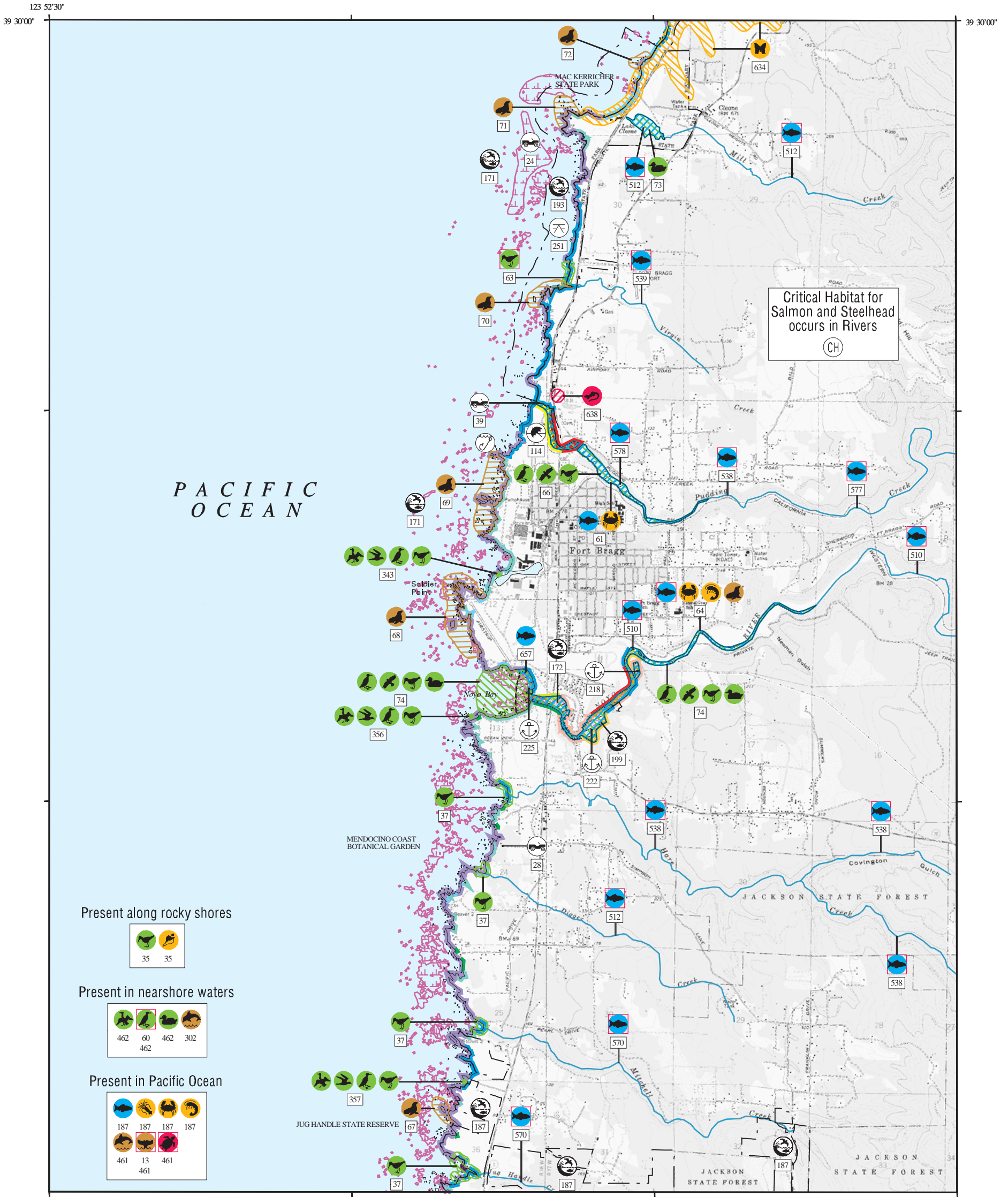


# ENVIRONMENTAL SENSITIVITY INDEX MAP



123 52'30"

### 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

1 KILOMETER

1 MILE

CALIFORNIA

PACIFIC OCEAN

Crescent City

Eureka

Fort Bragg

Bodega Bay

Not For Navigation  
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Emergency Response Division

FORT BRAGG, CALIF. (1978) **ESI-16**



Northern California: ESIMAP 16 (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
187	Coho salmon		X	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	X	FEB-APR	FEB-APR	FEB-APR	JAN-DEC	JAN-DEC
	English sole		X	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	X	DEC-FEB	DEC-MAR	JAN-JUN	JAN-DEC	JAN-DEC
	Gray smoothhound							X	X	X					-	-	-	-	JUN-SEP
	Green sturgeon		X	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	X	JAN-AUG	JAN-AUG	JAN-DEC	JAN-DEC	JAN-DEC
	Kelp greenling		X	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	X	MAR-JUN	-	-	JAN-DEC	OCT-JUN
	Lingcod		X	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	X	-	-	-	JAN-DEC	JAN-DEC
	Monkeyface prickleback		X	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	X	-	-	JUN-SEP	JUN-NOV	JUN-OCT
	Pacific herring		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	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	X	MAR-JUL	-	-	JAN-DEC	JAN-DEC
	Rock greenling		X	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	X	JAN-JUL	-	-	JAN-DEC	JAN-DEC
	Sandpaper skate		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Sevengill shark							X	X	X	X	X	X	X	-	-	-	-	MAR-NOV
	Sixgill shark		X	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	X	MAR-OCT	-	AUG-DEC	JAN-DEC	JAN-DEC
	Spiny dogfish		X	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	X	NOV-FEB	-	-	JAN-DEC	JAN-DEC
	Steelhead		X	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	X	MAY-JUN	-	-	JAN-DEC	JAN-DEC
	Topsmelt		X	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	X	DEC-MAR	-	-	JAN-DEC	JAN-DEC
	Yellowtail rockfish		X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	JAN-JUL	JAN-JUL	JAN-DEC	JAN-DEC
510	Chinook salmon	T								X	X	X	X	X	-	-	-	-	AUG-JAN
	Coho salmon	E E								X	X	X	X	X	OCT-FEB	NOV-APR	FEB-JUN	JAN-DEC	SEP-JAN
	Steelhead	T								X	X	X	X	X	-	-	-	JAN-DEC	NOV-FEB
512	Steelhead	T								X	X	X	X	X	DEC-MAY	DEC-JUN	DEC-JUL	JAN-DEC	OCT-JUN
538	Coho salmon	E E								X	X	X	X	X	-	-	-	JAN-DEC	SEP-JAN
	Steelhead	T								X	X	X	X	X	-	-	-	JAN-DEC	OCT-JUN
539	Steelhead	T								X	X	X	X	X	-	-	-	-	OCT-JUN
570	Steelhead	T								X	X	X	X	X	-	-	-	JAN-DEC	OCT-JUN
577	Coho salmon	E E								X	X	X	X	X	-	-	-	JAN-DEC	SEP-JAN
	Steelhead	T								X	X	X	X	X	DEC-MAY	DEC-JUN	DEC-JUL	JAN-DEC	OCT-JUN
578	Coho salmon	E E								X	X	X	X	X	-	-	-	JAN-DEC	SEP-JAN
	Steelhead	T								X	X	X	X	X	-	-	-	JAN-DEC	OCT-JUN
	Tidewater goby	E								X	X	X	X	X	JAN-DEC	-	-	-	JAN-DEC
657	Redtail surfperch									X	X	X	X	X	FEB-NOV	-	-	JAN-DEC	FEB-NOV
	Silver surfperch									X	X	X	X	X	SEP-OCT	-	JUN-AUG	JAN-DEC	JAN-DEC
	Striped surfperch									X	X	X	X	X	MAY-JUN	-	-	JAN-DEC	JAN-DEC
	Walleye surfperch									X	X	X	X	X	APR-JUN NOV-DEC	-	-	APR-FEB	JAN-DEC
	White seaperch									X	X	X	X	X	MAY-AUG	-	-	JAN-DEC	JAN-DEC

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
35	Red abalone		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	APR-JUL	JAN-DEC	JAN-DEC
61	Dungeness crab		X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-JUN	JAN-DEC	JAN-DEC
64	California bay shrimp		X	X	X	X	X	X	X	X	X	X	X	X	DEC-AUG	DEC-AUG	DEC-SEP	JAN-DEC	JAN-DEC
	Dungeness crab		X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	-
	Yellow shore crab		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
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
634	Globose dune beetle		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
13	Gray whale		X	X	X	X	X	X	X	X	X	X	X	X	-	DEC-FEB	-	-
64	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	-	-	-	-
67	Harbor seal	35-47 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
68	California sea lion	86 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Harbor seal	71-124 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
69	Harbor seal	47-68 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
70	Harbor seal	20 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
71	Harbor seal	85-86 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
72	Harbor seal	136-229 INDIV.	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
302	Harbor porpoise		X	X	X	X	X	X	X	X	X	X	X	X	JUL-SEP	JUN-AUG	-	-
461	Blue whale	E LOW							X	X	X	X	X	X	-	-	-	-
	Humpback whale	E MODERATE							X	X	X	X	X	X	-	-	-	-
	Killer whale	LOW							X	X	X	X	X	X	-	-	-	-
	Minke whale	LOW							X	X	X	X	X	X	-	-	-	-
	Pacific white-sided dolphin	LOW							X	X	X	X	X	X	-	-	-	-
	Risso's dolphin	LOW							X	X	X	X	X	X	-	-	-	-
	Short-finned pilot whale	LOW							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
461	Leatherback sea turtle	E VERY LOW							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	-	-	-	-

HUMAN USE RESOURCES:

ACCESS:

HUN#	Name	Contact	Phone
24	MACKERRICHER STATE PARK	CSP	707/964-9112
28	MENDOCINO COAST BOTANICAL GARDENS	GARDEN BY THE SEA	707/964-4352
39	PUDDING CREEK BEACH AREA	CDFG	

BEACH:

HUN#	Name	Contact	Phone
114	PUDDING CREEK BEACH AREA	CDFG	

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 16 (cont.)**

**HUMAN USE RESOURCES: (cont.)**

**ESSENTIAL HABITAT:**

<b>HUN#</b>	<b>Name</b>	<b>Contact</b>	<b>Phone</b>
171	ESSENTIAL FISH HABITAT HAPC - ROCKY REEF	PACIFIC STATES MARINE FISHERIES COMMISSION	
172	ESSENTIAL FISH HABITAT HAPC - SEAGRASS	PACIFIC STATES MARINE FISHERIES COMMISSION	

**MANAGEMENT AREA:**

<b>HUN#</b>	<b>Name</b>	<b>Contact</b>	<b>Phone</b>
187	JUG HANDLE SR	CDPR	707/937-5804
193	MACKERRICHER SMCA	CDFG	
199	NOYO RIVER FA	CDFG	

**MARINA:**

<b>HUN#</b>	<b>Name</b>	<b>Contact</b>	<b>Phone</b>
218	DOLPHIN COVE MARINA		
222	MARINA		
225	NOYO RIVER AND HARBOR	CDFG	

**PARK:**

<b>HUN#</b>	<b>Name</b>	<b>Contact</b>	<b>Phone</b>
251	MACKERRICHER SP	CDPR	707/964-9112