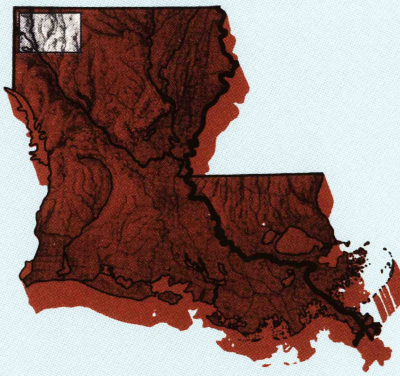
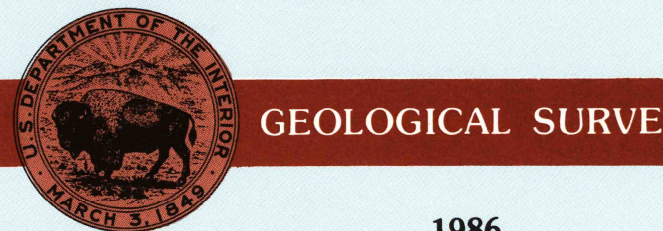




- Elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



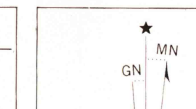
Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1969-1982. Planimetry revised from aerial photographs taken 1982 and other source data. Revised information not field checked. Map edited 1986.

Projection and 10 000-meter grid, zone 15 Universal Transverse Mercator. 25 000-foot grid ticks based on Louisiana coordinate system, north zone. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 12 meters south and 17 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			1	2	3	4	5	6	7	8
1	3.2808			1	2	3	1	2	1	2	3
2	6.5617			4	5	6	4	5	4	5	6
3	9.8425			7	8	9	7	8	7	8	9
4	13.1234			10	11	12	10	11	10	11	12
5	16.4042			13	14	15	13	14	13	14	15
6	19.6850			16	17	18	16	17	16	17	18
7	22.9658			19	20	21	19	20	19	20	21
8	26.2467			22	23	24	22	23	22	23	24
9	29.5275			25	26	27	25	26	25	26	27
10	32.8084			28	29	30	28	29	28	29	30
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1983 projected declination (MN) at center of map. Diagram is approximate.		1 Texarkana 2 Magnolia 3 El Dorado 4 Marshall 5 Monroe North 6 Henderson 7 Shreveport South 8 Monroe South							
To convert feet to meters multiply by 0.3048											

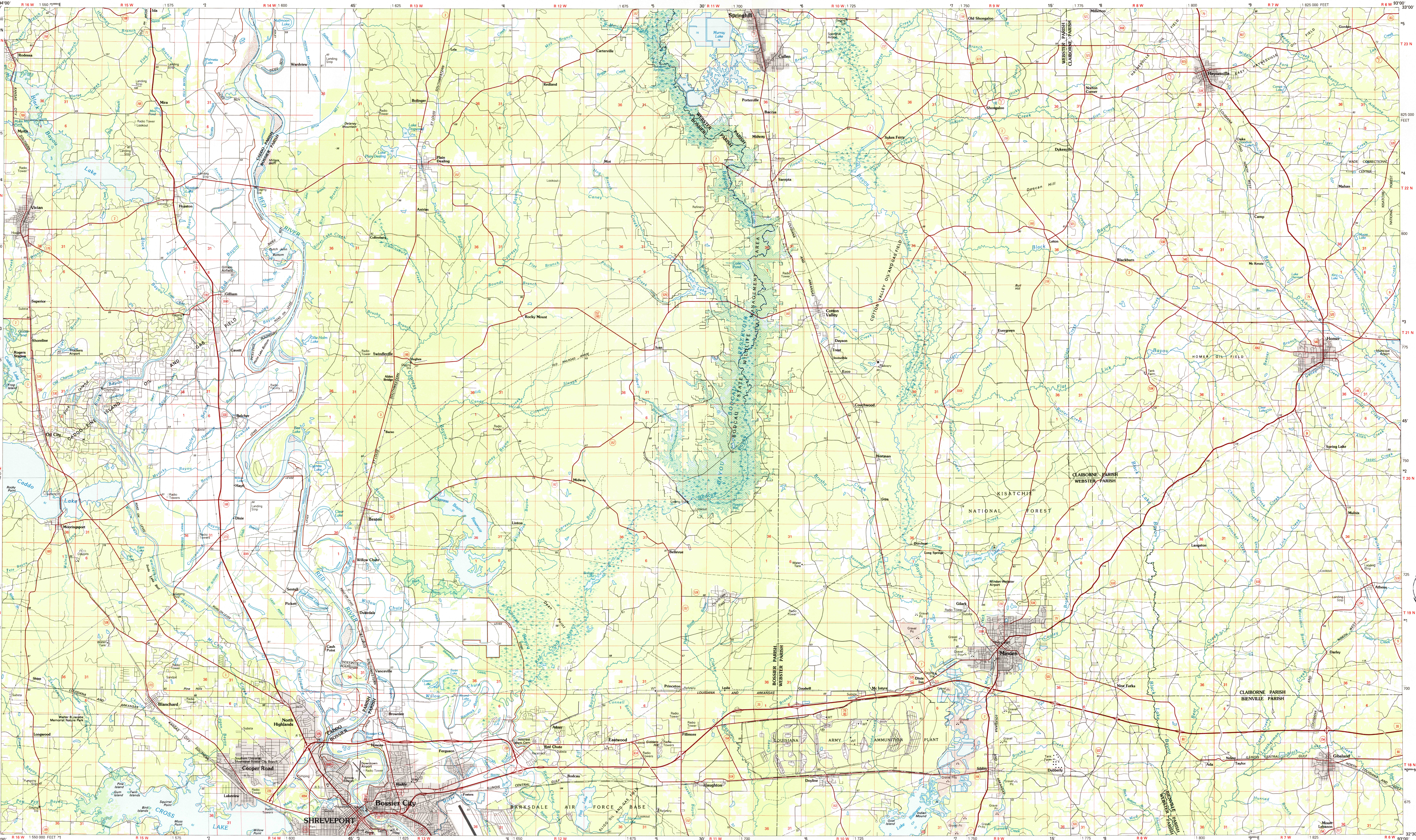
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OR RESTON, VIRGINIA 22092



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 gauge; narrow gauge	
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	
Ramp, township; section line: protruded	
Power transmission line: pipeline	
Dam; dam with lock	
Cemetery: building	
Windmill; water well; spring	
Mine shaft; salt or cave; mine, quarry, gravel pit	
Campground; picnic area; U. S. location monument	
Ruin; cliff dwelling	
Distorted surface: strip mine, lava; sand	
Contours: index; intermediate; supplementary	
Watermark: contour; 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	
Gravel; manure	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request



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