



SOUTHERN CALIFORNIA ENVIRONMENTAL SENSITIVITY MAPPING PROJECT

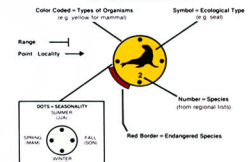
Index of Shoreline Types

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

KEY TO WILDLIFE MARKERS



Socioeconomic Features

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

Spill Response Information

- Boom placements
- Closures
- Skimmers
- Washover locations

ROAD CLASSIFICATION

- Heavy duty
- Medium duty
- Light duty
- Unimproved dr.
- State Route

Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and Los Angeles County  
Topography by photogrammetric methods from aerial  
photographs taken 1963. Field checked 1964  
Selected hydrographic data compiled from USC&GS Charts 5142 (1962)  
and 5148 (1963)  
This information is not intended for navigational purposes.  
Polyconic projection. 1927 North American datum  
10,000-foot grids 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  
A portion of the northeast quarter of this map lies within a subsidence area  
Vertical control based on latest available adjustment

SCALE 1:24,000  
CONTOUR INTERVAL 20 FEET  
DOTTED LINES REPRESENT 10 FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
DEPTH CURVES AND SOUNDINGS IN FEET - DATUM IS MEAN LOWER LOW WATER  
UNIMPROVED DRAINAGE REPRESENTS THE AVERAGE STATE OF A WIDE AREA OF THE  
THE MEAN RANGE OF TIDE IS APPROXIMATELY 4 FEET  
THIS MAP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80275, 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.

ESI MAP  
NUMBER

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