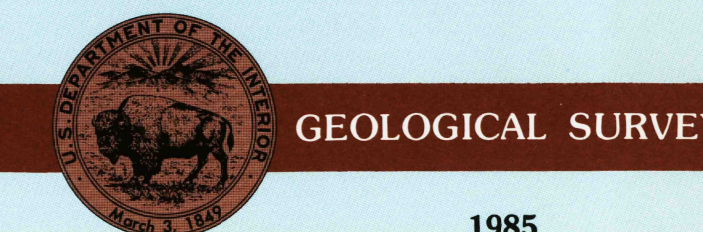


30 X 60 MINUTE QUADRANGLE  
SHOWING

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



Produced by the United States Geological Survey  
 Compiled from USGS 1:24 000-scale topographic maps dated 1958-1981. Planimetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edited 1985.  
 Projection and 10 000-meter grid, zone 17: Universal Transverse Mercator  
 25 000-foot grid ticks based on North Carolina coordinate system 1927 North American Datum  
 To place on the predicted North American Datum 1983 move the projection lines 10 meters south and 18 meters west  
 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		1	2
1	3.2808	DECLINATION		3	4
2	6.5615	MAGNETIC		5	6
3	9.8423	DECLINATION		7	8
4	13.1230	MAGNETIC		1 Boone	
5	16.4038	DECLINATION		2 Winston-Salem	
6	19.6845	MAGNETIC		3 Greensboro	
7	22.9653	DECLINATION		4 Hickory	
8	26.2460	MAGNETIC		5 Chapel Hill	
9	29.5268	DECLINATION		6 Gastonia	
10	32.8075	MAGNETIC		7 Charlotte	
11	36.0883	DECLINATION		8 Southern Pines	
12	39.3690	MAGNETIC			
13	42.6498	DECLINATION			
14	45.9305	MAGNETIC			
15	49.2113	DECLINATION			
16	52.4920	MAGNETIC			
17	55.7728	DECLINATION			
18	59.0535	MAGNETIC			
19	62.3343	DECLINATION			
20	65.6150	MAGNETIC			
21	68.8958	DECLINATION			
22	72.1765	MAGNETIC			
23	75.4573	DECLINATION			
24	78.7380	MAGNETIC			
25	82.0188	DECLINATION			
26	85.2995	MAGNETIC			
27	88.5803	DECLINATION			
28	91.8610	MAGNETIC			
29	95.1418	DECLINATION			
30	98.4225	MAGNETIC			
31	101.7033	DECLINATION			
32	104.9840	MAGNETIC			
33	108.2648	DECLINATION			
34	111.5455	MAGNETIC			
35	114.8263	DECLINATION			
36	118.1070	MAGNETIC			
37	121.3878	DECLINATION			
38	124.6685	MAGNETIC			
39	127.9493	DECLINATION			
40	131.2300	MAGNETIC			
41	134.5108	DECLINATION			
42	137.7915	MAGNETIC			
43	141.0723	DECLINATION			
44	144.3530	MAGNETIC			
45	147.6338	DECLINATION			
46	150.9145	MAGNETIC			
47	154.1953	DECLINATION			
48	157.4760	MAGNETIC			
49	160.7568	DECLINATION			
50	164.0375	MAGNETIC			
51	167.3183	DECLINATION			
52	170.5990	MAGNETIC			
53	173.8798	DECLINATION			
54	177.1605	MAGNETIC			
55	180.4413	DECLINATION			
56	183.7220	MAGNETIC			
57	186.9998	DECLINATION			
58	190.2805	MAGNETIC			
59	193.5613	DECLINATION			
60	196.8420	MAGNETIC			
61	200.1228	DECLINATION			
62	203.4035	MAGNETIC			
63	206.6843	DECLINATION			
64	209.9650	MAGNETIC			
65	213.2458	DECLINATION			
66	216.5265	MAGNETIC			
67	219.8073	DECLINATION			
68	223.0880	MAGNETIC			
69	226.3688	DECLINATION			
70	229.6495	MAGNETIC			
71	232.9303	DECLINATION			
72	236.2110	MAGNETIC			
73	239.4918	DECLINATION			
74	242.7725	MAGNETIC			
75	246.0533	DECLINATION			
76	249.3340	MAGNETIC			
77	252.6148	DECLINATION			
78	255.8955	MAGNETIC			
79	259.1763	DECLINATION			
80	262.4570	MAGNETIC			
81	265.7378	DECLINATION			
82	269.0185	MAGNETIC			
83	272.2993	DECLINATION			
84	275.5800	MAGNETIC			
85	278.8608	DECLINATION			
86	282.1415	MAGNETIC			
87	285.4223	DECLINATION			
88	288.7030	MAGNETIC			
89	291.9838	DECLINATION			
90	295.2645	MAGNETIC			
91	298.5453	DECLINATION			
92	301.8260	MAGNETIC			
93	305.1068	DECLINATION			
94	308.3875	MAGNETIC			
95	311.6683	DECLINATION			
96	314.9490	MAGNETIC			
97	318.2298	DECLINATION			
98	321.5105	MAGNETIC			
99	324.7913	DECLINATION			
100	328.0720	MAGNETIC			

USGS NMD HISTORICAL MAP  
 JUN 0 5 1986  
 FOR SALE BY U. S. GEOLOGICAL SURVEY  
 RESTON, VIRGINIA 22092  
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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	Wellhead; water well; spring	Mine shaft; adit or cave; 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	Sandy meadows	Orchard; vineyard
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A pamphlet describing topographic maps is available on request

