UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

HARSHAW QUADRANGLE
ARIZONA – SANTA CRUZ CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 LOCHIEL 15' QUADRANGLE

3847 II SE (PATAGONIA)
3847 II SW (MT. HUGHES)
3847 II SE (O'DONNELL CANYON)
3846 IV NE (CUMERO CANYON)
3846 I NE (CANELO PASS)
3846 I SE (LOCHIEL)
3846 IV SE (KINO SPRINGS)
(DUQUESNE) 3846 I SW

110°45′ — 110°37′30″ — 31°30′ — 31°22′30″
42′30″ — 40′ — 27′30″ — 25′
900 000 FEET — 180 000 FEET — 870 000 FEET — 140 000 FEET
R. 16 E. — R. 17 E.
T. 22 S. — T. 23 S. — T 23 S. — T 24 S.

PATAGONIA 5.5 MI. — 3.3 MI. TO ARIZ. 82 — NOGALES 15 MI. — LOCHIEL 4.3 MI. — CANELO PASS 7 MI.

Exposed Reef Mine
Hampson Mine
Flux Canyon
Lead Queen Mine
Basin Mine
Great Silver Mine
Worlds Fair Mine
Schiel Mine
Humboldt Mine
Trench Camp
Water Tank
Alta Mine
Hardshell Mine
Hermosa Mine
American Mine
Black Eagle Mine
Bender Mine
Blue Nose Mine
American Peak
Thunder Mine
Augusta Mine
Endless Chain Mine
Morning Glory Mine
Mowry Mine
Grave
Homestake Mine
Haist Mine
Olive Mine
Flying R Ranch
Prospects
Bagby Ranch
Paymaster Mine
Paymaster Spring
Guajolote Flat
Jackalo Mine
Red Hill
Winifred Mine
Four Metals Mine
Providencia Canyon
Sycamore Canyon
Kansas Mine
Maine Mine
New York Mine
Pride Mine
Prospect
Washington Camp
Duquesne Sch
Shaffer Ranch
Harshaw
Saddle Mountain
VABM 5809
Meadow Valley Flat
Meadow Valley
Goldbaum Canyon
Hermosa Canyon
Coral Canyon
Willow Spring Canyon
Farrell Spring
Mowry Wash
Chino Draw
Hayfield Canyon
Adams Canyon
Finley and Adams Canyon
Soldier Basin
Guajolote Flat
Trails
Jeep Trail
Jeep
Corona de Tucson
Santa Rita Mountains
Coronado National Forest
Canelo Hills
San Rafael De La Zanja
National Forest Boundary
VABM 5072

SCALE 1:24 000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER
CONTOUR INTERVAL 25 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Mapped by the Army Map Service
Edited and published by the Geological Survey

Control by USGS, USC&GS, and USCE

Topography from aerial photographs by stereoplanigraph methods
Aerial photographs taken 1946. Field check 1948
Revised by the Geological Survey 1958

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue

To place on the predicted North American Datum 1983
move the projection lines 9 meters south and
62 meters east as shown by dashed corner ticks

Unchecked elevations are shown in brown

There may be private inholdings within the boundaries of
the National or State reservations shown on this map

GN MN
0°10′ 3 MILS
13° 231 MILS
UTM GRID AND 1958 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

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

ARIZONA
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Light-duty ——— Unimproved dirt - - - - - -

Map photoinspected 1982
No major culture or drainage changes observed

HARSHAW, ARIZ.
NW/4 LOCHIEL 15' QUADRANGLE
31110-D6-TF-024

1958
PHOTOINSPECTED 1982
DMA 3846 I NW – SERIES V898

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1985