

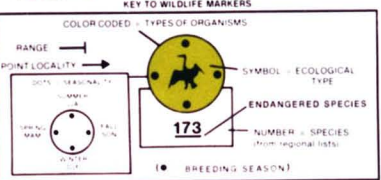
ENVIRONMENTAL SENSITIVITY INDEX  
SAN FRANCISCO BAY AREA

SHORELINE TYPES

- 1. Exposed rocky shores and vertical seawalls
- 2. Exposed piers and rocky platforms
- 3. Fine-grained sand beaches
- 4. Medium- to coarse-grained sand beaches
- 5. Mixed sand, gravel, and fill beaches
- 6. Gravel beaches and exposed riprap
- 7. Exposed sandy tidal flats
- 8. Sheltered coastal structures and rocky shores
- 9. Sheltered tidal flats
- 10. Wetlands

BIOLOGICAL RESOURCES

- MAMMALS**
  - Seals
  - Fur bearing aquatic mammals
- BIRDS**
  - Raptors
  - Diving birds
  - Seabirds
  - Shorebirds
  - Wading birds
  - Waterfowl
- SHELLFISH**
  - Clams
  - Crabs
- FISH**
  - Anadromous fish
  - Bottom fish
  - Forage fish



SOCIOECONOMIC FEATURES

- Parks and recreational areas
- Wildlife refuges, management areas, ecological reserves
- Boat ramps
- Mansions

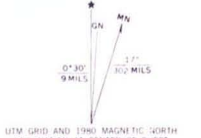
SPILL-RESPONSE INFORMATION

- Skimmer locations
- Boom locations

Mapped, edited, and published by the Geological Survey  
Control by USGS, NOS/NOAA, and USCE

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Red tint indicates areas in which only landmark buildings are shown  
Dashed land lines indicate approximate locations  
There may be private inholdings within the boundaries of the National or State reservations shown on this map



SCALE 1:24,000

CONTOUR INTERVAL 20 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

DEPTH CURVES AND SOUNDINGS IN FEET - DATUM IS MEAN LOW WATER

THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

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 RESTON, VIRGINIA 22092

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple and woodland compiled from  
aerial photographs taken 1979 and other source data  
This information not field checked. Map edited 1980  
Purple tint indicates extension of urban areas

ESI MAP  
# 7

BENICIA, CALIF.  
N3800-W12207.5/7.5

1959  
PHOTOREVISED 1980  
DMA 1560 B, SW SERIES, V995