



**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.
- 11. 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
- Reptiles: Turtles
- Other: Clams, Abalone, Kelp, Eel Grass

**KEY TO WILDLIFE MARKERS**

Color Codes - Types of Organisms (e.g. species for mammals)

Range - Point - Locality

500' BUFFER ZONE

Number - Species (from regional lists)

Star - Endangered Species

**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

Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1946. Field checked 1948. Revised from aerial photographs taken 1967. Field checked 1968.

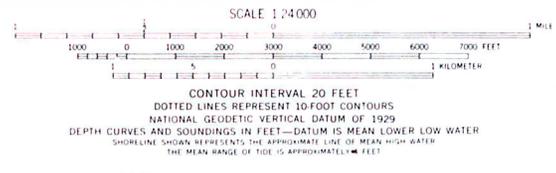
Selected hydrographic data compiled from USC&GS Chart 5142 (1967) and hydrographic surveys (1934). This information is not intended for navigational purposes.

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

Revisions shown in purple compiled from aerial photographs taken 1975. This information not field checked

Purple tint indicates extension of urban areas



7.5 MINUTE SERIES (TOPOGRAPHIC)

ROAD CLASSIFICATION

- Heavy duty
- Medium duty
- Light duty
- Unimproved dirt

Interstate Route

QUADRANGLE LOCATION

**ESI MAP NUMBER**

**29**

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