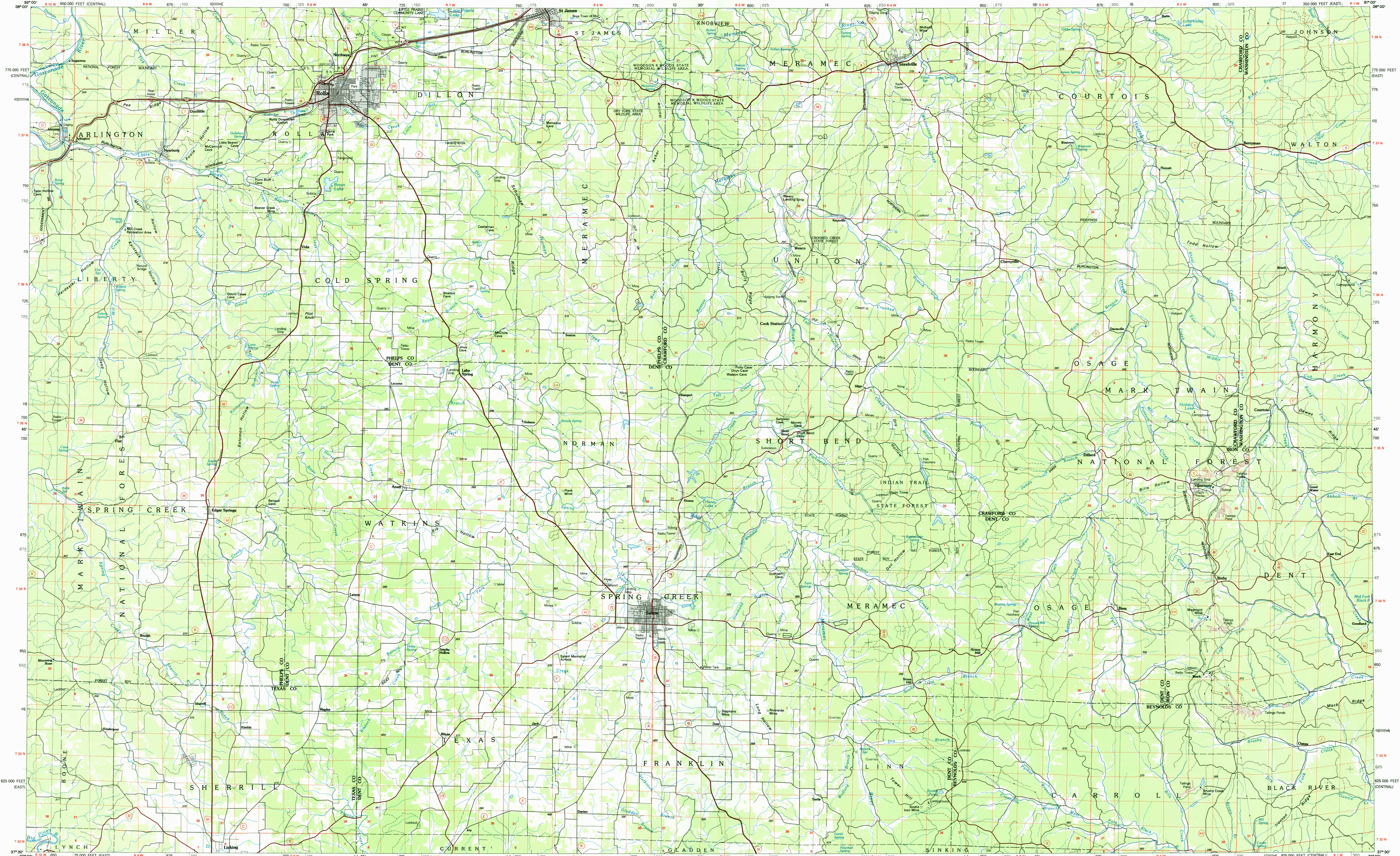


ROLLA, MISSOURI

30 X 60 MINUTE SERIES (PLANIMETRIC)



Rolla Missouri

1:100 000-scale planimetric map

30 X 60 MINUTE QUADRANGLE SHOWING

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

GEOLOGICAL SURVEY

1986

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1950-1985. Planimetry revised from aerial photographs taken 1983-85 and other source data. Revised information not field checked. Map edited 1986.
 Universal Transverse Mercator
 Projection and 10 000-meter grid, zone 15.
 1927 North American Datum
 25 000-foot grid ticks based on Missouri coordinate system, east and central zones
 To place on the predicted North American Datum 1983, move the projection lines 2 meters south and 12 meters east
 There may be private inholdings within the boundaries of the National or State reservations shown on this map

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	Magnetic Declination		1	2
1	3.2808	1983		3	4
2	6.5617	1984		5	6
3	9.8425	1985		7	8
4	13.1234	1986			
5	16.4042	1987			
6	19.6850	1988			
7	22.9659	1989			
8	26.2467	1990			
9	29.5275	1991			
10	32.8084	1992			

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

ITM grid convergence (GN) and 1986 magnetic declination (M) at center of map (Diagram is approximate)

1 Lake of the Ozarks
 2 Sullivan
 3 Potosi
 4 Lebanon
 5 Farmington
 6 Mountain Grove
 7 Spring Valley
 8 Piedmont

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	
Wells, water well, spring	
Mine shaft, salt or coal, 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	
Salt, mangrove	
Drains, viewshed	