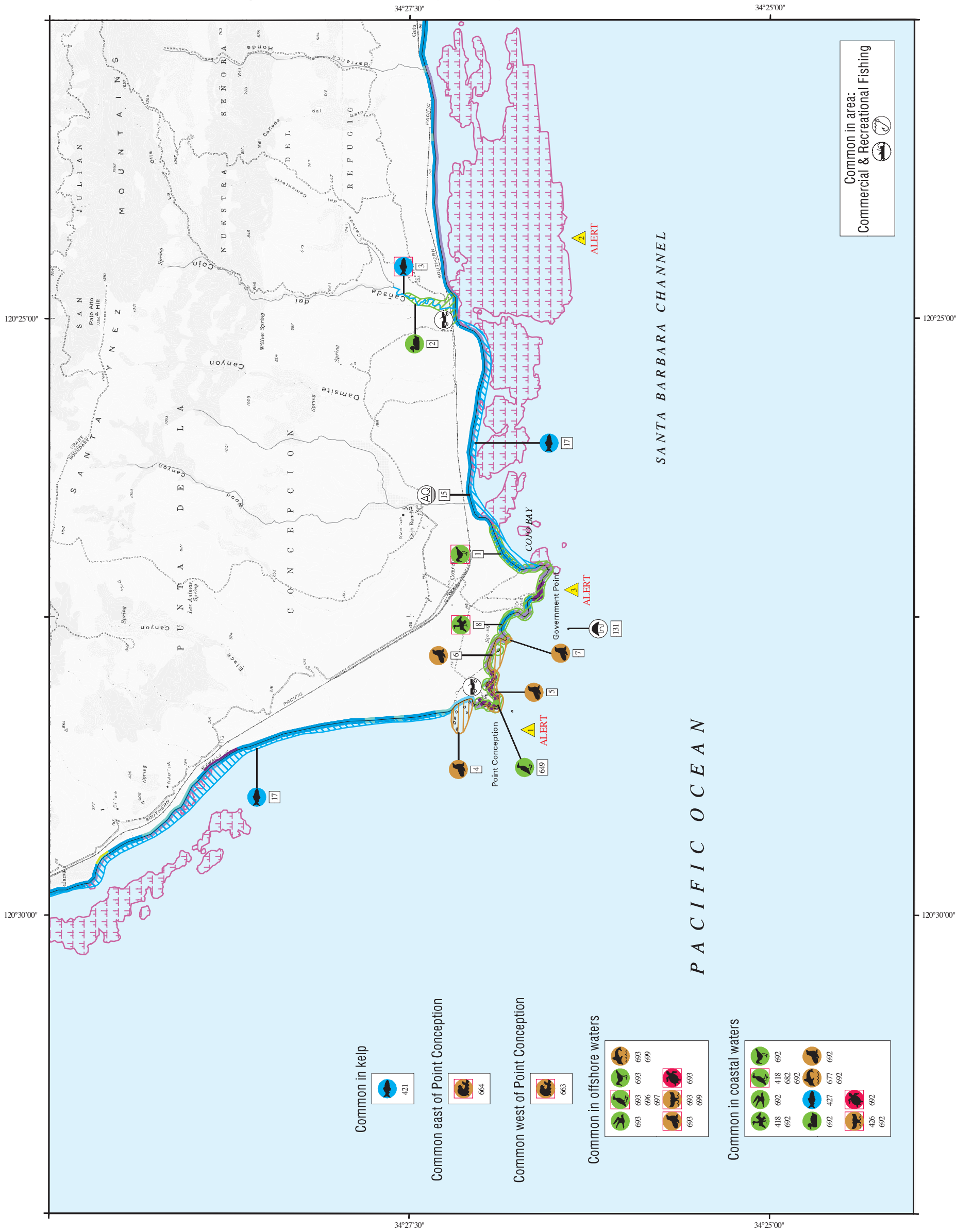


ENVIRONMENTAL SENSITIVITY INDEX MAP



Central California: ESIMAP 1

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	X	MAR-SEP	-	-
2	Waterfowl	HIGH	X	X	X	X	X			X	X	X	X		-	-	-
8	Brown pelican	E E	X	X	X	X	X	X	X	X	X	X	X	X	-	JUL-NOV	-
418	Diving birds	HIGH		X	X	X	X	X	X						FEB-AUG	-	-
	Seabirds	HIGH		X	X	X	X	X	X						FEB-AUG	-	-
649	Seabirds	33 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
682	Sooty shearwater	MODERATE			X	X	X	X	X	X	X	X	X		-	-	APR-OCT
692	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		-	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		-	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		-	OCT-APR	-
	Loons	LOW	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		-	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					-	-	-
	Rhinoceros auklet	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Shearwaters	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	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	-
693	Black-footed albatross	MODERATE	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	X		-	-	APR-OCT
	Xantus' murrelet	T MODERATE							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	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
3	Tidewater goby	E	X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-	-	JAN-DEC
17	Barred surfperch		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	JAN-DEC	MAR-NOV
	California grunion			X	X	X	X	X	X						MAR-AUG	MAR-SEP	-	-	MAR-AUG
	Striped bass					X	X	X	X	X					-	-	-	MAY-SEP	MAY-SEP
	Walleye surfperch		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	JAN-DEC	JAN-DEC
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

MARINE MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
4	Harbor seal	54 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
5	Harbor seal	390-861 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-MAY	-
6	Northern elephant seal	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	DEC-MAR	APR-JUL
7	Harbor seal	143 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	-	DEC-FEB	-	-
663	Sea otter	T 23 INDEP / 0 PUPS	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
664	Sea otter	T 41 INDEP / 0 PUPS	X	X	X	X								X	-	-	-	-
677	Harbor porpoise	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	JUN-AUG	-	-
692	Blue whale	E MODERATE						X	X	X	X	X	X		-	-	-	-
	Bottlenose dolphin	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Dall's porpoise	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	-	-	-	-
	Humpback whale	E MODERATE		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	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Minke whale	LOW	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	-	-	-	-
	Sea lions	MODERATE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Seals	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Short-beaked common dolphin	MODERATE	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	-	-	-	-
693	Baird's beaked whale	LOW		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	-	-	-	-
	Minke whale	LOW	X	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	X	-	-	-	-
	Northern fur seal	MODERATE	X	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	X	-	-	-	-
	Pacific white-sided dolphin	MODERATE	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 1 (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	Pygmy sperm whale	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	-	-	-	-
	Sei whale	E LOW	X 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 X	-	-	-	-
	Short-finned pilot whale	LOW	X 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 X	MAR-JUN	JUN-OCT	-	-
	Steller sea lion	T LOW	X 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 X X X	-	-	-	-
	Dall's porpoise	LOW	X 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 X	-	-	-	-
	Humpback whale	E MODERATE	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	Internesting	Juveniles	Adults
692	Leatherback sea turtle	E LOW	X X X X X X X X X X X X	-	-	-	-	MAY-NOV
693	Leatherback sea turtle	E LOW	X X X X X X X X X X X X	-	-	-	-	MAY-NOV

HUMAN USE RESOURCES:

ALERT:

ID#	Description
1	Elephant seal and harbor seal breeding colony, December-May.
2	Keep out of kelp when transiting. Note potential presence of sea otters if operating outboard motor.
3	Threatened/endangered or rare terrestrial plants potentially in the area.

AQUACULTURE:

HUN#	Name	Contact	Phone
15	CONCEPTION BAY ABALONE COMPANY		

SAMPLING SITE:

HUN#	Name	Contact	Phone
131	PISCO:GOVERNMENT POINT	PETE RAIMONDI	831/459-5674