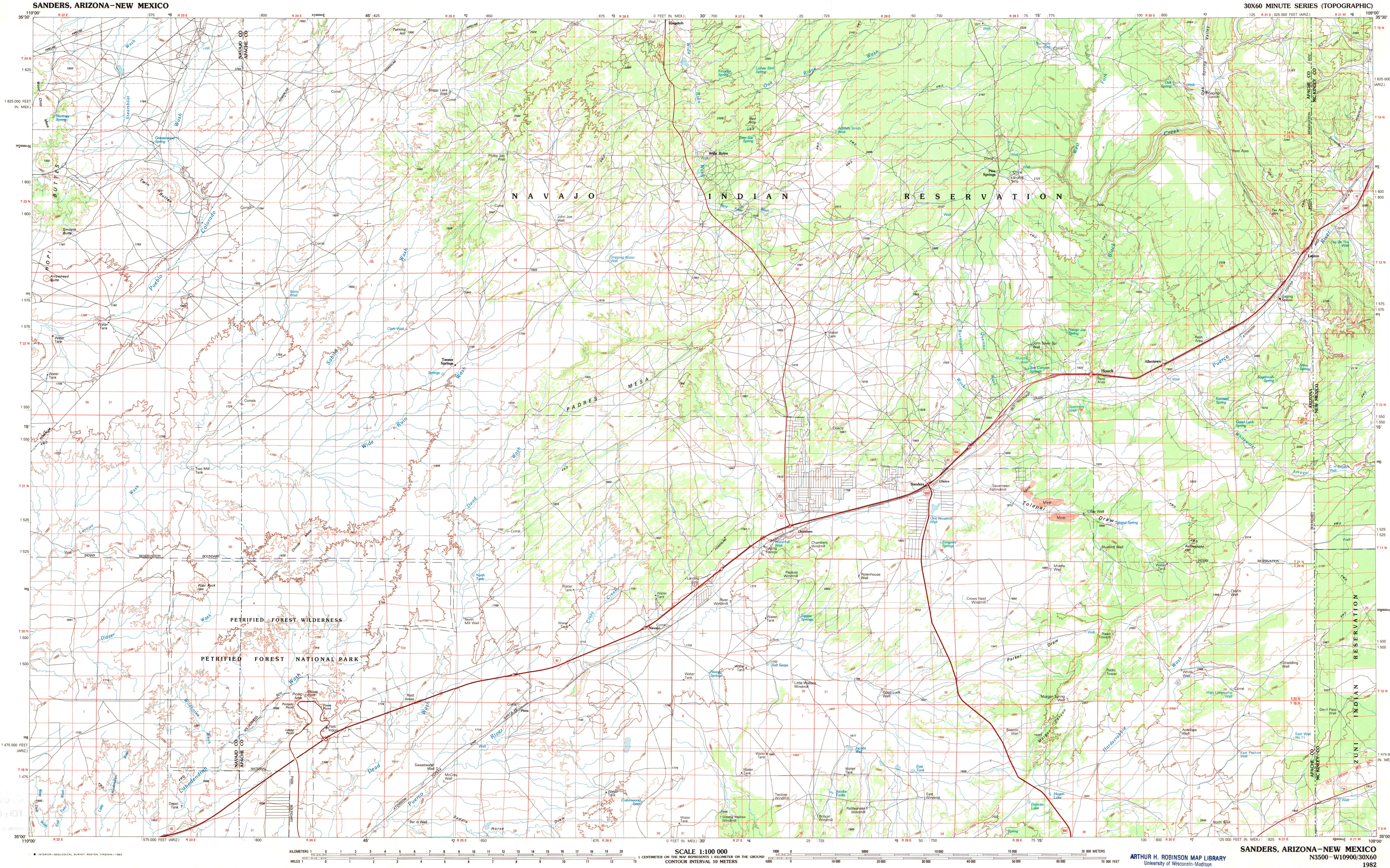




1:100 000-scale metric topographic map of Sanders ARIZONA-NEW MEXICO

30 X 60 MINUTE QUADRANGLE SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names

GEOLOGICAL SURVEY

1982

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps dated 1971-1972. Planimetry revised from aerial photographs taken 1973-74, 1980 and other source data. Revised information not field checked. Map edited 1982.  
Projection and 10 000-meter grid, zone 12, Universal Transverse Mercator.  
25 000-foot grid ticks based on Arizona coordinate system, east zone and New Mexico coordinate system, west zone 1927 North American Datum.  
To place on the predicted North American Datum 1983 move the projection lines 1 meter north and 59 meters east. There may be private inholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 50 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE

| Meters | Feet    |
|--------|---------|
| 1      | 3.2808  |
| 2      | 6.5617  |
| 3      | 9.8425  |
| 4      | 13.1234 |
| 5      | 16.4042 |
| 6      | 19.6850 |
| 7      | 22.9659 |
| 8      | 26.2467 |
| 9      | 29.5276 |
| 10     | 32.8084 |

To convert meters to feet multiply by 3.2808  
To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM

0° 0' 0" GN My  
15 MILES 15 MILES

ADJOINING MAPS

| 1 | 2 | 3 |
|---|---|---|
| 4 | 5 | 6 |
| 7 | 8 | 9 |

1 Polacca  
2 Ganado  
3 Gallup  
4 Winslow  
5 Tuba City  
6 Holbrook  
7 St. Johns  
8 Tropic Lake

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092

Topographic Map Symbols

Primary highway, hard surface  
Secondary highway, hard surface  
Light duty road, principal street, hard or improved surface  
Other road or street; trail  
Route marker: Interstate; U. S. State  
Railroad: standard gage; narrow gage  
Bridge, overpass, underpass  
Tunnel; road; railroad  
Built up area; locality; elevation  
Airport; landing field; landing strip  
National boundary  
State boundary  
County boundary  
National or State reservation boundary  
Land grant boundary  
U. S. public lands survey: range, township, section  
Range, township, section line: protracted  
Power transmission line, pipeline  
Dam; dam with lock  
Cemetery; building  
Windmill; water well; spring  
Mine shaft; adit or cave; mine, quarry; gravel pit  
Cemetary; picnic area; U. S. location monument  
Ruins; cliff dwelling  
Distorted surface: strip mine, lava; sand  
Contours: index; intermediate; supplementary  
Bathymetric contours: index; intermediate  
Stream, lake, perennial; intermittent  
Rapid, ledge and small; falls, large and small  
Area to be submerged; marsh, swamp  
Land subject to controlled inundation; woodland  
Scrib; mangrove  
Orchard; vineyard

A pamphlet describing topographic maps is available on request

B006-9/8 SET