



SOUTHERN CALIFORNIA ENVIRONMENTAL SENSITIVITY MAPPING PROJECT

**Index of Shoreline Types**

- Exposed rocky headlands and exposed seawalls.
- Wave-cut platforms with or without thin sediment cover.
- Fine grained sand beaches.
- Exposed medium to coarse grained sand beaches.
- Sheltered sand beaches.
- Mixed sand, gravel, cobble and boulder beaches.
- Exposed gravel-boulder beaches and exposed riprap structures.
- Sheltered gravel-boulder beaches and sheltered riprap structures.
- Sheltered tidal flats.
- Marshland.
- Manmade sheltered inner-harbor structures.

**Biological Features**

Marine Mammals	Fishes
Sea otter	Anadromous salmon
Seals, Sea lions	Beach spawners
Birds	Invertebrates
Wading birds	Clams
Diving birds	Abalone
Shore birds	Reptiles
Waterfowl	Turtles
Alcids	Kelp
Gulls and terns	Eel Grass

**KEY TO WILDLIFE MARKERS**

Color Coded - Type of Organism (e.g. yellow for mammal)      Symbol - Ecological Type (e.g. seal)

Range      Point      Locality

NOTE - SENSITIVITY NUMBER (e.g. 10)      Red Border - Endangered Species

**Socioeconomic Features**

- Parks and beaches
- Mariculture operations
- Reserves, preserves, refuges and ecological areas.
- ASBS Areas of Special Biological Significance
- Marinas
- Skimmers
- Washover locations

**Spill Response Information**

- Boom placements
- Closures

Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and Los Angeles City and County  
Topography by photogrammetric methods from aerial photographs taken 1947 and planetable surveys 1925. Field checked 1952  
Selected hydrographic data compiled from USC&GS Chart 5144. This information is not intended for navigational purposes.  
Polyconic projection. 1927 North American datum  
10,000 foot grids based on California coordinate system, zones 5 and 7  
1000 meter Universal Transverse Mercator grid ticks, zone 11, shown in blue  
Red tint indicates areas in which only landmark buildings are shown  
Data shown in purple compiled from aerial photographs taken 1967. This information not field checked  
Purple tint indicates extension of urban areas.

SCALE 1:24,000

1 MILE

1 KILOMETER

CONTOUR INTERVAL 25 FEET  
DOTTED LINES REPRESENT 5 FOOT CONTOURS  
DATUM IS MEAN SEA LEVEL  
DEPTH CURVES IN FEET. DATUM IS MEAN LOWER LOW WATER  
SHORELINE SHOWS APPROXIMATE LOW TO MEDIUM HIGH WATER  
THE AVERAGE DEPTH OF THE SEA IS APPROXIMATELY 4 FEET

UTM GRID AND 1967 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

ROAD CLASSIFICATION

- Heavy duty
- Medium duty
- Light duty
- Unimproved dirt
- State Route

**ESI MAP NUMBER**

**17**