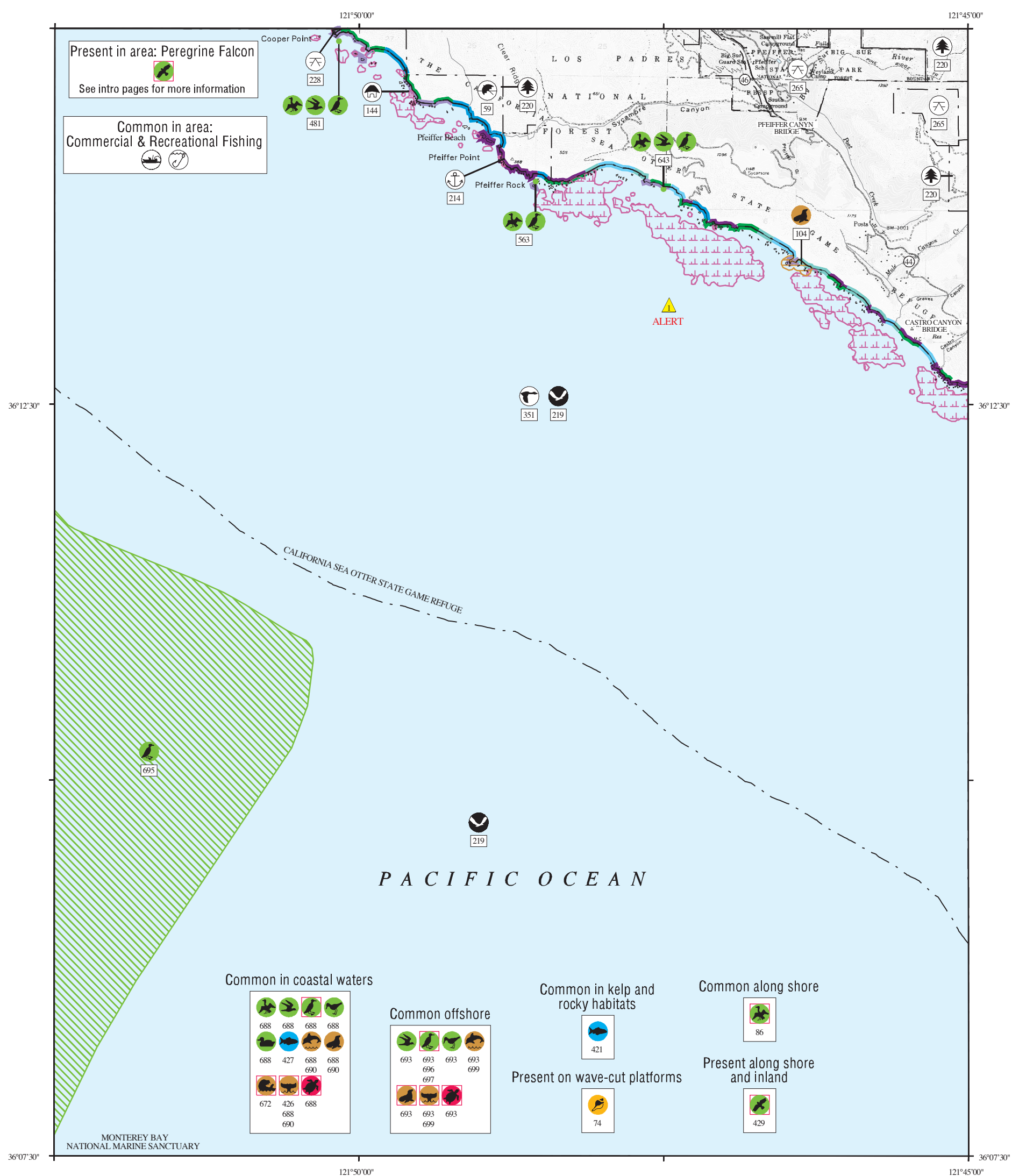


ENVIRONMENTAL SENSITIVITY INDEX MAP



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

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

10A SALT- AND BRACKISH-WATER MARSHES

10B FRESHWATER MARSHES

10C SWAMPS

10D SCRUB-SHRUB WETLANDS

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California Department of Fish and Game

CALIFORNIA

PACIFIC OCEAN

Central California

ESI-21

Central California: ESIMAP 21

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Migrating	Molting
86	Brown pelican	E E 4-526 INDIV.	X X X X X X X X X X X X	-	JUL-NOV	-
429	California condor	E E	X X X X X X X X X X X X	-	-	-
481	Brandt's cormorant	37 INDIV.	X X X X X X X X X X X X	FEB-AUG	-	-
	Double-crested cormorant		X X X X X X X X X X X X	MAR-AUG	-	-
	Pelagic cormorant	18 INDIV.	X X X X X X X X X X X X	MAR-SEP	-	-
	Pigeon guillemot	18 INDIV.	X X X X X X X X X X X X	FEB-AUG	-	-
	Western gull	1 INDIV.	X X X X X X X X X X X X	MAR-AUG	-	-
563	Double-crested cormorant		X X X X X X X X X X X X	MAR-AUG	-	-
	Pelagic cormorant	9 INDIV.	X X X X X X X X X X X X	MAR-SEP	-	-
	Pigeon guillemot	5 INDIV.	X X X X X X X X X X X X	FEB-AUG	-	-
643	Pelagic cormorant	11 INDIV.	X X X X X X X X X X X X	MAR-SEP	-	-
	Pigeon guillemot	8 INDIV.	X X X X X X X X X X X X	FEB-AUG	-	-
	Western gull	2 INDIV.	X X X X X X X X X X X X	MAR-AUG	-	-
688	Cassin's auklet	MODERATE	X X X X X X X X X X X X	-	-	-
	Clark's grebe	MODERATE	X X X X X X X X X X	-	MAR-APR SEP-NOV	-
	Common murre	MODERATE	X X X X X X X X X X X X	-	-	JUL-SEP
	Cormorants	MODERATE	X X X X X X X X X X X X	-	-	-
	Eared grebe	LOW	X X X X X X X X X X	-	MAR-APR SEP-OCT	-
	Gulls	MODERATE	X X X X X X X X X X X X	-	-	-
	Horned grebe	LOW	X X X X X X X X X X	-	OCT-APR	-
	Loons	MODERATE	X X X X X X X X X	-	OCT-MAY	-
	Marbled murrelet	E T LOW	X X X X X X X X X X X X	-	-	-
	Pacific loon	MODERATE	X X X X X X X X X	-	OCT-MAY	-
	Pelicans	MODERATE	X X X X X X X X X X	-	JUL-NOV	-
	Phalaropes	LOW	X X X X X X X X X X X X	-	-	-
	Pigeon guillemot	MODERATE	X X X X X X X X	-	-	-
	Rhinoceros auklet	MODERATE	X X X X X X X X X X X X	-	-	-
	Shearwaters	LOW	X X X X X X X X X X X X	-	-	-
	Sooty shearwater	MODERATE	X X X X X X X X X	-	-	APR-OCT
	Surf scoter	MODERATE	X X X X X X X X X	-	MAR-APR SEP-DEC	-
	Western grebe	MODERATE	X X X X X X X X X	-	MAR-APR SEP-NOV	-
	White-winged scoter	MODERATE	X X X X X X X X	-	MAR-APR OCT-NOV	-
693	Black-footed albatross	MODERATE	X X X X X X X X X X	-	-	-
	Common murre	LOW-MODERATE	X X X X X X X X X X X X	-	-	JUL-SEP
	Gulls	LOW	X X X X X X X X X X X X	-	-	-
	Phalaropes	MODERATE	X X X X X X X X X X X X	-	-	-
	Rhinoceros auklet	LOW	X X X X X X X X X X X X	-	-	-
	Shearwaters	LOW	X X X X X X X X X X X X	-	-	-
	Sooty shearwater	LOW	X X X X X X X X X	-	-	APR-OCT
	Xantus' murrelet	T MODERATE	X X X X X X X	-	-	-
695	Cassin's auklet	HIGH	X X X X X X	-	-	-
696	Ashy storm-petrel	MODERATE	X X X X X X X X X X X X	-	-	-
	Storm-petrels	MODERATE	X X X X X X X X X	-	-	-
697	Cassin's auklet	MODERATE	X X X X 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
421	Black rockfish		X X X X X X X X X X X X	JAN-MAY	-	-	APR-JUL	JAN-DEC
	Black-and-yellow rockfish		X X X X X X X X X X X X	MAR-JUN	-	-	MAY-JUL	JAN-DEC
	Blue rockfish		X X X X X X X X X X X X	NOV-MAR	-	-	APR-JUL	JAN-DEC
	Bocaccio		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Canary rockfish (orange)		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	China rockfish		X X X X X X X X X X X X	JAN-JUL	-	-	MAY-JUL	JAN-DEC
	Copper rockfish		X X X X X X X X X X X X	FEB-APR	-	-	APR-JUL	JAN-DEC
	Gopher rockfish		X X X X X X X X X X X X	MAR-JUN	-	-	MAY-JUL	JAN-DEC
	Grass rockfish		X X X X X X X X X X X X	JAN-MAR	-	-	MAY-JUL	JAN-DEC
	Kelp rockfish		X X X X X X X X X X X X	FEB-APR	-	-	APR-AUG	JAN-DEC
	Olive rockfish		X X X X X X X X X X X X	JAN-MAR	-	-	APR-JUL	JAN-DEC
	Vermilion rockfish		X X X X X X X X X X X X	SEP-NOV	-	-	FEB-JUL	JAN-DEC
	Widow rockfish		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
	Yellowtail rockfish		X X X X X X X X X X X X	-	-	-	JAN-DEC	-
427	California halibut		X X X X X X X X X X X X	FEB-JUN	-	FEB-SEP	JAN-DEC	FEB-NOV
	Salmon		X X X X X X	-	-	-	-	APR-SEP

INVERTEBRATE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
74	Black abalone		X X X X X X X X X X X X	-	-	-	JAN-DEC	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
104	Harbor seal	14-35 INDIV.	X X X X X X X X X X X X	-	-	MAR-MAY	-
426	Gray whale		X X X X X X X X	-	DEC-FEB	-	-
672	Sea otter	T 268 INDEP / 57 PUPS	X X X X X X X X X X X X	-	-	JAN-MAR SEP-NOV	-
688	Bottlenose dolphin	MODERATE	X X X X X X X X X X X X	-	-	-	-
	Fin whale	E LOW	X X X X X X X X X X X X	-	-	-	-
	Harbor porpoise	MODERATE	X X X X X X X X X X X X	JUL-SEP	JUN-AUG	-	-
	Killer whale	LOW	X X X X X X X X X X X X	-	-	-	-
	Long-beaked common dolphin	LOW	X X X X X X X X X X X X	-	-	-	-
	Minke whale	MODERATE	X X X X X X X X X X X X	-	MAR-MAY	-	-
	Northern right whale	E LOW	X X X	-	-	-	-
	Northern right-whale dolphin	LOW	X X X X X X X X X X X X	-	-	-	-
	Pacific white-sided dolphin	LOW	X X X X X X X X X X X X	-	-	-	-
	Risso's dolphin	MODERATE	X X X X X X X X X X X X	-	-	-	-
	Seals	LOW-MODERATE	X X X X X X X X X X X X	-	-	-	-
	Short-beaked common dolphin	LOW	X X X X X X X X X X X X	-	-	-	-
	Short-finned pilot whale	LOW	X X X X X X X X X X X X	-	-	-	-
690	Blue whale	E HIGH	X X X X X X X X X	-	-	-	-
	Dall's porpoise	HIGH	X X X X X X X X X X X X	-	-	-	-
	Dolphins	HIGH	X X X X X X X X X X X X	-	-	-	-
	Humpback whale	E HIGH	X X X X X X X X	-	-	-	-
	Sea lions	HIGH	X X X X X X X X X X X X	-	-	-	-
693	Baird's beaked whale	LOW	X X X X X X X X X	-	-	-	-
	California sea lion	LOW	X X X X X X X X X X X X	-	-	-	-
	Cuvier's beaked whale	LOW	X X X X X X X X X X X X	-	-	-	-
	Dwarf sperm whale	LOW	X X X X X X X X X X X X	-	-	-	-
	Fin whale	E MODERATE	X X X X X X X X X X X X	-	-	-	-
	Guadalupe fur seal	T T LOW	X X X X X X X X X X X X	-	-	-	-
	Harbor seal	LOW	X X X X X X X X X X X X	-	-	-	-
	Killer whale	LOW	X X X X X X X X X X X X	-	-	-	-
	Long-beaked common dolphin	LOW	X X X X X X X X X X X X	-	-	-	-
	Mesoplodont beaked whales	LOW	X 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 impactsto protected species.

Central California: ESIMAP 21 (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
693	Minke whale	LOW	X X X X X X X X X X X	-	MAR-MAY	-	-
	Northern elephant seal	MODERATE	X X X X X X X X X X X	-	-	-	-
	Northern fur seal	MODERATE	X X X X X X X X X X X	-	-	-	-
	Northern right whale	E LOW	X X X	-	-	-	-
	Northern right-whale dolphin	MODERATE	X X X X X X X X X X X	-	-	-	-
	Pacific white-sided dolphin	MODERATE	X X X X X X X X X X X	-	-	-	-
	Pygmy sperm whale	LOW	X X X X X X X X X X X	-	-	-	-
	Risso's dolphin	MODERATE	X X X X X X X X X X X	-	-	-	-
	Sei whale	E LOW	X X X X X X X X X X X	-	SEP-MAR	-	-
	Short-beaked common dolphin	MODERATE	X X X X X X X X X X X	-	-	-	-
	Short-finned pilot whale	LOW	X X X X X X X X X X X	-	-	-	-
	Sperm whale	E LOW	X X X X X X X X X X X	MAR-JUN	JUN-OCT	-	-
	Steller sea lion	T LOW	X X X X X X X X X X X	-	-	-	-
699	Blue whale	E MODERATE	X X X X X X X X X	-	-	-	-
	Dall's porpoise	LOW	X X X X X X X X X X X	-	-	-	-
	Dolphins	LOW-MODERATE	X X X X X X X X X X X	-	-	-	-
	Humpback whale	E MODERATE	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
688	Leatherback sea turtle	E MODERATE	X X X X X X X X	-	-	-	-	MAY-NOV
693	Leatherback sea turtle	E LOW	X X X X X X X X	-	-	-	-	MAY-NOV

HUMAN USE RESOURCES:

ALERT:

ID#	Description
1	Keep out of kelp when transiting. Note potential presence of sea otters if operating outboard motor.

BEACH:

HUN#	Name	Contact	Phone
59	PFEIFFER BEACH		

SAMPLING SITE:

HUN#	Name	Contact	Phone
144	PISCO:QUANTITATIVE	STEVE LONHART	831/647-4222

MARINA:

HUN#	Name	Contact	Phone
214	PFEIFFER POINT		

MARINE SANCTUARY:

HUN#	Name	Contact	Phone
219	MONTEREY BAY NATIONAL MARINE SANCTUARY	SUPERINTENDENT	831/647-4201

NATIONAL FOREST:

HUN#	Name	Contact	Phone
220	LOS PADRES NATIONAL FOREST	USDA FOREST SERVICE	

PARK:

HUN#	Name	Contact	Phone
228	ANDREW MOLERA SP	CA DEPT OF PARKS AND RECREATION	
265	PFEIFFER BIG SUR SP	CA DEPT OF PARKS AND RECREATION	

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
351	CALIFORNIA SEA OTTER GAME REFUGE	CDF&G	