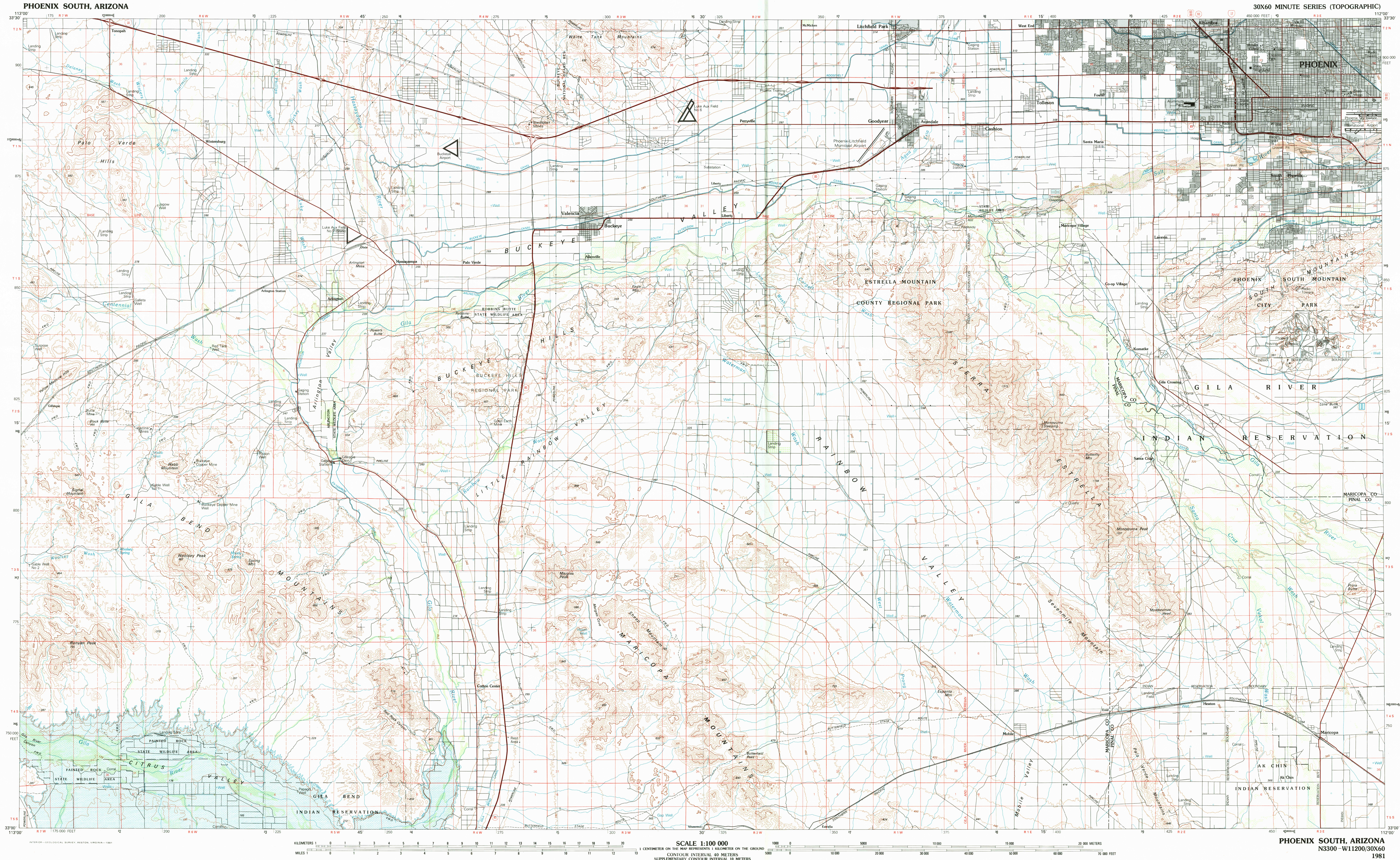
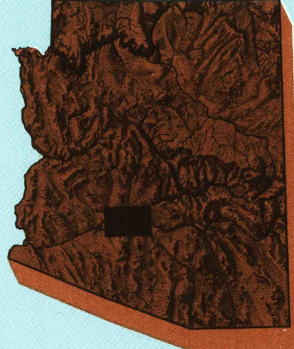




1:100 000-scale metric topographic map of

# Phoenix South

ARIZONA



30 X 60 MINUTE QUADRANGLE SHOWING

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



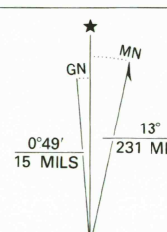
1981

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1962-1974. Planimetry revised from aerial photographs taken 1972, 1977-79, and other source data. Revised information not field checked. Map edited 1981.  
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 66 meters east  
There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 40 METERS  
SUPPLEMENTARY CONTOUR INTERVAL 10 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY,  
P.O. BOX 25286, DENVER, COLORADO, 80225

| CONVERSION TABLE                                                              |         | DECLINATION DIAGRAM                                                                  |                  | ADJOINING MAPS                               |   |   |  |
|-------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|------------------|----------------------------------------------|---|---|--|
| Meters                                                                        | Feet    | Miles                                                                                |                  | 1                                            | 2 | 3 |  |
| 2                                                                             | 6.5617  |  | 0° 00' 15" MILES | 4                                            | 5 | 6 |  |
| 4                                                                             | 13.1234 |                                                                                      |                  | 7                                            | 8 |   |  |
| 6                                                                             | 19.6851 |                                                                                      |                  |                                              |   |   |  |
| 8                                                                             | 26.2468 |                                                                                      |                  |                                              |   |   |  |
| 10                                                                            | 32.8084 |                                                                                      |                  |                                              |   |   |  |
| To convert meters to feet multiply by 3.2808                                  |         |                                                                                      |                  | To convert feet to meters multiply by 0.3048 |   |   |  |
| UTM grid convergence (GN) and 1983 magnetic declination (MN) at center of map |         |                                                                                      |                  | Diagram is approximate                       |   |   |  |
| To convert meters to feet multiply by 3.2808                                  |         |                                                                                      |                  | To convert feet to meters multiply by 0.3048 |   |   |  |
| UTM grid convergence (GN) and 1983 magnetic declination (MN) at center of map |         |                                                                                      |                  | Diagram is approximate                       |   |   |  |
| To convert meters to feet multiply by 3.2808                                  |         |                                                                                      |                  | To convert feet to meters multiply by 0.3048 |   |   |  |

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USGS NMD  
HISTORICAL MAP ARCHIVES

### 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: pre-1900 | Power transmission line: pipeline | Dam; dam with lock | Cemetery; building | Windmill; water well; spring | Mine shaft; salt or cave; mine; quarry; gravel pit | Demographic: picnic area; U.S. location monument | Ruins; cliff dwelling | Distorted surface: strip mine; levee; sand | Contours: index; intermediate; supplementary | Barometric contours: index; intermediate | Stream, lake; perennial; intermittent | Rapids, large and small; falls, large and small | Area to be submerged; marsh, swamp | Land subject to controlled inundation; woodland | Sandy meadow | Orchard; vineyard |
|-------------------------------|---------------------------------|-------------------------------------------------------------|-----------------------------|---------------------------------------|--------------------------------------|-----------------------------|------------------------|------------------------------------|---------------------------------------|-------------------|----------------|-----------------|----------------------------------------|---------------------|----------------------------------------------------|-----------------------------------------|-----------------------------------|--------------------|--------------------|------------------------------|----------------------------------------------------|--------------------------------------------------|-----------------------|--------------------------------------------|----------------------------------------------|------------------------------------------|---------------------------------------|-------------------------------------------------|------------------------------------|-------------------------------------------------|--------------|-------------------|

A pamphlet describing topographic maps is available on request