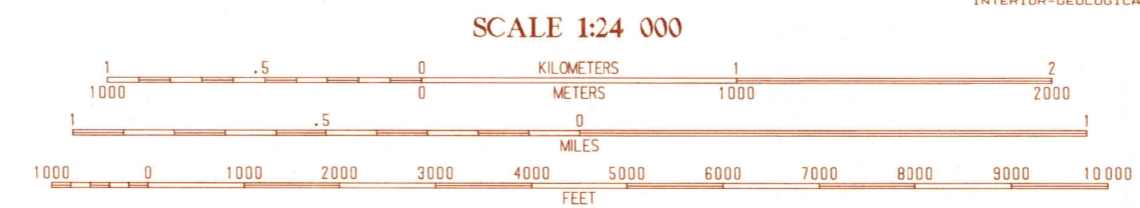


PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY USGS, NOS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1986  
PLANETABLE SURVEYS 1959  
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1984  
FIELD CHECKED 1985 MAP EDITED 1989  
PROJECTION TRANSVERSE MERCATOR  
GRID 100-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 12  
METERS-FOOT STATE GRID TICKS ARIZONA, CENTRAL ZONE  
UTM GRID DECLINATION 91° 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

**PROVISIONAL MAP**  
Produced from original  
manuscript drawings. Informa-  
tion shown as of date of  
field check. T



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



QUADRANGLE LOCATION

1	2	3	1 Silver Bell East
2	3	4	2 West of Marana
3	4	5	3 Marana
4	5	6	4 Waterman Peak
5	6	7	5 Avra
6	7	8	6 La Teranga Butte
7	8		7 Cococaque Butte
8			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

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NOV 28 1989