



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.
- 6. Mixed sand, gravel, cobble and boulder beaches.
- 8. Sheltered gravel-boulder beaches and sheltered riprap structures.
- 9. Sheltered tidal flats.
- 10. Marshland.
- Manmade sheltered inner-harbor structures.

Biological Features

● Marine Mammals	● Fishes
● Sea otter	● Anadromous salmon
● Seals, Sea lions	● Beach spawners
● Birds	● Invertebrates
● Wading birds	● Clams
● Diving birds	● Abalone
● Shore birds	● Reptiles
● Waterfowl	● Turtles
● Alcids	● Kelp
● Gulls and terns	● Eel Grass

KEY TO WILDLIFE MARKERS

Color Coded = Types of Designations (e.g. yellow for mammals)

Symbol = Ecological Type (e.g. Seal)

Range

Point Locality

Number = Species (from regional lists)

Red Border = 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
- Skimmers
- Closures
- Washover locations

ROAD CLASSIFICATION

- Heavy duty
- Medium-duty
- Light-duty
- Unimproved dirt
- Interstate Route

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

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 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

Dotted land lines established by private survey

UTM GRID AND 14° MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

Purple tint indicates extension of urban areas

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 SOUNDINGS REPRESENTS THE APPROXIMATE LINE OF NEAR-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

QUADRANGLE LOCATION

ESI MAP NUMBER
34