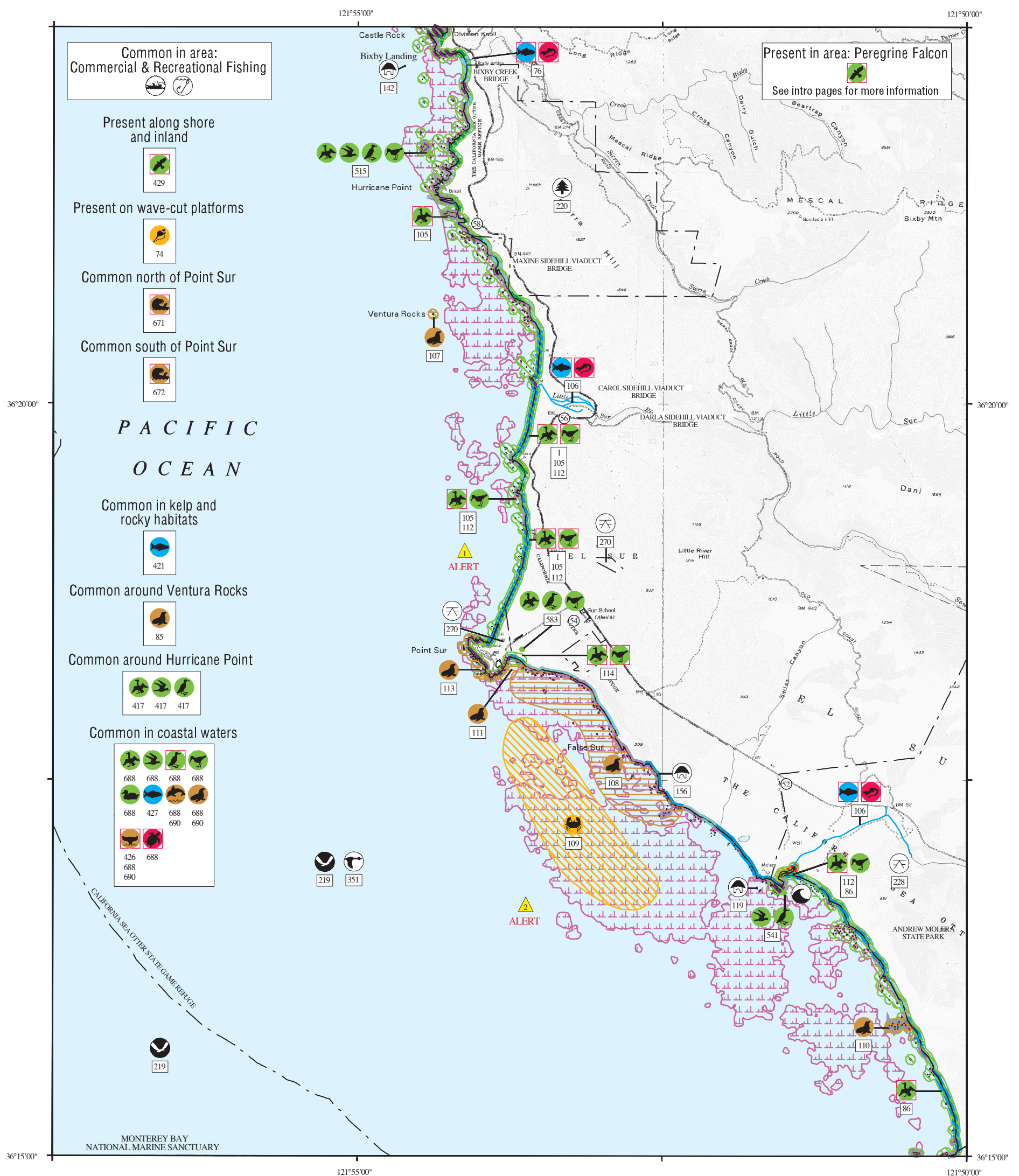
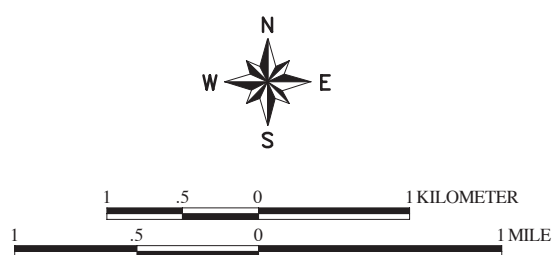


# ENVIRONMENTAL SENSITIVITY INDEX MAP



Prepared by: Research Planning, Inc.  
Columbia, South Carolina

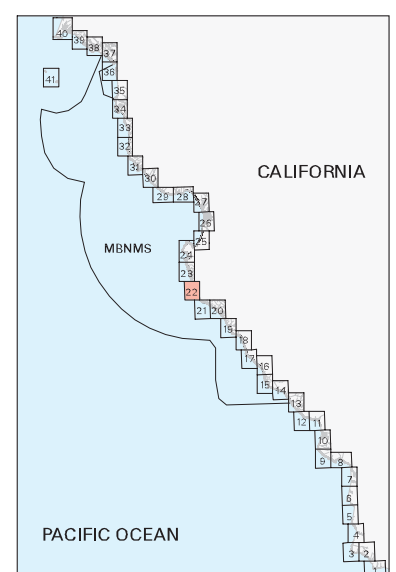


SCALE 1:50000

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California Department of Fish and Game



Central California ESI-22

Central California: ESIMAP 22

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Migrating	Molting
1	Western snowy plover	T	X X X X X X X X X X X	MAR-SEP	-	-
86	Brown pelican	E E 4-526 INDIV.	X X X X X X X X X X X	-	JUL-NOV	-
105	Brown pelican	E E 2-410 INDIV.	X X X X X X X X X X X	-	JUL-NOV	-
112	Shorebirds		X X X X X X X X X X X	-	-	-
114	Brown pelican	E E	X X X X X X X X X X X	-	JUL-NOV	-
	Shorebirds		X X X X X X X X X X X	-	-	-
	Western snowy plover	T	X X X X X X X X X X X	-	-	-
417	Diving birds	1500 INDIV.	X X X X X X X	FEB-AUG	-	-
	Gulls	100 INDIV.	X X X X X X X	FEB-AUG	-	-
	Seabirds	2000 INDIV.	X X X X X X X	FEB-AUG	-	-
429	California condor	E E	X X X X X X X X X X X	-	-	-
515	Black oystercatcher	10 INDIV.	X X X X X X X X X X X	MAR-SEP	-	-
	Brandt's cormorant	29 INDIV.	X X X X X X X X X X X	FEB-AUG	-	-
	Common murre	613 INDIV.	X X X X X X X X X X X	DEC-JUL	-	-
	Pigeon guillemot	20 INDIV.	X X X X X X X X X X X	FEB-AUG	-	-
	Western gull	14 INDIV.	X X X X X X X X X X X	MAR-AUG	-	-
541	Pigeon guillemot	5 INDIV.	X X X X X X X X X X X	FEB-AUG	-	-
	Western gull	8 INDIV.	X X X X X X X X X X X	MAR-AUG	-	-
583	Black oystercatcher	2 INDIV.	X X X X X X X X X X X	MAR-SEP	-	-
	Pelagic cormorant	33 INDIV.	X X X X X X X X X X X	MAR-SEP	-	-
	Pigeon guillemot	3 INDIV.	X X X X X X X X X X X	FEB-AUG	-	-
688	Cassin's auklet	MODERATE	X X X X X X X X X X X	-	-	-
	Clark's grebe	MODERATE	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	-	-	JUL-SEP
	Cormorants	MODERATE	X X X X X X X X X X X	-	-	-
	Eared grebe	LOW	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	-	-	-
	Horned grebe	LOW	X X X X X X X X	-	OCT-APR	-
	Loons	MODERATE	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	-	-	-
	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 X	-	JUL-NOV	-
	Phalaropes	LOW	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	-	-	-
	Shearwaters	LOW	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	-	MAR-APR SEP-DEC	-
	Western grebe	MODERATE	X X X X X X X X	-	MAR-APR SEP-NOV	-
	White-winged scoter	MODERATE	X X X X X X X	-	MAR-APR OCT-NOV	-

FISH:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
76	Steelhead	T	X X X X X X X X X X X	-	-	-	JUN-OCT	OCT-JUN
106	Pacific lamprey		X X X X X X X X X X X	-	-	-	JUN-OCT	OCT-JUN
	Steelhead	T	X X X X X X X X X X X	-	-	-	JUN-OCT	OCT-JUN
421	Black rockfish		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	MAR-JUN	-	-	MAY-JUL	JAN-DEC
	Blue rockfish		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	-	-	-	JAN-DEC	-
	Canary rockfish (orange)		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	JAN-JUL	-	-	MAY-JUL	JAN-DEC
	Copper rockfish		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	MAR-JUN	-	-	MAY-JUL	JAN-DEC
	Grass rockfish		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	FEB-APR	-	-	APR-AUG	JAN-DEC
	Olive rockfish		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	SEP-NOV	-	-	FEB-JUL	JAN-DEC
	Widow rockfish		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	-	-	-	JAN-DEC	-
427	California halibut		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	-	-	-	JAN-DEC	JAN-DEC
109	Invertebrates	HIGH DIVERSITY	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
85	Pinnipeds	HIGH	X X X X X X X X X X X	-	-	-	-
107	California sea lion	26-60 INDIV.	X X X X X X X X X X X	-	-	-	-
108	Harbor seal	135-168 INDIV.	X X X X X X X X X X X	-	-	MAR-MAY	-
110	Harbor seal	63-82 INDIV.	X X X X X X X X X X X	-	-	MAR-MAY	-
111	Northern elephant seal		X X X X X X X X X X X	NOV-MAR	-	DEC-MAR	APR-JUL
113	Harbor seal	800 INDIV.	X X X X X X X X X X X	-	-	-	-
426	Gray whale		X X X X X X	-	DEC-FEB	-	-
671	Sea otter	T 95 INDEP / 15 PUPS	X X X X X X X X X X X	-	-	JAN-MAR SEP-NOV	-
672	Sea otter	T 268 INDEP / 57 PUPS	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	-	-	-	-
	Fin whale	E LOW	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	JUL-SEP	JUN-AUG	-	-
	Killer whale	LOW	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	-	-	-	-
	Minke whale	MODERATE	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	-	-	-	-
	Pacific white-sided dolphin	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	-	-	-	-
	Seals	LOW-MODERATE	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	-	-	-	-
	Short-finned pilot whale	LOW	X X X X X X X X X X X	-	-	-	-
690	Blue whale	E HIGH	X X X X X X X	-	-	-	-
	Dall's porpoise	HIGH	X X X X X X X X X X X	-	-	-	-
	Dolphins	HIGH	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	-	-	-	-

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 22 (cont.)

BIOLOGICAL RESOURCES: (cont.)

REPTILE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interinteresting	Juveniles	Adults
76	California red-legged frog	T						X	X	X	X	X			-	-	-	JUN-OCT	-
106	California red-legged frog	T						X	X	X	X	X			-	-	-	JUN-OCT	-
688	Leatherback sea turtle	E MODERATE						X	X	X	X	X	X	X	-	-	-	-	MAY-NOV

HUMAN USE RESOURCES:

ALERT:

ID#	Description
1	Snowy plovers nesting, March-September.
2	Keep out of kelp when transiting. Note potential presence of sea otters if operating outboard motor.

SAMPLING SITE:

HUN#	Name	Contact	Phone
119	PISCO:ANDREW MOLERA	PETE RAIMONDI	831/459-5674
142	PISCO:QUALITATIVE	STEVE LONHART	831/647-4222
156	PISCO:WRECK BEACH	STEVE LONHART	831/647-4222

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	
270	POINT SUR SHP	CA DEPT OF PARKS AND RECREATION	

WILDLIFE REFUGE:

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