



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, Kelp, Eel Grass

**KEY TO WILDLIFE MARKERS**

Color Codes - Types of Organisms (e.g. avian for birds)  
Symbol - Ecological Type (e.g. mammal)  
Number - Species (from regional lists)  
Red Border - 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
- Washover locations

Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and USCGE  
Topography by photogrammetric methods from aerial photographs taken 1946. Field checked 1947-48. Revised from aerial photographs taken 1967. Field checked 1968.  
Selected hydrographic data compiled from USC&GS 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.  
Fine red dashed lines indicate selected fence lines.  
Dotted land lines established by private survey.  
Purple tint indicates extension of urban areas.

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

SCALE 1:24,000  
CONTOUR INTERVAL 20 FEET  
DOTTED LINES REPRESENT 10-FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
DEPTH FIGURES AND SOUNDINGS IN FEET - DATUM IS MEAN LOWER LOW WATER  
UNLESS OTHERWISE SPECIFIED OR NOTED OTHERWISE  
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 20192  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD AND RAIL RATINGS  
Interstate Route  
ESI MAP NUMBER  
**30**