



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY ..... USGS NAD83/NA  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN ..... 1964  
FIELD CHECKED ..... 1966  
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN ..... 1985  
FIELD CHECKED ..... 1987  
MAP EDITED .....  
PROJECTION ..... TRANSVERSE MERCATOR  
GRID ..... 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 12  
1000-FOOT STATE GRID TICKS ..... ARIZONA, WEST ZONE  
UTM GRID DECLINATION ..... 1°30' WEST  
1960 MAGNETIC NORTH DECLINATION ..... 12°30' 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  
(1 meter south and 70 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 1966 and  
verified or supplemented in 1987

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



QUADRANGLE LOCATION

1	2	3	1 Swanes
2	3	4	2 Reid Valley
3	4	5	3 Alamo Dam
4	5	6	4 Butler Pan
5	6	7	5 Alamo Dam SE
6	7	8	6 Bouse Hills East
7	8		7 Harcarvar Peak
8			8 Cunningham Pan

ADJOINING 7.5' QUADRANGLE NAMES

**ROAD LEGEND**

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

**BUTLER WELL, ARIZONA**  
PROVISIONAL EDITION 1990

3413-A6-TF-024

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

USGS 5100 HIRSHORN  
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