

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

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1947 Field check 1951

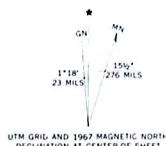
Selected hydrographic data compiled from USC&GS Chart 5007
This information is not intended for navigational purposes

Polyconic projection, 1927 North American datum
10,000-foot grid based on California coordinate system, zone 5
1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue

Red tint indicates areas in which
only landmark buildings are shown

Data shown in purple compiled from aerial photographs
taken 1967. This information not field checked

Purple tint indicates extension of urban areas



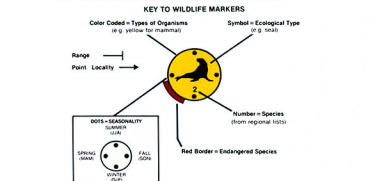
CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT HALF-INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES IN FEET—DATUM IS MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 2 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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, Eel Grass



- 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

ESI MAP
NUMBER

11