

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	● 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 Codes: Types of Organisms
 DOTS - Seasonality
 Range
 Plant Locality
 Number - Species (from regional lists)
 Red Border - Endangered Species

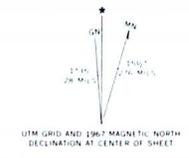
Socioeconomic Features

- 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 and USC&GS
 Topography from aerial photographs by multiplex methods
 Aerial photographs taken 1947. Field check 1950
 Polyconic projection. 1927 North American datum
 10,000-foot grid based on California coordinate system,
 zone 5
 Dashed land lines indicate approximate location
 1000 meter Universal Transverse Mercator grid ticks,
 zone 11, shown in blue
 Data shown in purple compiled from aerial photographs
 taken 1967. This information is not field checked
 Purple tint indicates extension of urban areas



SCALE 1:4000
 CONTOUR INTERVAL 20 FEET
 DOTTED LINES REPRESENT HALF-INTERVAL CONTOURS
 DATUM IS MEAN SEA LEVEL
 SHORELINE SHOWN 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 WASHINGTON, D.C. 20242
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

Heavy duty	Light duty
Medium duty	Unimproved dirt
U.S. Route	

ESI MAP NUMBER

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