

SOUTHERN CALIFORNIA ENVIRONMENTAL SENSITIVITY MAPPING PROJECT

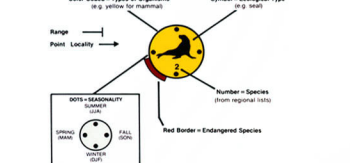
Index of Shoreline Types

- 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
- Kelp
- Eel Grass

KEY TO WILDLIFE MARKERS



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

ESI MAP
NUMBER
20

Kelp Restoration Projects in Area

Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and Los Angeles County
Topography by photogrammetric methods from aerial
photographs taken 1963. Field checked 1963.
Selected hydrographic data compiled from USC&GS Charts 5144 (1964)
and 5142 (1962). This information is not intended for navigational purposes.
Polyconic projection. 1927 North American datum.
10,000-foot grid based on California coordinate system, zones 7 and 5
1000-meter Universal Transverse Mercator grid ticks,
zone 11, shown in blue.
Red tint indicates areas in which only landmark buildings are shown.

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 COMPLETS 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
Revisions shown in purple compiled from aerial photographs
taken 1972. This information not field checked.
Purple tint indicates extension of urban areas.