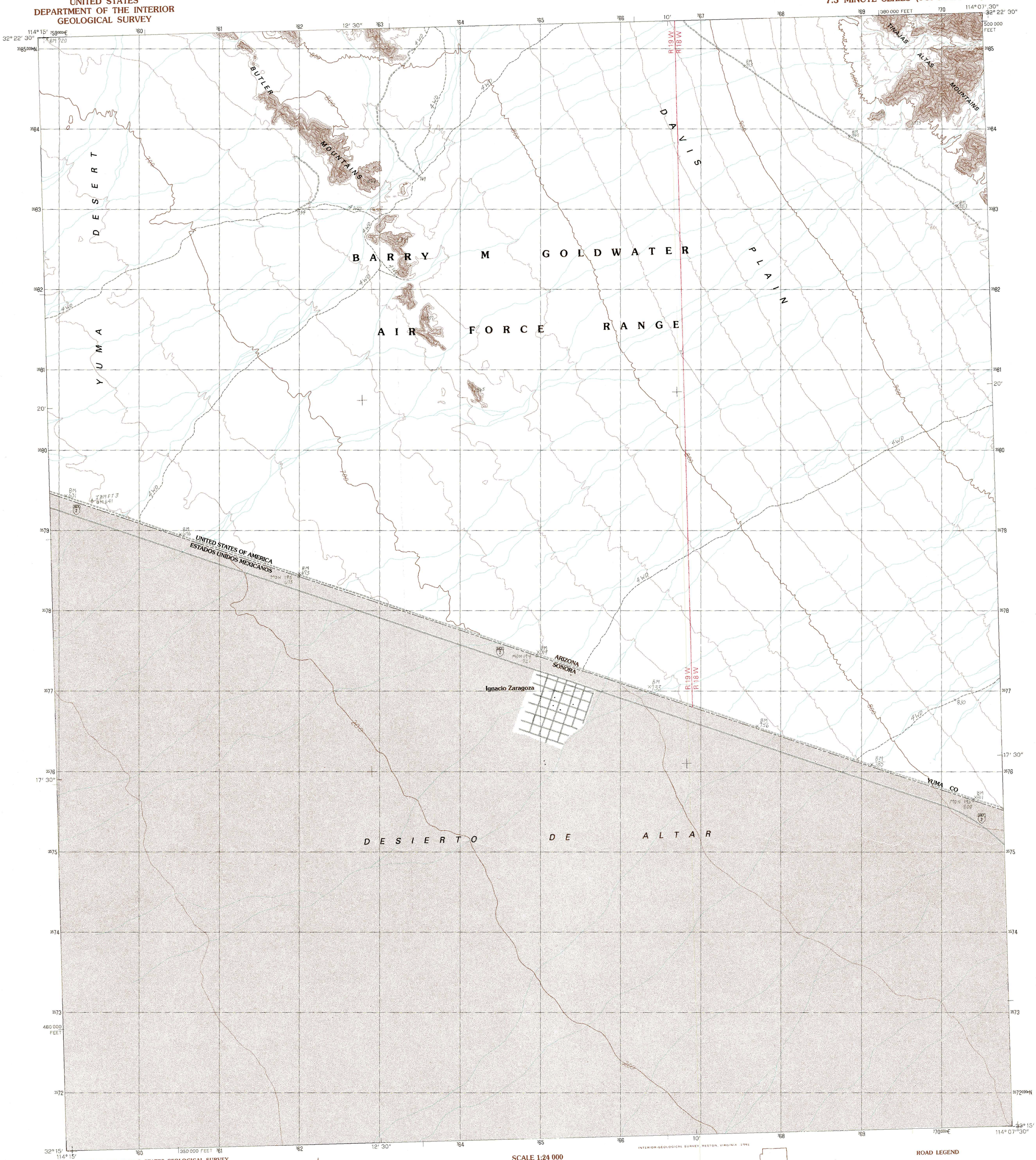
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BUTLER MOUNTAINS QUADRANGLE
ARIZONA–SONORA
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA, IBC AND DGG
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1962
FIELD CHECKED 1965
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1985
FIELD CHECKED ..... 1988. MAP EDITED 1990
PROJECTION ..... TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 11
10,000 FOOT STATE GRID TICKS ..... ARIZONA, WEST ZONE
UTM GRID DECLINATION ..... 1°30′ EAST
1990 MAGNETIC NORTH DECLINATION ..... 12°30′ 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 (6 meters south and 71 meters east)
There may be private inholdings within the boundaries of any Federal and State Reservations shown on this map
Where omitted, land lines have not been established
Public Land Survey System is shown as published in 1965 and verified or supplemented in 1988

NORTH

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

Mexico portion copied from DGG 1:50,000-scale map Aguiles Serdan 111C79, dated 1981

SCALE 1:24 000
KILOMETERS
METERS
MILES
FEET

CONTOUR INTERVAL 20 FEET IN THE UNITED STATES
CONTOUR INTERVAL 20 METERS IN MEXICO

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

THE U.S. PORTION OF THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND BY CENTRO DE ASESORIA Y VENTA DE INFORMACIÓN ESTADÍSTICA Y CARTOGRÁFICA
BALDERAS #71, MEZZANINE, MEXICO 1, D.F.
A FOLDER DESCRIBING U.S. TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE FROM USGS

INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA 1991

ARIZONA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Vopoki Ridge
2 Cipriano Pass
3 Raven Butte
4 Vopoki Ridge SE
5 Tinajas Altas
6
7
8 Tinajas Altas

ADJOINING 7.5′ QUADRANGLE NAMES

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

BUTLER MOUNTAINS, ARIZ.–SON.
PROVISIONAL EDITION 1990
32114-C2-TF-024