UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY . . . . . USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1958
PLANETABLE SURVEYS 1959
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1984
FIELD CHECKED . . . . . 1985 MAP EDITED 1989
PROJECTION . . . . . TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR . . . . . ZONE 12
10,000-FOOT STATE GRID TICKS . . . . . ARIZONA, CENTRAL ZONE
UTM GRID DECLINATION . . . . . 0°10' WEST
1989 MAGNETIC NORTH DECLINATION . . . . . 12° EAST
VERTICAL DATUM . . . . . NATIONAL GEODETIC 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

NORTH

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check. T

SCALE 1:24 000

1 .5 0 KILOMETERS 1 2
1000 0 METERS 1000 2000
1 .5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
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

ARIZONA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Silver Bell East
2 West of Marana
3 Marana
4 Waterman Peak
5 Avra
6 La Tortuga Butte
7 Cocoraque Butte
8 Brown Mountain

ADJOINING 7.5' QUADRANGLE NAMES

ROAD LEGEND

Improved Road . . . . . ═══
Unimproved Road . . . . . ═══
Trail . . . . . - - - -

Interstate Route U.S. Route State Route

WEST OF AVRA, ARIZONA
PROVISIONAL EDITION 1989

32111-C3-TF-024

USGS TWO HISTORICAL MAPS
NOV 28 1989
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