



**USGS**  
science for a changing world

# Seneca

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

**GEOLOGICAL SURVEY**

1992

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps dated 1966–1988. Planimetry revised from other source data. Revised information not field checked. Map edited 1992.  
1927 North American Datum (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 12. 25 000-foot ticks: Arizona coordinate system east zone.

The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875.

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  
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY,  
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CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS			
Meters	Feet		1	2	3	
1	3.2808		1	2	3	
2	6.5617		4	5		
3	9.8425		6	7	8	
4	13.1234					
5	16.4042					
6	19.6850					
7	22.9658					
8	26.2467					
9	29.5275					
10	32.8084					
To convert meters to feet multiply by 3.2808		UTM grid convergence (GCM) and 1983 magnetic declination (MD) at center of map. Diagram is approximate.				
To convert feet to meters multiply by 0.3048						

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USGS/WHO  
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, well-	
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; edit or cave; mine; quarry; gravel pit	
Campground; picnic area; U. S. location monument	
Railroad; cliff dwelling	
Distorted surface: strip mine, lava, sand	
Contours: index; intermediate; supplementary	
Bathymetric contours: index; intermediate	
Shore, lake, perennial intermittent	
Rapids, large and small; hills, 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