



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY CONTROL BY USGS NOS/NOAA COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1956 FIELD CHECKED 1959 LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1984 FIELD CHECKED 1985 MAP EDITED 1989 PROJECTION TRANSVERSE MERCATOR GRID 100-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 12 1000-FOOT STATE GRID TICKS ARIZONA, CENTRAL ZONE UTM GRID DECLINATION 91° WEST 1989 MAGNETIC NORTH DECLINATION 12' EAST VERTICAL DATUM NATIONAL GEODESIC VERTICAL DATUM OF 1929 HORIZONTAL DATUM 1927 NORTH AMERICAN DATUM To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (5 meters south and 63 meters east) There may be private inholdings within the boundaries of any Federal and State Reservations shown on this map Public Land Survey System is shown as published in 1959 and verified or supplemented in 1985

SCALE 1:24 000
KILOMETERS
METERS
MILES
FEET

CONTOUR INTERVAL 10 FEET
To convert feet to meters multiply by .3048
To convert meters to feet multiply by 3.2808

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092

ROAD LEGEND
Improved Road
Unimproved Road
Trail
Interstate Route
U.S. Route
State Route

QUADRANGLE LOCATION

1	2	3	1	Sanatoga Hills
2	3	4	2	Hot Rock
3	4	5	3	Domet Peak
4	5	6	4	Silver Hill East
5	6	7	5	Marana
6	7	8	6	Waterman Peak
7	8	9	7	West of Avra
8	9	10	8	Avra

ADJOINING 7.5 QUADRANGLE NAMES

WEST OF MARANA, ARIZONA
PROVISIONAL EDITION 1989

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USGS AND HISTORICAL MAP