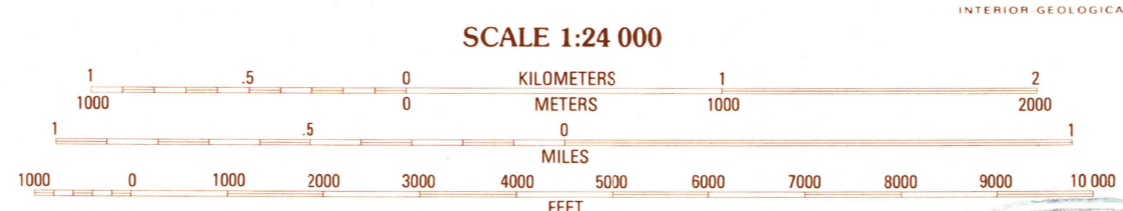


PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY USGS, NOS/NOAA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1958  
FIELD CHECKED 1959  
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1982  
FIELD CHECKED 1985 MAP EDITED 1988  
PROJECTION TRANSVERSE MERCATOR  
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 12  
10,000-FOOT STATE GRID TICKS ARIZONA, CENTRAL ZONE  
UTM GRID DECLINATION 092 WEST  
1985 MAGNETIC NORTH DECLINATION 12 EAST  
VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1959  
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 62 meters east)  
There may be private inholdings within the boundaries of any  
Federal and State Reservations shown on this map.  
No distinction made between houses, barns, and other buildings  
Public Land Survey System is shown as published in 1959 and  
verified or supplemented in 1985

**PROVISIONAL MAP**  
Produced from original  
manuscript drawings. Infor-  
mation shown as of date of  
field check.



SCALE 1:24 000

CONTOUR INTERVAL 40 FEET

To convert meters to feet multiply by 3.2808  
To convert feet to meters multiply by .3048

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

INTERIOR GEOLOGICAL SURVEY, RESTON, VIRGINIA 1988



QUADRANGLE LOCATION

1	2	3	1 Durham Hills
4	5	4 Desert Peak	2 Chief Butte
6	7	5 Oracle Junction	3 Fortified Peak
	8	6 Marana	4 Desert Peak
		7 Ruelas Canyon	5 Oracle Junction
		8 Oro Valley	6 Marana

ADJOINING 7.5 QUADRANGLE NAMES

ROAD LEGEND

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

TORTOLITA MOUNTAINS, ARIZONA

PROVISIONAL EDITION 1988

32111-EI-TF-024

USGS HISTORICAL MAP  
APR 25 1989  
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