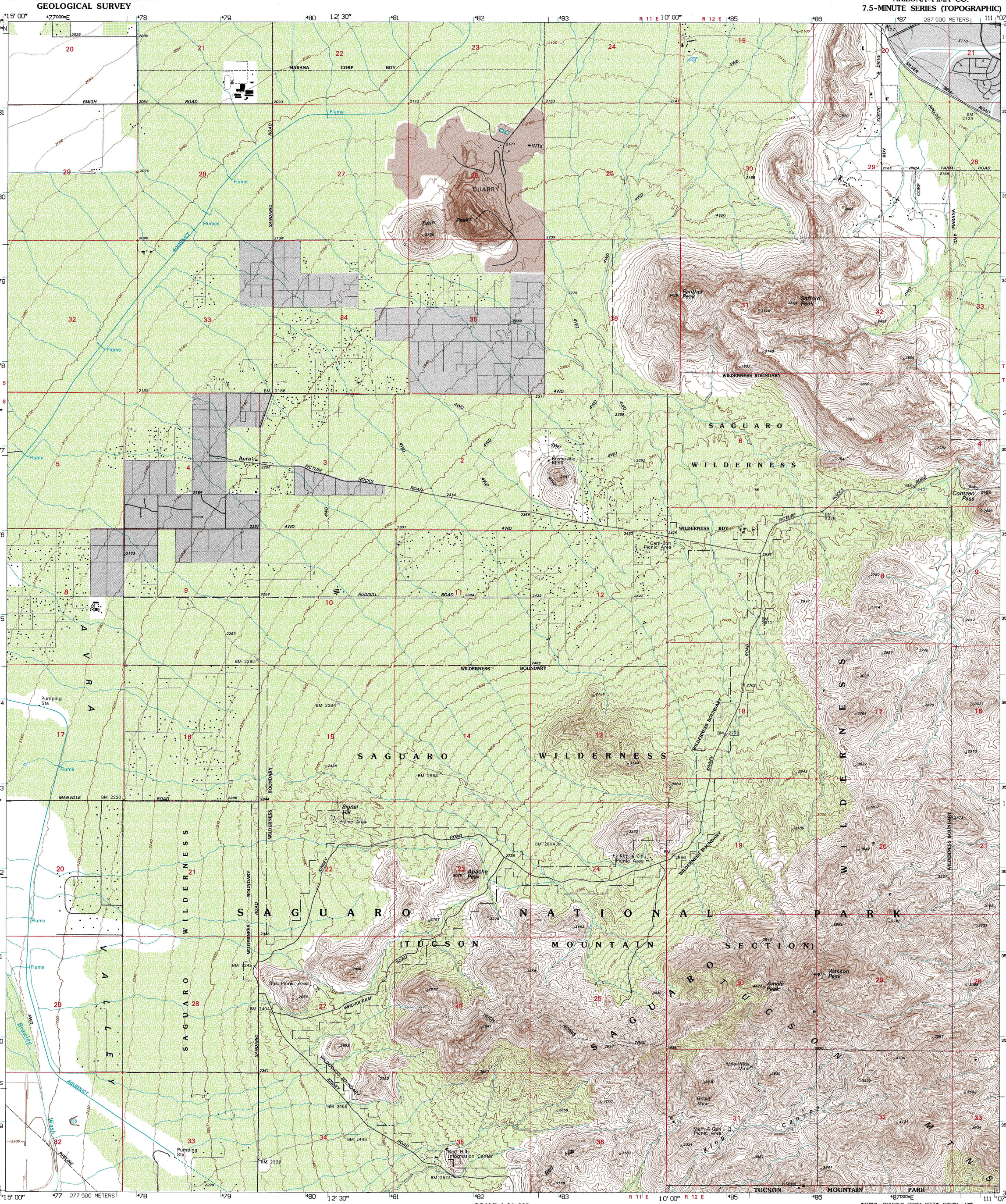
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

AVRA QUADRANGLE
ARIZONA–PIMA CO.
7.5-MINUTE SERIES (TOPOGRAPHIC)



Produced by the United States Geological Survey

Compiled from imagery dated 1966. Revised from imagery dated 1992. PLSS, survey control, contours, and elevations current as of 1968. Map edited 1995

North American Datum of 1983 (NAD 83). Projection and blue 1000-meter ticks: Universal Transverse Mercator, zone 12
2500-meter ticks: Arizona Coordinate System of 1983 central zone

North American Datum of 1927 (NAD 27) is shown by dashed corner ticks. The values of the shift between NAD 83 and NAD 27 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software

There may be private inholdings within the boundaries of the National or State reservations shown on this map

UTM GRID AND 1995 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
MN GN 0°06′ 2 MILS 12° 213 MILS

SCALE 1:24 000
KILOMETERS 1 .5 0 1 2
METERS 1000 0 1000 2000
MILES 1 .5 0 1
FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 20 FEET
SUPPLEMENTARY CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
TO CONVERT FEET TO METERS MULTIPLY BY 0.3048
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
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ARIZONA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 West of Marana
2 Marana
3 Ruelas Canyon
4 West of Avra
5 Jaynes
6 Cocoraque Butte
7 Brown Mountain
8 Cat Mountain

ADJOINING 7.5′ QUADRANGLE NAMES

INTERIOR - GEOLOGICAL SURVEY, RESTON, VIRGINIA - 1995

ROAD CLASSIFICATION

Primary highway hard surface
Light-duty road, hard or improved surface
Secondary highway hard surface
Unimproved road

Interstate Route U.S. Route State Route

AVRA, AZ
32111-C2-TF-024
1992
DMA 3848 III NE-SERIES V898