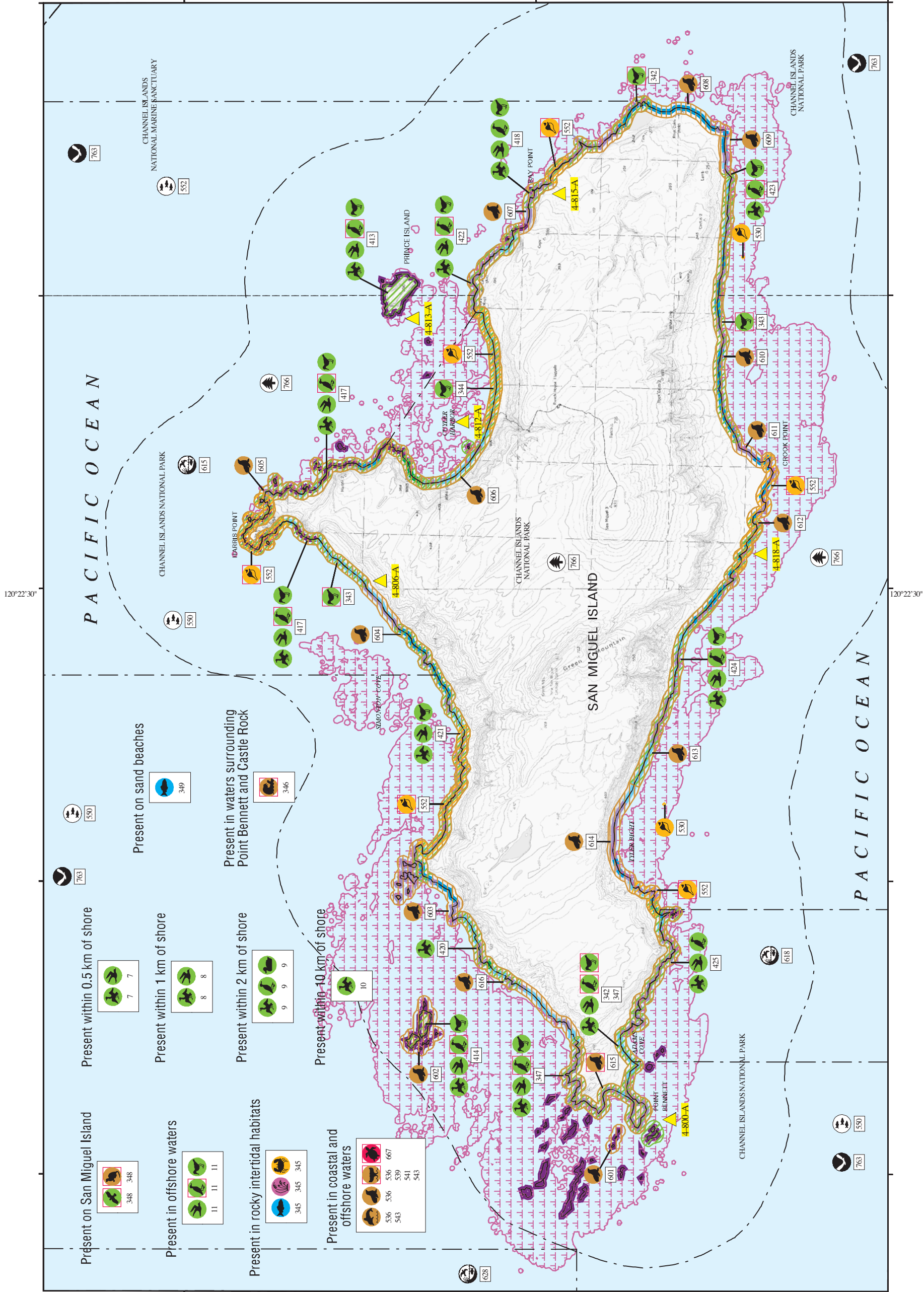


ENVIRONMENTAL SENSITIVITY INDEX MAP

34°00'00"

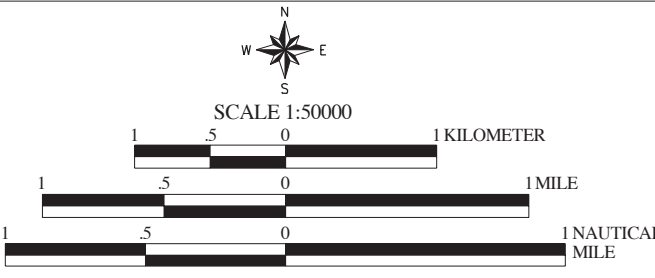


120°22'30"

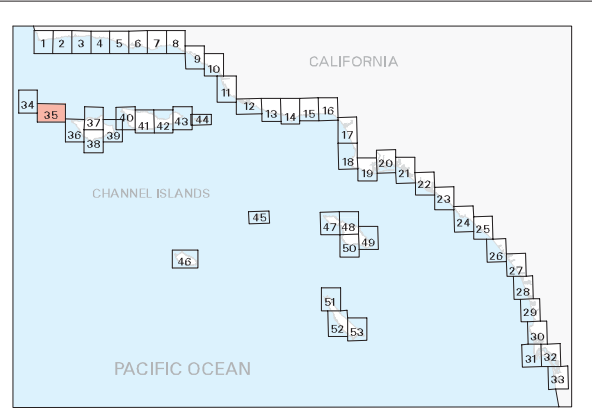
120°22'30"

- Present on San Miguel Island
- Present in offshore waters
- Present in rocky intertidal habitats
- Present in coastal and offshore waters
- Present within 0.5 km of shore
- Present within 1 km of shore
- Present within 2 km of shore
- Present within 10 km of shore
- Present on sand beaches
- Present in waters surrounding Point Bennett and Castle Rock

- ### 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
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 National Ocean Service
 Office of Response and Restoration
 Emergency Response Division



SAN MIGUEL ISLAND WEST, CALIF. (1943)
 SAN MIGUEL ISLAND EAST, CALIF. (1943) **ESI-35**

34°00'00"

Southern California: ESIMAP 35

BIOLOGICAL RESOURCES:

BIRD:

Table with columns: RAR#, Species, S F Conc., J F M A M J J A S O N D, Nesting, Migrating, Molting. Lists various bird species like Common loon, California gull, Ashy storm-petrel, etc., with their distribution patterns.

FISH:

Table with columns: RAR#, Species, S F Conc., J F M A M J J A S O N D, Spawning, Eggs, Larvae, Juveniles, Adults. Lists fish species like Rocky intertidal fish and California grunion.

HABITAT:

Table with columns: RAR#, Species, S F Conc., J F M A M J J A S O N D. Lists habitat types like Rocky intertidal plants.

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 35 (cont.)

BIOLOGICAL RESOURCES: (cont.)

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
345	Rocky intertidal invertebrates		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
530	Red abalone		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
552	Black abalone	E	X	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
346	Sea otter	T	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	-	-	-	-	
	Dall's porpoise	SECONDARY					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	-	-	-	-	
	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	-	-	-	-	
	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	-	-	-	-	
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	X	-	-	-	-	
	Fin whale	E PRIMARY			X	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	X	-	-	-	-	
	Humpback whale	E SECONDARY	X	X	X								X	-	-	-	-	
	North Pacific right whale	E RARE			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	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	-	-	-	-	
601	Pacific harbor seal	13-18 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
602	California sea lion	2240 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	AUG-SEP	
603	California sea lion	9430 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	AUG-SEP	
	Northern elephant seal	773 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Pacific harbor seal	54-138 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
604	California sea lion	7 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-SEP	
	Northern elephant seal	288 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
605	California sea lion	1147 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	AUG-SEP	
	Northern elephant seal	190 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Pacific harbor seal	76-119 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
606	California sea lion	1 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	AUG-SEP	
	Northern elephant seal	559 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Pacific harbor seal		X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
607	California sea lion	2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	AUG-SEP	
	Northern elephant seal	179 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Pacific harbor seal	145-182 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
608	California sea lion	2708 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	AUG-SEP	
	Northern elephant seal	3347 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Pacific harbor seal	33-95 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
609	California sea lion	7 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-SEP	
	Northern elephant seal	589 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Pacific harbor seal	73-115 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
610	California sea lion	1537 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-SEP	
	Northern elephant seal	4053 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Pacific harbor seal	7-76 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
611	California sea lion	8 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-SEP	
	Northern elephant seal	622 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Pacific harbor seal	98-128 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
612	California sea lion	41 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-SEP	
	Northern elephant seal	1625 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Pacific harbor seal	2-48 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
613	California sea lion	1184 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	-	AUG-SEP	
	Northern elephant seal	1330 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Pacific harbor seal	64-133 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
614	California sea lion	6148 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	AUG-SEP	
	Northern elephant seal	873 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Pacific harbor seal	8-14 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	MAY-JUL	
615	California sea lion	38071 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	AUG-SEP	
	Guadalupe fur seal	T T RARE	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	JUN-AUG	-	
	Northern elephant seal	2856 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	
	Northern fur seal		X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-NOV	-	
616	California sea lion	548 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	AUG-SEP	
	Northern elephant seal	105 INDIV.	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAR	MAR-AUG	

REPTILE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
667	Leatherback sea turtle	E PRIMARY			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
348	San Miguel island fox	T E	X	X	X	X	X	X	X	X	X	X	X	X

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
4-800-A	San Miguel Island, Point Bennett area	CDF&G OSPR
4-806-A	San Miguel Island, East Simonton Cove	CDF&G OSPR
4-812-A	San Miguel Island, Cuyler Harbor	CDF&G OSPR
4-813-A	San Miguel Island, Prince Island	CDF&G OSPR
4-815-A	San Miguel Island, Bay Point area	CDF&G OSPR
4-818-A	San Miguel Island, South Side	CDF&G OSPR

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Southern California: ESIMAP 35 (cont.)

HUMAN USE RESOURCES: (cont.)

FISHERY AREA:

HUN#	Name	J	F	M	A	M	J	J	A	S	O	N	D
550	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 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	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 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	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	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
552	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	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	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 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	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	X	X
	Surfperch	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
615	HARRIS POINT MARINE RESERVE		
618	JUDITH ROCK MARINE RESERVE		
628	RICHARDSON ROCK MARINE RESERVE		

MARINE SANCTUARY:

HUN#	Name	Contact	Phone
763	CHANNEL ISLANDS NMS	NOAA	805/382-6149

NATIONAL PARK:

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

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