



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.
- 6a. 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, Alcid, Gulls and terns
Fish: Anadromous salmon, Beach spawners, Invertebrates, Clams, Abalone, Reptiles, Turtles, Kelp, Eel Grass

KEY TO WILDLIFE MARKERS

Color Code: Types of Organisms
Symbol: Ecological Type
Number: Species (from 1000 to 10000)
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, Closures, Skimmers, Washover locations

Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and City of San Diego
Topography by photogrammetric methods from aerial
photographs taken 1966. Field checked 1967
Supersedes map surveyed 1938-39, revised 1953
Selected hydrographic data compiled from USC&GS Charts
5105 (1968) and 5107 (1969). This information
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
Revisions shown in purple compiled from aerial
photographs taken 1975. This information not
field checked
Red tint indicates areas in which only landmark buildings are shown
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 SHOWING REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE AVERAGE 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
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