

N3500-W7915/15  
**SOUTHERN PINES QUADRANGLE NORTH CAROLINA**

UNITED STATES DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

Third-order leveling  
 Sea Level Datum of 1929  
 through medium of South-  
 eastern Supplementary  
 Adjustment of 1936

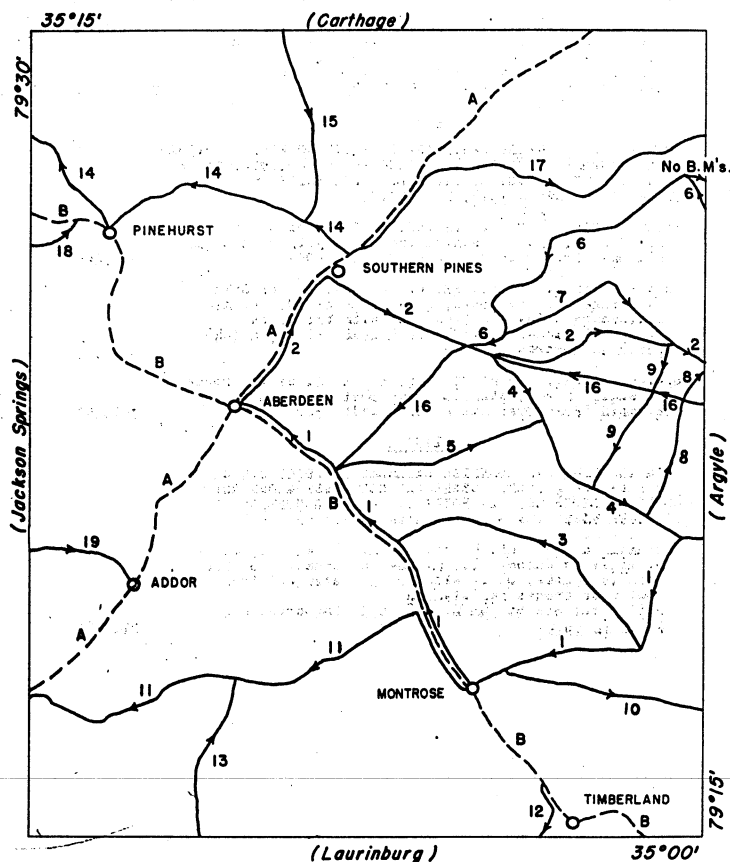
Hoke, Moore, Richmond, and  
 Scotland Counties

6/3/49 feb

Supersedes multilith list of  
 October 21, 1946  
 6/17/49 E.M.J

**U.S.C. & G.S. LEVEL LINES**

- A. Savannah, Ga. to Moncure, N. C., 1918 (4)
- B. Fayetteville to High Point, N. C., 1935 (45)



SOUTHERN PINES QUADRANGLE NORTH CAROLINA N3500-W7915/15

Feet 3

**LINE 1.**

FROM ARGYLE QUADRANGLE AT POINT ON CHICKEN ROAD 1.1 MILES WEST OF CAMPBELLS CROSSROADS ALONG ROADS WEST AND SOUTH TO OLD PLANK ROAD, THENCE SOUTHWEST TO MONTROSE, THENCE NORTHWEST ALONG ABERDEEN AND ROCKFISH RAILROAD TO ABERDEEN (by R. G. Clinite, 1918; Book B309)

- Campbells Crossroads, 2.9 mi. W. thence 0.4 mi. S. from, 1.5 mi. N. of Sandy Grove Church, on summit of low ridge, 14 ft. E. of rd., in scrub oak timber; standard iron post with bronze cap stamped "Prim Trav Sta No 32 Mac 1918 345" 345.461
- Sandy Grove Church, 350 ft. S. of, 4.0 mi. NE. of Montrose, 35 ft. N. and 15 ft. E. from intersection of Sandy Grove and Old Plank rds.; standard iron post with bronze cap stamped "Prim Trav Sta No 33 Mac 1918 306" 305.732
- Montrose, 2.0 mi. NE. of, about 300 ft. W. of rd. forks, 25 ft. S. of Old Plank rd.; standard iron post with bronze cap stamped "Prim Trav Sta No 34 Mac 1918 347" 346.874
- Montrose, near Aberdeen and Rockfish R.R. sta., 370 ft. E. of R.R. crossing, 18 ft. N. of intersection of Old Plank and Lumberton rds., at State Sanatorium property corner; standard iron post with bronze cap stamped "Prim Trav Sta No 35 Mac 1918 482" (recovered by U.S.C. & G.S. in 1935; in 1948 reported destroyed) 482.512
- Montrose, 1.2 mi. NW. of, 2.7 mi. SE. of Ashley Heights, 120 ft. S. of Sanatorium sta., 40 ft. W. of power plant, on S. side of coal dump, on E. end of top course of concrete abutment; chiseled square 535.76
- Ashley Heights, 5.1 mi. SE. of Aberdeen, 143 ft. S. of S. corner of post office, 40 ft. SW. of crossing of A. & R. R.R. and State Highway 211, in NE. corner of yard of Baptist Church, 30 ft. SW. of SW. rail; standard iron post with bronze cap stamped "Prim Trav Sta No 36 Mac 1918 439" (recovered by U.S.C. & G.S. in 1935; in 1948 reported destroyed) 437.640
- Aberdeen, 2.5 mi. SE. of, 0.2 mi. W. of Hoke-Moore county line, 270 ft. SE. of switch of spur sidetrack, 25 ft. NE. of main track; standard iron post with bronze cap stamped "Prim Trav Sta No 37 Mac 1918 458" 457.854
- U.S.C. & G.S. standard disk stamped "Q 10 1918" (searched for but not recovered in 1934) 339.074
- U.S.C. & G.S. standard disk stamped "R 10 1918" 339.337

Feet 4

**LINE 2.**

FROM ABERDEEN NORTHEAST ALONG SEABOARD AIR LINE RAILROAD TO SOUTHERN PINES, THENCE SOUTHEAST 5.4 MILES ALONG SOUTHERN PINES AND MORGANTON ROADS, THENCE NORTHEAST ALONG ABANDONED RAILROAD GRADE AND SOUTHEAST ALONG YADKIN ROAD INTO ARGYLE QUADRANGLE AT POINT NEAR MCPHERSON MOUNTAIN (by R. G. Clinite, 1918; Book B309)

- Quentin B. and Quentin C. triangulation station reference mark, 2.1 mi. NE. of Aberdeen, 1.7 mi. SW. of Southern Pines, 49 ft. W. of W. rail, at curve, set in concrete; U.S.C. & G.S. standard reference disk stamped "S 10" (in 1948 reported destroyed) 439.625
- U.S.C. & G.S. standard disk stamped "T 10 1918" 515.950
- U.S.C. & G.S. standard disk stamped "U 10 1918" 515.593
- Southern Pines, 3.3 mi. SE. of along Southern Pines rd., near Hoke-Moore county line, 20 ft. S. of rd.; standard iron post with bronze cap stamped "Prim Trav Sta No 38 Mac 1918 397" 397.184
- Southern Pines, 5.4 mi. SE. of, about 600 ft. NE. of Silver Run Church, at intersection of Morganton rd. and abandoned R.R. grade, on embankment on W. side of rd.; standard iron post with bronze cap stamped "Prim Trav Sta No 39 Mac 1918 441" 441.510
- Southern Pines, 5.4 mi. SE. thence 2.1 mi. NE. from, 2.0 mi. NW. of McPherson Mountain, 0.6 mi. W. of Yadkin rd., 800 ft. W. of telephone line, 250 ft. NE. of R.R. grade, on N. side of rd.; standard iron post with bronze cap stamped "Prim Trav Sta No 40 Mac 1918 441" 441.729

**LINE 3.**

FROM SANDY GROVE CHURCH NORTHWEST ALONG ROAD TO HILLVIEW SCHOOL, THENCE WEST AND SOUTHWEST TO ASHLEY HEIGHTS (by R. G. Clinite, 1918; Book B310)

- Sandy Grove Church, 2.1 mi. NW. of, 2.4 mi. SE. of Hillview School, 450 ft. NE. of crossing of Chicken rd. over Big Rockfish Creek, 25 ft. NW. of junction of Chicken rd. and rd. SE., 6 ft. E. of blazed oak tree; standard iron post with bronze cap stamped "Prim Trav Sta No 410 M 1918 248" (reported not found in 1948) 247.802

NGVD 29  
 Elevations

Hillview School, 2.8 mi. NE. of Ashley Heights, on S. side of Moore County rd., 65 ft. S. of SW. corner of schoolhouse; standard iron post with bronze cap stamped "Prim Trav Sta No 409 M 1918 394" 394.495

LINE 4.

FROM POINT 4.5 MILES SOUTHEAST OF SOUTHERN PINES SOUTHEAST ALONG SOUTHERN PINES ROAD TO JUNCTION OF CHICKEN ROAD AT POINT 1.6 MILES WEST OF CAMPBELLS CROSSROADS (by R. G. Clinite, 1918; Book B310)

Southern Pines, 5.7 mi. SE. of, on SW. side of rd., 12 ft. W. of crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 63 B 1918 405" 405.582

Southern Pines, 7.8 mi. SE. of, 0.2 mi. NW. of bridge over Piney Bottom Creek, on W. side of rd., at dim crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 62 B 1918 303" (in 1948 reported destroyed) 303.536

Southern Pines, 9.7 mi. SE. of, 50 ft. N. of rd. forks, at angle in rd.; standard iron post with bronze cap stamped "Prim Trav Sta No 61 B 1918 360" 360.497

LINE 5.

FROM ABERDEEN AND ROCKFISH RAILROAD AT POINT 2.5 MILES SOUTHEAST OF ABERDEEN GENERALLY NORTHEAST ALONG ROAD TO SOUTHERN PINES ROAD AT POINT 6.0 MILES SOUTHEAST OF SOUTHERN PINES (by R. G. Clinite, 1918; Book B310)

Aberdeen, about 5 mi. E. of, 1.2 mi. N. and 1.5 mi. W. of Hillview School, 1.1 mi. SW. of crossing of Big Rockfish Creek, on S. side of rd.; standard iron post with bronze cap stamped "Prim Trav Sta No 408 M 1918 453" (reported not found in 1948) 452.686

LINE 6.

FROM ARGYLE QUADRANGLE AT POINT NEAR MCCLOUD CEMETERY NORTHWEST 0.5 MILE, THENCE SOUTHWEST 4.5 MILES ALONG ROADS PARALLEL TO JAMES CREEK, THENCE GENERALLY SOUTH ALONG ROADS IN ZIGZAG COURSE TO POINT ON SOUTHERN PINES ROAD 0.5 MILE EAST OF HOKE-MOORE COUNTY LINE (by R. G. Clinite, 1918; Book B334)

McCloud Cemetery, 0.5 mi. NW. of, 0.2 mi. SW. of dwelling of R. H. Rollins, 0.1 mi. NW. of bridge over James Creek, 60 ft. N. of rd. junction, on W. side of rd.; standard iron post with bronze cap stamped "Prim Trav Sta No 69 B 1918 249" 248.992

McCloud Cemetery, 3.2 mi. SW. of, 5.7 mi. NE. of Southern Pines, 0.6 mi. NW. of James Creek School, 200 ft. W. of rd. forks, 100 ft. E. of James Creek Bridge, 40 ft. N. of Yarkin rd., on small knoll; standard iron post with bronze cap stamped "Prim Trav Sta No 72 B 1918 264" 264.239

Southern Pines, 3.7 mi. in airline SW. of, 1.2 mi. NE. of crossing of Southern Pines rd. and Hoke-Moore county line, 0.5 mi. E. of dwelling of Mrs. Phillips, 50 ft. SE. of bridge over James Creek, 10 ft. W. of rd.; standard iron post with bronze cap stamped "Prim Trav Sta No 71 B 1918 295" 295.974

LINE 7.

FROM ROAD JUNCTION ABOUT 4 MILES SOUTHEAST OF SOUTHERN PINES NORTHEAST ALONG MANLEY ROAD TO YADKIN ROAD, THENCE SOUTHEAST 1.6 MILES (by H. P. Kilby, 1918; Book B335)

Southern Pines, 6.0 mi. in airline E. of, 0.5 mi. SE. of James Creek School, 0.4 mi. NE. of dwelling of J. H. Price, about 800 ft. SW. of intersection of Manley and Yarkin rds., 100 ft. SW. of rd. forks, on NW. side of rd.; standard iron post with bronze cap stamped "Prim Trav Sta No 67 B 1918 363" 362.680

LINE 8.

FROM ROAD JUNCTION ON SOUTHERN PINES ROAD 9.7 MILES SOUTHEAST OF SOUTHERN PINES NORTHEAST ALONG ROAD INTO ARGYLE QUADRANGLE NEAR THE INTERSECTION OF MORGANTON ROAD (by H. P. Kilby, 1918; Book B335)

Southern Pines, 8.3 mi. in airline SE. of, 3.2 mi. W. of Battlefield farm, 1.5 mi. SW. of McPherson Mountain, on ridge near the head of Calf Branch, 300 ft. S. of crossroads, 5 ft. W. of rd., under power transmission line; standard iron post with bronze cap stamped "Prim Trav Sta No 78 B 1918 394" 394.304

LINE 9.

FROM YADKIN ROAD AT POINT 0.5 MILE NORTH OF MCPHERSON MOUNTAIN SOUTHWEST ALONG ROAD TO SOUTHERN PINES ROAD AT POINT 0.2 MILE WEST OF THE CROSSING OF CALF BRANCH (by H. P. Kilby, 1918; Books B335 and B336)

McPherson triangulation sta., about 8.5 mi. SE. of Southern Pines, about 10 mi. N. of Raeford, 1.1 mi. W. of Raeford-Vass rd., 0.4 mi. E. of Morganton rd., 0.3 mi. SW. of Yarkin rd., on low wooded hill locally known as McPherson Mountain, in top of 18- by 18-in. concrete post set 30 in. in ground; standard tablet stamped "543" (possibly disturbed prior to recovery in 1946) 542.987

LINE 10.

FROM OLD PLANK ROAD AT POINT 0.5 MILE NORTHEAST OF MONTROSE EAST ALONG SOUTH BOUNDARY OF FORT BRAGG MILITARY RESERVATION 4.5 MILES INTO ARGYLE QUADRANGLE (by R. G. Clinite, 1918; Book B334; and H. P. Kilby, 1918; Book B335)

Montrose, 3.0 mi. E. of, 1.5 mi. SW. of Sandy Grove Church, 4.5 mi. NW. of Raeford, 10 ft. E. of boundary stake 149 and center of N.-S. rd.; standard iron post with bronze cap stamped "Prim Trav Sta No 73 B 1918 280" 280.600

LINE 11.

FROM STATE SANATORIUM NORTHWEST ALONG STATE HIGHWAY 211 ABOUT 1 MILE, THENCE SOUTHWEST ALONG DIRT ROAD BY WAY OF PINE HILL BAPTIST CHURCH AND CAMP MACCALL MILITARY RESERVATION INTO JACKSON SPRINGS QUADRANGLE (by R. L. Beitle, 1946; Book V262a)

State Sanatorium, 2.7 mi. SE. along A. & R. R.R. from sta. at Ashley Heights, 65 ft. E. of entrance to sanatorium, 100 ft. SE. of switch of sidetrack, 18 ft. SW. of SW. rail, 33 ft. SE. of center of rd. crossing, 25 ft. NE. of center of State Highway 211; in concrete post 1 in. underground; North Carolina Geodetic Survey standard disk stamped "98" (elevation determined by U.S.C. & G.S. in 1935; reported not found in 1948) 531.958

Ashmont School, 1.8 mi. SE. of Ashley Heights, at main entrance to school building, on N. end of second concrete step; chiseled L 495.12

Ashmont School, 1.3 mi. SW. of along dirt rd., 2.1 mi. NE. of Pine Hill Baptist Church, 4 1/2 ft. S. and 7 ft. E. from junction of third-class rd. S., in concrete post; standard tablet stamped "RLB 30 1946 406" 406.018

Reference mark, 400 ft. N. of tablet, 2 1/2 ft. S. of center of rd., on top of concrete post projecting 18 in. above ground and inscribed "N C S 5"; chiseled square 408.72

Ashmont School, 2.2 mi. SW. of, 1.2 mi. NE. of Pine Hill Baptist Church, 32 ft. SW. and 37 ft. SE. from crossroads, in base on S. side of 10-in. pine tree; rail spike 403.48

Ashmont School, 3.2 mi. SW. of, 0.3 mi. NE. of Pine Hill Baptist Church, 40 ft. S. and 300 ft. W. from Y-rd. forks, 163 ft. SW. of power-line pole 356, 61 ft. NE. of NE. corner of log barn, 6 ft. W. of ditch at edge of cultivated field, in concrete post; standard tablet stamped "RLB 31 1946 358" 358.21

Reference mark, 10 1/2 ft. NW. of tablet, 35 ft. S. of center of rd., 120 ft. NE. of NE. corner of house, in root on N. side of 10-in. oak tree; copper nail and washer 356.00

Ashmont School, 4.2 mi. SW. of, 29 ft. N. and 369 ft. W. from center of wooden bridge over Quewhiffle Creek, 29 ft. N. and 1 ft. E. of center of Y-rd. forks, 47 ft. S. of power-line pole, in concrete post flush with ground; North Carolina Geodetic Survey standard disk stamped "N + C 91" (in 1948 reported destroyed)	287.191
Reference mark, 197 ft. W. of tablet, 45 ft. N. and 185 ft. W. of center of forks of rd. N., in root on E. side of easternmost tree of clump of pine trees; copper nail and washer	295.52
Ashmont School, 5.1 mi. SW. of, 5.8 mi. S. of Aberdeen, 50 ft. S. and 36 ft. W. of crossroads, 15 ft. SE. of NE. corner of Brown and Moss service sta., 1 ft. N. of brick pillar supporting overhanging roof, in concrete post; standard tablet stamped "RLB 32 1946 351"	350.724
Reference mark, 386 ft. NW. of tablet, 69 ft. W. of SW. corner of white frame house, 25 ft. N. of center of rd., in root on NE. side of 30-in. oak tree; copper nail and washer	352.99
Ashmont School, 6.2 mi. SW. of, 0.4 mi. NE. of bridge over Drowning Creek, 53 ft. S. of center of dirt rd. at top of hill, in base on N. side of 12-in. pine tree; rail spike	320.44
Ashmont School, 7.3 mi. SW. of, at Camp Mackall, 0.7 mi. SW. of gate 2 and bridge over Drowning Creek, at traffic control station, on S. end of concrete foundation; chiseled square	279.84
Ashmont School, 8.1 mi. SW. of, at Camp Mackall, 0.4 mi. NE. of wooden bridge over stream, 640 ft. NE. of small lake, 14 ft. S. and 68 ft. E. of center of crossroads, in concrete post; standard tablet stamped "T 19 FLS 1946 322"	321.680 ✓
Reference mark, 143 ft. NW. of tablet, 90 ft. N. and 50 ft. E. of crossroads, 24 ft. SE. of SE. corner of storm drain, in root on W. side of 6-in. oak tree; copper nail and washer	315.84
Ashmont School, 9.2 mi. SW. of, at NE. end of airport, 56 ft. S. and 45 ft. E. of junction of black top and dirt rds., 25 ft. S. of wire fence, in crotch on E. side of 6-in. two-trunk oak tree; rail spike	352.17

LINE 12.

FROM ABERDEEN AND ROCKFISH RAILROAD AT POINT 2.7 MILES SOUTHEAST OF MONTROSE SOUTHWEST ALONG ROAD INTO LAURINBURG QUADRANGLE (by R. L. Beitle, 1946; Book V262a)	
U.S.C. & G.S. standard disk stamped "C 75 1935"	384.894
Montrose, 2.7 mi. SE. of along R.R., thence 0.7 mi. SW. along rd., 5.5 mi. along State Highway 211 NW. of Raeford, 30 ft. N. of junction of hwy. and dirt rd. SW., 8 ft. NE. of signpost, in concrete post projecting 4 in. above ground; U.S.C.G. metal disk designated "T T 11 A 95"	381.030
Raeford, 5.4 mi. NW. of along State Highway 211, thence 1.1 mi. SW. along dirt rd., 22 ft. E. of center of rd., 32 ft. W. of center of parallel woods rd., in base on E. side of leaning 10-in. oak tree; copper nail and washer	360.43

LINE 13.

FROM LAURINBURG QUADRANGLE NORTH ALONG U. S. HIGHWAYS 15 AND 501 TO POINT 5.8 MILES SOUTH OF ABERDEEN (by R. L. Beitle, 1946; Book V262a)	
Aberdeen, 8.9 mi. S. of along hwy., 1.2 mi. S. of bridge over Drowning Creek, 36 ft. E. of center of hwy., in root on NW. side of 12-in. lone oak tree; copper nail and washer	315.07
Aberdeen, 8.4 mi. S. of along U. S. Highway 15, 0.7 mi. S. of bridge over Drowning Creek, 35 ft. W. of center of hwy., 3 ft. W. of ditch, on bank 3 ft. high at E. edge of cultivated field, in concrete post projecting 6 in. above ground; U.S.C.G. metal disk stamped "T T 95 A 40"	276.748 ✓
Reference mark, 481 ft. S. of disk, at culvert over stream, on NE. end of concrete head wall; chiseled U	270.76
Aberdeen, 7.1 mi. S. of along hwy., 0.6 mi. NE. of bridge over Drowning Creek, 30 ft. N. and 36 ft. E. of junction of private lane E., in root on W. side of 12-in. oak tree; rail spike	302.81

NGVD 29  
Elevations

LINE 14.

FROM SOUTHERN PINES WEST ALONG STATE HIGHWAY 2 TO PINEHURST, THENCE NORTHWEST ALONG STATE HIGHWAY 211 AND DIRT ROAD INTO JACKSON SPRINGS QUADRANGLE AT POINT ABOUT 2 MILES NORTHWEST OF TAYLOR TOWN (by R. L. Beitle, 1946; Book V262a)	
U.S.C. & G.S. standard disk stamped "Foch B 1918"	491.689
Southern Pines, 1.7 mi. NW. of, 42 ft. N. and 165 ft. W. of junction of hwy. and macadam rd. N. to Knollwood airport, near center of grassy triangle, on SE. corner of concrete cover of water main; chiseled square	374.00
Southern Pines, 2.6 mi. NW. of along State Highway 2, 40 ft. N. and 41 ft. E. of junction of west-bound traffic lane of dual hwy. and rd. N. to Knollwood airport, 12 ft. E. of telephone pole, at brick pillar of fence, in concrete post; standard tablet stamped "RLB 34 1946 508"	507.509
Reference mark, 121 ft. SW. of tablet, 41 ft. S. and 34 ft. E. of junction of east-bound traffic lane of hwy. and rd. S., in top of 4- by 4-in. concrete right-of-way post; nail	508.26
Southern Pines, 3.7 mi. NW. of along hwy., 3.3 mi. NE. of Pinehurst, 13 ft. S. and 70 ft. W. of crossroads, 8 ft. N. of center line of parkway in dual hwy., 3 ft. S. of edge of rd., in base on N. side of 14-in. pine tree; rail spike	506.88
Pinehurst, 2.3 mi. NE. of R.R. sta., 39 ft. S. of center line of east-bound traffic lane of dual hwy., 19 ft. E. of power-line pole, 1 ft. N. of hedge fence, in concrete post projecting 4 in. above ground; standard tablet stamped "RLB 35 1946 495"	494.486
Reference mark, 17 ft. W. of tablet, 3 ft. NE. of power-line pole, on top of 4- by 4-in. concrete right-of-way post; chiseled square	495.02
Pinehurst, 1.2 mi. NE. of, 39 ft. N. and 31 ft. E. of junction of west-bound traffic lane of dual hwy. and rd. NE., 59 ft. N. of center of parkway between lanes, in top of concrete post; nail	505.99
U.S.C. & G.S. standard disk stamped "K 75 1935"	510.412

Pinehurst, 1.1 mi. NW. of along State Highway 211, 0.3 mi. SE. of junction of rd. N. to Taylor Town, 30 ft. N. and 242 ft. W. of junction of woods rd. N., in root on N. side of 20-in. pine tree; rail spike	514.73
Taylor Town, at NW. edge of village, 240 ft. NW. of concrete bridge over Joes Fork, 24 ft. S. and 47 ft. E. of junction of rd. SE., 84 ft. SE. of S. corner of store, in concrete post; standard tablet stamped "T T 29 FLS 1946 394" (in 1948 reported destroyed)	393.799
Reference mark, 228 ft. S. of tablet, at bridge over Joes Fork, on N. end of W. concrete wheel guard; chiseled square	391.86
Taylor Town, 1.9 mi. NW. of, 0.6 mi. S. of bridge over Nicks Creek, 65 ft. NW. and 38 ft. SW. from center of crossing of small stream, 42 ft. SE. and 38 ft. SW. from forks of rd. to Beulah Hill Baptist Church, in root on SE. side of 20-in. gum tree; copper nail and washer	445.69

LINE 15.

FROM CARTHAGE QUADRANGLE GENERALLY SOUTH ALONG MACADAM ROAD TO JUNCTION OF STATE HIGHWAY 2 AT POINT 2.6 MILES NORTHWEST OF SOUTHERN PINES (by R. L. Beitle, 1946; Book V262a)	
Southern Pines, 1.7 mi. NW. of along State Highway 2, thence 4.2 mi. NW. along macadam rd., 1.1 mi. E. of Knollwood airport, 51 ft. NE. of junction of rd. E., 3 ft. S. and 3 ft. E. of signpost marked "Deatons Nursery 3 Miles," in concrete post 1 in. underground; standard tablet stamped "T T 11 392 1946"	392.287
Reference mark, 356 ft. W. of tablet, 76 ft. NW. and 50 ft. SW. from junction of lane E., 21 ft. NE. of NE. corner of tobacco barn, in base on NW. side of center one of three 20-in. pine trees; rail spike	386.26
Southern Pines, 1.7 mi. NW. of along hwy., thence 3.0 mi. NW. along macadam rd., at Knollwood airport, 68 ft. S. of power-line pole at dim rd. W., 40 ft. SW. of center of rd., on inside of curve, in root on E. side of 12-in. oak tree; copper nail and washer	443.53
Southern Pines, 1.7 mi. NW. of along State Highway 2, thence 2.1 mi. N. along macadam rd., 1.1 mi. SE. of Knollwood airport, 51 ft. E. of center of rd., on top of hill, 23 ft. E. of E. edge of 6-ft. cut, in concrete post; standard tablet stamped "RLB 36 1946 418"	418.074

ABERDEEN  
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600P  
 10/13/04  
 JMC

Reference mark, 93 ft. S. of tablet, 38 ft. E. of center of rd., in base on NW. side of 12-in. pine tree; rail spike	413.35
Southern Pines, 1.7 mi. NW. of along hwy., thence 1.1 mi. N. along macadam rd., 0.5 mi. S. of bridge over Mill Creek, 102 ft. W. of N. apex of triangle at rd. forks, 79 ft. W. of center of W. fork of macadam rd., 18 ft. NW. of telephone pole 41, in base on E. side of 15-in. pine tree; rail spike	462.63
<u>LINE 16.</u>	
FROM ARGYLE QUADRANGLE NORTHWEST ALONG MORGANTON AND SOUTHERN PINES ROADS AND SOUTHWEST ALONG COUNTY LINE ROAD TO ABERDEEN AND ROCKPISH RAILROAD AT POINT 1.7 MILES NORTHWEST OF ASHLEY HEIGHTS (by R. L. Beitle, 1946; Book V262a)	
Southern Pines, 7.8 mi. NE. of, 240 ft. W. of brow of hill, 33 ft. S. of center of rd., opposite shallow cut, in base on SW. side of 18-in. pine tree; rail spike	404.52
Southern Pines, 7.5 mi. SE. of along Southern Pines and Morganton rds., 4.3 mi. SE. of Hoke-Moore county line, 48 ft. SW. of center of Morganton rd., 43 ft. SE. of 12-in. pine tree, in concrete post; standard tablet stamped "T T 23 FLS 1946 355"	355.191
Reference mark, 44 ft. NW. of tablet, 34 ft. SW. of center of rd., at W. end of shallow cut, in root on SW. side of 20-in. pine tree; copper nail and washer	353.91
Southern Pines, 6.5 mi. SE. of, 0.6 mi. NW. of bridge over Piney Bottom Creek, 5 ft. N. of center of Morganton rd. at curve, on E. slope of hill, at junction of old rd. NW., 29 ft. NE. of lone pine tree, in root on S. side of 16-in. oak tree; rail spike	308.26
Southern Pines, 5.4 mi. SE. of along Southern Pines and Morganton rds., 2.2 mi. SE. of Hoke-Moore county line, 1100 ft. E. of intersection of abandoned R.R. grade, 38 ft. N. of center of Morganton rd., in concrete post; standard tablet stamped "T T 22 FLS 1946 447"	446.510
Reference mark, 177 ft. SE. of tablet, 61 ft. S. of rd., in base on N. side of 12-in. pine tree; rail spike	442.66

Southern Pines, 4.3 mi. SE. of, 0.4 mi. SE. of No. 2 ranger sta., 253 ft. SE. and 31 ft. SW. from junction of Southern Pines and Morganton rds., in root on NW. side of 10-in. oak tree; copper nail and washer	373.24
Southern Pines, 3.2 mi. SE. of along Southern Pines rd., 14 ft. S. and 36 ft. W. of intersection of unimproved rd. SW. along W. boundary of Fort Bragg Military Reservation, 11 ft. SW. of signpost marking Hoke-Moore county line, in concrete post; standard tablet stamped "T T 21 FLS 1946 390"	390.357
Reference mark, 105 ft. SE. of tablet, 76 ft. SE. and 58 ft. SW. from crossroads, in base on NW. side of 8-in. pine tree; rail spike	391.30
Southern Pines, 3.2 mi. SE. of along Southern Pines rd., thence 1.2 mi. SW. along rd. along reservation boundary, at top of hill, 17 ft. NW. of center of rd., in concrete post marking reservation boundary; top of iron rod	391.04
Southern Pines, 3.2 mi. SE. of along Southern Pines rd., thence 2.2 mi. SW. along Hoke-Moore county line and reservation boundary rd., 1.5 mi. NE. of State Highway 211, 220 ft. NE. of woods rd. SE., 18 ft. NW. of center of rd., in concrete post; standard tablet stamped "T T 20 FLS 1946 432"	432.492
Reference mark, 9 ft. SW. of tablet, 16 ft. NW. of center of rd., 213 ft. NE. of woods rd. SE., on top of knoll, in concrete post marking reservation boundary; top of iron rod	434.13
Southern Pines, 3.2 mi. SE. of along Southern Pines rd., thence 3.1 mi. SW. along Hoke-Moore county line and reservation boundary rd., 0.5 mi. NE. of State Highway 211, 70 ft. SW. and 16 ft. NW. from forks of rd. E. along SW. boundary of reservation, on N. side of county line rd., in concrete post marking reservation boundary; top of iron rod	511.227

LINE 17.

FROM POINT ON SEABOARD AIR LINE RAILROAD 0.5 MILE NORTHEAST OF SOUTHERN PINES NORTHEAST ALONG U. S. HIGHWAY 1 TO POINT 2.8 MILES NORTHEAST OF MANLY, THENCE SOUTHEAST AND NORTHEAST ALONG DIRT ROADS INTO ARGYLE QUADRANGLE (by R. L. Beitle, 1946; Book V262a)

U.S.C. & G.S. standard disk stamped "Foch B 1918" 491.68

Southern Pines, 1.0 mi. NE. of, 0.4 mi. SW. of rd. crossing at Manly, on top of bank at cut, 30 ft. W. of W. rail, in concrete post; U.S.C. & G.S. standard reference mark disk for triangulation station Foch D (in 1948 reported not found)	469.760
Southern Pines, 2.7 mi. NE. of, 0.5 mi. SW. of Niagara, 225 ft. E. of Seaboard Air Line R.R. track, 70 ft. SE. of center of hwy., 52 ft. E. of brick casing of well, on N. side of pecan grove, in concrete post; U.S.C. & G.S. standard azimuth mark disk for triangulation station Foch B	410.208
U.S.C. & G.S. standard disk stamped "Niagara A 1918 402.611"	402.680
Manly, 2.3 mi. NE. of post office, along U. S. Highway 1, at junction of dirt rd. NW. to Hog Island, 71 ft. SE. of center of hwy., on prolongation of center line of dirt rd., in base on NW. side of 10-in. lone pine tree; rail spike	478.64
Manly, 2.8 mi. NE. of along U. S. Highway 1, thence 0.4 mi. SE. along dirt rd. to Hog Island, 142 ft. SW. of SW. corner of shingled cottage, 73 ft. SW. of N. apex of triangle at junction of rd. and lane to house, 60 ft. NE. of center of rd., 8 ft. SW. of 14-in. pine tree, on property of E. C. Patterson, in concrete post; standard tablet stamped "RLB 40 1946 431"	430.667
Reference mark, 8 ft. N. of tablet, near center of grassy triangle formed by junction of rd. and lane, in base on S. side of 14-in. pine tree; rail spike	431.23
Manly, 2.8 mi. NE. of along hwy., thence 1.5 mi. SE. along dirt rd., 28 ft. S. of center of rd., in root on NE. side of 12-in. oak tree; copper nail and washer	377.95
Manly, 2.8 mi. NE. of along hwy., thence 2.5 mi. SE. along dirt rd. to Hog Island, 32 ft. S. and 42 ft. E. of Y-rd. junction on prolongation of tangent N. at curve, in concrete post; standard tablet stamped "RLB 41 1946 270"	269.695
Reference mark, 27 ft. SE. of tablet, 60 ft. S. and 62 ft. E. of Y-rd. junction, at edge of woods, in base on W. side of 10-in. oak tree; rail spike	268.74

Manly, 2.8 mi. NE. of along hwy., thence 2.5 mi. SE. and 1.0 mi. NE. along dirt rds., 5.9 mi. SW. of Little River Community House at Lobelia, at top of hill, 45 ft. SE. of center of rd., 8 ft. N. of E. fork of dim cross road, in base on W. side of 10-in. oak tree; rail spike	353.62
Lobelia, 4.8 mi. SW. of along dirt rd., to Hog Island, 32 ft. S. of center of rd. at curve, in concrete post; standard tablet stamped "RLB 42 1946 317"	316.322
Reference mark, 63 ft. SE. of tablet, 82 ft. S. of center of rd., at edge of field, in base on N. side of 14-in. pine tree; rail spike	315.76
Lobelia, 4.0 mi. SW. of along rd. to Hog Island, 3.6 mi. SE. of Lakeview, at offset crossroads, 18 ft. S. of E.-W. rd., 40 ft. W. of rd. N., 24 ft. W. of rd. S., 7 ft. W. of signpost, in concrete post; North Carolina Geodetic Survey standard disk stamped "N Δ C 763"	259.637

LINE 18.

FROM JACKSON SPRINGS QUADRANGLE NORTHEAST ALONG ROAD TO POINT 0.6 MILE WEST OF PINEHURST (by W. S. Monk, 1949; Book A V84a)

Pinehurst, 1.4 mi. W. of Norfolk Southern Ry. sta., thence 0.9 mi. S. to junction of Jackson Springs-Pinehurst rd., 10 ft. N. and 20 ft. E. of rd. junction, 110 ft. N. of high tension line, in concrete post projecting 4 in. above ground; standard tablet stamped "WSM 18 536 1949"	535.716
Pinehurst, 1.4 mi. W. of N. S. Ry. sta., 100 ft. S. and 15 ft. W. of intersection of Linden rd. and R.R., in root on SW. side of 12-in. oak tree; copper nail and washer, metal identification tag stamped "536"	536.46
U.S.C. & G.S. standard disk stamped "L 75 1935"	535.626

LINE 19.

FROM JACKSON SPRINGS QUADRANGLE GENERALLY SOUTHEAST ALONG ROAD TO ADDOR (by W. S. Monk, 1949; Book A V84a)

Addor, 1.6 mi. NW. of, 70 ft. S. and 15 ft. W. of intersection of U. S. Highway 1 and Addor rd., on N. end of concrete head wall of culvert; chiseled square, painted "B M 413.8"	414.06
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	<u>Feet</u>
lor, 0.9 mi. NW. of, 60 ft. S. and 45 ft. W. of cross-roads, in root on N. side of 8-in. oak tree; copper nail and washer, painted "B M 373.0"	373.27
Addor, 0.3 mi. NW. of, at wooden bridge over Aberdeen Creek, on NW. concrete abutment; chiseled square, painted "B M 288.9"	289.24
Aberdeen Creek, under bridge; surface of water January 20, 1949	282.7
U.S.C. & G.S. standard disk stamped "295.524 0.10 1918"	295.597

NGVD 29  
Elevations

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

35-079-23  
SOUTHERN PINES QUADRANGLE  
NORTH CAROLINA  
N3500-47915/15  
DIAGRAM NI 17-3  
RALEIGH

Hoke, Moore, Richmond, and Scotland Counties

Final adjustment of 1974

Edition of 3/19/75

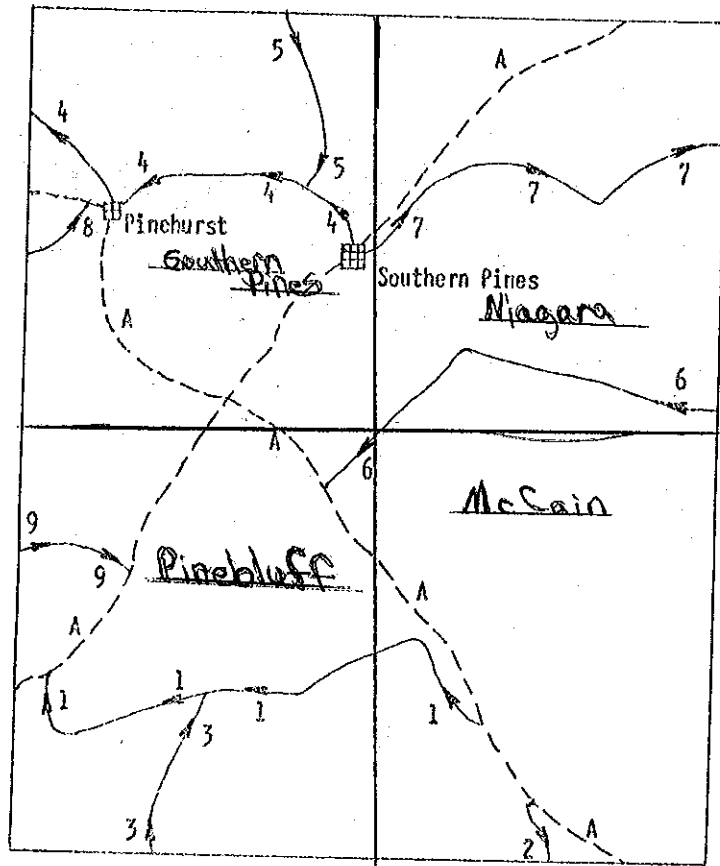
PR: WSM/rmc

NGVD 29  
Elevations

CARTHAGE  
(111)

JACKSON SPRINGS  
(75)

CLIFDALE  
(73)



NGS (USC&GS) VERTICAL CONTROL DATA

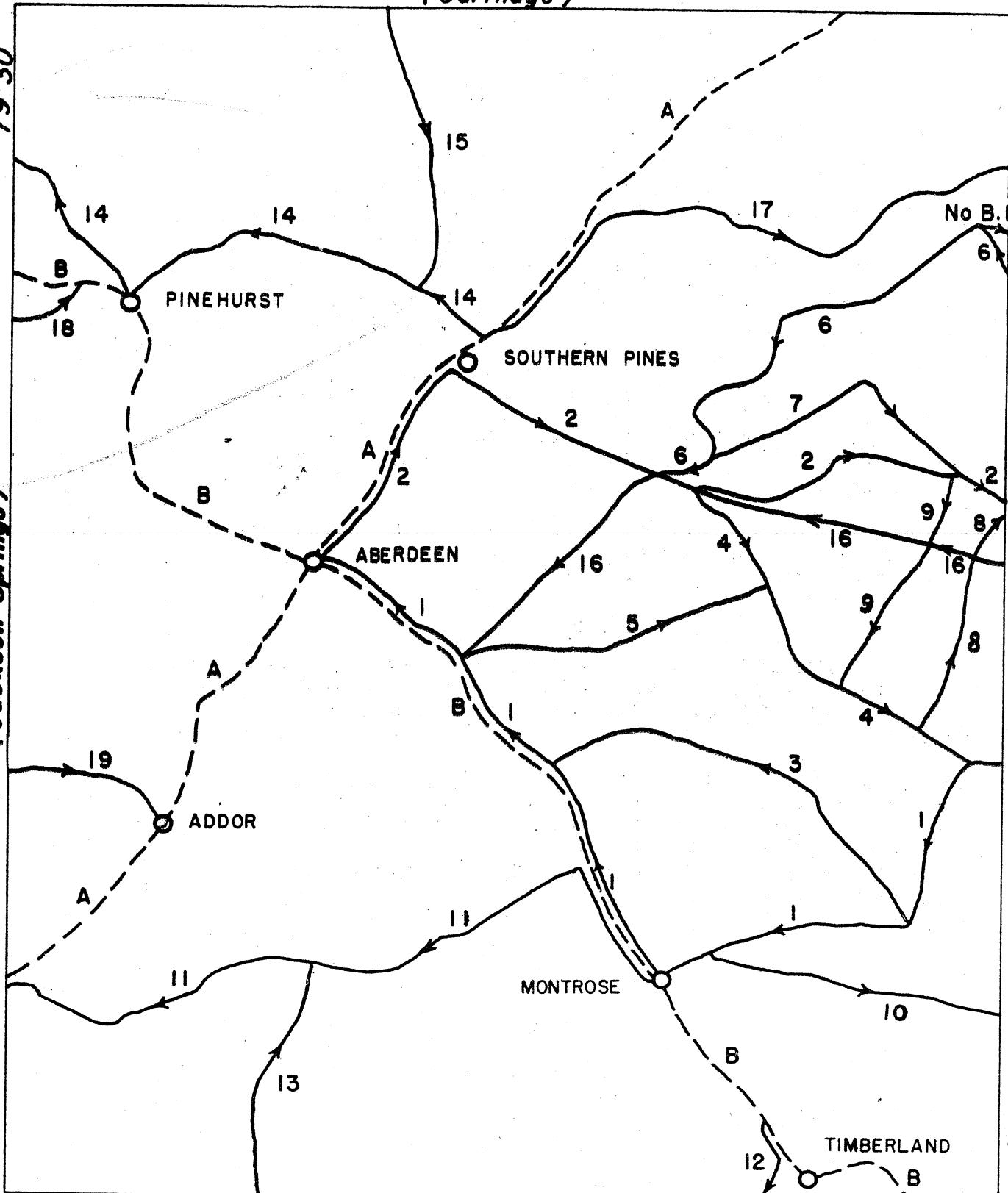
A. Quadrangle 350792

35°15'

(Carthage)

79°30'

(Jackson Springs)



No B.M.'s.

(Argyle)

79°15'

(Laurinburg)

35°00'

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PTS NO 63 B 1918 405	4	RLB 36 1946 418	7
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PTS NO 69 B 1918 249	4	RLB 41 1946 270	8
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TT 11 HEM 1946 392 RECOVERED AS DESCRIBED	7	K 75 1935	6
RLB 30 1946 406	5	L 75 1935	9
RLB 31 1946 358	5		

NGVD 29  
Elevations



	<u>Feet</u>
ISOLATED BENCH MARKS (By R. G. Clinite and H. P. Kilby, 1918; Books B309, B310, B334, B 335 and B336)	
Campbells Crossroads, 2.9 mi W., thence 0.4 mi S. of 1.6 mi N. of Sandy Grove Church, on summit of low ridge, 14 ft E. of rd., in scrub oak timber; on iron post; standard cap stamped "PRIM TRAV STA NO 32 MAC 1918 345"	345.461
Sandy Grove Church, 350 ft S. of, 4.0 mi NE. of Montrose, 35 ft N. and 15 ft E. of intersection of Sandy Grove and Old Plank rds.; on iron post; standard cap stamped "PRIM TRAV STA NO 33 MAC 1918 306"	305.732
Montrose, 2.0 mi NE. of, about 300 ft W. of rd. forks, 25 ft S. of Old Plank rd.; iron post; standard stamped "PRIM TRAV STA NO 34 MAC 1918 347"	346.874
Montrose, near Aberdeen and Rockfish RR. crossing; 18 ft N. of intersection of Old Plank and Lumberton rds., at State Sanatorium property corner; on iron post; standard cap stamped "PRIM TRAV STA NO 35 MAC 1918 482" (Tied by NGS, 1935;) <u>(Reported destroyed, 1948)</u>	482.512
Ashley Heights, 5.1 mi SE. of Aberdeen, 143 ft S. of S. corner of post office, 40 ft SW. of crossing of A. & R. RR. and State Highway 211, in NE. corner of yard of Baptist Church, 30 ft SW. of SW. rail; on iron post; standard cap stamped "PRIM TRAV STA NO 36 MAC 1918 439" (Tied by NGS, 1935) <u>(Reported destroyed, 1948)</u>	437.640
Aberdeen, 2.5 mi SE. of, 0.2 mi W. of Hoke-Moore County line, 270 ft SE. of switch of spur sidetrack; 25 ft NE. of main track; on iron post; standard cap stamped "PRIM TRAV STA NO 37 MAC 1918 458"	457.854
Quentin B. and Quentin C. triangulation station reference mark, 2.1 mi NE. of Aberdeen; 1.7 mi SW. of Southern Pines; 49 ft W. of W. rail, at curve; in concrete; NGS standard reference mark disk stamped "S 10" <u>(Reported destroyed, 1948)</u>	439.625
Southern Pines, 3.3 mi SE. of, along Souther Pines rd.; near Hoke-Moore County line; 20 ft S. of rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 38 MAC 1918 397"	397.184
Southern Pines, 5.4 mi SE. of, about 600 ft NE. of Silver Run Church; at intersection of Morganton rd. and abandoned RR. grade; on embankment on N. side of rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 39 MAC 1918 441"	441.510
Southern Pines, 5.4 mi SE. of, thence 2.1 mi NE.; 2.0 mi NW. of McPherson Mountain; 0.6 mi W. of Yadkin rd.; 800 ft W. of telephone line; 250 ft NE. of RR. grade, on N. side of rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 40 MAC 1918 441"	441.729
Sandy Grove Church, 2.1 mi NW. of, 2.4 mi SE. of Hillview School; 450 ft NE. of crossing of Chicken rd. over Big Rockfish Creek; 25 ft NW. of junction of Chicken rd. and rd. SE.; 6 ft E. of blazed oak tree; on iron post; standard cap stamped "PRIM TRAV STA NO 410 M 1918 248" <u>(Reported not found, 1948)</u>	247.802
Hillview School, 2.8 mi NE. of Ashley Heights; on S. side of Moore County rd.; 65 ft S. of SW. corner of schoolhouse; on iron pest; standard cap stamped "PRIM TRAV STA NO 409 M 1918 394"	394.495

ISOLATED BENCH MARKS (Cont'd)

	<u>Feet</u>
Southern Pines, 5.7 mi SE. of; on SW. side of rd.; 12 ft W. of crossroads; on iron post; standard cap stamped "PRIM TRAV STA NO 63 B 1918 405"	405.582
Southern Pines, 7.8 mi SE. of; 0.2 mi NW. of bridge over Piney Bottom Creek; on W. side of rd.; at dim crossroads; on iron post; standard cap stamped "PRIM TRAV STA NO 62 B 1918 303" <u>(Reported destroyed, 1948)</u>	303.536
Southern Pines, 9.7 mi SE. of, 50 ft N. of rd. forks; at angle in rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 61 B 1918 360"	360.497
Aberdeen, about 5 mi E. of, 1.2 mi N. and 1.5 mi W. of Hillview School; 1.1 mi SW. of crossing of Big Rockfish Creek; on S. side of rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 408 M 1918 453" <u>(Reported not found, 1948)</u>	452.686
McCloud Cemetery, 0.5 mi NW. of; 0.2 mi SW. of dwelling of R. H. Rollins; 0.1 mi NW. of bridge over James Creek; 60 ft N. of rd. junction; on W. side of rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 69 B 1918 249"	248.992
McCloud Cemetery, 3.2 mi SW. of, 5.7 mi NE. of Southern Pines, 0.6 mi NW. of James Creek School; 200 ft W. of rd. forks; 100 ft E. of James Creek Bridge; 40 ft N. of Yadkin rd.; on small knoll; on iron post; standard cap stamped "PRIM TRAV STA NO 72 B 1918 264"	264.239
Southern Pines, 3.7 mi (airline) SE. of, 1.2 mi NE. of crossing of Southern Pines rd. and Hoke-Moore County line; 0.5 mi E. of dwelling of Mrs. Phillips; 50 ft SE. of bridge over James Creek; 10 ft W. of rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 71 B 1918 295" <u>(Reported destroyed, 1948)</u>	295.974
Southern Pines, 6.0 mi (airline) E. of; 0.5 mi SE. of James Creek School; 0.4 mi NE. of dwelling of J. H. Price, about 800 ft SW. of intersection of Manley and Yadkin rds.; 100 ft SW. of rd. forks; on NW. side of rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 67 B 1918 363"	362.680
Southern Pines, 8.3 mi (airline) SE. of, 3.2 mi W. of Battlefield farm; 1.5 mi SW. of McPherson Mountain on ridge near head of Calf Branch, 300 ft S. of crossroads; 5 ft W. of rd.; under power transmission line; on iron post; standard cap stamped "PRIM TRAV STA NO 78 B 1918 394"	394.304
McPherson triangulation sta., about 8.5 mi SE. of Southern Pines; about 10 mi N. of Raeford; 1.1 mi W. of Raeford-Vass rd.; 0.4 mi N. of Morganton rd.; 0.3 mi SW. of Yadkin rd.; on low wooded hill locally known as McPherson Mountain; in top of 18- by 18-in. concrete post set 30 in. in ground; standard tablet stamped "543" <u>(possibly disturbed prior to recovery in 1946)</u>	542.987
Montrose, 3.0 mi E. of, 1.5 mi SW. of Sandy Grove Church; 4.5 mi NW. of Raeford; 10 ft E. of boundary stake 149 and center of N.-S. rd.; on iron post; standard cap stamped "PRIM TRAV STA NO 73 B 1918 280"	280.600

1946

<u>LINE 1.</u>	NGVD 29 Elevations	<u>feet</u>
By R. L. Beitle, 1946; Book V 262		
State Sanatorium, 2.7 mi SE. along A. & R. RR. from station at Ashley Heights; 65 ft E. of entrance to sanatorium; 100 ft SE. of switch of sidetrack; 18 ft SW. of SW. rail; 33 ft SE. of center of rd. crossing; 25 ft NE. of center of State Highway 211, in concrete post 1 in. underground; North Carolina Geodetic Survey standard disk stamped "98" (elevation determined by NGS in 1935) <u>(Reported not found, 1948)</u>		531.958
U.E., Ashmont School, 1.8 mi SE. of Ashley Heights, at main entrance to school building; on N. end of second concrete step; chiseled "L"		495.12
Ashmont School, 1.3 mi SW. of, along dirt rd.; 2.1 mi NE. of Pine Hill Baptist Church; 41 ft S. and 7 ft E. of junction of third-class rd. S., in concrete post; standard tablet stamped "RLB 30 1946 406"		406.018
Reference mark; 400 ft N. of tablet; 24 ft S. of center of rd.; on top of concrete post projecting 18 in. above ground and inscribed "N C S 5"; chiseled square		408.72
Ashmont School, 3.2 mi SW. of, 0.3 mi NE. of Pine Hill Baptist Church; 40 ft S. and 300 ft W. of Y-rd. forks; 163 ft SW. of powerline pole 356; 61 ft NE. of NE. corner of log barn; 6 ft W. of ditch at edge of cultivated field, in concrete post; standard tablet stamped "RLB 31 1946 358"		358.214
Reference mark; 104 ft NW. of tablet; 35 ft S. of center of rd.; 120 ft NE. of NE. corner of house; in root on N. side of 10 in. oak tree; copper nail and washer		356.00
Ashmont School, 4.2 mi SW. of; 29 ft N. and 369 ft W. of center of wooden bridge over Quewhiffle Creek; 29 ft N. and 1 ft E. of center of Y-rd. forks; 47 ft S. of powerline pole; in concrete post flush with ground; North Carolina Geodetic Survey standard disk stamped "N + C 91" <u>(Reported destroyed, 1948)</u>		287.191
Reference mark; 197 ft W. of tablet; 45 ft N. and 185 ft W. of center of forks of rd. N.; in root on E. side of easternmost tree of clump of pine trees; copper nail and washer		295.52
Ashmont School, 5.1 mi SW. of; 5.8 mi S. of Aberdeen; 50 ft S. and 36 ft W. of crossroads; 15 ft SE. of NE. corner of Brown and Moss service station; 1 ft N. of brick pillar supporting overhanging roof, in concrete post; standard tablet stamped "RLB 32 1946 351"		350.724
Reference mark; 386 ft NW. of tablet; 69 ft W. of SW. corner of white frame house; 25 ft N. of center of rd.; in root on NE. side of 30 in. oak tree; copper nail and washer		352.99
U.E., Ashmont School, 7.3 mi SW. of, at Camp Mackall; 0.7 mi SW. of gate 2 and bridge over Drowning Creek; at traffic control station; on S. end of concrete foundation; chiseled square		279.84
Ashmont School, 8.1 mi SW. of, at Camp Mackall; 0.4 mi NE. of wooden bridge over stream; 640 ft NE. of small lake, 14 ft S. and 68 ft E. of center of crossroads; in concrete post; standard tablet stamped "TT 19 FLS 1946 322"		321.680

LINE 1 (Cont'd)

Feet

Reference mark; 143 ft NW. of tablet; 90 ft N. and 50 ft E. of crossroads; 24 ft SE. of SE. corner of storm drain; in root on W. side of 6 in. oak tree; copper nail and washer 315.84

LINE 2.

By R. L. Beitle, 1946; Book V 262

"C 75 1935" (NGS) 384.894

Montrose, 2.7 mi SE. of, along RR., thence 0.7 mi SW. along rd.; 5.5 mi along State Highway 211 NW. of Raeford; 30 ft N. of junction of hwy. and dirt rd. SW.; 8 ft NE. of signpost; in concrete post projecting 4 in. above ground; U.S.C.E. metal disk designated "TI 11 A 95" 381.030

LINE 3.

By R. L. Beitle, 1946; Book V 262

Aberdeen, 8.4 mi S. of along U. S. Highway 15; 0.7 mi S. of bridge over Drowing Creek; 35 ft W. of center of hwy.; 3 ft W. of ditch; on bank 3 ft high at E. edge of cultivated field; in concrete post projecting 6 in. above ground; U.S.C.E. metal disk stamped "TI 93 A 40" 276.748

Reference mark; 481 ft S. of disk; at culvert over stream; on NE. end of concrete headwall; chiseled "U" 270.76

LINE 4.

By R. L. Beitle, 1946; Book V 262

"491.620 FOCH B 1918" (NGS) 491.689

U.E., Southern Pines, 1.7 mi NW. of, 42 ft N. and 165 ft W. of junction of hwy. and macadam rd. N. to Knollwood airport; near center of grassy triangle; on SE. corner of concrete cover of water main; chiseled square 374.00

Southern Pines, 2.6 mi NW. of, along State Highway 2; 40 ft N. and 41 ft E. of junction of westbound traffic lane of dual hwy. and rd. N. to Knollwood airport; 12 ft E. of telephone pole; at brick pillar of fence; in concrete post; standard tablet stamped "RLB 34 1946 508" 507.509

Reference mark; 121 ft SW. of tablet; 41 ft S. and 3/4 ft E. of junction of eastbound traffic lane of hwy. and rd. S.; in top of 4- by 4-in. concrete right-of-way post; nail 508.26

Pinehurst, 2.3 mi NE. of RR. station; 39 ft S. of centerline of eastbound traffic lane of dual-hwy.; 19 ft E. of powerline pole; 1 ft N. of hedge fence; in concrete post projecting 4 in. above ground; standard tablet stamped "RLB 35 1946 495" 494.486

Reference mark; 17 ft W. of tablet; 3 ft NE. of powerline pole; on top of 4- by 4-in. concrete right-of-way post; chiseled square 495.02

"K 75 1935" (NGS) 510.412

LINE 1 (Cont'd)

Feet

Reference mark; 143 ft NW. of tablet; 90 ft N. and 50 ft E. of crossroads; 24 ft SE. of SE. corner of storm drain; in root on W. side of 6 in. oak tree; copper nail and washer 315.84

LINE 2.

By R. L. Beitle, 1946; Book V 262

"C 75 1935" (HGS) 384.894

Montrose, 2.7 mi SE. of, along RR., thence 0.7 mi SW. along rd.; 5.5 mi along State Highway 211 NW. of Raeford; 30 ft N. of junction of hwy. and dirt rd. SW.; 8 ft NE. of signpost; in concrete post projecting 4 in. above ground; U.S.C.E. metal disk designated "TT 11 A 95" 381.030

LINE 3.

By R. L. Beitle, 1946; Book V 262

Aberdeen, 8.4 mi S. of along U. S. Highway 15; 0.7 mi S. of bridge over Drowing Creek; 35 ft W. of center of hwy.; 3 ft W. of ditch; on bank 3 ft high at E. edge of cultivated field; in concrete post projecting 6 in. above ground; U.S.C.E. metal disk stamped "TT 93 A 40" 276.748

Reference mark; 481 ft S. of disk; at culvert over stream; on NE. end of concrete headwall; chiseled "U" 270.76

LINE 4.

By R. L. Beitle, 1946; Book V 262

"491.620 FUCH B 1918" (HGS) 491.609

U.E., Southern Pines, 1.7 mi NW. of, 42 ft N. and 165 ft W. of junction of hwy. and macadam rd. N. to Knollwood airport; near center of grassy triangle; on SE. corner of concrete cover of water main; chiseled square 374.00

Southern Pines, 2.6 mi NW. of, along State Highway 2; 40 ft NW. and 11 ft ESE of junction of westbound traffic lane of dual hwy. and rd. N. to Knollwood airport; 42 ft E. of telephone-pole; *(MIDLAND ROAD IN E. QUAD)* *(WLL/TFC) 10/13-04* *GOOD - NO GPS (TREE)*

Reference mark; 121 ft SW. of tablet; 41 ft S. and 3/4 ft E. of junction of eastbound traffic lane of hwy. and rd. S.; in top of 4- by 4-in. concrete right-of-way post; nail *USGS B/M 507.509* *DISK RECESSED 3'* *ABOUT 1' LOWER THAN* *NC-2* 508.26

Pinchurst, 2.3 mi NE. of RR. station; 39 ft S. of centerline of eastbound traffic lane of dual-hwy.; 19 ft E. of powerline pole; 1 ft N. of hedge fence; in concrete post projecting 4 in. above ground; standard tablet stamped "RLB 35 1946 495" *N/F* *10/13/2004* *WLL* 494.486

Reference mark; 17 ft W. of tablet; 3 ft NE. of powerline pole; on top of 4- by 4-in. concrete right-of-way post; chiseled square 495.02

"K 75 1935" (NGS) 510.412

16.0' SSE OF TEL POLE (PND12) W/ *FOUR* *AND* GUY WIRES & TAG NGVD 29  
22.0' NNW OF TRAFFIC SIGNAL POLE (H 257 W) W/ GUY WIRE & TAG Elevations  
60.9' SSW OF A FIRE HYDRANT

NO LEVELING WITHOUT CUTTING YARD SCRUBS. (NEED PERMISSION)

WSW OF CORNER

LINE 4 (Cont'd)Feet

Taylor Town, at NW. edge of village; 240 ft NW. of concrete bridge over Joes Fork; 24 ft S. and 47 ft E. of junction of rd. SE.; 84 ft SE. of S. corner of store, in concrete post; standard tablet stamped "TT 29 FLS 1946 394" (Reported destroyed, 1948) (WLL) OCT. 11-2004 - SITE IMPROVED - AGRBB WITH 1948 REPORT, TFC 393.799

Reference mark; 228 ft S. of tablet; at bridge over Joes Fork; on N. end of W. concrete wheel-guard; chiseled square 391.86

LINE 5.

By R. L. Beitle, 1946; Book V 262

Southern Pines, 1.7 mi NW. of, along State Highway 2, thence 4.2 mi NW. along macadam rd.; 1.1 mi N. of Knollwood airport; 51 ft NE. of junction of rd. E.; 3 ft S. and 3 ft E. of signpost marked "Deatons Nursery 3 Miles," in concrete post 1 in. underground; standard tablet stamped "TT 11 HEM 1946 392" (Reported not found, 1974) RECOVERED AS DESCRIBED 3/88 392.287

Reference mark; 356 ft W. of tablet; 76 ft NW. and 50 ft SW. of junction of lane E.; 21 ft NE. of NE. corner of tobacco barn; in base on NW. side of center one of three 20 in. pine tree; rail spike 386.26

Southern Pines, 1.7 mi NW. of, along State Highway 2, thence 2.1 mi N. along macadam rd.; 1.1 mi SE. of Knollwood airport; 51 ft E. of center of rd.; on top of hill; 23 ft E. of E. edge of 6 ft cut, in concrete post; standard tablet stamped "RLB 36 1946 418" 418.074

Reference mark; 93 ft S. of tablet; 38 ft E. of center of rd.; in base on NW. side of 12 in. pine tree; rail spike 413.35

LINE 6.

By R. L. Beitle, 1946; Book V 262

Southern Pines, 7.5 mi SE. of, along Southern Pines and Morganton rds.; 4.3 mi SE. of Hoke-Moore County line; 48 ft SW. of center of Morganton rd.; 43 ft SE. of 12 in. pine tree; in concrete post; standard tablet stamped "TT 23 FLS 1946 355" 355.191

Reference mark; 44 ft NW. of tablet; 34 ft SW. of center of rd.; at W. end of shallow cut; in root on SW. side of 20 in. pine tree; copper nail and washer 353.91

Southern Pines, 5.4 mi SE. of, along Southern Pines and Morganton rds.; 2.2 mi SE. of Hoke-Moore County line; 0.2 mi E. of intersection of abandoned RR. grade; 38 ft N. of center of Morganton rd.; in concrete post; standard tablet stamped "TT 22 FLS 1946 447" 446.510

Reference mark; 177 ft SE. of tablet; 61 ft S. of rd.; in base on N. side of 12 in. pine tree; rail spike 442.66

Southern Pines, 3.2 mi SE. of, along Southern Pines rd.; 14 ft S. and 36 ft W. of intersection of unimproved rd. SW. along W. boundary of Fort Bragg Military Reservation; 11 ft SW. of signpost marking Hoke-Moore County line; in concrete post; standard tablet stamped "TT 21 FLS 1946 390" 390.357

LINE 6 (Cont'd)

	<u>Feet</u>
Reference mark; 105 ft SE. of tablet; 76 ft SE. and 58 ft SW. of crossroads; in base on NW side of 8 in. pine tree; rail spike	391.30
U.E., Southern Pines, 3.2 mi SE. of, along Southern Pines rd., thence 1.2 mi SW. along rd. along reservation boundary; at top of hill; 17 ft NW. of center of rd.; in concrete post marking reservation boundary; top of iron rod	391.04
Southern Pines, 3.2 mi SE. of, along Southern Pines rd., thence 2.2 mi SW. along Hoke-Moore County line and reservation boundary rd.; 1.5 mi NE. of State Highway 211, 220 ft NE. of woods rd. SE.; 18 ft NW. of center of rd.; in concrete post; standard tablet stamped "TT 20 FLS 1946 432"	432.492
Reference mark; 9 ft SW. of tablet; 16 ft NW. of center of rd.; 213 ft NE. of woods rd. SE.; on top of knoll; in concrete post marking reservation boundary; top of iron rod	434.13
U.E., Southern Pines, 3.2 mi SE. of, along Southern Pines rd., thence 3.1 mi SW. along Hoke-Moore County line and reservation boundary rd.; 0.5 mi NE. of State Highway 211; 70 ft SW. and 16 ft NW. of forks of rd. E. along SW. boundary of reservation; on N. side of county line rd.; in concrete post marking reservation boundary; top of iron rod	511.227
<u>LINE 7.</u>	
By R. L. Beitle, 1946; Book V 262	
"491.620 FOCH B 1918" (NGS) (Also in line 4)	491.689
Southern Pines, 1.0 mi NE. of, 0.4 mi SW. of rd. crossing at Manly; on top of bank at cut; 30 ft W. of W. rail; in concrete post; NGS standard reference mark disk for triangulation station "FOCH D 1918" ( <u>Reported not found, 1948</u> )	469.760
Southern Pines, 2.7 mi NE. of, 0.5 mi SW. of Niagara; 225 ft E. of Seaboard Air Line RR. track; 70 ft SE. of center of hwy.; 52 ft E. of brick casing of well; on N. side of pecan grove; in concrete post; NGS standard azimuth mark disk for triangulation station "FOCH E 1918"	410.208
"NIAGARA A 1918 402.611" (NGS)	402.680
Manly, 2.8 mi NE. of, along U. S. Highway 1, thence 0.4 mi SE. along dirt rd. to Hog Island; 142 ft SW. of SW. corner of shingled cottage; 73 ft SW. of N. apex of triangle at junction of rd. and lane to house; 60 ft NE. of center of rd.; 8 ft SW. of 14 in. pine tree; on property of E. C. Patterson, in concrete post; standard tablet stamped "RLB 40 1946 431"	430.667
Reference mark; 8 ft N. of tablet; near center of grassy triangle formed by junction of rd. and lane; in base on S. side of 14 in. pine tree; rail spike	431.23
Manly, 2.8 mi NE. of, along hwy., thence 2.5 mi SE. along dirt rd. to Hog Island; 32 ft S. and 42 ft E. of Y-rd. junction on prolongation of tangent N. at curve, in concrete post; standard tablet stamped "RLB 41 1946 270"	269.695

LINE 7 (Cont'd)Feet

Reference mark; 27 ft SE. of tablet; 60 ft S. and 62 ft E. of Y-rd. junction; at edge of woods; in base on W. side of 10 in. oak tree; rail spike	268.74
Lobelia, 4.8 mi SW. of, along dirt rd. to Hog Island; 32 ft S. of center of rd. at curve; in concrete post; standard tablet stamped "RLB 42 1946 317"	316.322
Reference mark; 63 ft SE. of tablet; 82 ft S. of center of rd.; at edge of field, in base on N. side of 14 in. pine tree; rail spike	315.76
Lobelia, 4.0 mi SW. of, along rd. to Hog Island; 3.6 mi SE. of Lakewview; at offset crossroads; 18 ft S. of E.-W. rd.; 40 ft W. of rd. N.; 24 ft W. of rd. S.; 7 ft W. of signpost; in concrete post; North Carolina Geodetic Survey standard disk stamped "N Δ C 763"	259.637

LINE 8.

By W. S. Monk, 1949; Book AV 84

Pinehurst, 1.4 mi W. of Norfolk Southern Ry. station, thence 0.9 mi S. to junction of Jackson Springs-Pinehurst rd.; 10 ft N. and 20 ft E. of rd. junction; 110 ft N. of high tension line; in concrete post projecting 4 in. above ground; standard tablet stamped "WSM 18 1949 536"	535.716
"L 75 1935" (NGS)	535.626

LINE 9.

By W. S. Monk, 1949; Book AV 84

U.E., Addor, 1.6 mi NW. of, 70 ft S. and 15 ft W. of intersection of U. S. Highway 1 and Addor rd.; on N. end of concrete headwall of culvert; chiseled square	414.06
U.E., Addor, 0.3 mi NW. of, at wooden bridge over Aberdeen Creek; on NW. concrete abutment; chiseled square	289.24
"295.524 0 10 1918" (NGS) (Destroyed, 1948)	295.597

NGVD 29  
Elevations