

SOUTHERN CALIFORNIA ENVIRONMENTAL SENSITIVITY MAPPING PROJECT

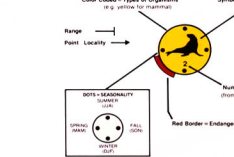
Index of Shoreline Types

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
  - Alcids
  - Gulls and terns
- Fishes
  - Anadromous salmon
  - Beach spawners
  - Invertebrates
    - Clams
    - Abalone
  - Reptiles
  - Turtles
  - Eel Grass

KEY TO WILDLIFE MARKERS



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
- Washover locations

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and Orange County

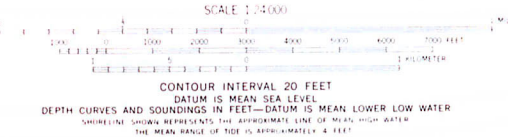
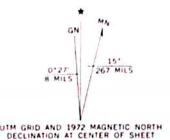
Topography by photogrammetric methods from aerial photographs taken 1946. Field checked 1948. Revised from aerial photographs taken 1963. Field checked 1965

Selected hydrographic data compiled from USC&GS Charts 5108 (1964) and 5142 (1964)

This information is not intended for navigational purposes

Polyconic projection. 1927 North American datum 10,000-foot grid based on California coordinate system, zone 6 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 Areas covered by dashed light-blue pattern are subject to controlled inundation



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled from aerial photographs taken 1972. This information not field checked. Purple tint indicates extension of urban areas

ROAD CLASSIFICATION  
Heavy duty  
Medium duty  
Light duty  
Unimproved dirt  
State Route

ESI MAP NUMBER

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