

**SOUTHERN CALIFORNIA ENVIRONMENTAL SENSITIVITY MAPPING PROJECT**

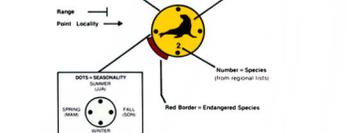
**Index of Shoreline Types**

- 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
- Other: Kelp, 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 and USC&GS  
 Topography by photogrammetric methods from aerial photographs taken 1947. Field checked 1947-48. Revised from aerial photographs taken 1967. Field checked 1968  
 Selected hydrographic data compiled from USC&GS Surveys (1924, 1934-35)  
 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  
 Purple tint indicates extension of urban areas

UTM GRID AND 1975 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET  
 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 CURVES AND SOUNDINGS IN FEET - DATUM IS MEAN LOWER LOW WATER  
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER  
 THE MEAN RANGE OF TIDE IS APPROXIMATELY 4 FEET  
 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

ROAD CLASSIFICATION  
 Heavy-duty  
 Medium-duty  
 Light-duty  
 Unimproved dirt  
 Interstate Route  
**ESI MAP NUMBER**  
**35**