# ENVIRONMENTAL SENSITIVITY INDEX MAP





# Southern California: ESIMAP 49

# BIOLOGICAL RESOURCES:

BIRD:

BIRD	:							
RAR#	Species	S F Conc.	JFMAMJJASOND	Nesting	Migrating	Molting	ſ	
							-	
3	Surf scoter Western grebe		X X X X X X X X X X X X X X X X X X X	-	-	_		
8	California gull			_	-	_		
0	Double-crested cormorant			_	-	_		
	Heermann's gull		* * * * * * * * * * * * * *	-	-	-		
12	Common tern		хххххх	-	-	-		
	Elegant tern Pacific loon		X X X X X X X X X X X X X X X X X X X	-	-	-		
13	Brandt's cormorant			_	-	_		
10	Brown pelican		X X X X X X X X	_	-	_		
	Western gull		* * * * * * * * * * * * * *	-	-	-		
14	Alcids		ххххх	-	-	-		
	Ashy storm-petrel	C	X X X X X X X X X X X X X X X X X X X	-	-	-		
	Black-legged kittiwake Black-vented shearwater		X X X X X X X X X X X X X X X X X X X	_	-	_		
	Bonaparte's gull		X X X X X X X X X X X X X X X X X X X	_	_	_		
	Brown booby		* * * * * * * * * * * * *	-	_	_		
	Cassin's auklet	C	* * * * * * * * * * *	-	-	-		
	Common tern		X X X X X X X	-	-	-		
	Jaegers Pink-footed shearwater		X X X X X X X X X X X X X X X X X X X	_	_	_		
	Red phalarope		XX XXXX	_	_	_		
	Red-necked phalarope		хххххх	-	_	_		
	Rhinoceros auklet		X X X X X X X X X X X X X X X X X X X	-	-	-		
	Sooty shearwater	-	X X X X X	-	-	-		
399	Xantus's murrelet Ashy storm-petrel	T C 0-52	X X X X X X X X X X X X X X X X X X X		-	_		
	Bald eagle	E 6 PAIRS			_	_		
	Osprey			_	-	-		
	Peregrine falcon		X X X X X X X X X X	-	-	-		
	Western gull	4	X X X X X X X X X X X X X X X X X X X		-	-		
4//	Western gull	2	* * * * * * * * * * * * * *	LEB-SED	-	-		
FISH	:							
RAR#	Species	S F Conc.	JFMAMJJASOND	Spawning	Eggs	Larvae	Juveniles	Adults
	California grunion	POSSIBLE RUNS	* * * * * * * * * * * * * *	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC
	Rocky intertidal fish		X X X X X X X X X X X X X X X X X X X	-	- MAR-SEP	-		
507	California grunion	CONSISTENT RUNS	* * * * * * * * * * * * * *	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC
HABI	TAT:							
RAR#	Species	S F Conc.	JFMAMJJASOND					
399	Rocky intertidal plants							
	noony incorcidar planes		* * * * * * * * * * * * * *					
INVE	RTEBRATE:		* * * * * * * * * * * * * * * *					
INVE RAR#	RTEBRATE:	S F Conc.	JFMAMJJASOND	Spawning	Eggs	Larvae	Juveniles	Adults
		S F Conc.		Spawning	Eggs	Larvae	Juveniles	Adults
	RTEBRATE: Species			Spawning 	Eggs 	Larvae 	Juveniles	Adults
<b>RAR#</b>  399	RTEBRATE: Species Rocky intertidal invertebrates		JFMAMJJASOND 	Spawning 	Eggs 	Larvae 	Juveniles 	Adults 
RAR#  399 MARI	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL:		J F M A M J J A S O N D					Adults 
<b>RAR#</b>  399	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL:	S F Conc.	JFMAMJJASOND 		Eggs  - Calving	Larvae  Pupping	Juveniles  - Molting 	Adults  -
RAR#  399 MARI	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species	S F Conc.	J F M A M J J A S O N D					Adults  -
RAR#  399 MARI RAR#  3	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species	S F Conc.	J F M A M J J A S O N D 				- Molting	Adults  -
RAR#  399 MARI RAR#  3	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion	<b>S F Conc.</b> PRIMARY PRIMARY PRIMARY PRIMARY	J F M A M J J A S O N D 	 Mating 	 Calving 	- Pupping  - -	- Molting  - AUG-SEP	Adults 
RAR#  399 MARI RAR#  3	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise	<b>S F Conc.</b> PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY	J F M A M J J A S O N D 	 Mating 			 Molting  -	Adults 
RAR#  399 MARI RAR#  3	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise	S F Conc. PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY	J F M A M J J A S O N D 	 Mating 		- Pupping  - -	- Molting  - AUG-SEP	Adults 
RAR#  399 MARI RAR#  3	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise	<b>S F Conc.</b> PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY	J F M A M J J A S O N D 	 Mating 	 Calving 	- Pupping  - -	- Molting  - AUG-SEP	Adults 
RAR#  399 MARI RAR#  3	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Killer whale	S F Conc. PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY PRIMARY	J F M A M J J A S O N D 	 Mating 		- Pupping  - -	- Molting  - AUG-SEP	Adults 
RAR#  399 MARI RAR#  3	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Dall's porpoise Killer whale Northern right-whale dolphin Northern right-whale dolphin	S F Conc. PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY	J       F       M       A       M       J       J       A       S       O       N       D         X	 Mating  - - - - - - - - - - - - - - -		- Pupping  - -	- Molting  - AUG-SEP	Adults 
RAR#  399 MARI RAR#  3	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Dall's porpoise Killer whale Minke whale Northern right-whale dolphin Northern right-whale dolphin Pacific white-sided dolphin	S F Conc. PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY	J       F       M       A       M       J       J       A       S       O       N       D         X	 Mating 		- Pupping  - -	- Molting  - AUG-SEP	Adults 
RAR#  399 MARI RAR#  3	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Dall's porpoise Killer whale Minke whale Northern right-whale dolphin Northern right-whale dolphin Pacific white-sided dolphin Pacific white-sided dolphin	S F Conc. PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY PRIMARY SECONDARY	J     F     M     A     M     J     J     A     S     O     N     D       X <td> Mating  - - - - - - - - - - - - - - -</td> <td></td> <td>- Pupping  - -</td> <td>- Molting  - AUG-SEP</td> <td>Adults </td>	 Mating  - - - - - - - - - - - - - - -		- Pupping  - -	- Molting  - AUG-SEP	Adults 
RAR#  399 MARI RAR#  3	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Dall's porpoise Killer whale Minke whale Northern right-whale dolphin Northern right-whale dolphin Pacific white-sided dolphin	S F Conc. PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY	J       F       M       A       M       J       J       A       S       O       N       D         X	 Mating  - - - - - - - - - - - - - - -		- Pupping  - -	- Molting  - AUG-SEP	Adults 
RAR#  399 MARI RAR#  3	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Dall's porpoise Killer whale Northern right-whale dolphin Northern right-whale dolphin Pacific white-sided dolphin Pacific white-sided dolphin Risso's dolphin	S F Conc. PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY PRIMARY SECONDARY PRIMARY PRIMARY PRIMARY	J       F       M       A       M       J       J       A       S       O       N       D         X	 Mating  - - - - - - - - - - - - - - -		- Pupping  - -	- Molting  - AUG-SEP	Adults 
RAR# 399 MARI RAR#  3 536	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Dall's porpoise Killer whale Minke whale Northern right-whale dolphin Northern right-whale dolphin Pacific white-sided dolphin Pacific white-sided dolphin Risso's dolphin Short-beaked common dolphin Short-finned pilot whale Striped dolphin	S F Conc. PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY PRIMARY PRIMARY SECONDARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY	J       F       M       A       M       J       J       A       S       O       N       D         X	 Mating  - - - - - - - - - - - - - - -		- Pupping  - -	- Molting  - AUG-SEP	Adults 
RAR# 399 MARI RAR#  3 536	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Dall's porpoise Killer whale Northern right-whale dolphin Northern right-whale dolphin Pacific white-sided dolphin Pacific white-sided dolphin Risso's dolphin Short-beaked common dolphin Short-finned pilot whale Striped dolphin Baird's beaked whale	S F Conc. PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY PRIMARY PRIMARY SECONDARY PRIMARY SECONDARY PRIMARY RIMARY PRIMARY RARE RARE SECONDARY	J       F       M       A       M       J       J       A       S       O       N       D         X			- Pupping  - -	- Molting  - AUG-SEP	Adults 
RAR# 399 MARI RAR#  3 536	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Dall's porpoise Killer whale Northern right-whale dolphin Northern right-whale dolphin Pacific white-sided dolphin Pacific white-sided dolphin Risso's dolphin Short-beaked common dolphin Short-beaked common dolphin Short-finned pilot whale Striped dolphin Baird's beaked whale Cuvier's beaked whale	S F Conc. PRIMARY PRIMARY PRIMARY PRIMARY PRIMARY SECONDARY PRIMARY PRIMARY SECONDARY PRIMARY SECONDARY PRIMARY RIMARY RARE RARE SECONDARY SECONDARY SECONDARY	J         F         N         A         M         J         J         A         S         O         N         D           X			- Pupping  - -	- Molting  - AUG-SEP	Adults 
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<b>RAR#</b> 399 <b>MARI</b> RAR#3 536	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Dall's porpoise Killer whale Northern right-whale dolphin Northern right-whale dolphin Pacific white-sided dolphin Pacific white-sided dolphin Risso's dolphin Short-beaked common dolphin Short-finned pilot whale Striped dolphin Baird's beaked whale Cuvier's beaked whales Sperm whale Blue whale	S F Conc. PRIMARY SECONDARY SECONDARY SECONDARY SECONDARY SECONDARY SECONDARY PRIMARY	J       F       M       A       M       J       J       A       S       O       N       D         X			- Pupping - - - - - - - - - - - - - - - - - - -	- Molting  - AUG-SEP	Adults
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RAR# 399 MARI RAR#  3 536 539 542 543	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Dall's porpoise Miller whale Northern right-whale dolphin Northern right-whale dolphin Pacific white-sided dolphin Pacific white-sided dolphin Risso's dolphin Short-beaked common dolphin Short-beaked common dolphin Short-finned pilot whale Striped dolphin Baird's beaked whale Cuvier's beaked whale Mesoplodont beaked whales Sperm whale Blue whale Blue whale Blue whale Blue whale Fin whale Humpback whale North Pacific right whale Gray whale	SFConc.PRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYSECONDARYPRIMARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYSECONDARYSECONDARYSECONDARYSECONDARYSECONDARYSECONDARYSECONDARYSECONDARYRARESECONDARYRARERAREPRIMARYRAREPRAREPRIMARYRAREPRIMARYRAREPRIMARYRAREPRIMARYRAREPRIMARYRAREPRIMARYRAREPRIMARY	J       F       M       A       M       J       J       A       S       O       N       D         X	Mating 		- Pupping - - - - - - - - - - - - - - - - - - -	- Molting  - AUG-SEP	Adults
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RAR# 399 MARI RAR#  3 536 539 542 542 543 629	RTEBRATE: Species Rocky intertidal invertebrates NE MAMMAL: Species Pacific harbor seal Bottlenose dolphin California sea lion Dall's porpoise Dall's porpoise Dall's porpoise Killer whale Northern right-whale dolphin Northern right-whale dolphin Pacific white-sided dolphin Pacific white-sided dolphin Risso's dolphin Short-beaked common dolphin Short-beaked common dolphin Short-finned pilot whale Striped dolphin Baird's beaked whale Cuvier's beaked whale Mesoplodont beaked whales Sperm whale Blue whale Blue whale Blue whale Blue whale Cray whale Gray whale Gray whale Cary whale Cong-beaked common dolphin California sea lion	SFConc.PRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYSECONDARYPRIMARYRARESECONDARYSECONDARYSECONDARYSECONDARYSECONDARYSECONDARYESECONDARYERARESECONDARYRAREERAREFRAREPRIMARYRAREPRIMARYRARESECONDARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARYPRIMARY	J         F         M         A         M         J         J         A         S         O         N         D           X					Adults

REPTILE:

RAR#	Species	S F Conc.	ЈҒМАМЈЈА	SOND	Nesting	Hatching	Internesting	Juveniles	Adults
409	Loggerhead sea turtle	T RARE	X X X X X X X X X	ХХХХ	-	-	-	-	-
668	Leatherback sea turtle	E SECONDARY	ΧΧΧΧΧ		-	-	-	-	MAR-JUL
TERRI	ESTRIAL MAMMAL:								
RAR#	Species	S F Conc.	ЈҒМАМЈЈА	SOND					
400	Santa Catalina island fox	ΤE	X X X X X X X X X	хххх					
=====					========		=============	==========	======
HUMAI	N USE RESOURCES:								
ACP S	SENSITIVE SITES:								
ACP SI	ITE# Name			Contact					
5-470-	-A/B Seal Rocks - Catalina Islan	nd		CDF&G OSI	PR				

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# Southern California: ESIMAP 49 (cont.)

HUMAN USE RESOURCES: (cont.)

#### FISHERY AREA:

HUN#	Name	J						JA				)
408	Barred sand bass	- v						 x x				,
100	California halibut							хx				
	California market squid							хх				
	California scorpionfish	Х	Х	Х	Х	Х	X	хх	Х	Х	ХХ	S
	California sheephead					X	X	хх				
	California spiny lobster	Х									XX	
	Dover sole Kelp bass							X X X X				
	Lingcod	Λ	л	л				хх				•
	Northern anchovy	Х	х	Х				хх				5
	Ocean whitefish			Х	Х	X	X	хх	Х	Х	ХХ	Ś
	Pacific chub mackerel							хх				
	Pacific sanddab							ХХ				
	Pacific sardine Ridgeback prawn				X X			ХХ			XX	
	Rock crabs							хх				
	Rockfish							хх				
	Sablefish	Х	Х	Х	Х	X	X	ХХ	Х	Х	ХХ	2
	Sea cucumbers							хх				
	Sea urchins							XX				
	Shark Sheep crab							X X X X				
	Spot prawn	21						XX			21 2	•
	Surfperch	Х						хх			ХХ	Ś
	Swordfish	Х	Х	Х	Х	X	X	хх	Х	Х	ХХ	2
	Thornyhead spp.							ХХ				
	Tuna Narta dae dugumbar							XX				
	Warty sea cucumber White seabass							X X X X				
	Yellowtail							хх				
537	Barred sand bass	Х	Х	Х	Х	X	X	хх	Х	Х	ХХ	2
	Cabezon							ХХ				
	California halibut							ХХ				
	California market squid California scorpionfish							X X X X				
	California sheephead	л	л					хх				
	California spiny lobster	Х	Х								ХХ	
	Dover sole	Х	Х	Х	Х	X	X	ХХ	Х	Х	ХХ	2
	Kelp bass	Х	Х	Х				хх				Ľ
	Lingcod		37	37				XX				,
	Northern anchovy Ocean whitefish	A	л					X X X X				
	Pacific angel shark	Х	х					XX				
	Pacific bonito	Х	Х	Х	Х	X	x z	хх	Х	Х	ХХ	Ś
	Pacific chub mackerel	Х	Х	Х	Х	X	X	хх	Х	Х	ХХ	2
	Pacific sanddab							ХХ				
	Pacific sardine							XX				
	Rock crabs Rockfish	Λ	Λ					X X X X				
	Sablefish	Х	Х					хх				
	Sea cucumbers	Х	Х	Х	Х	Х	X	хх	Х	Х	ХХ	Ś
	Sea urchins							хх				
	Shark							ХХ				
	Sheep crab Spot prawn	A						X X X X			A 2	•
	Surfperch	Х						хх			хх	2
	Swordfish	Х	Х	Х	Х	X	X	хх	Х	Х	ХХ	2
	Thornyhead spp.							хх				
	Tuna							ХХ				
	Warty sea cucumber White seabass							х X X X				
	Yellowtail							хX				
572	Barred sand bass							хх				
	California halibut	Х	Х	Х	Х	X	X	ХХ	Х	Х	ХХ	2
	California market squid							ХХ				
	California scorpionfish	Х	Х					XX				
	California sheephead California spiny lobster	х	x			Λ.	^ 1	ХХ			хх	
	Dover sole					x	x	хх				
	Flatfish	Х	Х	Х	Х	X	X	хх	Х	Х	ХХ	£
	Kelp bass	Х	Х	Х				хх				2
	Lingcod							ХХ				
	Northern anchovy Ocean whitefish	Х	х					X X X X				
	Pacific bonito	х	x					хx				
	Pacific chub mackerel							хх				
	Pacific sardine							хх				
	Rock crabs	Х	Х					хх				
	Rockfish	٦,7	77					XX				
	Sablefish Sea cucumbers							X X X X				
	Sea urchins							хх				
	Shark							хх				
	Sheep crab	Х						хх			ХХ	ć
	Spot prawn							XX				-
	Surfperch Swordfish							X X X X				

	5 WOL GLI DH	
	Thornyhead spp.	* * * * * * * * * * * * *
	Tuna	* * * * * * * * * * * * *
	White seabass	* * * * * * * * * * * * *
	Yellowtail	* * * * * * * * * * * * *
578	Barred sand bass	* * * * * * * * * * * * *
	California halibut	* * * * * * * * * * * * *
	California market squid	* * * * * * * * * * * * *
	California scorpionfish	* * * * * * * * * * * * *
	California sheephead	* * * * * * * * * * * *
	California spiny lobster	X X X X X X X X X
	Dover sole	* * * * * * * * * * * * *
	Kelp bass	* * * * * * * * * * * * *
	Lingcod	X X X X X X X X
	Northern anchovy	* * * * * * * * * * * * *
	Ocean whitefish	* * * * * * * * * * * *
	Pacific bonito	* * * * * * * * * * * * *
	Pacific chub mackerel	* * * * * * * * * * * * *
	Pacific sanddab	* * * * * * * * * * * * *
	Pacific sardine	* * * * * * * * * * * * *
	Rock crabs	* * * * * * * * * * * * *
	Rockfish	* * * * * * * * * * * *
	Sablefish	* * * * * * * * * * * * *
	Sea cucumbers	* * * * * * * * * * * * *
	Sea urchins	* * * * * * * * * * * * *
	Shark	* * * * * * * * * * * * *
	Spot prawn	X X X X X X X X X
	Surfperch	* * * * * * * * * * * * *
	Swordfish	* * * * * * * * * * * * *

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# Southern California: ESIMAP 49 (cont.)

HUMAN USE RESOURCES: (cont.)

#### FISHERY AREA: (cont.)

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хххххххх
ххххххх
ххххххх

### MARINA:

#### HUN# Name

HUN#	Name	Contact	Phone
646	AVALON BAY	CITY OF AVALON	310/510-053
WATER	INTAKE:		

# HUN# Name

---------868 AVALON DESAL PLANT

Contact -----

-----0535

Phone

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