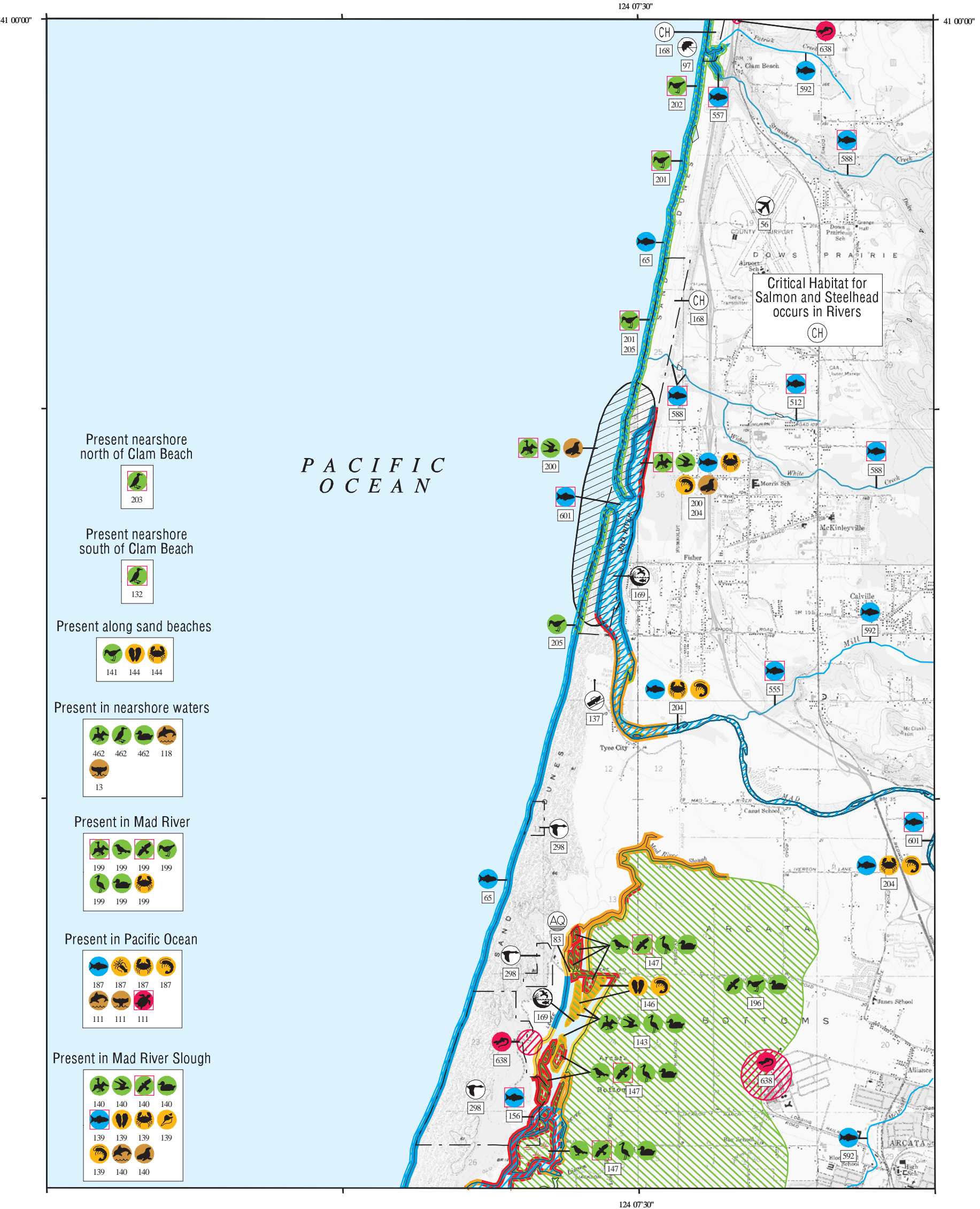


ENVIRONMENTAL SENSITIVITY INDEX MAP

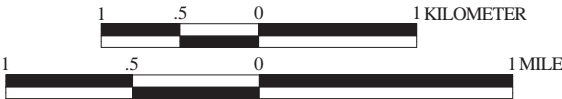


SHORELINE HABITATS (ESI)

- 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

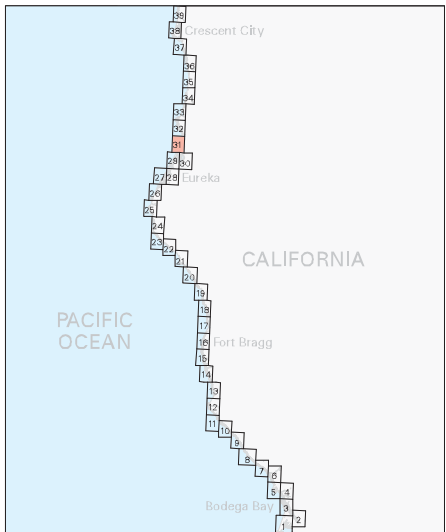


SCALE 1:48000



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TYEE CITY, CALIF. (1972)
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ESI-31

Northern California: ESIMAP 31

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
132	Marbled murrelet	E T MODERATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
140	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	-	-	-
	Brant	1500-20000	X	X	X	X							X	X	-	-	-
	Bufflehead		X	X	X	X							X	X	-	-	-
	Cinnamon teal		X	X	X						X	X	X	X	-	-	-
	Double-crested cormorant		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Greater scaup		X	X	X	X							X	X	-	-	-
	Green-winged teal		X	X	X	X					X	X	X	X	-	-	-
	Mallard		X	X	X								X	X	-	-	-
	Northern pintail		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			FEB-AUG	-	-
	Red-breasted merganser		X	X	X	X	X						X	X	-	-	-
	Ruddy duck		X	X	X	X							X	X	X	-	-
141	American avocet	1000S	X	X	X	X				X	X	X	X	X	-	-	-
	Black turnstone	100S	X	X	X	X			X	X	X	X	X	X	-	-	-
	Black-bellied plover	1000S	X	X	X	X				X	X	X	X	X	-	-	-
	Dunlin	10,000S	X	X	X	X							X	X	X	-	-
	Greater yellowlegs	100S	X	X	X	X				X	X	X	X	X	-	-	-
	Least sandpiper	10,000S	X	X	X	X					X	X	X	X	X	-	-
	Long-billed curlew	1000S	X	X	X	X			X	X	X	X	X	X	-	-	-
	Long-billed dowitcher	100S	X	X	X	X							X	X	X	-	-
	Marbled godwit	10,000S	X	X	X	X			X	X	X	X	X	X	-	-	-
	Sanderling	1000S	X	X	X	X			X	X	X	X	X	X	-	-	-
	Semipalmated plover	1000S				X	X	X			X	X	X	X	-	-	-
	Short-billed dowitcher	1000S				X	X		X	X					-	-	-
	Western sandpiper	>100,000	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Whimbrel	100S				X	X	X			X	X	X		-	-	-
	Willet	10,000S	X	X	X	X				X	X	X	X	X	-	-	-
143	Black-crowned night-heron		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Canada goose		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-
	Cattle egret		X	X	X						X	X	X		-	-	-
	Cormorants		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	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	-	-	-
	Gulls		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Snowy egret		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Terns		X	X	X	X	X	X	X	X	X	X	X		-	-	-
147	American kestrel		X	X	X						X	X	X		-	-	-
	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	-	-	-
	Belted kingfisher		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Dabbling ducks		X	X	X	X						X	X	X	-	-	-
	Diving ducks		X	X	X	X						X	X	X	-	-	-
	Northern harrier		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-
	Red-shouldered hawk		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Red-tailed hawk		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Wading birds		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
196	Aleutian cackling goose		X	X	X	X									-	-	-
	American kestrel		X	X	X						X	X	X		-	-	-
	Dabbling ducks		X	X	X	X					X	X	X		-	-	-
	Raptors		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	-
199	American peregrine falcon	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Belted kingfisher		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Brown pelican	E E				X	X	X	X	X	X	X	X		-	-	-
	Merlin		X	X	X	X	X			X	X	X	X		MAR-JUN	-	-
	Osprey		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Raptors		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Shorebirds	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Wading birds		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Waterfowl		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
200	Brandt's cormorant					X	X	X	X	X	X	X	X		-	-	-
	Brown pelican	E E				X	X	X	X	X	X	X	X		-	-	-
	California gull									X	X	X	X	X	-	-	-
	Caspian tern					X	X	X	X	X	X	X	X		-	-	-
	Double-crested cormorant		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Elegant tern					X	X	X	X	X	X	X	X		-	-	-
	Glaucous-winged gull		X	X	X	X	X			X	X	X	X		-	-	-
	Heermann's gull					X	X	X	X	X	X	X	X		-	-	-
	Pelagic cormorant		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Ring-billed gull		X	X	X	X				X	X	X	X	X	-	-	-
	Western gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
201	Western snowy plover	T 10-12 BIRDS				X	X	X	X	X	X	X	X		MAR-SEP	-	-
202	Western snowy plover	T 5-14 BIRDS				X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
203	Marbled murrelet	E T HIGH				X	X	X	X	X	X	X			-	-	-
205	Black turnstone	100S	X	X	X	X			X	X	X	X	X	X	-	-	-
	Black-bellied plover	1000S	X	X	X	X				X	X	X	X	X	-	-	-
	Dunlin	10,000S	X	X	X	X						X	X	X	-	-	-
	Greater yellowlegs	100S	X	X	X	X				X	X	X	X	X	-	-	-
	Least sandpiper	10,000S	X	X	X	X					X	X	X	X	-	-	-
	Long-billed curlew	1000S	X	X	X	X			X	X	X	X	X	X	-	-	-
	Long-billed dowitcher	100S	X	X	X	X						X	X	X	-	-	-
	Marbled godwit	10,000S	X	X	X	X			X	X	X	X	X	X	-	-	-
	Sanderling	1000S	X	X	X	X			X	X	X	X	X	X	-	-	-
	Semipalmated plover	1000S				X	X	X			X	X	X	X	-	-	-
	Short-billed dowitcher	1000S				X	X		X	X					-	-	-
	Western sandpiper	>100,000	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Whimbrel	100S				X	X	X			X	X	X		-	-	-
	Willet	10,000S	X	X	X	X			X	X	X	X	X	X	-	-	-
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	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		-	-	-
	White-winged scoter		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.

BIOLOGICAL RESOURCES: (cont.)

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
			-	-	-	-	-	-	-	-	-	-	-	-					
65	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	X	FEB-NOV	-	-	JAN-DEC	FEB-NOV
	Silver surfperch		X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	-	JUN-AUG	JAN-DEC	JAN-DEC
	Striped surfperch		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUN	-	-	JAN-DEC	JAN-DEC
	Surf smelt						X	X	X	X	X				MAY-OCT	-	-	MAY-OCT	MAY-OCT
	Walleye surfperch		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN NOV-DEC	-	-	APR-FEB	JAN-DEC
139	White seaperch		X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-	JAN-DEC	JAN-DEC
	Arrow goby		X	X	X	X	X	X	X	X	X	X	X	X	AUG-OCT	AUG-OCT	AUG-DEC	JAN-DEC	JAN-DEC
	Bay goby		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Black rockfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-MAY	JAN-DEC	JAN-DEC
	Black-and-yellow rockfish		X	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		-	-	-	SEP-JUN	SEP-JUN
	Brown rockfish		X	X	X	X	X	X	X	X	X	X	X	X	DEC-JUL	-	-	JAN-DEC	JAN-DEC
	Cabazon		X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	-	JAN-DEC	JAN-DEC
	Chinook salmon	T				X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	JUL-DEC
	Coastal cutthroat trout					X	X	X			X	X	X		-	-	-	MAR-MAY	AUG-OCT
	Coho salmon	T T		X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-MAY	JAN-DEC
	Copper rockfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	English sole		X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-JUN	JAN-DEC	-
	Grass rockfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Jacksmelt					X	X	X	X	X	X	X			APR-JUN	APR-JUN	APR-AUG	APR-OCT	APR-OCT
	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	DEC-JAN	DEC-JAN	JAN-FEB	JAN-DEC	JAN-DEC
	Longfin smelt			X	X	X	X	X	X	X	X	X	X	X	NOV-JAN	NOV-JAN	OCT-FEB	JAN-DEC	OCT-MAR
	Night smelt			X	X	X	X	X	X	X	X				JAN-SEP	-	-	JAN-SEP	JAN-SEP
	Northern anchovy									X	X	X			-	-	-	JUL-SEP	JUL-SEP
	Pacific sand lance			X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-APR	JAN-DEC	JAN-DEC
	Pacific sardine			X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Pacific staghorn sculpin			X	X	X	X	X	X	X	X	X	X	X	DEC-FEB	DEC-FEB	SEP-MAR	JAN-DEC	JAN-DEC
	Pile surfperch			X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Redtail surfperch			X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Rubberlip surfperch			X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Saddleback gunnel			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		-	-	-	-	MAR-NOV
	Shiner surfperch		VERY HIGH	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 31 (cont.)

BIOLOGICAL RESOURCES: (cont.)

FISH: (cont.)

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
204	Saddleback gunnel		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Shiner surfperch		X X X 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	-	-	JUN-AUG	JAN-DEC	JAN-DEC
	Surf smelt		X X X X X X X X X X X	JUN-SEP	JUN-OCT	-	JAN-DEC	JAN-DEC
	Threespine stickleback		X X X X X X X X X X X	MAR-JUL	MAR-JUN	MAR-AUG	JUN-MAR	JAN-DEC
	Topsmelt		X X X X X X X X X	APR-JUN	APR-JUN	APR-JUL	MAR-OCT	MAR-OCT
512	Steelhead	T	X X X X X X X X X X X	DEC-MAY	DEC-JUN	DEC-JUL	JAN-DEC	OCT-JUN
555	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	-	-	-	-	SEP-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
588	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
601	Chinook salmon	T	X X X X X X X X X X X	NOV-FEB	NOV-MAY	DEC-JUL	JAN-DEC	OCT-FEB
	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	JAN-APR	FEB-MAY	MAR-JUL	JAN-DEC	SEP-JUN

INVERTEBRATE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
139	Brown rock crab		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	California bay shrimp		X X X X X X X X X X X	-	-	APR-JUL	JAN-DEC	JAN-DEC
	Dungeness crab		X X X X X X X X X X X	-	-	MAR-JUN	JAN-DEC	JAN-DEC
	Geoduck		X X X X X X X X X X X	MAR-AUG	MAR-AUG	MAR-AUG	JAN-DEC	JAN-DEC
	Green crab		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Horseneck gaper		X X X X X X X X X X X	FEB-APR	-	-	JAN-DEC	JAN-DEC
	Lewis's moonsnail		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Pacific gaper		X X X X X X X X X X X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	Red rock crab		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
144	Pacific razor clam	LOW	X X X X X X X X X X X	MAY-JUN	-	-	JAN-DEC	JAN-DEC
	Pacific sand crab		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
146	California butterclam		X X X X X X X X X X X	MAR-NOV	-	-	-	JAN-DEC
	Cockles		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Ghost shrimp		X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Manila clam		X X X X X X X X X X X	MAY-JUL	-	JUN-AUG	JAN-DEC	JAN-DEC
	Pacific littleneck	HIGH	X X X X X X X X X X X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Softshell clam		X X X X X X X X X X X	APR-OCT	APR-OCT	APR-OCT	JAN-DEC	JAN-DEC
	Washington butterclam		X X X X X X X X X X X	MAR-NOV	-	-	-	JAN-DEC
187	California market squid		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	MAR-JUN	-	MAR-SEP	JUN-SEP	JAN-DEC
	Ocean pink shrimp		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	SEP-APR	SEP-APR	SEP-APR	JAN-DEC	JAN-DEC
199	Dungeness crab		X X X X X X X X X X X	-	-	MAR-JUN	JAN-DEC	JAN-DEC
204	California bay shrimp		X X X X X X X X X X X	DEC-AUG	DEC-AUG	DEC-SEP	JAN-DEC	JAN-DEC
	Yellow shore crab		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
13	Gray whale		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	-	-	-	-
	Minke whale	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	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	-	-	-	-
118	Harbor porpoise	HIGH	X X X X X X X X X X X	JUL-SEP	JUN-AUG	-	-
140	California sea lion		X X X X X X X X X X X	-	-	-	-
	Harbor porpoise		X X X X X X X X X X X	JUL-SEP	JUN-AUG	-	-
200	Harbor seal	98 INDIV.	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
111	Leatherback sea turtle	E VERY LOW	X 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	MAR-JUL	-	-	-	-

HUMAN USE RESOURCES:

AIRPORT:

HUN#	Name	Contact	Phone
56	ARCATA AIRPORT		

AQUACULTURE:

HUN#	Name	Contact	Phone
83	MAD RIVER SLOUGH MARICULTURE SITES	KUIPER MARICULTURE	707/822-9057

BEACH:

HUN#	Name	Contact	Phone
97	CLAM BEACH COUNTY PARK	CDFG	

BOAT RAMP:

HUN#	Name	Contact	Phone
137	MAD RIVER BEACH COUNTY PARK	CDFG	

CRITICAL HABITAT:

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

ESSENTIAL HABITAT:

HUN#	Name	Contact	Phone
169	ESSENTIAL FISH HABITAT HAPC - ESTUARIES	PACIFIC STATES MARINE FISHERIES COMMISSION	

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
298	HUMBOLDT BAY NWR	USFWS	707/733-5406

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.