

272

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

36-080-42
MOUNT AIRY QUADRANGLE
20 VA. 272 N.C.
N3630-W8030/15
DIAGRAM NJ 17-11
WINSTON-SALEM

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Final adjustment of 1972

Edition of 8/10/73

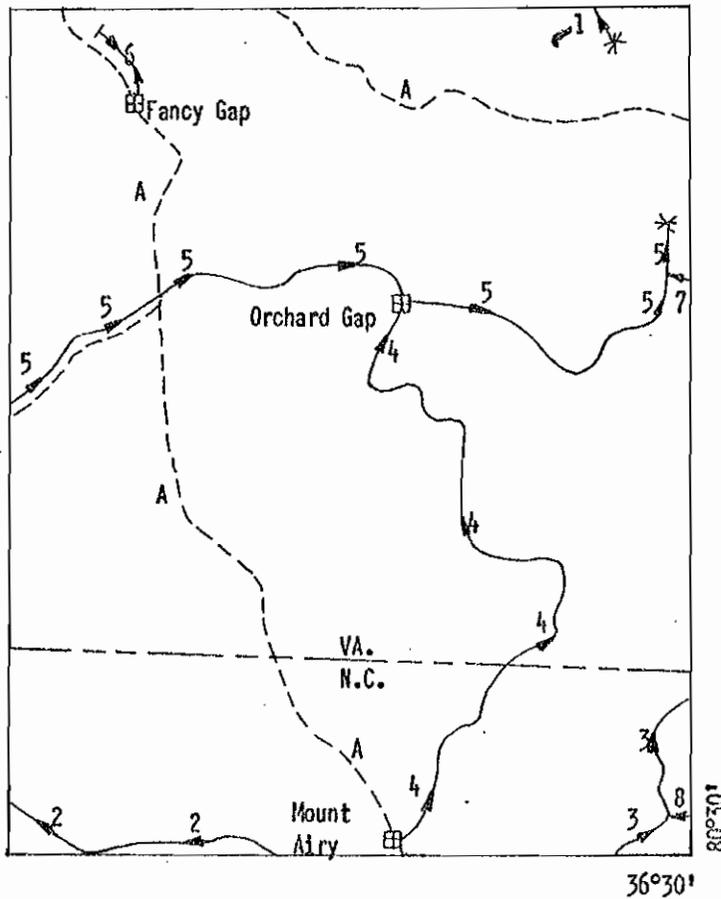
PR: CRV/jyk

NGVD 29
Elevations

MACKS MOUNTAIN
(52)

GALAX
(21 VA.-273 N.C.)

STUART
(19 VA.-271 N.C.)



DOBSON
(247)

NGS (USC&GS) VERTICAL CONTROL DATA

- A. Quadrangle 360804
- * Tie to Isolated Control

MOUNT AIRY QUADRANGLE
20 VA.-272 N.C.

36-080-42
N3630-W8030/15

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Elevations

MOUNT AIRY QUADRANGLE
Book B2721

20 VA.-272 N.C.

S. L. Parker

1927

ISOLATED BENCH MARKS (By S. L. Parker, 1927; Book B2721)

Feet

Mount Airy, 7.0 mi NE. of; 21.0 mi SW. of Stuart, on State Highway 80; at Vaughns filling station; on Slate Mountain; on N. side of hwy.; in line with rd. fork SW.; in concrete post; standard tablet stamped "TT STA NO 8 T 1927" (Not found, 1957) 1605.224

Laurel Fork; in SW. corner of Laurel Fork Bank; in concrete post; standard tablet stamped "TT STA NO 13 T 1927" 2771.943

Reference mark; 9.4 ft N. of tablet; in front of bank; in top of concrete retaining wall; chiseled square 2772.31

Laurel Fork Post Office, 3.1 mi NW. of; 0.9 mi N. of church and school; 715 ft W. of rd. forks; 715 ft W. of Lee Nesters farmhouse; 55 ft W. of small wooden bridge across rd.; 9 ft N. of fence line; in point of small rocky spur; in top of blue stone outcrop; standard tablet stamped "P 1 1927" 2510.832

U.E., Laurel Fork; 3.8 mi W. of post office, along State Highway 12; on side of long hill; 20 ft S. of center of rd.; in top of sandstone outcrop; chiseled square 2484.41

Laurel Fork; 3.6 mi W. of post office, along State Highway 12; on new grade; on top of Mw. column of middle pier of concrete bridge over Big Reed Island Creek; standard tablet stamped "P 2 1927" (As reset, 1931) 2365.816

Reference mark; in top of, and at S. end of E. concrete abutment of iron bridge over creek; chiseled square 2369.47

U.E., Crooked Oak School, 0.4 mi NW. of, along State Highway 12; at lane N.; in center of forks and 20 ft E. of hwy.; in root on W. side of 6-in. oak tree; copper nail and washer 2640.62

Laurel Fork, 8.0 mi W. of; 8.5 mi E. of Hillsville, along State Highway 12; 270 ft SW. of George E. Nesters General Store; 30 ft SE. of center of hwy.; in top of sandstone ledge; standard tablet stamped "P 3 1927" 2425.467

Reference mark; 10 ft SW. of tablet; in ledge; chiseled square 2422.60

LINE 1.NGVD 29
Elevations

R. H. Paine, 1956; Book AV 468

Laurel Fork, 2.0 mi N. of; 530 ft N. of Marshall Mill; at Y-rd. fork; 36 ft NE. of State Highway 630; 38 ft W. of Highway 630; 120 ft N. of intersection; in concrete post projecting 4 in.; standard tablet stamped "TT STA NO 14 T 1927 2408" 2408.138

U.E., at bridge over Laurel Fork; on SW. end of SE. concrete abutment; chiseled cross 2403.06

LINE 2.

R. H. Paine, 1956; Book AV 468

10 4 1.39 U.E., 100 ft NW. of crossroad; on SW. corner of concrete base of Shell Gasoline pumps; chiseled square 1066.06

MOUNT AIRY QUADRANGLE

20 VA.-272 N.C.

LINE 2 (Cont'd.)

Feet

- | | | | |
|------|------|--|----------|
| 10 5 | 1.98 | Mount Airy; 1.8 mi W. of post office, along State Highway 89; about 550 ft W. of crossroad at crest of hill, at "Wayside Park"; 29 ft S. of State Highway 89; 21 ft W. of dirt street S.; in concrete post projecting 5 in.; standard tablet stamped "TT 6 TWC 1955 1117" (Reported destroyed, 1967) | 1117.047 |
| 10 7 | 3.72 | U.E., about 210 ft W. of T-rd. fork; on E. end of S. concrete curbing of concrete bridge over Stewart's Creek; chiseled square | 1061.85 |
| 10 8 | 4.58 | Mt. Airy, 4.4 mi W. of, along State Highway 89; about 115 ft SSW. of Troy Smith residence; 20 ft S. of State Highway 89; 12 ft E. of woods rd. S.; in concrete post projecting 4 in.; standard tablet stamped "TT 5 TWC 1955 1207" (Tablet was found leaning about 20° to E. where it had been hit. Post was straightened and tamped until solid.) | 1207.040 |

[Jogs into Dobson quadrangle]

- | | | | |
|-------|------|---|----------|
| 10 15 | 8.42 | Mt. Airy, 6.5 mi W. of, along State Highway 89, thence 1.7 mi NW. along Crooked Oak Road; at 5-rd. intersection; 32 ft SW. of paved rd.; 22 ft SE. of graded rd. SW.; 9 ft E. of 14-in. poplar tree; in concrete post set flush with ground; standard tablet stamped "TT 3 TWC 1955 1312" | 1311.846 |
|-------|------|---|----------|

LINE 3.

S. E. Mattingly, 1957; Book AV 468

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|------|------|--|----------|
| 1 11 | 6.80 | Mt. Airy; 7.5 mi E. of post office, along State Highway 89 to Chestnut Ridge Baptist Church; 53 ft S. of centerline of hwy.; 6 ft N. of bottom step; in concrete sidewalk; standard tablet stamped "TT 10 TWC 1955 RESET 1959" | 1594.219 |
| 1 16 | 9.47 | "TT 11 TWC 1955 1529" (Destroyed, 1967) | 1528.986 |

LINE 4.NGVD 29
Elevations

S. E. Mattingly, 1957; Book AV 468

- | | | | |
|------|------|---|----------|
| 1 26 | 3.04 | Mt. Airy; 3.7 mi NE. of post office, along State Highway 104; at N. corner of concrete bridge over Johnson Creek; in abutment; standard tablet stamped "1 MAT 1957 1067" | 1067.350 |
| 1 26 | 3.04 | Reference mark; about 150 ft SW. of tablet; at SW. corner of bridge; on abutment; chiseled square | 1067.29 |
| 1 29 | 5.05 | Virginia-North Carolina State line, on Route 104; 33 ft E. of centerline of rd.; about 5 mi NE. of Mt. Airy; 6 ft W. of power pole and projecting 1 in.; concrete post with standard tablet stamped "TT 90 T 1939 1162" | 1161.814 |
| 1 33 | 7.83 | The Hollow; 0.2 mi E. of post office; in vertical face of concrete foundation of Hunters Chapel midway between two front doors; standard tablet stamped "TT 91 T 1939 1390" | 1390.104 |

MOUNT AIRY QUADRANGLE

20 VA.-272 H.C.

NGVD 29
Elevations36-080-42
5LINE 4 (Cont'd.)Feet

1	37	9.94	Mt. Airy; 7.6 mi NE. of post office, along State Highway 104 to junction with State Highway 672, thence NW. along Highway 672 to junction with State Highway 739 S.; about 30 ft N. and 81 ft W. of, and 3.5 ft lower than intersection; in frontyard of I. McKirby residence, along small fence row; in concrete post projecting 2 in.; standard tablet stamped "2 MAT 1957 1324"	1324.534
1	38	11.12	Mt. Airy; 7.6 mi NE. of post office, along State Highway 104 to junction with State Highway 672, thence NW. along Highway 672 to junction with Highway 677; Willis Gap Missionary Baptist Church, 0.4 mi N. of; about 140 ft N. and 30 ft E. of, and 7 ft higher than Y-rd. intersection of Highways 672 and 677; 4 ft E. of power pole; in concrete post; standard tablet stamped "3 MAT 1445 1957"	1445.400
1	43	13.31	Willis Gap Missionary Baptist Church, 2.6 mi N. of, along State Highway 677 to T-rd. intersection W. with State Highway 675; 21 ft S. and 20 ft E. of, and level with centerline; 14 ft W. of small drain; 80 ft NE. of one-story white house; in concrete post; standard tablet stamped "4 MAT 1452 1957"	1451.947
1	47	14.99	Orchard Gap, 2.9 mi S. of, along State Highway 691 to intersection with State Highway 678, thence E. along Highway 678 to T-rd. intersection with State Highway 677, thence E. along Highway 677 to Y-rd. intersection with State Highway 670; at cinder block apple packing house at Carroll-Patrick County line; 20 ft SE. of SE. corner of building; 30 ft W. of centerline; 1 ft E. of power pole; in concrete post; standard tablet stamped "5 MAT 1537 1957"	1536.892
1	51	16.79	Orchard Gap, 2.3 mi S. of, along State Highway 691 to intersection with State Highway 734; about 81 ft N. and 29 ft E. of, and level with three prong intersection; 11 ft W. of 20-in. locust tree; in concrete post projecting 4 in.; standard tablet stamped "6 MAT 1694 1957"	1693.872
1	54	17.78	U.E., about 120 ft W. of two-story frame house; on SW. corner of 11- by 11-ft concrete catch basin at W. edge of orchard; chiseled square	2130.69
1	58	19.23	Orchard Gap; 53 ft NW. and 159 ft NE. of, and 9 ft lower than crossroad; in 5- by 5-in. concrete post adjacent to wire woven fence; standard tablet stamped "USDI NPS V 317 11:39"	2662.347

LINE 5.

S. E. Mattingly, 1957; Book AV 468

1	66	2.09	Pipers Gap, 2.0 mi NE. of, along Blue Ridge Parkway; 36 ft S. and 75 ft E. of, and 3 ft higher than intersection with private drive SE.; in grassy bank and level with ground; in concrete post; standard tablet stamped "7 MAT 2922 1957"	2922.144
1	68	4.09	Reference mark; 63 ft SE. of tablet; on S. corner of concrete sewer; chiseled square	3058.25

MOUNT AIRY QUADRANGLE

20 VA.-272 N.C.

NGVD 29
Elevations36-080-42
6LINE 5 (Cont'd.)Feet

1	68	4.09	Pipers Gap, 4.0 mi NE. of; Fancy Gap, 4.7 mi SW. of, along Blue Ridge Parkway; 0.2 mi W. of milepost 202; 43 ft N. of crossroad; in concrete post projecting 3 in.; standard tablet stamped "8 MAT 3060 1957"	3059.706
1	69	4.68	U.E., about 135 ft E. of private drive N. to Walters residence on hilltop; 20 ft S. of centerline of Parkway; on W. end of concrete storm sewer; chiseled square	3104.37
1	71	5.43	U.E., 25 ft W. and 1 ft lower than crossroad of two private driveways N. and S.; on NW. corner of concrete storm sewer; chiseled square	2851.790
1	72	6.30	Reference mark; 75 ft SE. of tablet; on S. corner of concrete sewer; chiseled square	2927.89
1	72	6.30	Fancy Gap, 0.5 mi SE. of, along Blue Ridge Parkway to intersection with State Highway 778; 48 ft N. of crossroad; 6 ft E. of single locust tree; in concrete post projecting 1 in.; standard tablet stamped "9 MAT 2930 1957"	2929.866
1	76	8.68	Reference mark; 48 ft SW. of tablet; 12 ft NW. of narrow blacktop rd. connecting Parkway with gravel rd.; on top of small boulder; chiseled square	2909.95
1	76	8.68	Fancy Gap, 1.8 mi E. of, along Blue Ridge Parkway; about 850 ft E. of milepost 198; 12 ft NW. and 25 ft NE. of, and 3 ft lower than intersection of Parkway with drive SW. to gravel rd.; 7 ft SW. of 14-in. locust tree; in concrete post; standard tablet stamped "10 MAT 2906 1957"	2905.720
1	80	11.15	Reference mark; about 78 ft SW. of tablet; at SW. corner of overpass; in wheelguard; chiseled square	2761.70
1	80	11.15	Fancy Gap, 4.3 mi E. of, to overpass; Orchard Gap, 1.8 mi W. of; Gladesboro, 2.0 mi SW. of; in N. wheelguard of overpass over State Highway 608; standard tablet stamped "11 MAT 2761 1957"	2761.292
2	2	12.97	"USOI NPS V 317 11:39" (Described in line 4)	2662.347
2	5	14.59	U.E., 45 ft W. of milepost 192; on SE. corner of concrete sewer; chiseled square	2696.59
2	6	15.21	U.E., about 150 ft SE. of summit, along Parkway; 61 ft NW. and 16 ft NE. of crossroad of Parkway and State Highway 608; on NW. corner of concrete sewer; chiseled square	2819.68
2	7	16.06	Reference mark; 45 ft W. of tablet; on SE. corner of stone headwall to culvert; chiseled square	2810.98
2	7	16.06	Orchard Gap, 3.1 mi E. of; Ground Hog Hill, 1.9 mi W. of; 32 ft N. and 54 ft W. of crossroad of Parkway and State Highway 608; adjacent to small wooded area; in concrete post; standard tablet stamped "12 MAT 2814 1957"	2814.785

MOUNT AIRY QUADRANGLE

20 VA.-272 N.C.

NGVD 29
ElevationsLINE 5 (Cont'd.)Foot

2	10	17.54	U.E., about 120 ft E. of E. entrance to Pilot Mountain Overlook; on SW. corner of concrete sewer; chiseled square	2950.19
2	11	17.92	Reference mark; 33.5 ft SW. of tablet; at NW. corner of small graveyard and inside of fence; in 5- by 5-in. concrete post; standard tablet stamped "USDI NPS"	3035.68
2	11	17.92	Ground Hog Hill; about 250 ft W. of small wooden lookout tower; on grassy knoll enclosed by circular roadway; 32 ft NE. of NW. corner of small graveyard; in concrete post flush with ground; NGS standard reference mark disk stamped "NO 3 BOWMAN 1933"	3034.840
2	13	18.99	U.E., about 530 ft E. of milepost 188; 30 ft N. and 30 ft W. of crossroad; on SW. corner of stone culvert; painted circle	2771.86
2	14	19.19	U.E., 25 ft S. and 30 ft S. of crossroad of Parkway and State Highway 639; on NW. corner of concrete sewer; chiseled square	2724.77
2	15	20.19	Reference mark; 36 ft SW. of tablet; on N. end of stone headwall to culvert; chiseled square	2687.82
2	15	20.19	Ground Hog Hill; 2.1 mi NE. of, along Parkway; 0.3 mi E. of milepost 187; 60 ft N. and 45 ft E. of, and 1 ft lower than crossroad of Parkway and State Highway 631; in concrete post projecting 2 in.; standard tablet stamped "13 MAT 2689 1957"	2688.488
2	20	22.38	Laurel Fork, 3.1 mi S. of; 2.7 mi N. of Bell Spur Church; 23 ft SW. of centerline of State Highway 638; 97 ft SW. of frame dwelling; 60 ft NW. of intersection of private entrance; in concrete post; standard tablet stamped "TT 12 T 1927 RESET 1961"	2727.937

LINE 6.

S. E. Mattingly, 1957; Book AV 468

2	25	0.00	"J 32 1933" (NGS)	2787.924
2	26	0.76	U.E., 25 ft N. and 25 ft E. of I-rd. intersection E. of State Highway 675 and U. S. Highway 52; 300 ft SW. of Sunnyside School; on NE. corner of concrete culvert; chiseled square	2604.30
2	27	1.49	Hillsville, 2.0 mi S. of, along U. S. Highway 52 to Collins Motel; 66 ft SW. of center of Highway 52; 57 ft NE. of NE. corner of motel; set in front lawn; in concrete post projecting 3 in.; standard tablet stamped "14 MAT 2683 1957"	2682.600
2	29	2.93	"J 32 1933" (NGS)	2787.924

MOUNT AIRY QUADRANGLE
Book 468

20 VA-272 H.C.

H. W. Clarkson

1967

LINE 7.

Feet

H. W. Clarkson, 1967; Book 468

1 17 10.22 "13 MAT 2689 1957" (Described in line 5)

2688.488

LINE 8.

D. O. Pruitt, 1962; Book AV 872

There are no permanent marks on this line in this quadrangle.

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Elevations