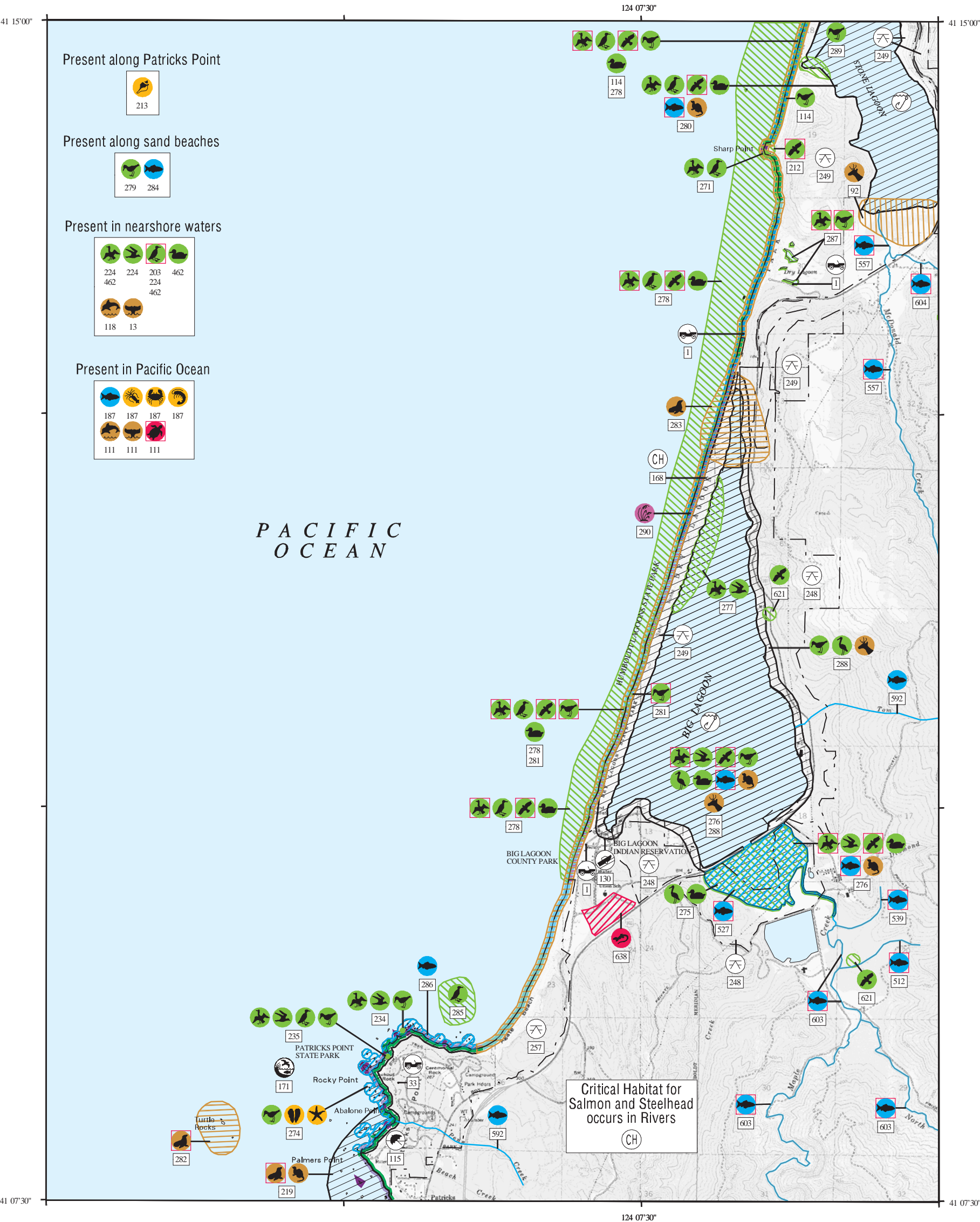


ENVIRONMENTAL SENSITIVITY INDEX MAP



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
- 10A SALT- AND BRACKISH- WATER MARSHES
- 10B FRESHWATER MARSHES
- 10C SWAMPS
- 10D SCRUB- SHRUB WETLANDS

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RODGERS PEAK, CALIF. (1966)
TRINIDAD, CALIF. (1978)

ESI-33

Northern California: ESIMAP 33

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
114	Shorebirds		X	X	X	X			X	X	X	X	X	X	-	MAR-APR JUL-OCT	-
203	Marbled murrelet	E T HIGH			X	X	X	X	X	X	X	X			-	-	-
212	American peregrine falcon	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
224	Diving birds		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Gulls		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Seabirds	250,000	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Terns		X	X	X	X	X	X	X	X	X	X			-	-	-
234	Black oystercatcher	2	X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	-	-
	Pelagic cormorant	14	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Western gull	2	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
235	Black oystercatcher	3 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	-	-
	Pelagic cormorant	25 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Pigeon guillemot	83 INDIV.			X	X	X	X	X	X					MAY-AUG	-	-
	Rhinoceros auklet	20 INDIV.			X	X	X	X	X	X					APR-AUG	-	-
	Western gull	2 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
271	Pelagic cormorant	10 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Pigeon guillemot	4 INDIV.			X	X	X	X	X	X					MAY-AUG	-	-
274	Black oystercatcher		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
275	American coot		X	X	X	X				X	X	X	X		-	-	-
	Cinnamon teal		X	X	X					X	X	X	X		-	-	-
	Green-winged teal		X	X	X	X				X	X	X	X		-	-	-
	Northern shoveler		X	X	X	X				X	X	X	X		-	-	-
	Virginia rail		X	X	X	X				X	X	X	X		-	-	-
276	American peregrine falcon	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	American wigeon		X	X	X	X				X	X	X			-	-	-
	Bald eagle	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black scoter		X	X	X	X				X	X				-	-	-
	Brown pelican	E E 200-300	X	X			X	X	X	X	X	X	X		-	-	-
	Bufflehead	50-100	X	X	X	X				X	X				-	-	-
	California gull								X	X	X	X	X		-	-	-
	Canvasback		X	X	X					X	X				-	-	-
	Clark's grebe		X	X	X	X				X	X	X			-	-	-
	Common loon		X	X	X	X	X			X	X	X	X		-	-	-
	Eared grebe		X	X	X	X				X	X	X	X		-	-	-
	Gadwall		X	X	X	X	X			X	X	X	X		-	-	-
	Greater scaup	100S	X	X	X	X				X	X	X			-	-	-
	Heermann's gull						X	X	X	X	X	X			-	-	-
	Hooded merganser		X	X	X					X	X				-	-	-
	Horned grebe		X	X	X	X				X	X	X			-	-	-
	Lesser scaup		X	X	X					X	X	X			-	-	-
	Mallard		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Merlin		X	X	X	X	X	X		X	X	X	X		MAR-JUN	-	-
	Northern pintail		X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Northern shoveler		X	X	X	X				X	X	X	X		-	-	-
	Osprey		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Pied-billed grebe		X	X	X	X				X	X	X	X		-	-	-
	Red-throated loon		X	X	X	X	X			X	X				-	-	-
	Redhead		X	X						X	X				-	-	-
	Ring-necked duck		X	X	X	X				X	X	X			-	-	-
	Ruddy duck		X	X	X	X				X	X	X			-	-	-
	Surf scoter	100S	X	X	X	X				X	X	X	X		-	-	-
	Western grebe		X	X	X	X	X			X	X	X	X		-	-	-
	Western gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	White-winged scoter	100S	X	X	X	X				X	X	X			-	-	-
	Wood duck		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
277	Caspian tern	50			X	X	X	X	X	X	X	X			-	-	-
	Double-crested cormorant		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Gulls		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
278	American peregrine falcon	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Bald eagle	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Brown pelican	E E 300-500			X	X	X	X	X	X	X	X	X		-	-	-
	Common murre	1000-3000								X	X	X			-	-	-
	Cormorants		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Osprey		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Surf scoter		X	X	X	X				X	X	X	X		-	-	-
	Western grebe		X	X	X	X	X			X	X	X	X		-	-	-
279	Dunlin		X	X	X	X	X			X	X	X			-	-	-
	Killdeer		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-
	Least sandpiper		X	X	X	X				X	X	X	X	X	-	-	-
	Shorebirds	HIGH	X	X	X	X			X	X	X	X	X	X	-	MAR-APR JUL-OCT	-
	Western sandpiper		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
280	American coot	HIGH	X	X	X	X				X	X	X	X		-	-	-
	American peregrine falcon	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	American wigeon		X	X	X	X				X	X	X			-	-	-
	Bald eagle	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Bufflehead	HIGH	X	X	X	X				X	X				-	-	-
	Canvasback		X	X	X					X	X				-	-	-
	Clark's grebe		X	X	X	X				X	X	X			-	-	-
	Common loon		X	X	X	X	X			X	X	X	X		-	-	-
	Eared grebe		X	X	X	X				X	X	X	X		-	-	-
	Gadwall		X	X	X	X	X			X	X	X	X		-	-	-
	Golden eagle		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Greater scaup	HIGH	X	X	X	X				X	X	X			-	-	-
	Hooded merganser		X	X	X					X	X				-	-	-
	Horned grebe		X	X	X	X				X	X	X			-	-	-
	Lesser scaup		X	X	X					X	X	X			-	-	-
	Mallard		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Merlin		X	X	X	X	X	X		X	X	X	X		MAR-JUN	-	-
	Northern pintail	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Osprey		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Pied-billed grebe		X	X	X	X				X	X	X	X		-	-	-
	Red-throated loon		X	X	X	X	X			X	X				-	-	-
	Ring-necked duck		X	X	X	X				X	X	X			-	-	-
	Ruddy duck		X	X	X	X				X	X	X			-	-	-
	Seabirds		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Surf scoter	HIGH	X	X	X	X				X	X	X	X		-	-	-
	Western grebe		X	X	X	X				X	X	X	X		-	-	-
	White-winged scoter	HIGH	X	X	X	X				X	X	X			-	-	-
	Wood duck		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
281	Western snowy plover	T 3-10 BIRDS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
285	Common murre	500												X	-	-	-
287	Brown pelican	E E				X	X	X	X	X	X	X	X		-	-	-
	Double-crested cormorant		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Western snowy plover	T	X	X	X	X				X	X	X	X	X	-	-	-
288	Great blue heron		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Great egret		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Shorebirds	HIGH	X	X	X	X			X	X	X	X	X	X	-	MAR-APR JUL-OCT	-

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.

Northern California: ESIMAP 33 (cont.)

BIOLOGICAL RESOURCES: (cont.)

BIRD: (cont.)

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
289	Semipalmated plover	50-60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
462	Black scoter		X	X	X	X							X	X	-	-	-
	Brandt's cormorant					X	X	X	X	X	X	X	X		-	-	-
	Clark's grebe		X	X	X	X					X	X	X		-	-	-
	Common loon		X	X	X	X					X	X	X	X	-	-	-
	Common murre		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Double-crested cormorant		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Eared grebe		X	X	X	X					X	X	X	X	-	-	-
	Horned grebe		X	X	X	X					X	X	X		-	-	-
	Pacific loon					X	X	X			X	X			-	-	-
	Pelagic cormorant		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Red-throated loon		X	X	X	X	X					X	X		-	-	-
	Surf scoter		X	X	X	X					X	X	X	X	-	-	-
	Western grebe		X	X	X	X	X				X	X	X	X	-	-	-
	White-winged scoter		X	X	X	X					X	X	X		-	-	-
621	Osprey		X	X	X	X	X	X	X	X	X	X	X		FEB-AUG	-	-

FISH:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
187	Bat ray				X	X	X	X	X	X	X	X	X		-	-	-	MAR-NOV	MAR-NOV
	Black rockfish		X	X	X	X	X	X	X	X	X	X	X		SEP-NOV	-	JAN-MAY	JAN-DEC	JAN-DEC
	Black-and-yellow rockfish		X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	-	MAR-MAY	JAN-DEC	JAN-DEC
	Blue rockfish		X	X	X	X	X	X	X	X	X	X	X		NOV-MAR	-	-	JAN-DEC	JAN-DEC
	Bocaccio		X	X	X	X	X	X	X	X	X	X	X		JAN-MAY	JAN-MAY	FEB-MAY	JAN-DEC	JAN-DEC
	Brown rockfish		X	X	X	X	X	X	X	X	X	X	X		DEC-JUL	-	-	JAN-DEC	JAN-DEC
	Brown smoothhound		X	X	X	X	X	X	X	X	X	X	X		MAR-SEP	-	-	JAN-DEC	JAN-DEC
	Cabazon		X	X	X	X	X	X	X	X	X	X	X		OCT-MAR	OCT-APR	OCT-APR	JAN-DEC	JAN-DEC
	California halibut		X	X	X	X	X	X	X	X	X	X	X		FEB-JUN	JAN-SEP	JAN-SEP	JAN-DEC	FEB-OCT
	California skate		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Canary rockfish (orange)		X	X	X	X	X	X	X	X	X	X	X		DEC-MAR	DEC-MAR	DEC-APR	JAN-DEC	JAN-DEC
	Chilipepper		X	X	X	X	X	X	X	X	X	X	X		NOV-JUN	NOV-JUN	JAN-JUN	JAN-DEC	JAN-DEC
	China rockfish		X	X	X	X	X	X	X	X	X	X	X		JAN-JUL	-	-	JAN-DEC	JAN-DEC
	Chinook salmon		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Coho salmon		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Copper rockfish		X	X	X	X	X	X	X	X	X	X	X		FEB-APR	FEB-APR	FEB-APR	JAN-DEC	JAN-DEC
	English sole		X	X	X	X	X	X	X	X	X	X	X		JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Grass rockfish		X	X	X	X	X	X	X	X	X	X	X		DEC-FEB	DEC-MAR	JAN-JUN	JAN-DEC	JAN-DEC
	Gray smoothhound							X	X	X	X				-	-	-	-	JUN-SEP
	Green sturgeon		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Jacksmelt		X	X	X	X	X	X	X	X	X	X	X		JAN-AUG	JAN-AUG	JAN-DEC	JAN-DEC	JAN-DEC
	Kelp greenling		X	X	X	X	X	X	X	X	X	X	X		DEC-MAR	-	-	JAN-DEC	JAN-DEC
	Leopard shark		X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	-	-	JAN-DEC	OCT-JUN
	Lingcod		X	X	X	X	X	X	X	X	X	X	X		NOV-APR	DEC-FEB	FEB-APR	JAN-DEC	JAN-DEC
	Longnose skate		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Monkeyface prickleback		X	X	X	X	X	X	X	X	X	X	X		JAN-APR	-	-	JAN-DEC	JAN-DEC
	Northern anchovy							X	X	X	X	X	X		-	-	JUN-SEP	JUN-NOV	JUN-OCT
	Pacific herring		X	X	X	X	X	X	X	X	X	X	X		NOV-MAR	NOV-MAR	NOV-MAR	MAR-AUG	NOV-MAR
	Pacific sanddab		X	X	X	X	X	X	X	X	X	X	X		JUL-SEP	-	-	JAN-DEC	JAN-DEC
	Pacific sardine							X	X	X					-	-	-	-	JUN-AUG
	Quillback rockfish		X	X	X	X	X	X	X	X	X	X	X		MAR-JUL	-	-	JAN-DEC	JAN-DEC
	Rock greenling		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Sand sole		X	X	X	X	X	X	X	X	X	X	X		JAN-JUL	-	-	JAN-DEC	JAN-DEC
	Sandpaper skate		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Sevengill shark				X	X	X	X	X	X	X	X	X		-	-	-	-	MAR-NOV
	Sixgill shark		X	X	X	X	X	X	X	X	X	X	X		JUN-SEP	-	-	JAN-DEC	JAN-DEC
	Speckled sanddab		X	X	X	X	X	X	X	X	X	X	X		MAR-OCT	-	AUG-DEC	JAN-DEC	JAN-DEC
	Spiny dogfish		X	X	X	X	X	X	X	X	X	X	X		JAN-DEC	-	-	JAN-DEC	JAN-DEC
	Starry flounder		X	X	X	X	X	X	X	X	X	X	X		NOV-FEB	-	-	JAN-DEC	JAN-DEC
	Steelhead		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Striped surfperch		X	X	X	X	X	X	X	X	X	X	X		MAY-JUN	-	-	JAN-DEC	JAN-DEC
	Topsmelt		X	X	X	X	X	X	X	X	X	X	X		APR-JUL	APR-JUL	MAY-AUG	JAN-DEC	JAN-DEC
	Vermilion rockfish		X	X	X	X	X	X	X	X	X	X	X		DEC-MAR	-	-	JAN-DEC	JAN-DEC
	Yellowtail rockfish		X	X	X	X	X	X	X	X	X	X	X		JAN-JUL	JAN-JUL	JAN-JUL	JAN-DEC	JAN-DEC
276	American shad							X	X	X	X				-	-	-	JUN-SEP	MAY-JUL
	California halibut		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	-
	Chinook salmon	T	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-SEP	AUG-JAN
	Coastal cutthroat trout		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JUN-APR
	Coho salmon	T T	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	SEP-JAN
	English sole					X	X	X	X	X	X				-	-	-	APR-SEP	-
	Largemouth bass		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Pacific staghorn sculpin		X	X	X	X	X	X	X	X	X	X	X		DEC-FEB	DEC-FEB	DEC-MAR	JAN-DEC	JAN-DEC
	Speckled sanddab		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	-
	Starry flounder		X	X	X	X	X	X	X	X	X	X	X		-	-	MAY-JUN	JAN-DEC	-
	Steelhead	T	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	OCT-JUN
	Tidewater goby	E	X	X	X	X	X	X	X	X	X	X	X		JAN-DEC	-	-	-	JAN-DEC
280	American shad					X	X	X	X	X					-	-	-	JUN-SEP	MAY-JUL
	California halibut		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	-
	Coho salmon	T T	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	SEP-JAN
	English sole					X	X	X	X	X					-	-	-	APR-SEP	-
	Pacific staghorn sculpin		X	X	X	X	X	X	X	X	X	X	X		DEC-FEB	DEC-FEB	DEC-MAR	JAN-DEC	JAN-DEC
	Shiner surfperch					X	X	X	X	X	X	X	X		MAY-JUL	-	-	MAY-DEC	APR-OCT
	Speckled sanddab		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	-
	Starry flounder		X	X	X	X	X	X	X	X	X	X	X		-	-	MAY-JUN	JAN-DEC	-
	Steelhead	T	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	OCT-JUN
	Tidewater goby	E	X	X	X	X	X	X	X	X	X	X	X		JAN-DEC	-	-	-	JAN-DEC
284	Night smelt		X	X	X	X	X	X	X	X					JAN-SEP	-	-	JAN-SEP	JAN-SEP
	Redtail surfperch		X	X	X	X	X	X	X	X	X	X	X		FEB-NOV	-	-	JAN-DEC	FEB-NOV
	Surf smelt					X	X	X	X	X					JUN-SEP	-	-	MAY-OCT	MAY-OCT
286	Rockfish		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	-
512	Steelhead	T	X	X	X	X	X	X	X	X	X	X	X		DEC-MAY	DEC-JUN	DEC-JUL	JAN-DEC	OCT-JUN
527	Chinook salmon	T	X	X	X	X	X	X	X	X	X	X	X		OCT-JAN	OCT-FEB	NOV-APR	JAN-SEP	AUG-JAN
	Coho salmon	T T	X	X	X	X	X	X	X	X	X	X	X		OCT-FEB	NOV-APR	FEB-JUN	JAN-DEC	SEP-JAN
	Steelhead	T	X	X	X	X	X	X	X	X	X	X	X		DEC-MAY	DEC-JUN	DEC-JUL	JAN-DEC	OCT-JUN
539	Steelhead	T	X	X	X	X	X			X	X	X			-	-	-	-	OCT-JUN
557	Coastal cutthroat trout		X	X	X	X	X	X	X	X	X	X	X		DEC-APR	JAN-APR	-	JAN-DEC	SEP-FEB
	Coho salmon	T T	X	X	X	X	X	X	X	X	X	X	X		OCT-FEB	NOV-APR	FEB-JUN	JAN-DEC	SEP-JAN
	Steelhead	T	X	X	X	X	X	X	X	X	X	X	X		DEC-MAY	DEC-JUN	DEC-JUL	JAN-DEC	OCT-JUN
592	Coastal cutthroat trout		X	X	X	X	X	X	X	X	X	X	X		DEC-APR	JAN-APR	-	JAN-DEC	SEP-FEB
603	Chinook salmon	T	X	X	X	X	X	X	X	X	X	X	X		OCT-JAN	OCT-FEB	NOV-APR	JAN-SEP	AUG-JAN
	Coastal cutthroat trout		X	X	X	X	X	X	X	X	X	X	X		DEC-APR	JAN-APR	-	JAN-DEC	SEP-FEB
	Coho salmon	T T	X	X	X	X	X	X	X	X	X	X	X		OCT-FEB	NOV-APR	FEB-JUN	JAN-DEC	SEP-JAN
	Steelhead	T	X	X	X	X	X	X	X	X	X	X	X		DEC-MAY	DEC-JUN	DEC-JUL	JAN-DEC	OCT-JUN
604	Coastal cutthroat trout		X	X	X	X	X	X	X	X	X	X	X		DEC-APR	JAN-APR	-	JAN-DEC	SEP-FEB
	Steelhead	T	X	X	X	X	X	X	X	X	X	X	X		DEC-MAY	DEC-JUN	DEC-JUL	JAN-DEC	OCT-JUN

HABITAT:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D
290	Beach pea		X	X	X	X	X	X	X	X	X	X	X	X
	Oregon Coast Indian paintbrush		X	X	X	X	X	X	X	X	X	X	X	X
	Pink sand verbena		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 impacts to protected species.

Northern California: ESIMAP 33 (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
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187	California market squid		X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	APR-NOV	APR-JAN	JAN-DEC	JAN-DEC
	Dungeness crab		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	MAR-SEP	JUN-SEP	JAN-DEC
	Ocean pink shrimp		X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	OCT-APR	MAR-JUL	JAN-DEC	JAN-DEC
	Spot prawn		X	X	X	X	X	X	X	X	X	X	X	X	SEP-APR	SEP-APR	SEP-APR	JAN-DEC	JAN-DEC
213	Red abalone		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	APR-JUL	JAN-DEC	JAN-DEC
274	California mussel		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-	JAN-DEC	JAN-DEC
	Pacific littleneck		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	JUN-AUG	JAN-DEC	JAN-DEC
	Sea urchins		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	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
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13	Gray whale		X	X	X	X	X	X	X	X	X	X	X	X	-	DEC-FEB	-	-
111	Killer whale	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	-	-	-	-
	Pacific white-sided dolphin	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Risso's 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	-	-	-	-
118	Harbor porpoise	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	JUN-AUG	-	-
219	California sea lion	1-167 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Harbor seal	233-246 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Steller sea lion	T 1-29 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
282	California sea lion	4-976 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Steller sea lion	T 3-184 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
283	California sea lion		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Harbor seal		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Northern elephant seal	RARE	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
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111	Leatherback sea turtle	E VERY LOW						X	X	X	X	X	X	X	-	-	-	-	MAY-NOV
638	Northern red-legged frog		X	X	X	X	X	X	X	X	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
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92	Roosevelt elk		X	X	X	X	X	X	X	X	X	X	X	X
219	Northern river otter		X	X	X	X	X	X	X	X	X	X	X	X
276	Northern river otter		X	X	X	X	X	X	X	X	X	X	X	X
280	Northern river otter		X	X	X	X	X	X	X	X	X	X	X	X
288	Roosevelt elk		X	X	X	X	X	X	X	X	X	X	X	X

HUMAN USE RESOURCES:

ACCESS:

HUN#	Name	Contact	Phone
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1	ACCESS		
33	PATRICK'S POINT STATE PARK	CSP	707/677-3570

BEACH:

HUN#	Name	Contact	Phone
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115	RECREATIONAL BEACH		

BOAT RAMP:

HUN#	Name	Contact	Phone
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130	BIG LAGOON COUNTY PARK	CDFG	

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
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168	WESTERN SNOWY PLOVER CRITICAL HABITAT	USFWS	707/822-7201

ESSENTIAL HABITAT:

HUN#	Name	Contact	Phone
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171	ESSENTIAL FISH HABITAT HAPC - ROCKY REEF	PACIFIC STATES MARINE FISHERIES COMMISSION	

PARK:

HUN#	Name	Contact	Phone
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248	HARRY A. MERLO SRA	CDPR	707/488-2169
249	HUMBOLDT LAGOONS SP	CDPR	707/488-2169
257	PATRICKS POINT SP	CDPR	707/677-3570