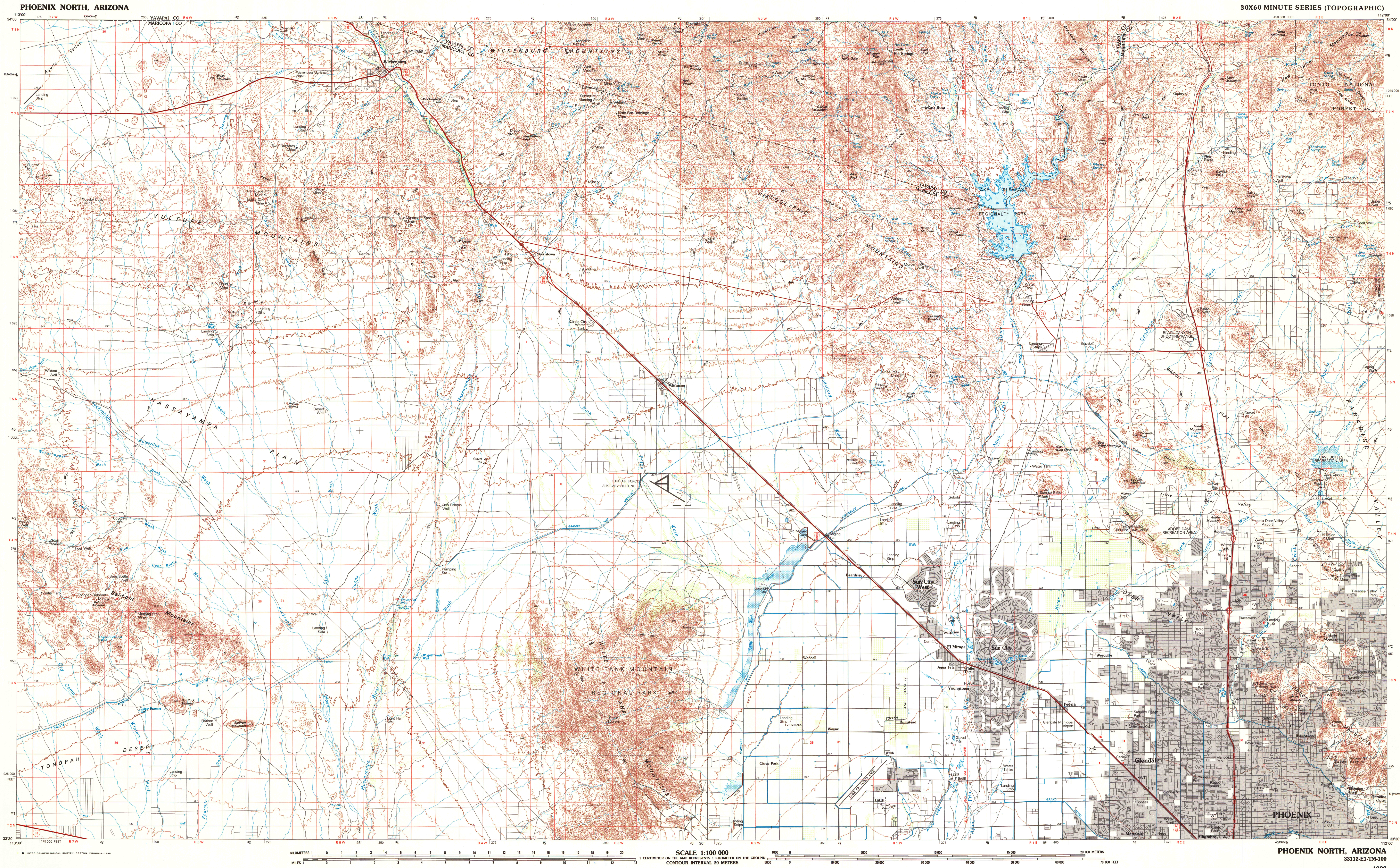
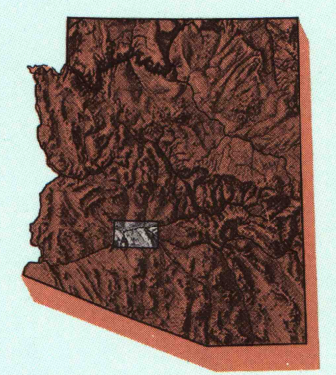




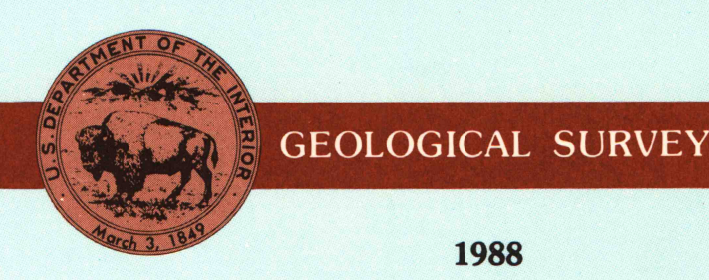
Phoenix North ARIZONA

1:100 000-scale metric
topographic map



30 X 60 MINUTE QUADRANGLE
SHOWING

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



Produced by the United States Geological Survey
Compiled from USGS 1:24 000 and 1:62 500 topographic maps dated 1964-1983. Planimetry revised from aerial photographs taken 1972, 1974 and 1981 and other source data. Revised information not field checked. Map dated 1988.
Projection and 10 000-meter grid, zone 12 Universal Transverse Mercator. 25 000-foot grid ticks based on Arizona coordinate system, central zone. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 2 meters south and 67 meters east. There may be private inholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 20 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE

Meters	Feet
1	3.28084
2	6.56168
3	9.84252
4	13.1234
5	16.4042
6	19.6850
7	22.9659
8	26.2467
9	29.5276
10	32.8084

DECLINATION DIAGRAM

ADJOINING MAPS

1	2	3
Alamo Lake	2	3
Brandsburg	4	5
Payson	6	7
5	6	7
Theodore Roosevelt Lake	8	9
6	7	8
Little Horn Mountains	9	10
7	8	9
Phoenix South	10	11
8	9	10

To convert meters to feet multiply by 3.28084
To convert feet to meters multiply by 0.3048

UTM grid convergence (GCM) and 1983 magnetic declination (MAG) at center of map. Diagram is approximate.

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Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Over, dam or draw; wall
- Route marker: interstate, U.S.; State
- Railroad: standard gage; narrow gage
- Bridge: overpass; underpass
- Tunnel: road; railroad
- Built up area; locality; alteration
- Airport; landing field; landing strip
- National boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U.S. public lands survey: range, township, section
- Range, township; section line: protected
- Power transmission line: pipeline
- Dam; dam with lock
- Cemetery; building
- Windmill; water well; spring
- Mine shaft; adit or cave; mine, quarry; gravel pit
- Campground; picnic area; U.S. location monument
- Railway; off rail; dwelling
- Disturbed surface: strip mine, levee, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream; lake; perennial; intermittent
- Rubble, large and small; bldg, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Orchard; vineyard