

PRODUCED BY THE U. S. GEOLOGICAL SURVEY  
 Base map prepared by Defense Mapping Agency by photogrammetric methods. Field annotated 1954. Revised by the U. S. Geological Survey from aerial photographs taken 1973-1976 and other source data. Revised information not field checked. Map edited 1980  
 Area covered by dashed light-blue pattern is subject to controlled inundation  
 Transverse Mercator projection. 10,000-meter Universal Transverse Mercator grid, zone 14. 100,000-foot grid lines based on Texas coordinate system, south central and central zones. 1927 North American Datum. To place on predicted North American Datum 1983, move the projection lines 20 meters south and 31 meters east  
 Location of geodetic control established by government agencies is shown on corresponding 1:25,000-scale Geodetic Control Diagram  
 There may be private inholdings within the boundaries of National or State reservations shown on this map

**LEGEND**

Figures in red denote approximate distances in miles between stars

**POPULATED PLACES**  
 Over 500,000  
 100,000 to 500,000  
 25,000 to 100,000  
 5,000 to 25,000  
 1,000 to 5,000  
 Less than 1,000

**ROADS**  
 Primary, all-weather, hard surface  
 Secondary, all-weather, hard surface  
 Light-duty, all-weather, hard or improved surface  
 Fair or dry weather, unimproved surface  
 Trail  
 Ground Crossover  
 Sun Valley  
 Route markers: Interstate, U.S., State

**RAILROADS**  
 Single track  
 Double or Multiple  
 Standard gauge  
 Narrow gauge

**BOUNDARIES**  
 International  
 State  
 County  
 Park or reservation

**Other Symbols:**  
 Landplane airport  
 Seaplane airport  
 Seaplane anchorage  
 Woods-brushwood  
 Mine  
 Landmark: School; Church; Other  
 Spot elevation in feet  
 Marsh or swamp  
 Intermittent or dry stream  
 Power line

Scale 1:250,000

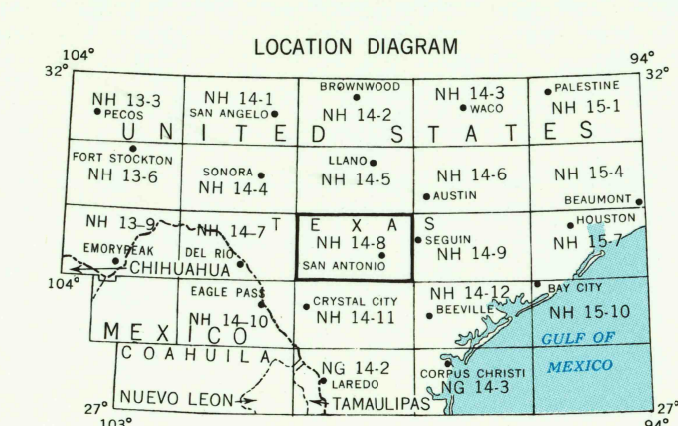
0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 50 FEET

1980 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 84° (150 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 75° (130 MILES) EASTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 20192



**GRID ZONE DESIGNATION:**  
 14Q  
 100,000 M. SQUARE IDENTIFICATION  
 MJ NJ  
 MH NH

**TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS**  
 SAMPLE POINT: M600

1. Read letters identifying 100,000 meter square to which the point lies:  
 2. Locate that VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin or on the line itself.  
 3. Estimate tenths from grid line to point:  
 4. Locate the HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or on the line itself.  
 5. Estimate tenths from grid line to point:  
 6. If reporting beyond 10' in any direction, prefix Grid Zone Designation, etc.

**SAMPLE REFERENCE:**  
 M6007  
 M60097

SAN ANTONIO, TEXAS  
 1954  
 REVISED 1980

RETURN TO:  
 USGS AND HISTORICAL MAP ARCHIVES

DEC 16 1980