UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BONITO ROCK QUADRANGLE
ARIZONA—APACHE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

4051 I NW (HAWLEY LAKE EAST)
4151 IV (BIG LAKE) 1:62 500
4051 I NE (MOUNT ORD)
4051 I SW (MARSHALL BUTTE)
4151 IV (BIG LAKE 1:62 500)
(ODART MTN.) 4051 II NW
(MAVERICK) 4051 II NE
(HANNAGAN MEADOW) 4151 III

109°37'30" 33°52'30" 109°30' 33°45'

700 000 FEET 1 040 000 FEET 1 010 000 FEET 670 000 FEET

9 MI. TO ARIZ. 273
12 MI. TO ARIZ. 273
33 MI. TO ALPINE
MAVERICK 1 MI.

Burnt Mountain 9570
Hurricane Lake 8942
Reservation Lake
Spillway Elev. 9037
Campground
Spring
Reservation Ranch
Upper Pacheta Cienega
Deep Cienega
Bear Cienega
Drift Fence Lake 8970
Pacheta Lake 8173
Charvoidles Spring
Aspen Butte 9215
Bonito Rock
Butterfly Cienega
Duke Ranch
Quarry
Long Canyon
Big Bonito Creek
Flash Creek
Squaw Creek
Buggy Creek
Pedrow Creek
Hurricane Creek
Pacheta Creek
Reservation Creek
Butterfly Creek
Bluff Cienega
Lower Cienega Cr
Deep Cienega Cr
Aspen Butte Creek
Bonito Rock Cienega Creek
Duke Creek
Hughell Creek
Pacheta Creek
Reservation Creek
Charvoidles Spring Creek
Bear Cienega Creek
Hurricane Creek
Pedrow Creek
Flash Creek
Squaw Creek
Buggy Creek
Big Bonito Creek
Lower Cienega Cr
Deep Cienega Cr
Aspen Butte Creek
Bonito Rock Cienega Creek
Duke Creek
Hughell Creek
Pacheta Creek
Reservation Creek
Charvoidles Spring Creek
Bear Cienega Creek
Butterfly Creek
Bluff Cienega
Long Canyon
Pedrow Trail
Hurricane Trail
Pacheta Trail
Reservation Trail
Jeep Trail
Pack Trail
Old Railroad Grade
FORT APACHE INDIAN RESERVATION

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1966. Field checked 1967
Revised by the Bureau of Indian Affairs 1976. Map edited by USGS 1978

Projection and 10,000-foot grid ticks: Arizona coordinate system, east zone (transverse Mercator)
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue. 1927 North American datum

Fine red dashed lines indicate selected fence lines

Land lines have not been established in this area

GN MN
0°48' 14 MILS
12½° 222 MILS
UTM GRID AND 1978 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION

Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road

Interstate Route U. S. Route State Route

ARIZONA
QUADRANGLE LOCATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

BONITO ROCK, ARIZ.
N3345—W10930/7.5

1978

AMS 4051 I SE—SERIES V898

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1978