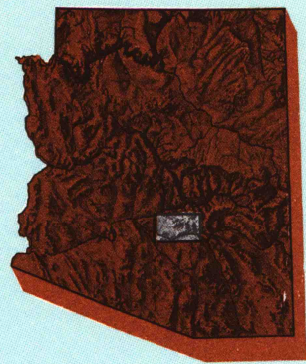
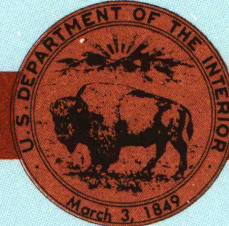


1:100 000-scale metric
topographic map



30 X 60 MINUTE QUADRANGLE
SHOWING

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



GEOLOGICAL SURVEY

1994

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1948-1973. Planimetry revised from aerial photographs taken 1988 and 1991 and other source data. Revised information not field checked. Map edited 1994

North American Datum of 1927 (NAD 27). Projection and 10 000-meter grid. Universal Transverse Mercator; zone 12 25 000-foot ticks: Arizona coordinate system, central zone

The values of the shift between NAD 27 and North American Datum of 1983 (NAD 83) for 7.5-minute intersections are obtainable from National Geographic Survey NADCON software

There may be private inholdings within the boundaries of the National or State reservations shown on this map
Protracted land lines are dashed

CONTOUR INTERVAL 20 METERS
SUPPLEMENTARY CONTOUR INTERVAL 10 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet			1	2	
1	3.2808	UTM grid convergence (GN and 1984 magnetic direction (M)) at center of map Diagram is approximate		4	5	
2	6.5617					
4	9.8425					
6	13.1234					
8	16.4042					
10	19.6850					
12	22.9659					
14	26.2467					
16	29.5276					
18	32.8084					
To convert meters to feet multiply by 3.2808				1 Phoenix North 2 Theodore Roosevelt Lake 3 Seneca 4 Phoenix South 5 Gabe 6 Gila Bend 7 Casa Grande 8 Mammoth		
To convert feet to meters multiply by 0.3048						

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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; salt or ore; mine, quarry; gravel pit	
Campground; 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	
Rapids, large and small; falls, large and small	
Area to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Scrub; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request

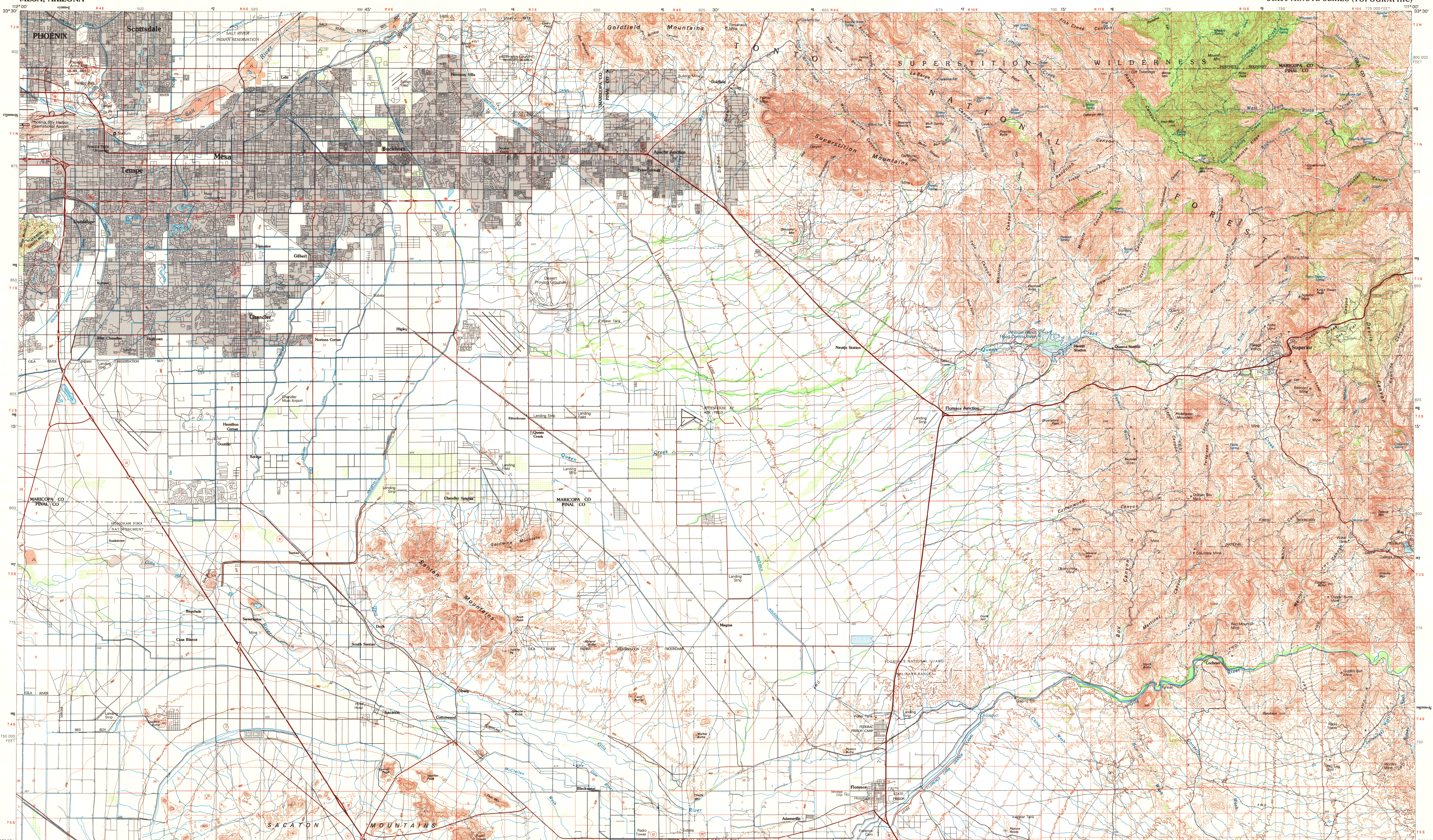
Box 7/8

SET

MESA, ARIZONA

33111-A1-TM-100

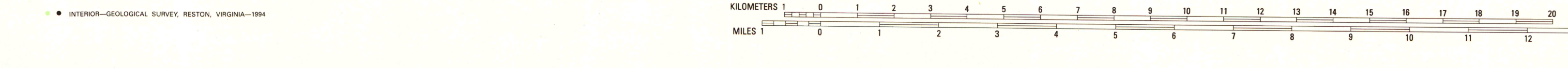
1994



MESA, ARIZONA

33111-A1-TM-100

1994



SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 20 METERS
SUPPLEMENTARY CONTOUR INTERVAL 10 METERS