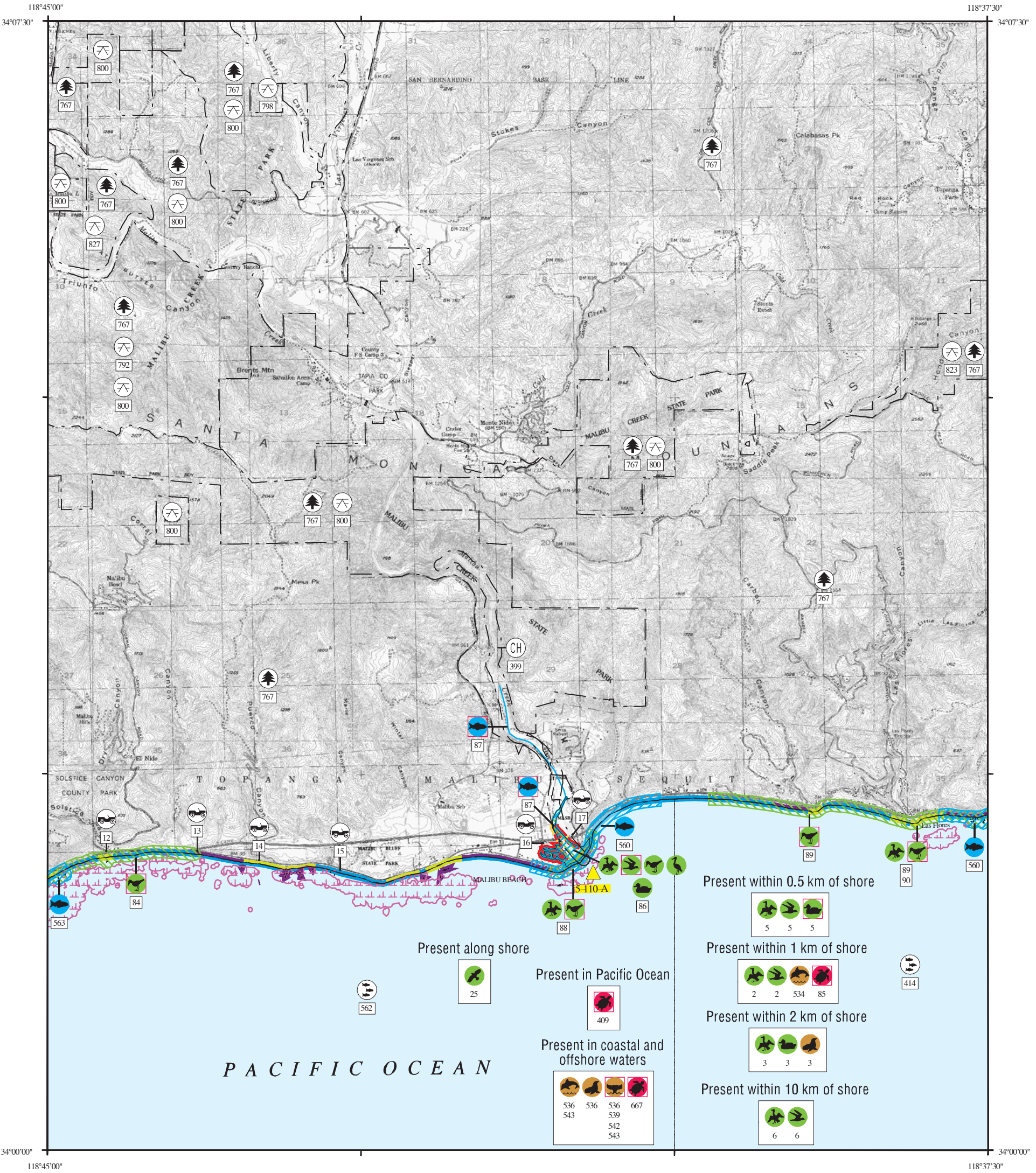
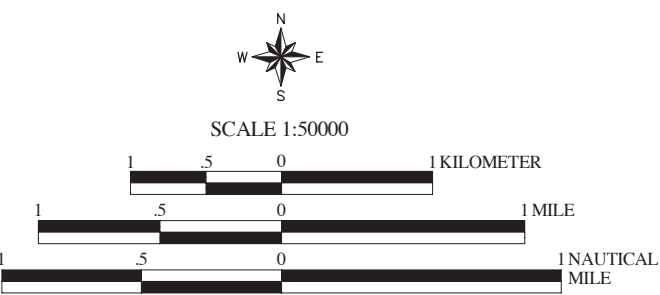


ENVIRONMENTAL SENSITIVITY INDEX MAP

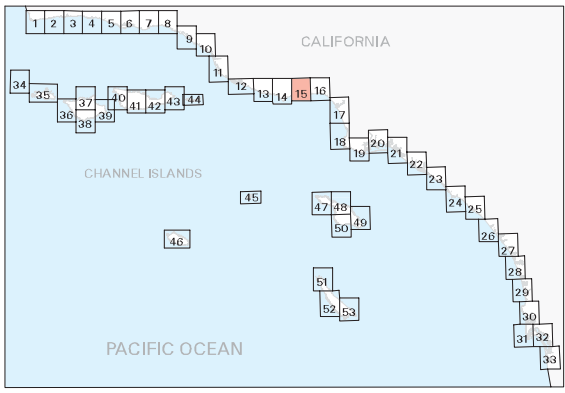


SHORELINE HABITATS (ESI)

- 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
- 9C HYPERSALINE TIDAL FLATS
- 10A SALT-AND BRACKISH-WATER MARSHES
- 10B FRESHWATER MARSHES
- 10C SWAMPS
- 10D SCRUB-SHRUB WETLANDS



Not For Navigation  
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National Oceanic and Atmospheric Administration  
National Ocean Service  
Office of Response and Restoration  
Emergency Response Division



Southern California: ESIMAP 15

BIOLOGICAL RESOURCES:

BIRD:

| RAR# | Species                  | S F Conc.       | J F M A M J J A S O N D | Nesting | Migrating | Molting |
|------|--------------------------|-----------------|-------------------------|---------|-----------|---------|
| 2    | California gull          |                 | X X X X X X X X X       | -       | -         | -       |
|      | Caspian tern             |                 | 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   | -       | -         | -       |
|      | Heermann's gull          |                 | X X X X X X X X X X X   | -       | -         | -       |
| 3    | Surf scoter              |                 | X X X X X X X X         | -       | -         | -       |
|      | Western grebe            |                 | X X X X X X X X         | -       | -         | -       |
| 5    | Brant                    | C               | X X X X X X X X         | -       | -         | -       |
|      | Elegant tern             |                 | X X X X X X X X X X     | -       | -         | -       |
|      | Forster's tern           |                 | X X X X X X X X X X X   | -       | -         | -       |
|      | Least tern               |                 | X X X X X X X X         | -       | -         | -       |
|      | Pacific loon             |                 | X X X X X X X X X       | -       | -         | -       |
|      | Red-throated loon        |                 | X X X X X X X           | -       | -         | -       |
|      | Ring-billed gull         |                 | X X X X X X X X X       | -       | -         | -       |
|      | Royal tern               |                 | X X X X X X X X X X X   | -       | -         | -       |
| 6    | Brandt's cormorant       |                 | X X X X X X X X X       | -       | -         | -       |
|      | Brown pelican            |                 | X X X X X X X X X X X   | -       | -         | -       |
|      | Western gull             |                 | X X X X X X X X X X X   | -       | -         | -       |
| 25   | Peregrine falcon         |                 | X X X X X X X X         | -       | -         | -       |
| 84   | Western snowy plover     | C T 0-23 BIRDS  | X X X X X X X X X X     | -       | -         | -       |
| 86   | American coot            | COMMON          | X X X X X X X X X X X   | -       | -         | -       |
|      | Black-bellied plover     | COMMON          | X X X X X X X X X       | -       | -         | -       |
|      | Bufflehead               | COMMON          | X X X X X X X X         | -       | -         | -       |
|      | California gull          | COMMON          | X X X X X X X X X X     | -       | -         | -       |
|      | California least tern    | E E             | X X X X X X X           | -       | -         | -       |
|      | Caspian tern             |                 | X X X X X X X X X X X   | -       | -         | -       |
|      | Double-crested cormorant | COMMON          | X X X X X X X X X X X   | -       | -         | -       |
|      | Elegant tern             |                 | X X X X X X X X X       | -       | -         | -       |
|      | Gadwall                  | COMMON          | X X X X X X X X         | -       | -         | -       |
|      | Green-winged teal        | COMMON          | X X X X X X X           | -       | -         | -       |
|      | Heermann's gull          | COMMON          | X X X X X X X X X X X   | -       | -         | -       |
|      | Least sandpiper          | COMMON          | X X X X X X X X X X X   | -       | -         | -       |
|      | Mallard                  | COMMON          | X X X X X X X X X X X   | OCT-MAY | -         | -       |
|      | Northern shoveler        | COMMON          | X X X X X X X X X X     | -       | -         | -       |
|      | Ring-billed gull         | COMMON          | X X X X X X X X X       | -       | -         | -       |
|      | Royal tern               |                 | X X X X X X X           | -       | -         | -       |
|      | Sanderling               | COMMON          | X X X X X X X X X X X   | -       | -         | -       |
|      | Snowy egret              | COMMON          | X X X X X X X X X X X   | FEB-JUL | -         | -       |
|      | Sora                     |                 | X X X X X X X X X       | -       | -         | -       |
|      | Virginia rail            |                 | X X X X X X X X X X     | -       | -         | -       |
|      | Western grebe            |                 | X X X X X X X X X       | -       | -         | -       |
|      | Western gull             | COMMON          | X X X X X X X X X X X   | -       | -         | -       |
|      | Willet                   | COMMON          | X X X X X X X X X X X   | -       | -         | -       |
| 88   | Brown pelican            | 0-339 BIRDS     | X X X X X X X X X       | -       | -         | -       |
|      | Ruddy turnstone          |                 | X X X X X X X X X       | -       | -         | -       |
|      | Western snowy plover     | C T 12-37 BIRDS | X X X X X X X X X X     | -       | -         | -       |
| 89   | Western snowy plover     | C T 0-2 BIRDS   | X X X X X X X X X X     | -       | -         | -       |
| 90   | Brown pelican            | 0-635 BIRDS     | 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  |
|------|--------------------|---------------------|-------------------------|----------|---------|---------|-----------|---------|
| 87   | Steelhead          | C E                 | X X X X X X X X X X X   | DEC-APR  | JAN-MAY | -       | JAN-DEC   | DEC-APR |
|      | Tidewater goby     | C E HIGH            | X X X X X X X X X X X   | APR-JUN  | -       | -       | -         | -       |
| 560  | California grunion | FREQUENT LARGE RUNS | X X X X X X X X X X X   | MAR-AUG  | MAR-SEP | MAR-SEP | MAR-SEP   | JAN-DEC |
| 563  | California grunion | SOME LARGE RUNS     | X X X X X X X X X X X   | MAR-AUG  | MAR-SEP | MAR-SEP | MAR-SEP   | 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 |
|------|------------------------------|-------------|-------------------------|--------|---------|---------|---------|
| 3    | Pacific harbor seal          | PRIMARY     | X X X X X X X X X X X   | -      | -       | -       | -       |
| 534  | Bottlenose dolphin           | PRIMARY     | X X X X X X X X X X X   | -      | -       | -       | -       |
| 536  | Bottlenose dolphin           | PRIMARY     | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | California sea lion          | PRIMARY     | X X X X X X X X X X X   | -      | -       | -       | AUG-SEP |
|      | Dall's porpoise              | PRIMARY     | X X X X X X X X         | -      | -       | -       | -       |
|      | Dall's porpoise              | SECONDARY   | X X X X X X X X         | -      | -       | -       | -       |
|      | Killer whale                 | PRIMARY     | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | Minke whale                  | PRIMARY     | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | Northern right-whale dolphin | PRIMARY     | X X X X X X X X X       | -      | -       | -       | -       |
|      | Northern right-whale dolphin | SECONDARY   | X X X X X X X X X       | -      | -       | -       | -       |
|      | Pacific white-sided dolphin  | PRIMARY     | X X X X X X X X X X     | -      | -       | -       | -       |
|      | Pacific white-sided dolphin  | SECONDARY   | X X X X X X X X X       | -      | -       | -       | -       |
|      | Risso's dolphin              | PRIMARY     | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | Short-beaked common dolphin  | PRIMARY     | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | Short-finned pilot whale     | RARE        | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | Striped dolphin              | RARE        | X X X X X X X X X X X   | -      | -       | -       | -       |
| 539  | Baird's beaked whale         | SECONDARY   | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | Cuvier's beaked whale        | SECONDARY   | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | Mesoplodont beaked whales    | SECONDARY   | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | Sperm whale                  | E SECONDARY | X X X X X X X X X X X   | -      | -       | -       | -       |
| 542  | Blue whale                   | E PRIMARY   | X X X X X X X           | -      | -       | -       | -       |
|      | Blue whale                   | E RARE      | X X X X X X X X X       | -      | -       | -       | -       |
|      | Blue whale                   | E SECONDARY | X X X X X X X X X       | -      | -       | -       | -       |
|      | Bryde's whale                | RARE        | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | Fin whale                    | E RARE      | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | Humpback whale               | E RARE      | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | North Pacific right whale    | E RARE      | X X X X X X X X X X X   | -      | -       | -       | -       |
| 543  | Gray whale                   | PRIMARY     | X X X X X X X X X X X   | -      | -       | -       | -       |
|      | Gray whale                   | RARE        | X X X X X X X X X       | -      | -       | -       | -       |
|      | Gray whale                   | SECONDARY   | X X X X X X X X X       | -      | -       | -       | -       |
|      | Long-beaked common dolphin   | PRIMARY     | 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  |
|------|------------------------|-----------|-------------------------|---------|----------|-------------|-----------|---------|
| 85   | Green sea turtle       | T         | X X X X X X X X X X X   | -       | -        | -           | -         | -       |
| 409  | Loggerhead sea turtle  | T RARE    | X X X X X X X X X X X   | -       | -        | -           | -         | -       |
| 667  | Leatherback sea turtle | E PRIMARY | X X X X X X X           | -       | -        | -           | -         | MAR-JUL |

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

| ACP SITE# | Name                          | Contact    |
|-----------|-------------------------------|------------|
| 5-110     | Malibu Lagoon Coastal Wetland | CDF&G OSPR |

ACCESS:

| HUN# | Name                               | Contact | Phone        |
|------|------------------------------------|---------|--------------|
| 12   | LA-B-1140 DAN BLOCKER COUNTY BEACH |         | 310/305-9503 |
| 13   | LA-B-1150 CORRAL BEACH             |         |              |
| 14   | LA-B-1160 PUERCO BEACH             |         |              |
| 15   | LA-B-1170 AMARILLO BEACH           |         |              |
| 16   | LA-C-1210 MALIBU LAGOON STATE PARK |         | 818/880-0363 |
| 17   | LA-C-1220 SURFRIDER COUNTY BEACH   |         | 310/454-7962 |

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.

Southern California: ESIMAP 15 (cont.)

HUMAN USE RESOURCES: (cont.)

CRITICAL HABITAT:

| HUN#  | Name                        | Contact                           | Phone        |
|-------|-----------------------------|-----------------------------------|--------------|
| ----- | -----                       | -----                             | -----        |
| 399   | CRITICAL HABITAT: STEELHEAD | NATIONAL MARINE FISHERIES SERVICE | 562/980-4000 |

FISHERY AREA:

| HUN#  | Name                     | J | F | M | A | M | J | J | A | S | O | N | D |
|-------|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| ----- | -----                    | - | - | - | - | - | - | - | - | - | - | - | - |
| 414   | Barred sand bass         | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Cabazon                  |   |   | X | X | X | X | X | X | X | X | X | X |
|       | California halibut       | X | X | X | X | X | X | X | X | X | X | X | X |
|       | California market squid  | X | X | X | X | X | X | X | X | X | X | X | X |
|       | California scorpionfish  | X | X | X | X | X | X | X | X | X | X | X | X |
|       | California sheephead     |   |   | X | X | X | X | X | X | X | X | X | X |
|       | California spiny lobster | X | X | X |   |   |   |   |   | X | X | X | X |
|       | Dover sole               | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Kelp bass                | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Lingcod                  |   |   | X | X | X | X | X | X | X | X | X | X |
|       | Northern anchovy         | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Pacific chub mackerel    | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Pacific sardine          | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Rockfish                 |   |   | X | X | X | X | X | X | X | X | X | X |
|       | Sea urchins              | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Shark                    | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Surfperch                | X | X | X | X | X | X | X | X | X | X | X | X |
|       | White seabass            | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Yellowtail               | X | X | X | X | X | X | X | X | X | X | X | X |
| 562   | Barred sand bass         | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Cabazon                  |   |   | X | X | X | X | X | X | X | X | X | X |
|       | California halibut       | X | X | X | X | X | X | X | X | X | X | X | X |
|       | California market squid  | X | X | X | X | X | X | X | X | X | X | X | X |
|       | California scorpionfish  | X | X | X | X | X | X | X | X | X | X | X | X |
|       | California sheephead     |   |   | X | X | X | X | X | X | X | X | X | X |
|       | California spiny lobster | X | X | X |   |   |   |   |   | X | X | X | X |
|       | Dover sole               | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Kelp bass                | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Lingcod                  |   |   | X | X | X | X | X | X | X | X | X | X |
|       | Northern anchovy         | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Ocean whitefish          |   |   | X | X | X | X | X | X | X | X | X | X |
|       | Pacific angel shark      | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Pacific chub mackerel    | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Pacific sanddab          | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Pacific sardine          | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Ridgeback prawn          | X | X | X | X |   |   |   |   | X | X | X |   |
|       | Rock crabs               | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Rockfish                 |   |   | X | X | X | X | X | X | X | X | X | X |
|       | Sablefish                | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Sea cucumbers            | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Sea urchins              | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Shark                    | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Sheep crab               | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Spot prawn               |   |   | X | X | X | X | X | X | X | X | X |   |
|       | Surfperch                | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Thornyhead spp.          | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Tuna                     | X | X | X | X | X | X | X | X | X | X | X | X |
|       | White seabass            | X | X | X | X | X | X | X | X | X | X | X | X |
|       | Yellowtail               | X | X | X | X | X | X | X | X | X | X | X | X |

NATIONAL PARK:

| HUN#  | Name                       | Contact               | Phone        |
|-------|----------------------------|-----------------------|--------------|
| ----- | -----                      | -----                 | -----        |
| 767   | SANTA MONICA MOUNTAINS NRA | NATIONAL PARK SERVICE | 805/370-2301 |

PARK:

| HUN#  | Name              | Contact | Phone        |
|-------|-------------------|---------|--------------|
| ----- | -----             | -----   | -----        |
| 792   | KASLOW NP         |         | 818/880-0637 |
| 798   | LIBERTY CANYON NP |         | 818/880-0367 |
| 800   | MALIBU CREEK SP   |         | 818/880-0367 |
| 823   | TOPANGA SP        |         | 310/455-2465 |
| 827   | UDELL GORGE NP    |         | 818/880-0367 |