



SOUTHERN CALIFORNIA ENVIRONMENTAL SENSITIVITY MAPPING PROJECT

- Index of Shoreline Types**
- 1. Exposed rocky headlands and exposed seawalls.
 - 2. Wave-cut platforms with or without thin sediment cover.
 - 3. Fine grained sand beaches.
 - 4. Exposed medium to coarse grained sand beaches.
 - 5. Sheltered sand beaches.
 - 5a. Mixed sand, gravel, cobble and boulder beaches.
 - 6. Exposed gravel-boulder beaches and exposed riprap structures.
 - 8. Sheltered gravel-boulder beaches and sheltered riprap structures.
 - 9. Sheltered tidal flats.
 - 10. Marshland.
 - Manmade sheltered inner-harbor structures.
- Biological Features**
- Marine Mammals: Sea otter, Seals, Sea lions
 - Birds: Wading birds, Diving birds, Shore birds, Waterfowl, Alcid, Gulls and terns
 - Fishes: Anadromous salmon, Beach spawners
 - Invertebrates: Clams, Abalone
 - Reptiles: Turtles, Eel Grass
- KEY TO WILDLIFE MARKERS**
- Color Codes = Types of Organisms (see legend)
- Range: Point, Locality
- Number = Species (from regional lists)
- Star = Endangered Species
- Socioeconomic Features**
- Parks and beaches
 - Mariculture operations
 - Reserves, preserves, refuges and ecological areas.
 - ASBS Areas of Special Biological Significance
- Spill Response Information**
- Boom placements
 - Closures
 - Skimmers
 - Washer locations

Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and Los Angeles City and County
Planimetry by photogrammetric methods from aerial photographs taken 1963. Topography by planimetric surveys 1963. Revised 1964.
Selected hydrographic data compiled from USC&GS Charts 6142 (1964), 5147 (1964), and 5148 (1966).
This information is not intended for navigational purposes.
Polyconic projection. 1927 North American datum.
10,000-foot grid based on California coordinate system, zones 7 and 5.
1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue.
Red tint indicates areas in which only landmark buildings are shown.
Dotted land lines established by private survey.
This map lies within a subsidence area.
Vertical control based on latest available adjustment.

Scale 1:50,000
CONTOUR INTERVAL 5 FEET
ELEVATION IN FEET
DEPTH CURVES AND SOUNDINGS IN FEET DATUM IS MEAN LOW WATER
SHORELINE SOUNDINGS IN FEET DATUM IS MEAN LOW WATER
THE MEAN RANGE OF TIDE APPROXIMATELY 4 FEET

ROAD CLASSIFICATION
Major SA, Light SA
Medium SA, Unimproved SA
Interstate Route, State Route

QUADRANGLE LOCATION
Revision shown in quadrangle completed from aerial photographs taken 1971. This revision not hand checked.
Map is for informational purposes only.

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