



**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

KEY TO WILDLIFE MARKERS

COLOR CODED TYPES OF ORGANISMS

POINT LOCALITY

SYMBOL - ECOLOGICAL TYPE

173

ENDANGERED SPECIES

NUMBER - SPECIES

FROM REGIONAL DATA

SOCIOECONOMIC FEATURES

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

SPILL-RESPONSE INFORMATION

- Skimmer locations
- Boom locations

ADJOINS MAP # 14

ADJOINS MAP # 16

Mapped, edited, and published by the Geological Survey
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Red tint indicates areas in which only landmark buildings are shown
San Antonio grant boundary omitted because of insufficient data
This information was last checked - Map edited 1980
There may be private inholdings within the boundaries of
the National or State reservations shown on this map

Revisions shown in purple and overlaid cartilage from
aerial photographs taken 1979 and other source data
This information was last checked - Map edited 1980
Purple tint indicates inclusions of other areas

SCALE 1:24,000

CONTOUR INTERVAL 20 FEET

DOTTED LINES REPRESENT 5-FOOT CONTOURS

NATIONAL GEODETIC VERTICAL DATUM OF 1929

DEPTH CURVES IN FEET - DATUM IS MEAN LOWER LOW WATER

THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

SHORELINE SHOWS MEAN HIGHER TIDE AND APPROXIMATE LINE OF HIGH WATER

THE MEAN RANGE OF TIDE IS APPROXIMATELY 5 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

ADJOINS MAP # 17

**ESI MAP
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OAKLAND WEST, CALIF.
N3745-W12215/7.5

1959
PHOTO REVISITED 1980
DMA 1559 IV SE-SERIES V895