

TENNESSEE VALLEY AUTHORITY
WATER CONTROL PLANNING DEPARTMENT
MAPS AND SURVEYS DIVISION

SURVEY CONTROL DATA

FINES CREEK, NORTH CAROLINA
QUADRANGLE 183

BULLETIN TVA-MS-183-C

CHATTANOOGA, TENNESSEE
AUGUST 1947

SURVEY CONTROL DATA IN QUADRANGLE 183

GRID POSITION (N. C.): X = 811,798.0; Y = 705,682.9 (T-4)
ELEVATION: 2683 feet (T-5)

132 (USC&GS, 1934; Madison County, N. C.)

Located 18.9 miles south along State Highway 209 from Hot Springs, about 0.7 miles south of the post office at Luck, about 2.2 miles north of Doggett Gap, at the center of a horseshoe curve, about 50 yards south of an abandoned schoolhouse, and 10 feet east of the centerline of the highway. A standard USC&GS bronze tablet set in the top of the south end of the east headwall of a 12-foot concrete box culvert and stamped "A 58 1934".
ELEVATION: 3187.277 feet or 971.484 meters (C-2)

133 (USC&GS, 1935; Madison County, N. C.)

Located 17.5 miles southwest of Marshall, N. C., on State Highway 213, 1000 feet west of Crossrock Church, 100 feet west of bridge, and 20 feet northwest of centerline of highway. A standard USC&GS tablet set in rock outcrop and stamped "A 133 1935".
ELEVATION: 2430.993 feet or 740.968 meters (T-2)

144 (USC&GS, 1935; Haywood County, N. C.)

Located 0.1 mile north from Lake Junaluska Post Office, on Lake Shore Drive, on southeast end of dam at Lake Junaluska, in line with south end of wooden bridge. A standard disk set in top of dam wall near right corner in dam wall and stamped "A 144 1935".
Reference Mark 1: 20 feet East to centerline of end of bridge.
Reference Mark 2: 1 foot Southwest to northeast corner of dock.
ELEVATION: 2565.356 feet or 781.922 meters (T-2)

259 A (USGS, 1896; Buncombe County, N. C.)

Located at Coburn, east of branch flowing into Hominy Creek, just south of switch, on north edge of highway. A copper bolt in rock, stamped "2259 A".
ELEVATION: 2257.82 feet (G-3)

2452 A (USGS, 1896; Haywood County, N. C.)

Located 1 mile west of post office at Crabtree, 8 feet west of center of road and 10 feet northeast of north bank of Pigeon River, and 300 feet west of mouth of Crabtree Creek. An iron post stamped "2452 A".
ELEVATION: 2451.23 feet (G-3)

2587 A (USGS, 1896; Haywood County, N. C.)

Located at Canton on the Southern Railway, at the east end of the bridge over Pigeon River, 25 feet east of the highway, and 30 feet south of the railroad. A standard USGS cap, stamped "2587 A" and riveted on the top of a 3-1/2-inch iron pipe.
NOTE: It was reported in October 1932 that this mark has evidently been disturbed since it was originally established.
ELEVATION: 2589.529 feet or 789.290 meters (C-2)

2595 A (USGS, 1896; Haywood County, N. C.)

Located 500 feet east of post office at Tuscola, 10 feet south of highway, and 25 feet east of a building. An iron post stamped "2595 A".
ELEVATION: 2594.13 feet (G-3)

2610 A (USGS, 1896; Haywood County, N. C.)

Located 2.8 miles east of Crabtree, 525 feet east of road fork at brick church, and in boulder 10 feet north of center of road. An aluminum bolt stamped "2610 A".
ELEVATION: 2609.34 feet (G-3)

AKW 5 (TVA, 1939; Haywood County, N. C.)

Located about 9.6 miles north of Waynesville. To reach from Waynesville Post Office, drive north on U. S. Highways 19 and 23 about 4 miles to Lake Junaluska, 500 feet beyond Southern Railroad Bridge over highway, turn left on N. C. State Highway 209 and go 6.5 miles to Crabtree, turn left on gravel road and continue 2.3 miles to Ferguson Bridge. Keep to the right and continue 2.1 miles to top of ridge where house on right faces west. Turn left and go through gate in front of house for 1000 feet on trail to point of woods on nose at bare ridge, turn northwest and follow trail to highest point about 1000 feet. Follow fence line west 400 feet. Station is 8 feet south of fence, north end of rock outcrop, and 64 feet S 83° E of lone twin locust tree in field. A 1- by 1-inch angle iron stamped "TVA AKW 5".
Reference Mark 1: 64.13 feet S 82° E to 10-inch twin locust.
GRID POSITION (N. C.): X = 814,644.8; Y = 707,615.9 (T-4)
ELEVATION: 2944 feet (T-5)

AKW 6 (TVA, 1939; Haywood County, N. C.)

Located about 14.5 miles north of Waynesville. To reach from Waynesville Post Office, drive north on U. S. Highways 19 and 23 for 4 miles to Lake Junaluska, 500 feet beyond Southern Railroad Bridge, turn left on N. C. State Highway 209, continue 13.0 miles to junction of N. C. State Highways 289 and 209, turn left on N. C. State Highway 289 and go 0.7 mile to junction of N. C. Highways 289 and 292, turn left on N. C. Highway 289 and go 2.8 miles to home of Fred Safford. Turn right on dirt road and go 0.8 mile to end of road in apple orchard. Follow good trail north to gap on top of bare mountain, turn right and follow fence line and continue to top of ridge 1000 feet from trail to gap. Station is on top of ridge, 75 feet from large rock outcrop. A 1- by 1-inch angle iron stamped "TVA AKW 6", projecting 8 feet out of top of ridge.
Reference Mark 1: 74.9 feet N 80° E to highest point on projecting rock.
Reference Mark 2: 56.6 feet S 56° E to triangle in 20-inch oak.
Reference Mark 3: 23.3 feet N 70° W to tack in stump.
GRID POSITION (N. C.): X = 815,072.6; Y = 733,720.2 (T-4)
ELEVATION: 3906 feet (T-5)

AKW 11 (TVA, 1939; Haywood County, N. C.)

Located about 8.5 miles due north of Waynesville. To reach from Waynesville Depot, drive north on N. C. State Highway 284 for 11.5 miles to Cove Creek, N. C. Turn right on N. C. State Highway 289 and 290, 300 feet, turn right and cross Jonathan Creek Bridge and continue 2.8 miles to reversed Y-intersection, turn left and continue 1.3 miles on dirt road to Yarbough Cemetery on right side of road. Leave road and go through cemetery and along top of ridge 500 feet to fence line intersection. Station is on northwest corner of intersection. A 1- by 1-inch angle iron stamped "TVA AKW 11", extending 0.4 foot above ground.
Reference Mark 1: 8.40 feet N 35° E to triangle on 3-inch locust.
Reference Mark 2: 39.1 feet S 25° W to triangle on 6-inch hickory on fence line.
Reference Mark 3: 11.96 feet N 38° W to triangle on 5-inch white oak on fence line.
Reference Mark 4: 1.6 feet to corner fence post.

B 58 (USC&GS, 1934; Madison County, N. C.)

Located 17.8 miles south along N. C. State Highway 209 from Hot Springs, about 1.6 miles south of the post office at Luck, about 0.4 mile south of the bridge over Spring Creek, near the foot of the north side of Doggett Mountain, about 27 yards south of an old schoolhouse on the west side of the highway (now used as a dwelling), and about 8 yards east of the centerline of the highway. A standard USC&GS bronze tablet set in top of a concrete post and stamped "B 58 1934".
ELEVATION: 2876.165 feet or 876.657 meters (C-2)

B 133 (USC&GS, 1935; Buncombe County, N. C.)

Located 13.6 miles southwest of Marshall, N. C., at junction of N. C. State Highways 213 and 63, on the property of Bud Davis, 12 feet southwest of N. C. State Highway 63, 50 feet southwest of Davis Branch, 73 feet west of L. M. Davis' store, 200 feet south of bridge over Sandymush Creek, 6 feet southwest of wire fence, 31.2 feet east of cow shed, and in east corner of cow pen. A standard USC&GS tablet set in rock outcrop and stamped "B 133 1935".
Reference Mark 1: 83.0 feet S 50° E to Texaco Gas pump.
Reference Mark 2: 31.2 feet S 78° W to northeast corner of cow shed.
ELEVATION: 2026.085 feet or 617.552 meters (T-2)

B 144 (USC&GS, 1935; Haywood County, N. C.)

Located 1.1 miles north of Lake Junaluska Post Office, 21 feet south of centerline of intersection of Lake Shore Drive and Soule Road, 9 feet east of centerline of small ditch, 39 yards north of northeast corner of tennis court fence, across street from Huntingdon cottage (cottage is of logs). A standard USC&GS disk in concrete monument and stamped "B 144 1935".
Reference Mark 1: 41 feet Northeast to corner of rock wall.
Reference Mark 2: 9.5 feet North to east end of culvert.
Reference Mark 3: 7 feet North to telephone pole.
ELEVATION: 2582.764 feet or 787.228 meters (T-2)

BIG BUTT (USGS, 1934; Haywood-Buncombe Counties, N. C.)

Located about 6 miles, by road, northeast of Canton, on the highest point of Big Butt Mountain. To reach station from Canton Post Office, drive north on Beaverdam Road for 1.7 miles to Y-road, thence right 0.9 mile and drive straight ahead by a T-road left, thence 0.5 mile to Y-road, thence left 0.6 mile to Y-road, thence left 0.5 mile to Y-road, thence right 1.0 mile to residence of J. R. Willis. Leave car here and follow up ridge north to top of ridge, thence right (east) up ridge to highest point and station. Station is about 10 feet southwest of a 3-way fence corner. A standard tablet cemented in rock set in place under a 30-inch oak and stamped "BIG BUTT 1934".
Reference Mark 1: 18.55 feet N 23° E to 1-inch drill hole in rock set in place.
Reference Mark 2: 17.59 feet N 60° E to 1-inch drill hole in rock set in place.
Reference Mark 3: 7.56 feet S 8° E to 1-inch drill hole in rock set in place.

GEODETIC POSITION: Lat. = 35°35'51.287"; Long. = 82°47'57.403" (G-3)
Geodetic Azimuths Distance

To Station	Azimuth	Back Azimuth	Log. Meters	Miles
Sentell	43°12'21.2"	223°07'53.6"	4.229214	10.5
Sandymush	140 23 08.5	320 20 13.7	4.073092	7.4
Spivey	268 22 34.4	88 27 43.2	4.125930	8.3
Plisgah	348 36 14.8	168 37 43.3	4.289044	12.1

GRID POSITION (N. C.): X = 870,818.3; Y = 694,010.7 (G-3)
ELEVATION: 4774 feet (T-5)

BM 2486.62 (USGS, 1896; Haywood County, N. C.)

Located about 1.7 miles (airline) northwest of Crabtree, on bridge over Pigeon River and at the southwest corner of pier at east end. A chiseled cross.
ELEVATION: 2486.89 feet (G-3)

BM 2587.3 (USGS, 1928; Haywood County, N. C.)

Located at Lake Junaluska station, in top of concrete curbing in front of main entrance. A square cut.
ELEVATION: 2587.02 feet (G-3)

C 58 (USC&GS, 1934; Madison County, N. C.)

Located 15.7 miles south along N. C. State Highway 209 from Hot Springs, about 1 mile south of the post office at Trust, about 0.5 mile north of the post office at Luck, about 300 feet south of the driveway to a large farm, inside of a pasture fence, 16 feet west of the centerline of the highway, and about 9 yards south of a rail gate. A standard USC&GS bronze tablet set in top of a concrete post and stamped "C 58 1934".
ELEVATION: 2520.070 feet or 768.119 meters (C-2)

C 144 (USC&GS, 1935; Haywood County, N. C.)

Located 1.8 miles along Lake Shore Drive from Lake Junaluska Post Office, 60 yards west of intersection of Lake Shore Drive and N. C. State Highway 284, on property of Hardy liner, in line with row of maple trees in front yard, 12 feet west of most easterly maple tree (5-inch), 14 feet west of northeast corner of yard, and 21 feet west of centerline of alley and road. A standard USC&GS disk in concrete monument and stamped "C 144 1935".
Reference Mark 1: 29.0 feet North to centerline of N. C. State Highway 284.
Reference Mark 2: 32.5 feet Northeast to power pole.
Reference Mark 3: 11 feet West to 4-inch maple tree.
ELEVATION: 2583.203 feet or 787.362 meters (T-2)

CHAMBERS (USGS, 1934; Haywood County, N. C.)

Located 4.1 miles, by road, north of Clyde Post Office, on the highest point of Chambers Mountain. To reach station from Clyde Post Office, drive north on county road, cross Pigeon River and drive straight by cross-roads on north side of river, thence follow main road a distance of 4.1 miles from post office to top of mountain. Station is located directly under 50-foot lookout tower. A standard tablet stamped "CHAMBERS 1934", cemented in rock set in place under center of tower and equidistant from the four legs of tower.

GEODETIC POSITION: Lat.= 35°34'06.045"; Long.= 82°54'25.406" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Sentell	11°18'56.8"	191°18'14.8"	3.968519	5.8
True Love	78 51 05.0	258 48 08.7	3.891074	4.8
Bent Knee	121 34 09.8	301 29 33.1	4.147210	8.7
Sandy Mush	190 09 01.8	10 09 53.1	4.098731	7.8
Big Butt	251 36 04.9	71 39 50.7	4.012550	6.4

GRID POSITION (N. C.): X = 838,383.1; Y = 684,622.3 (G-3)
ELEVATION: 4509 feet (T-5)

Reference Mark 1: 72.0 feet N 52° E to 10-inch hickory.
Reference Mark 2: 52.5 feet S 13° W to 12-inch locust.
Reference Mark 3: 26.5 feet N 85° W to 18-inch stump.
GRID POSITION (N. C.): X = 843,551.6; Y = 661,601.6 (T-4)
ELEVATION: 3703 feet (T-5)

D 132 RESET (USC&GS, 1938; Buncombe County, N. C.)
Located 7.7 miles southwest of Leicester, on Newfound Road, on property of C. D. West, 100 feet north of high tension power line, 35.5 feet north of centerline of road at sharp curve, measured 103 feet west of house and 80 feet north of barn, 38.0 feet northwest of north end of stone culvert over small stream. Original marker was USC&GS tablet set in concrete post and stamped "D 132 1935". In 1938 post was found torn out and tablet was reset in rock outcrop and stamped "D 132 1935 RESET 1938".
Reference Mark 1: 15.5 feet North to 6-inch walnut tree.
Reference Mark 2: 42.5 feet Northwest to 10-inch oak tree.
Reference Mark 3: 58.0 feet East to telephone pole.
ELEVATION: 2522.315 feet or 768.803 meters (T-2)

CHS 12 (TVA, 1940; Haywood County, N. C.)
To reach from post office at Waynesville, drive south on U. S. Highway 19 for one block, turn left on N. C. State Highway 204, go 1.9 miles to cross-roads, turn left on gravel road and go 1.4 miles to Y-road intersection; turn right and go 2.3 miles to low gap in mountain; Leave car and walk left along top of ridge 150 feet. Angle iron is 30 feet west from centerline of cleared ridge. A 1- by 1-inch angle iron.
Reference Mark 1: 65.7 feet N 35° W to 14-inch locust.
Reference Mark 2: 42.75 feet S 29° E to 16-inch locust.
Reference Mark 3: 52.4 feet S 54° W to 8-inch oak.
GRID POSITION (N. C.): X = 830,062.9; Y = 663,158.6 (T-4)
ELEVATION: 3018 feet (T-5)

CHS 13 (TVA, 1940; Haywood-Buncombe Counties, N. C.)
Located on top of Chestnut Mountain. To reach from Canton Post Office, take Academy Street south up Dutch Cove Road 3.4 miles to Y-road. Turn left and go 1.4 miles to point locally known as Smathers Camp. Leave car and turn right following old trail as it winds 2000 feet up Chestnut Mountain to top. Angle iron is on cleared top 20.8 feet west from lone apple tree in fence corner. A 1- by 1-inch angle iron set flush with ground.
Reference Mark 1: 8.3 feet N 50° E to guy post.
Reference Mark 2: 16.1 feet S 75° E to fence post.
Reference Mark 3: 24.0 feet S 58° E to fence post.
GRID POSITION (N. C.): X = 875,408.9; Y = 667,596.4 (T-4)
ELEVATION: 3668 feet (T-5)

CHS 14 (TVA, 1940; Haywood County, N. C.)
To reach from courthouse at Waynesville, take U. S. Highways 19 and 23 to Asheville for 3.8 miles, turn left on N. C. State Highway 209, follow said highway 5.7 miles to Crabtree School, take gravel road to right up Crabtree Creek and go 5.15 miles to Y-road, turn left at Y-road and go 0.6 mile to home of Mr. Green Jones, turn to right and go 0.3 mile to log shoot. Park car and walk up log shoot to left to low gap in mountain, turn right and follow along ridge to highest point on mountain and station. A 1- by 1-inch angle iron.
Reference Mark 1: 102.5 feet N 24° E to 14-inch locust.
Reference Mark 2: 28.4 feet S 49° E to fence post.
Reference Mark 3: 29.0 feet N 75° W to 4-inch stump.
GRID POSITION (N. C.): X = 850,886.2; Y = 711,933.4 (T-4)
ELEVATION: 4422 feet (T-5)

CHS 15 (TVA, 1940; Haywood County, N. C.)
Located on Horsefork Mountain. To reach from post office at Waynesville, drive northeast on U. S. Highways 19 and 23 for 3.8 miles, turn left on N. C. State Highway 209 and go 5.7 miles to Y-road intersection at Crabtree School, turn right and go 4.7 miles along Crabtree Creek Road (Note: one road turns left, two to the right - do not turn on either but go straight ahead) to Y-road right through woods, turn right and go 0.5 mile to triangular shaped field. Leave car and turn right up hollow due south 2200 feet to high point on Round Bald Mountain, also intersection of high points. A 1- by 1-inch angle iron.
Reference Mark 1: 197.3 feet S 78° E to 10-inch oak.
Reference Mark 2: 97.35 feet S 56° E to 8-inch oak.
Reference Mark 3: 121.45 feet S 29° 30' W to 16-inch poplar.
GRID POSITION (N. C.): X = 854,332.9; Y = 701,840.7 (T-4)
ELEVATION: 4448 feet (T-5)

CHS 16 (TVA, 1940; Haywood County, N. C.)
To reach from post office at Canton, go east on U. S. Highways 19 and 23 for one block to traffic light, turn right and go 0.2 mile, turn left on N. C. State Highway 210 and go 0.45 mile, turn right and go 0.7 mile to Henson Cove Road, turn left on Henson Cove Road and go 1.1 miles to Y-road and station. Station is on east side of circular drive at home of W. L. Ammons. A 1- by 1-inch angle iron.
Reference Mark 1: 4.25 feet S 83° E to 2-inch locust tree.
Reference Mark 2: 27.15 feet N 10° E to fence post.
Reference Mark 3: 36.25 feet N 32° W to fence post.
GRID POSITION (N. C.): X = 857,542.0; Y = 660,600.7 (T-4)
ELEVATION: 2825 feet (T-5)

CHS 17 (TVA, 1940; Haywood County, N. C.)
Located about 1.5 miles north from Canton. To reach from post office at Canton, drive northeast on U. S. Highways 19 and 23 for 0.1 mile to Texaco Filling Station and Studebaker Service, turn left crossing overhead bridge over railroad and go 0.25 mile to 4-way street intersection, turn left on concrete highway around Champion Fiber Paper Mill and go 0.85 mile, turn left at Y-road at two stores, also Canton city limits, and go 0.65 mile to top of hill and T-road east, turn right and go 0.45 mile to Y-road intersection at North Canton Baptist Church. Angle iron is in southeast leg of triangle formed by road intersection. A 1- by 1-inch angle iron, driven flush with gravel on road.
Reference Mark 1: 30.55 feet S 52° W to 6-inch apple.
Reference Mark 2: 40.9 feet N 47° W to twin oak.
Reference Mark 3: 25.9 feet N 70° E to telephone pole.
GRID POSITION (N. C.): X = 856,758.2; Y = 677,867.5 (T-4)
ELEVATION: 2748 feet (T-5)

CHS 18 (TVA, 1940; Haywood County, N. C.)
To reach from post office at Waynesville, drive northeast on U. S. Highways 19 and 23 for 7.0 miles to Clyde to T-road at Texaco Filling Station, turn right through Clyde and go 0.5 mile to Y-road and church, turn left and go 0.2 mile, turn right by black water tank and go 1.0 mile to Y-road intersection, turn left and go 2.1 miles to Stamey Cove Gap. Leave car and walk due south up Anderson Mountain 1500 feet, turn left following trail 700 feet to top of Presley Mountain and station. A 1- by 1-inch angle iron.

DOGGETT (USGS, 1934; Madison County, N. C.)
Located about 4.6 miles south and 7.8 miles west of Marshall, on grassy top known as Doggett Knob and owned by Roy Rogers. To reach from Marshall, drive south on N. C. State Highway 213 for 9.7 miles on main gravel road, turn left 2.3 miles, turn right 8.1 miles to Doggett Gap. Leave car and walk northeast up ridge, across wooded top, thence through grassy field and up to station on highest top. A standard tablet stamped "DOGGETT 1934" and set in rock set in place.
Reference Mark 1: 13.3 feet N 50° E to drill hole in rock set in place.
Reference Mark 2: 13.1 feet S 50° E to drill hole in rock set in place.
Reference Mark 3: 6.6 feet N 85° W to drill hole in rock set in place.

GEODETIC POSITION: Lat.= 35°43'47.291"; Long.= 82°49'29.290" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Sandy Mush	43°17'25.4"	223°15'23.9"	3.882721	4.7
Noland	78 51 48.6	258 45 40.5	4.208340	10.0
Max Patch	122 03 28.2	301 58 50.0	4.119208	8.8

GRID POSITION (N. C.): X = 865,089.8; Y = 742,391.8 (G-3)
ELEVATION: 4544 feet (T-5)

E 132 (USC&GS, 1935; Buncombe County, N. C.)
Located 8.7 miles southwest of Leicester, on Newfound Road right-of-way property, 8 feet southwest of Newfound Road, 100 feet southwest of house owned by L. L. West and occupied by McKay, 500 feet southwest of L. L. West's house, 60 feet northwest of a drain, 200 feet northwest of a shack, and 110 feet west of road leading to West's house. A standard USC&GS tablet set in top of precast concrete post and stamped "E 132 1935".
ELEVATION: 2821.330 feet or 859.943 meters (T-2)

F 132 (USC&GS, 1935; Haywood County, N. C.)
Located 9.7 miles southwest of Leicester, on the property of W. H. Silvers, 11 feet southeast of Hominy Road, 3.8 feet south of fence corner, 80 feet east of Silvers' house, 23.8 feet northeast of a stone garage, and 5 feet southeast of a stone fence. A standard USC&GS tablet set in top of precast concrete post and stamped "F 132 1935".
Reference Mark 1: 23.8 feet S 17° W to northeast corner of garage.
Reference Mark 2: 3.8 feet N 7° E to fence corner.
ELEVATION: 2941.831 feet or 896.672 meters (T-2)

FINES CREEK 2 (USGS, 1934; Haywood-Buncombe Counties, N. C.)
Located 3.5 miles southeast of Canton, on most westerly of two distinct round tops known as Doubletop Mountain. To reach from Canton Post Office, take Academy Street south up Dutch Cove Road 3.4 miles, thence left 1.2 miles, thence right 0.2 mile to house, walk to right around hill following old road to gap, thence right to highest point of second top on west side of cleared field at timber line, 7.0 feet west of fence line. Station mark is a drill hole in center of triangle in top of rock set in place 2.3 feet east from 18-inch triangle blazed white oak tree.
GEODETIC POSITION: Lat.= 35°30'24.810"; Long.= 82°47'06.589" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Chambers	121°42'04.1"	301°37'49.1"	4.113541	8.1
Smathers	203 52 56.0	23 53 10.5	3.193275	1.0
Young Pisgah	296 55 06.8	116 58 09.5	3.949010	5.5

GRID POSITION (N. C.): X = 873,753.1; Y = 660,867.7 (G-3)
ELEVATION: 4448 feet (T-5)

FINES CREEK 3 (USGS, 1934; Madison County, N. C.)
Located about 11 miles north of Canton, 6 miles northwest of Leicester, on a partly wooded top, owned by Mr. Clark. To reach from Asheville Post Office, drive north 11.5 miles to Leicester. Continue ahead 3.2 miles to road fork, drive to right 1.7 miles, turn left and proceed 1.8 miles, turn left and drive 3.5 miles, turn left onto private road and drive 0.9 mile. Leave car here and walk north up path to crest of knoll and station. Station mark is a drill hole in rock set in place under 24-inch triangle blazed oak tree.
GEODETIC POSITION: Lat.= 35°41'37.545"; Long.= 82°48'40.185" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Sandy Mush	76°28'09.9"	256°25'39.8"	3.823066	4.1
Doggett	162 50 58.1	342 50 29.4	3.621687	2.6
High Knob	272 43 05.8	92 45 10.3	3.731562	3.3

GRID POSITION (N. C.): X = 868,631.7; Y = 729,127.9 (G-3)

FINES CREEK 4 (USGS, 1934; Madison County, N. C.)
Located about 2 miles by road south of Luck Post Office, on a low sharp top about 0.5 mile east of highway. To reach from Luck Post Office, drive south 2 miles and leave car, take old wagon road left up hollow past residence of W. C. Webb, to highest point of first knob. Station is on the property of Jesse Noland. Station mark is a drill hole in rock set in place near 8-inch triangle blazed locust tree (northeast).
GEODETIC POSITION: Lat.= 35°43'08.576"; Long.= 82°52'12.894" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Sandy Mush	44°23'36.4"	194°23'10.4"	3.653793	2.8

GAGE BM 1 (USGS, 1928; Haywood County, N. C.)

Located on left bank of Pigeon River at mile 64.0, at Canton, 0.3 mile upstream from U. S. Highways 19 and 23 bridge across Pigeon River, 75 feet upstream from gage and near road, and 18.96 feet above gage zero. A 40-penny nail in base of 16-inch oak.

ELEVATION: 2591.18 feet (G & T, 3)

GAGE BM 2 (USGS, 1927; Haywood County, N. C.)

Located on left bank of Pigeon River at mile 45.1, 1/4 mile downstream from county foot bridge, about 2 miles south of Hepco, adjacent to N. C. State Highway 289, 8 feet upstream from gaging cableway, and 8.59 feet above gage zero. Head of 3/8-inch bolt in base of twin oak tree.

ELEVATION: 2344.55 feet (T-3)

Gage BM 3 (USGS, 1928; Canton, Haywood County, N. C.)

Located on left bank of Pigeon River at mile 64.0, at Canton, 0.3 mile upstream from U. S. Highway 19 and 23 bridge across Pigeon River, about 10 feet downstream from gage, 10 feet from water's edge, and 8.47 feet above gage zero. A 40-penny nail in notch in base of 14-inch oak.

ELEVATION: 2580.69 feet (G & T, 3)

GAGE BM 3 (USGS, 1927; Hepco, Haywood County, N. C.)

Located on left bank of Pigeon River at mile 45.1, 1/4 mile downstream from county foot bridge, about 2 miles south of Hepco, adjacent to N. C. State Highway 289, and 10 feet downstream from gage shelter. A standard USGS reference tablet set in sewer pipe in concrete.

ELEVATION: 2348.36 feet (T-3)

H 127 (USC&GS, 1935; Buncombe County, N. C.)

Located at Canton, 14.3 miles southwest of Marshall, on the property of H. C. Randel, 7 feet southeast of N. C. State Highway 213, 8 feet northeast of Randel's store, 25 feet northwest of H. C. Randel's house, 2 feet north of concrete walk, 50 feet southeast of Sandymush Creek, and 145 feet east of bridge over Sandymush Creek. A standard USC&GS tablet set in top of precast concrete post and stamped "H 127 1935".

Reference Mark 1: 8.0 feet S 35° W to northeast corner of store.

Reference Mark 2: 47.1 feet S 85° E to northeast corner of Randel's house.

ELEVATION: 2036.646 feet or 620.771 meters (T-2)

H 132 (USC&GS, 1935; Haywood County, N. C.)

Located 11.7 miles southwest of Leicester, on property of Hominy Grove Church, 15 feet west of Hominy Road, 4 feet west of stone wall, in southeast corner of church yard, 48.8 feet east of Hominy Grove Church, 150 feet southwest of J. F. Mann's store, 80 feet west of a sawmill, and 75 feet south of a branch. A standard USC&GS tablet set in top of precast concrete post and stamped "H 132 1935".

Reference Mark 1: 17.1 feet S 9° E to 28-inch oak tree.

Reference Mark 2: 48.8 feet S 83° W to southeast corner of church.

ELEVATION: 2669.302 feet or 813.605 meters (T-2)

HIGH KNOB (USGS, 1934; Buncombe County, N. C.)

Located about 4 miles northwest of Leicester, 8 miles southwest of Marshall, on prominent wooded peak known as High Knob, and owned by Hubert Merrell. To reach from Asheville Post Office, drive north on Highway 63 to Leicester, continue on Highway 63 for 4.6 miles to filling station at road fork, take left fork and proceed 0.7 mile, turn right onto private road and proceed 0.2 mile to farmhouse. Leave car and walk northwest up ridge about 1 mile to station. Station mark is a standard tablet stamped "HIGH KNOB 1934" and set in rock set in place.

Reference Mark 1: 45.6 feet N 20° E to drill hole in rock outcrop.

Reference Mark 2: 44.3 feet N 75° E to drill hole in rock outcrop.

Reference Mark 3: 80.1 feet S 30° E to drill hole in rock outcrop.

Report on Condition (TVA, January 1940): Set stone and cap removed and carried away. Hub was set in stone hole by three references.

GEODETIC POSITION: Lat. = 35°41'29.199"; Long. = 82°45'06.067" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Sandymush	83°46'12.0"	263°41'37.0"	4.076417	7.4
Zillicoa	262 14 11.2	82 18 17.5	4.029793	6.6
Spivey	317 59 06.4	138 02 35.8	4.130802	8.4

GRID POSITION (N. C.): X = 886,247.5; Y = 727,612.1 (G-3)

ELEVATION: 3098 feet (T-5)

J 127 (USC&GS, 1935; Madison County, N. C.)

Located 15.3 miles southwest of Marshall, on N. C. State Highway 213 right-of-way property, 10 feet northeast of N. C. State Highway 213, 31.7 feet north of bridge over Little Sandymush Creek, 3 feet southwest of wire fence, 27 feet southeast of fence corner, and 500 feet east of bridge over Morrow Branch. A standard USC&GS tablet set in top of precast concrete post and stamped "J 127 1935".

Reference Mark 1: 31.7 feet S 3° W to northwest corner of bridge.

Reference Mark 2: 27.0 feet N 29° W to fence corner.

ELEVATION: 2126.374 feet or 648.120 meters (T-2)

J 132 (USC&GS, 1935; Haywood County, N. C.)

Located 13 miles southwest of Leicester, 1.5 miles northeast of Canton, on property of Frank Cogburn, 12 feet northwest of Hominy Road, 40.1 feet east of Cogburn's house, in southwest corner of flower garden, 6 feet northeast of a 5-inch pine tree, and 90 feet west of intersection of Hominy Road and Y-road east. A standard USC&GS tablet set in top of precast concrete post and stamped "J 132 1935".

Reference Mark 1: 38.3 feet S 8° E to telephone pole.

Reference Mark 2: 40.1 feet S 85° W to southeast corner of Cogburn's house.

ELEVATION: 2783.144 feet or 848.304 meters (T-2)

K 127 (USC&GS, 1935; Madison County, N. C.)

Located 16.3 miles southwest of Marshall, on the property of H. E. Barret, 10 feet northwest of N. C. State Highway 213, 4 feet northwest of wire fence, 10 feet southwest of a branch, 7 feet northwest of highway bridge over branch, 400 feet south of H. E. Barret's house, 100 feet southwest of a T-road north from Highway 213, and 125 feet east of a large sage field. A standard USC&GS tablet set in top of precast concrete post and stamped "K 127 1935".

Reference Mark 1: 7.0 feet S 70° E to northwest corner of bridge.

Reference Mark 2: 25.7 feet S 32° E to southwest corner of bridge.

ELEVATION: 2206.570 feet or 672.564 meters (T-2)

K 132 (USC&GS, 1935; Haywood County, N. C.)

Located 0.5 mile east from Champion Fiber Company office building, on the property of Mrs. J. W. Cox, 38 feet south of intersection of North Main Street and Third Street, in northwest corner of Mrs. J. W. Cox's yard, 1 foot southeast of concrete sidewalk, and 21 feet north of Mrs. Cox's house. A standard USC&GS tablet set in top of precast concrete post and stamped "K 132 1935".

Reference Mark 1: 21.0 feet S 10° E to northwest corner of Mrs. Cox's house.

Reference Mark 2: 47.1 feet N 25° E to telephone pole L 163.

ELEVATION: 2699.424 feet or 822.786 meters (T-2)

L 38 (USC&GS, 1932; Haywood County, N. C.)

Located about 0.9 mile southwest along the Southern Railway from Lake Junaluska, about 0.3 mile southwest of milepost 25, about 50 yards northeast of bridge T 25.3, 40.5 feet southeast of the southeast rail, at an 18-inch pipe culvert under U. S. Highway 23, and in the top of the southwest end of the northwest headwall. A standard disk, stamped "L 38 1932".

ELEVATION: 2587.393 feet or 788.639 meters (G-2)

L 132 (USC&GS, 1935; Haywood County, N. C.)

Located at Canton, on property of Champion Fiber Company, 140 feet west of Main Street, 10 feet south of the south rail of spur line of railroad to Champion Fiber Company, 40 yards southwest of flagpole, 300 feet west of steel bridge over railroad, and 5.8 feet south of the northeast corner of Champion Fiber Company finishing building, surrounded by shrubby plot. A standard USC&GS tablet set 3 feet above ground, stamped "L 132 1935" and set vertically.

Reference Mark 1: 5.8 feet N 85° W to northeast corner of Champion Fiber Company finishing building.

Reference Mark 2: 16.9 feet N 65° E to stone post at northeast corner of shrubby plot.

ELEVATION: 2596.675 feet or 791.468 meters (G-2)

LHT 833 (TVA, 1938; Haywood-Madison Counties, N. C.)

Located 33.8 miles southeast of Newport, Tennessee, at Maple Spring Gap, on N. C. State Highway 292 right-of-way property, 13 feet northwest of N. C. State Highway 292, 1 foot southeast of a wire fence, 140 feet southwest of new Salvation Army Building, 42 feet southeast of telephone line, and 16 feet northeast of a foot path. A standard TVA tablet set in top of concrete post and stamped "LHT 833 1938".

Reference Mark 1: 41.7 feet N 20° W to telephone pole.

Reference Mark 2: 42.0 feet N 41° E to 3-inch locust tree.

ELEVATION: 4050.182 feet or 1234.498 meters (T-2)

LHT 834 (TVA, 1938; Haywood County, N. C.)

Located 34.8 miles southeast of Newport, Tennessee, 17.3 miles northeast of Cove Creek, North Carolina, on N. C. State Highway 292 right-of-way property, 20 feet southwest of N. C. State Highway 292, at a bend in highway, 39.1 feet southeast of Madison County line post, 3 feet southeast of an old road, 3.3 feet east of south gate post and fence corner, and 1 foot north of wire fence. A standard TVA tablet set in top of concrete post and stamped "LHT 834 1938".

Reference Mark 1: 3.3 feet S 62° W to fence corner.

Reference Mark 2: 39.1 feet N 12° W to county line post.

ELEVATION: 3948.486 feet or 1203.501 meters (T-2)

LHT 835 (TVA, 1938; Haywood County, N. C.)

Located 35.7 miles southeast of Newport, Tennessee, 16.3 miles northeast of Cove Creek, North Carolina, on property of U. H. Ferguson, 18 feet east of N. C. State Highway 292, 15 feet north of northeast fork of Fines Creek, 25 feet north of an old road, 40 feet northeast of highway bridge over Fines Creek, 80 feet south of a log house, 6 feet south of old road to log house, 65 feet northeast of intersection of north fork and northeast fork of Fines Creek. A standard TVA tablet set in top of concrete post and stamped "LHT 835 1938".

Reference Mark 1: 36.9 feet S 23° W to northeast corner of bridge.

Reference Mark 2: 32.8 feet N 42° E to 10-inch buckeye tree.

ELEVATION: 3500.502 feet or 1066.955 meters (T-2)

LHT 836 (TVA, 1938; Haywood County, N. C.)

Located 36.5 miles southeast of Newport, 15.5 miles northeast of Cove Creek, on property of E. M. Trantham, 17 feet southwest of N. C. State Highway 292, 35 feet east of Fines Creek, 18.5 feet east of garden, 44.7 feet southeast of highway bridge over Fines Creek, 150 feet southeast of E. M. Trantham's house, 6 feet north of a chicken house, and 5 feet below level of road. A standard TVA tablet set in top of concrete post and stamped "LHT 836 1938".

Reference Mark 1: 18.5 feet N 80° W to northeast corner of garden.

Reference Mark 2: 44.7 feet N 25° W to southeast corner of bridge.

ELEVATION: 3210.814 feet or 978.658 meters (T-2)

LHT 837 (TVA, 1938; Haywood County, N. C.)

Located 37.2 miles southeast of Newport, Tennessee, 14.8 miles northeast of Cove Creek, North Carolina, on N. C. State Highway 292 right-of-way property, 15 feet east of N. C. State Highway 292, 60 feet north of intersection of N. C. State Highway 292 and Y-road northeast, 300 feet southwest of Belmont Church, 85 feet northeast of Cleve Noland's store, 125 feet southwest of Harrison Davis' house, 200 feet southwest of Fines Creek, and 18 feet northwest of a group of seven mailboxes. A standard TVA tablet set in top of concrete post and stamped "LHT 837 1938".

Reference Mark 1: 23.4 feet N 33° E to 6-inch sassafras tree.

Reference Mark 2: 15.7 feet S 19° E to highway "Stop" sign.

ELEVATION: 2941.785 feet or 896.658 meters (T-2)

LHT 838 (TVA, 1938; Haywood County, N. C.)

Located 37.8 miles southeast of Newport, Tennessee, 14.2 miles northeast of Cove Creek, North Carolina, on property of Pine Grove Church, 25 feet west of N. C. State Highway 292, 165 feet west of Fines Creek, 11.3 feet northeast of Pine Grove Church, 30 feet southwest of fence corner, 35 feet southeast of a small cemetery, on bank about 12 feet above N. C. State Highway 292, and 600 feet north of old water mill. A standard TVA tablet set in top of concrete post and stamped "LHT 838 1938".

Reference Mark 1: 30.0 feet N 35° E to fence corner.

Reference Mark 2: 11.3 feet S 28° W to northeast corner of church.

ELEVATION: 2811.632 feet or 856.987 meters (T-2)

LHT 839 (TVA, 1938; Haywood County, N. C.)

Located 38.7 miles southeast of Newport, Tennessee, 13.3 miles north-east of Cove Creek, North Carolina, on N. C. State Highway 292 right-of-way property, 16 feet northwest of N. C. State Highway 292, 300 feet northwest of Charlie Noland's house, 1 foot southeast of wire fence, 42.7 feet north-west of a large oval shaped barn, 10 feet northeast of old road, and 15 feet southwest of a branch. A standard TVA tablet set in top of concrete post and stamped "LHT 839 1938".

Reference Mark 1: 42.7 feet S 30° E to northeast corner of barn.

Reference Mark 2: 17.5 feet N 73° W to 10-inch walnut tree.

ELEVATION: 2724.355 feet or 830.385 meters (T-2)

LHT 840 (TVA, 1938; Haywood County, N. C.)

Located 39.6 miles southeast of Newport, Tennessee, 12.4 miles north-east of Cove Creek, North Carolina, on property of B. E. Price, 18 feet south of intersection of N. C. State Highway 292 and Turkey Creek Road, 1.5 feet north of fence corner, 185 feet northwest of intersection of Turkey Creek and Fines Creek, 100 feet west of an old sawmill, and 400 feet west of B. E. Price's house. A standard TVA tablet set in top of concrete post and stamped "LHT 840 1938".

Reference Mark 1: 60.4 feet N 38° E to Turkey Creek Road sign.

Reference Mark 2: 1.5 feet S 7° W to fence corner.

ELEVATION: 2614.135 feet or 796.790 meters (T-2)

LHT 841 (TVA, 1938; Haywood County, N. C.)

Located 40.4 miles southeast of Newport, Tennessee, 11.6 miles north-east of Cove Creek, North Carolina, on property of Z. V. Ferguson, 12 feet southeast of N. C. State Highway 292, 250 feet south of Fines Creek Church, 40 feet south of intersection of N. C. State Highway 292 and Y-road north-east, 1 foot southeast of wire fence, 300 feet northwest of Fines Creek, and 1200 feet northeast of a large oval shaped barn. A standard TVA tablet set in top of concrete post and stamped "LHT 841 1938".

ELEVATION: 2592.219 feet or 790.110 meters (T-2)

LHT 860 (TVA, 1938; Haywood County, N. C.)

Located 3.1 miles northeast of Cove Creek, on N. C. State Highway 289 right-of-way property, 7 feet south of N. C. State Highway 289, 65 feet north of Pigeon River, 140 feet east of highway bridge over Laurel Branch, 300 feet northwest of a log barn (across river), and 4 feet above level of road. A standard TVA tablet set in top of rock outcrop and stamped "LHT 860 1938".

ELEVATION: 2372.085 feet or 723.013 meters (T-2)

LHT 861 (TVA, 1938; Haywood County, N. C.)

Located 4.1 miles northeast of Cove Creek, on N. C. State Highway 289 right-of-way property, 22 feet west of N. C. State Highway 289, at a horseshoe bend in highway, 110 feet south of W. H. Williams' house, 18 feet south of Williams Branch, 8 feet east of a wire fence, 100 feet west of a log barn, and 20.5 feet southwest of wood bridge. A standard TVA tablet set in top of concrete post and stamped "LHT 861 1938".

Reference Mark 1: 25.3 feet N 30° W to twin 10-inch sycamore tree.

Reference Mark 2: 20.5 feet N 34° E to southeast corner of bridge.

ELEVATION: 2584.526 feet or 787.765 meters (T-2)

LHT 862 (TVA, 1938; Haywood County, N. C.)

Located 5.0 miles northeast of Cove Creek, on property of Lawrence Messer, 22 feet west of N. C. State Highway 289, 400 feet west of Pigeon River, 3 feet west of a wire fence, 8 feet north of a drain, 400 feet north-west of a log house, and 20 feet south of northeast corner of sage field. A standard TVA tablet set in top of concrete post and stamped "LHT 862 1938".

ELEVATION: 2589.805 feet or 789.374 meters (T-2)

LHT 863 (TVA, 1938; Haywood County, N. C.)

Located 6.1 miles northeast of Cove Creek, on property of Sam Ledford, 15 feet southeast of N. C. State Highway 289, 110 feet west of Sam Ledford's house, 41.6 feet southeast of a barn, 225 feet southeast of Hepco Church, 4 feet northeast of a wire fence, 75 feet south of intersection of N. C. State Highway 289 and White Oak Road, and 30 feet southwest of southwest corner of stone fence. A standard TVA tablet set in top of concrete post and stamped "LHT 863 1938".

Reference Mark 1: 41.6 feet N 67° W to northeast corner of barn.

Reference Mark 2: 27.2 feet Due East to 40-inch oak tree.

ELEVATION: 2576.983 feet or 785.466 meters (T-2)

LHT 864 (TVA, 1938; Haywood County, N. C.)

Located 7.2 miles northeast of Cove Creek, at Hepco, on property of Charlie Rathbone, 14 feet southeast of N. C. State Highway 289, at a sharp bend in highway, 2 feet west of wire fence corner, 27.3 feet north of a shed, 43.4 feet southeast of Charlie Rathbone's store, 65 feet southeast of Rath-bone's house, 150 feet northeast of Pigeon River, and 225 feet north of steel bridge over Pigeon River. A standard TVA tablet set in top of concrete post and stamped "LHT 864 1938".

Reference Mark 1: 27.3 feet S 7° W to northwest corner of shed.

Reference Mark 2: 43.4 feet N 51° W to southeast corner of store.

ELEVATION: 2298.368 feet or 700.544 meters (T-2)

LHT 865 (TVA, 1938; Haywood County, N. C.)

Located 8.3 miles northeast of Cove Creek, 1.1 miles north of Hepco, on property of Reeves Nolan, 15 feet northwest of N. C. State Highway 289, 40 feet southwest of T-road, northwest to Wilson Creek, 20 feet east of Pine Branch, 2 feet southwest of a barn, 35 feet northwest of centerline inter-section of Pine Branch and State Highway 289. A standard TVA tablet set in top of concrete post and stamped "LHT 865 1938".

Reference Mark 1: 3.1 feet S 88° E to southeast corner of barn.

Reference Mark 2: 36.3 feet S 15° E to painted fence post.

ELEVATION: 2366.629 feet or 721.350 meters (T-2)

LHT 866 (TVA, 1938; Haywood County, N. C.)

Located 8.9 miles northeast of Cove Creek, 1.7 miles north of Hepco, on N. C. State Highway 289, on property of Reeves Nolan, about 150 feet southwest from residence of Reeves Nolan, about 50 feet northwest of center-line of road at sharp curve. A standard TVA tablet set in drill hole in 10-foot boulder and stamped "LHT 866 1938".

Reference Mark 1: 56.0 feet Northeast to southwest corner of stone garage.

Reference Mark 2: 53.5 feet West to southwest corner barn.

Reference Mark 3: 41.3 feet South to centerline of road.

ELEVATION: 2376.449 feet or 724.343 meters (T-2)

LHT 867 (TVA, 1938; Haywood County, N. C.)

Located 9.6 miles northeast of Cove Creek, 2.4 miles northeast of Hepco, on property of Fines Creek Church, 42 feet southwest of N. C. State Highway 289, 100 feet north of Fines Creek, 140 feet south of C. O. Newell's house, 27 feet southwest of a branch, and 10.2 feet northeast of Fines Creek Church. A standard TVA tablet set in top of concrete post and stamped "LHT 867 1938".

Reference Mark 1: 10.2 feet S 5° W to northeast corner of church.

Reference Mark 2: 34.4 feet S 65° W to northwest corner of church.

ELEVATION: 2425.254 feet or 739.219 meters (T-2)

LHT 868 (TVA, 1938; Haywood County, N. C.)

Located 10.1 miles northeast of Cove Creek, on property of Gaither Ferguson, 22 feet north of N. C. State Highway 289, 55 feet north of Fines Creek, 125 feet southeast of house owned by Gaither Ferguson and occupied by Weaver Ledford, 2 feet south of a wire fence, and 4 feet southeast of gate post. A standard TVA tablet set in top of concrete post and stamped "LHT 868 1938".

Reference Mark 1: 40.5 feet Due South to mailbox post.

Reference Mark 2: 49.0 feet Northwest to 14-inch apple tree.

ELEVATION: 2459.500 feet or 749.657 meters (T-2)

LHT 1750 (TVA, 1939; Haywood County, N. C.)

Located 1.2 miles southwest of post office at Canton, 0.6 mile southwest of North Carolina N. G. Armory Building at Canton, on Pigeon River Road southwest out of Canton, on N. C. State Highway Department property, on right bank of Pigeon River, on north abutment downstream side of bridge, 2.4 feet below floor of bridge, 1 foot west of north end of west of guard rail. This is second bridge upstream from Canton School, 0.2 mile due west of sub-station. A standard TVA tablet set horizontally in concrete abutment of bridge and stamped "LHT 1750 1940".

Reference Mark 1: 36.0 feet North to 18-inch Spanish oak tree, downstream side of bridge.

Reference Mark 2: 49.6 feet East to 15-inch locust upstream side of bridge.

ELEVATION: 2596.284 feet or 791.349 meters (T-2)

LHT 1751 (TVA, 1939; Haywood County, N. C.)

Located 2.3 miles southwest of post office at Canton, 1.7 miles southwest of North Carolina N. G. Armory Building at Canton, on Pigeon River Road southwest out of Canton, 4.3 miles northeast of Bethel School, 3.3 miles northeast of Silver Bluff, 1.4 miles downstream from steel bridge over Pigeon River, on left bank of Pigeon River, just downstream from small island, 0.2 mile east of Y-road intersection to west on east side of county road, 26 feet from centerline inside of "Y" of road to island, 45 feet north of west end of old swinging bridge, 100 feet south of T-road intersection to west, 53 feet south of west end of 18-inch culvert just north of deep out of road, 2 feet north of small willow tree. A standard TVA tablet set in concrete monument and stamped "LHT 1751 1940".

Reference Mark 1: 38.0 feet S 25° E to 24-inch black oak tree.

Reference Mark 2: 32.0 feet S 85° E to 8-inch forked dogwood tree.

Reference Mark 3: 26.0 feet N 50° W to centerline of county road.

ELEVATION: 2616.491 feet or 797.508 meters (T-2)

LHT 1752 (TVA, 1939; Haywood County, N. C.)

Located 3.3 miles southwest of post office at Canton, 2.7 miles southwest of North Carolina N. G. Armory Building at Canton, on Pigeon River Road southwest out of Canton, on property of Joe Hargrove, 3.3 miles north-east of Bethel School, 2.3 miles northeast of Silver Bluff, 0.4 mile down-stream from steel bridge across Pigeon River, on left bank of Pigeon River, 58 feet north of centerline of county road, 600 feet southwest of Joe Hargrove's 2-story frame residence, 46.5 feet north of north end of 30-inch metal culvert, 35 feet north of ditch, 77 feet northwest of 24-inch leaning hickory tree on river bank, 8 feet south of small shed, and 11.5 feet south-east of furnace under shed. A standard TVA tablet set in concrete monument and stamped "LHT 1752 1940".

Reference Mark 1: 29.0 feet S 12° E to 30-inch white walnut tree.

Reference Mark 2: 3.0 feet N 70° W to 18-inch apple tree.

Reference Mark 3: 78.0 feet N 80° E to 20-inch apple tree.

ELEVATION: 2623.525 feet or 799.652 meters (T-2)

LR 474 (TVA, 1940; Haywood County, N. C.)

To reach from Waynesville Post Office, drive northeast on U. S. Highway 19 and 23 for 3.8 miles, turn left on N. C. State Highway 209, go 5.7 miles to Y-road intersection at Crabtree School, turn right up Crabtree Creek Road and go 2.1 miles to T-road, turn left and go 0.7 mile to Y-road, go 0.2 mile around horseshoe bend in road. Angle iron is 194.4 feet S 35° E from center of U-bend in road. A 1-by-1-inch angle iron.

Reference Mark 1: 29.28 feet N 28° W to 3-inch sassafras.

Reference Mark 2: 34.45 feet South to 3-inch hickory.

Reference Mark 3: 22.6 feet West to centerline of road.

GRID POSITION (N. C.): X = 842,407.1; Y = 701,382.7 (T-4)

ELEVATION: 2756 feet (T-5)

LR 475 (TVA, 1940; Haywood County, N. C.)

Located about 15.0 miles north of Waynesville. To reach from Waynesville Post Office, drive north on U. S. Highways 19 and 23 about 4.0 miles to Lake Junaluska, 500 feet beyond Southern Railroad bridge over highway, turn left on N. C. State Highway 209 and go 13.0 miles to Cold Creek, turn left on N. C. State Highway 289 and go 0.6 mile to junction with N. C. State Highway 292, turn right on N. C. State Highway 292 and continue 6.8 miles to Meadow Fork Gap, turn left on Hurricane Road and continue 2.0 miles to Bear Wallow Gap, follow (on foot) top of ridge southwest for 1.2 miles to Haynes Knob, highest point on ridge, 800 feet southwest from very large and tremendous boulder, in southwest corner of field. Station mark is a Department of Agriculture Forest Service brass tablet in concrete about 6 inches above the ground. Angle iron is driven beside tablet.

GRID POSITION (N. C.): X = 823,294.8; Y = 737,801.5 (T-4)

ELEVATION: 4474 feet (T-5)

LR 476 (TVA, 1940; Buncombe County, N. C.)

Located about 14.0 miles northwest of Canton. To reach from Canton, drive northeast on Newfound Avenue to Beaverdam about 1700 feet from end of pavement, turn left and continue 11.0 miles to Waldrop Store, turn left on Bald Creek Road and continue 1.5 miles to Y-intersection, turn right on Long Creek Road and continue 1.6 miles to home of W. R. King. Follow good trail 1.0 mile to Chestnut Gap, turn west and follow top of ridge 0.75 mile

to Bee Top Ridge, highest ridge between Chestnut Gap and Sandymush. Station is 60.0 feet west of highest point on ridge. A 1- by 1-inch angle iron, stamped "TVA LR 476".

Reference Mark 1: 36.77 feet S 28° E to 12-inch dead chestnut.
Reference Mark 2: 45.77 feet N 28° W to 8-inch dead chestnut.
Reference Mark 3: 41.60 feet East to 18-inch twin dead chestnut.
GRID POSITION (N. C.): X = 850,852.0; Y = 728,057.3 (T-4)
ELEVATION: 4858 feet (T-5)

LR 477 (TVA, 1940; Haywood County, N. C.)

Located about 6.0 miles northwest of Canton. To reach from Canton, drive west on Fiberville Road to end of pavement and Y-intersection, turn left and go 0.9 mile to intersection of Buckeye Cove Road, keep left road and go 0.8 mile to Thickery Grocery Store, turn right and continue 3.2 miles to Crabtree Gap, turn left and continue southwest on trail on north side of ridge 1.0 mile. Station is 5 feet S 52° E from corner fence post, and on top of bald ridge 500 feet N 40° E from transmission line crossing in gap. A 1- by 1-inch angle iron, stamped "TVA LR 477".

Reference Mark 1: 5.0 feet N 52° W to corner fence post.
Reference Mark 2: 4.4 feet N 55° E to fence post.

GRID POSITION (N. C.): X = 843,884.5; Y = 687,819.1 (T-4)
ELEVATION: 4009 feet (T-5)

LR 478 (TVA, 1940; Madison County, N. C.)

Located about 15.7 miles northeast of Waynesville. To reach from Waynesville Post Office, drive north on U. S. Highway 19 and 23 to Lake Junaluska, turn north on N. C. State Highway 209 and continue 18.4 miles, 5.6 miles northeast of stone store (at the junction with N. C. State Highway 289), and 1000 feet west of Bald City Church, 20 feet north of centerline of road and 5 feet higher than road. It is 5 feet north of fence line. A 1- by 1-inch angle iron, stamped "TVA LR 478".

Reference Mark 1: 7.12 feet S 5° E to fence post.
Reference Mark 2: 6.45 feet S 75° E to fence post.
Reference Mark 3: 26.38 feet N 12° E to 2-inch poplar tree.

GRID POSITION (N. C.): X = 847,525.8; Y = 732,538.8 (T-4)
ELEVATION: 3254 feet (T-5)

LR 479 (TVA, 1940; Haywood-Madison Counties, N. C.)

Located about 14.6 miles northeast of Waynesville. To reach from Lake Junaluska, drive north along N. C. State Highway 209 for 16.4 miles, 3.7 miles northeast of stone store at junction with N. C. State Highway 289, 330 feet due south up ridge from Doggett Gap and on Haywood-Madison County line. Station is 326.95 feet S 1° E of USC&GS BM Y 57 1934 in Doggett Gap. A 1- by 1-inch angle iron, stamped "TVA LR 479".

GRID POSITION (N. C.): X = 842,583.0; Y = 727,990.8 (T-4)
ELEVATION: 3956 feet (T-5)

LR 480 (TVA, 1940; Haywood County, N. C.)

Located about 2.0 miles northeast of Clyde. To reach from Clyde, cross bridge over Pigeon River and turn right, continue on main road on north side of river for 3.0 miles to T-road intersection, turn left and continue 1400 feet. Station is on right side of road in cleared field, 15 feet from centerline of road and 5 feet above centerline of road. A 1- by 1-inch angle iron, stamped "TVA LR 480".

Reference Mark 1: 48.48 feet S 7° W to 6-inch oak.
Reference Mark 2: 25.82 feet S 67° W to 8-inch oak.

GRID POSITION (N. C.): X = 845,074.5; Y = 679,396.3 (T-4)
ELEVATION: 2776 feet (T-5)

LR 481 (TVA, 1940; Buncombe County, N. C.)

Located about 4.2 miles northeast of Canton. To reach from Canton, Post Office, go east on U. S. Highways 19 and 23 for 5.3 miles to Ridgeway Baptist Church, turn left on George Creek Road and continue 1.0 mile to Y-intersection, turn left and continue 0.6 mile to another sharp Y-intersection. Park car and follow good sled trail west to large field on grassy top. Station is 0.8 foot under fence line, south of corner post where three fences intersect at highest point on grassy top. A 1- by 1-inch angle iron, stamped "TVA LR 481".

GRID POSITION (N. C.): X = 877,260.6; Y = 679,190.5 (T-4)
ELEVATION: 4168 feet (T-5)

LR 482 (TVA, 1940; Buncombe County, N. C.)

Located 5.4 miles northeast of Canton. To reach from Canton Post Office, go east on U. S. Highways 19 and 23 for 5.3 miles to Ridgeway Baptist Church, turn left on George Creek Road and continue 1.0 mile to Y-intersection, turn left and continue 0.6 mile to another Y-intersection, turn right and go 0.3 mile to home of P. L. Hall. Station is in east corner of cleared field, on top of ridge directly east of house, in the property corner of P. L. Hall, Fred McHaffey, and R. Williams. Angle iron is 1 foot north of corner post where three fences intersect, directly under fence line. A 1- by 1-inch angle iron, stamped "TVA LR 482".

Reference Mark 1: 23.30 feet S 55° W to 15-inch oak tree.
Reference Mark 2: 16.78 feet S 15° E to 8-inch pine tree.
Reference Mark 3: 14.64 feet N 7° E to 10-inch twin oak.

GRID POSITION (N. C.): X = 884,212.3; Y = 679,791.9 (T-4)
ELEVATION: 2925 feet (T-5)

LR 690 (TVA, 1941; Buncombe County, N. C.)

Located about 12.7 miles northwest of Asheville. To reach from Asheville, drive north on N. C. Highways 63 and 191 about 4.0 miles to Craggy, turn left and follow Highway 63 for 7.0 miles to Leicester, continue on Highway 63 for 3.3 miles, turn left on North Turkey Creek Road and go 0.9 mile, turn right around barn and go 0.5 mile to house. Walk northeast along trail 1000 feet. Station is 20.0 feet southeast of trail and about 150 feet northwest of lone locust tree. A 1- by 1-inch angle iron, stamped "TVA LR 690".

Reference Mark 1: 5.65 feet S 75° E to nail and washer in 2-inch pine tree.

Reference Mark 2: 10.40 feet N 40° E to nail and washer in 2-inch pine tree.

Reference Mark 3: 19.5 feet N 55° W to centerline of trail.

GRID POSITION (N. C.): X = 886,216.6; Y = 725,164.4 (T-4)
ELEVATION: 2372 feet (T-5)

M 38 (USC&GS, 1932; Haywood County, N. C.)

Located about 1.4 miles east along the Southern Railway from Lake Junaluska, about 0.1 mile west of milepost 23, about 40 yards east of a

county road crossing, about 55 feet south of the south rail, about 30 feet south of the fence line, and on the side of a small grassy hill. A standard disk, stamped "M 38 1932" and set in top of a rock outcrop.

ELEVATION: 2605.835 feet or 794.260 meters (C-2)

M 127 (USC&GS, 1935; Madison County, N. C.)

Located 18.2 miles southwest of Marshall, on N. C. State Highway 213 right-of-way property, 7 feet southwest of N. C. State Highway 213, 50 feet southwest of Little Sandymush Creek, 80 feet west of highway bridge over Little Sandymush Creek, 200 feet west of W. S. Hampton's house, and 29 feet northwest of 12-inch walnut tree. A standard USC&GS tablet set in top of precast concrete post and stamped "M 127 1935".

Reference Mark 1: 29.0 feet S 48° E to 12-inch walnut tree.

ELEVATION: 2462.016 feet or 750.424 meters (T-2)

M 132 (USC&GS, 1935; Haywood County, N. C.)

Located 13.1 miles southwest of Leicester, 1.5 miles northeast of Canton, on property of Frank Cogburn, 12 feet northwest of Beaverdam Road, 125 feet north of intersection of Beaverdam Road and Hominy Road, 200 feet north of Mrs. M. S. Stancy's house, 350 feet west of Frank Cogburn's house, 2 feet southeast of wire fence, 3 feet north of a field road, 300 feet southeast of North Carolina Power and Light Company transmission line. A standard USC&GS tablet set in top of precast concrete post and stamped "M 132 1935".

Reference Mark 1: 62.7 feet N 63° E to 2-inch pine tree.

Reference Mark 2: 2.0 feet S 75° W to north gate post.

ELEVATION: 2797.288 feet or 852.615 meters (T-2)

MS 429 (TVA, 1940; Haywood County, N. C.)

To reach from Haywood County Courthouse in Waynesville, drive 3.60 miles along U. S. Highways 23 and 19 (toward Asheville) to intersection of N. C. State Highway 209 and U. S. Highways 23 and 19, turn left on N. C. State Highway 209 and drive 3.15 miles to a T-road intersection, turn left on T-road and drive east for 0.30 mile to a T-road intersection, turn left on T-road and drive north for 0.95 mile to end of road. Park car and take trail leading in easterly way to a low saddle. Turn left and walk 1900 feet up steep ridge keeping centerline of ridge all the way to a slight top and the northeast corner of timbered area and station. A 1- by 1-inch angle iron, stamped "MS 429".

Reference Mark 1: 8.91 feet S 36° W to fence corner.

Reference Mark 2: 16.00 feet S 58° W to fence post.

GRID POSITION (N. C.): X = 815,279.7; Y = 685,885.8 (T-4)

ELEVATION: 3646 feet (T-5)

MS 430 (TVA, 1940; Madison County, N. C.)

To reach from Haywood County Courthouse at Waynesville, drive north-east along U. S. Highway 23 for 3 miles to intersection of highways, turn left on N. C. State Highway 209 and go 21.45 miles to intersection of N. C. State Highways 209 and 213, turn right on Highway 213 and drive 2.25 miles to T-trail east, turn left on T-trail east and drive 0.50 mile. Park car and proceed on foot in easterly direction for 2400 feet to a low saddle, turn left and continue up centerline of ridge 2400 feet to a high rocky top. Angle iron is 8 feet northeast of large rock and 4 feet lower than rock. A 1- by 1-inch angle iron, stamped "MS 430".

Reference Mark 1: 14.74 feet N 85° E to 10-inch locust.

GRID POSITION (N. C.): X = 865,587.5; Y = 748,947.3 (T-4)

ELEVATION: 4424 feet (T-5)

MS 431 (TVA, 1940; Madison County, N. C.)

To reach from intersection of bridge over Railroad in Canton and Church Street, cross bridge and proceed one block to Newfound Street, turn right and proceed 11.15 miles, keeping on main road known as Newfound Road to Hall's Service Station and 4-way intersection, take middle road (still Newfound Road) and proceed 2.65 miles to intersection of Newfound Road and State Highway 63, turn left on State Highway 63 (black top) and proceed 2.90 miles to Y-road, turn right, leaving black top road but keeping State Highway 63 and proceed 1.70 miles to Y-road intersection of State Highway 63 and Meadow Town Road, turn right on Meadow Town Road and proceed 2.05 miles to intersection of Meadow Town Road and N. C. State Highway 213. Keep right on N. C. State Highway 213 and proceed 4.25 miles to crossroads, turn left, leaving N. C. State Highway 213 and proceed 3.35 miles to T-road intersection at river bridge, turn left and proceed 2.05 miles to a T-road intersection. Turn right and proceed to a metal roofed barn and small 1-story frame house, turn left, going between barn and house and proceed 3.20 miles to 1-story frame house. Park car and walk 1200 feet up sled road to an old abandoned house used as barn, keep left up dim sled trail 300 feet to station in centerline of dim sled trail. A 1- by 1-inch angle iron, stamped "MS 431".

Reference Mark 1: 17.72 feet S 77° E to 14-inch dead chestnut stump.

Reference Mark 2: 25.80 feet S 29° W to 12-inch dead chestnut stump.

Reference Mark 3: 6.68 feet S 77° W to 8-inch locust tree.

GRID POSITION (N. C.): X = 877,275.2; Y = 747,305.4 (T-4)

ELEVATION: 2638 feet (T-5)

MS 435 (TVA, 1940; Haywood County, N. C.)

To reach from courthouse in Waynesville, drive 3.6 miles northeast along U. S. Highway 19 to intersection of U. S. Highway 19 and N. C. State Highway 209, turn left and follow Highway 209 for 8.6 miles to where Carolina Power and Light transmission line crosses N. C. State Highway 209. Park car and follow transmission line 0.25 mile southeast to tower in low saddle. Turn right and climb southwest for 430 feet to top of wooded knob and station. Station is 50 feet northeast of top. A 1- by 1-inch angle iron, stamped "MS 435".

Reference Mark 1: 13.05 feet N 16° W to 12-inch hickory tree.

Reference Mark 2: 16.11 feet N 48° E to 6-inch hickory tree.

Reference Mark 3: 16.42 feet S 28° W to 4-inch oak tree.

GRID POSITION (N. C.): X = 830,016.4; Y = 707,996.3 (T-4)

ELEVATION: 3368 feet (T-5)

N 38 (USC&GS, 1932; Haywood County, N. C.)

Located at Clyde, at the northeast corner of intersection of Main and Clyde Streets, in the face of the south wall of the Bank of Clyde building, and at the southwest corner. A standard disk, stamped "N 38 1932" and set vertically.

ELEVATION: 2539.191 feet or 773.947 meters (C-2)

N 57 (USC&GS, 1934; Haywood County, N. C.)

Located at Lake Junaluska, about 35 yards east of the east end of the

Southern Railroad Station, at a switch to a siding, and about 13 yards north of the centerline of the track. A standard USC&GS bronze tablet set in top of a concrete post and stamped "N 57 1934".

ELEVATION: 2583.732 feet or 787.523 meters (C-2)

N 127 (USC&GS, 1935; Madison County, N. C.)

Located 19.4 miles southwest of Marshall, on property of G. A. Flemmons, 140 feet southeast of N. C. State Highway 213, 8 feet north of old road to Doggett Gap, 1 foot east of wire fence, 300 feet south of a drain on Doggett Mountain grade, and opposite a sharp curve in highway. A standard USC&GS tablet set in top of precast concrete post and stamped "N 127 1935".

Reference Mark 1: 19.2 feet N 72° W to 1 1/4-inch oak stump.

Reference Mark 2: 65.8 feet S 85° E to 1 1/4-inch painted snag.

ELEVATION: 2911.526 feet or 887.435 meters (T-2)

N 132 (USC&GS, 1935; Haywood County, N. C.)

Located 2.6 miles north of Canton, on Beaverdam Road right-of-way property, 8 feet east of Beaverdam Road, 450 feet southeast of Beaverdam School, 1 foot west of wire fence, 14.7 feet southwest of painted power pole, 17 feet southeast of fence corner, at intersection of Beaverdam Road and North Canton Road, and 185 feet southeast of Albert Robinson's house. A standard USC&GS tablet set in top of precast concrete post and stamped "N 132 1935".

NOTE: This monument has been moved by the North Carolina State Highway Department. It is now located approximately 15 feet north-west of original location.

Reference Mark 1: 14.7 feet N 30° E to painted power pole.

Reference Mark 2: 17 feet N 17° W to fence corner.

ELEVATION: 2677.173 feet or 816.004 meters (T-2)

NOLAND (USGS, 1934; Haywood County, N. C.)

Located about 14 miles (airline) north of Waynesville, on the highest point of property owned by Reeves Noland. To reach station from Waynesville, drive east on U. S. Highway 19 for 4.1 miles, thence left on N. C. State Highway 209 for 12.8 miles, thence left on N. C. State Highway 289 (at a stone store) for 0.7 mile, thence left, after crossing bridge, 2.6 miles. Leave car and follow old wagon road right (north) about 2 miles to gap, thence left at gap up ridge to highest point and station. Old wagon road is dim in places. Station mark is a standard tablet cemented in rock set in place and stamped "NOLAND 1934".

Reference Mark 1: 16.36 feet S 10° W to 1-inch drill hole in rock set in place.

Reference Mark 2: 15.74 feet N 87° W to 1-inch drill hole in rock set in place.

Reference Mark 3: 12.86 feet N 49° E to 1-inch drill hole in rock set in place.

GEODETIC POSITION: Lat. = 35° 42' 05.582"; Long. = 82° 59' 59.837" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Max Patch	200° 06' 04.7"	20° 07' 35.0"	4.053059	7.0
Sandywash	282 49 05.5	102 53 11.9	4.037170	6.8

GRID POSITION (N. C.): X = 812,731.3; Y = 734,165.2 (G-3)

ELEVATION: 4152 feet (T-5)

P 39 (TVA, 1938; Madison County, N. C.)

Located 7.0 miles east of Trust by Highway 213, 0.75 mile southeast of Doggett Gap, 500 feet southeast of sharp turn in road, and 30 feet northeast of centerline of highway. A chiseled square on top of rock outcrop, painted "TBM P 39".

ELEVATION: 3218.606 feet or 981.033 meters (T-2)

P 44 (TVA, 1938; Haywood County, N. C.)

Located about 1.6 miles (airline) southwest of Maple Spring Gap, on State Highway 292, about 0.8 mile east of Madison County line, 300 feet west of house, 20 feet north of lone tree on south side of road, and 15 feet north of centerline of road. A chiseled circle on rock, painted "TBM P 44".

ELEVATION: 3625.941 feet or 1105.189 meters (T-2)

P 45 (TVA, 1938; Haywood County, N. C.)

Located at intersection of State Highways 289 and 209 and 2000 feet east of Haywood County School. A chiseled square on concrete abutment at southwest corner of bridge, painted "TBM P 45".

ELEVATION: 2526.507 feet or 770.081 meters (T-2)

P 48 (TVA, 1938; Haywood County, N. C.)

Located at Hepco, on northeast pier of bridge over Pigeon River. A chiseled square.

ELEVATION: 2779.182 feet or 694.696 meters (T-2)

P 49 (TVA, 1938; Haywood County, N. C.)

Located 1.5 miles northeast of railroad station in Canton, at T-road intersection leading to Beaverdam School, 20 feet east of Beaverdam Road, and 60 feet east of M 132. A railroad spike in root of 10-inch oak tree, painted.

ELEVATION: 2797.475 feet or 852.672 meters (T-2)

P 50 (TVA, 1938; Buncombe County, N. C.)

Located 1.1 miles southwest of Sandywash School and Church, 1.5 miles north of Ebenezer Church, 50 feet south of T-road west, on side of cut across road from small clump of trees. A chiseled square in sandrock boulder, painted.

ELEVATION: 2319.037 feet or 706.844 meters (T-2)

P 57 (USC&GS, 1934; Haywood County, N. C.)

Located about 1 mile north along N. C. State Highway 209 from the junction with U. S. Highway 23 at Lake Junaluska, about 13 yards north of a cement block garage on the east side of the highway, about 8 yards west of the centerline of the highway, and about 3 yards southwest of a power transmission line pole. A standard USC&GS bronze tablet set in top of a concrete post and stamped "P 57 1934".

ELEVATION: 2531.458 feet or 771.590 meters (C-2)

P 127 (USC&GS, 1935; Madison County, N. C.)

Located 20.4 miles southwest of Marshall, on property of G. A. Flemmons, 38 feet east of N. C. State Highway 213 at a hairpin curve in highway, 400 feet east of W. E. Ledbetter's house, 12 feet north of a trail, 2 feet south of a fence corner, about 4 feet below the highway, and 1000 feet southwest

of new tin roofed barn. A standard USC&GS tablet set in top of a precast concrete post and stamped "P 127 1935".

Reference Mark 1: 1.8 feet N 9° W to fence corner.

Reference Mark 2: 7.8 feet S 78° E to painted fence post.

ELEVATION: 3328.254 feet or 1014.454 meters (T-2)

P 132 (USC&GS, 1935; Haywood County, N. C.)

Located 3.6 miles north of Canton, on Beaverdam Road right-of-way property, 8 feet west of Beaverdam Road, 3 feet east of barnyard fence, 55 feet east of Rice Cove Creek, 100 feet west of Jim Reno's house, 100 feet southeast of large barn, and 79.6 feet north of concrete bridge over Rice Cove Creek. A standard USC&GS tablet set in top of precast concrete post and stamped "P 132 1935".

Reference Mark 1: 62.2 feet N 70° E to 16-inch walnut tree.

Reference Mark 2: 79.6 feet S 10° W to north corner of west headwall of concrete bridge.

ELEVATION: 2689.785 feet or 819.848 meters (T-2)

PR 29 (TVA, 1938; Haywood County, N. C.)

Located 13.0 miles north of Junaluska, 0.5 mile down Cove Creek from junction of N. C. State Highways 209 and 289, 50 feet from right bank of Cove Creek, on south edge of wagon trail, and at lower end of field. A chiseled square on top of boulder with top flush with ground.

ELEVATION: 2543.44 feet (T-3)

PR 30 (TVA, 1938; Haywood County, N. C.)

Located 3.0 miles north along N. C. State Highway 289 from bridge over Pigeon River, on right side of Fines Creek, 20 feet from bank, 400 feet below point where Cove Creek runs into Fines Creek, and 100 feet east of highway. A nail and copper washer in downstream root of 2 1/4-inch apple tree.

ELEVATION: 2459.65 feet (T-3)

PR 31 (TVA, 1938; Haywood County, N. C.)

Located 2.5 miles northeast along N. C. State Highway 289 from bridge over Pigeon River, 20 feet north of centerline of road. A chiseled square on east corner of the south end of concrete walk from side porch of G. B. Ferguson's home to road, 1 foot from gate post from side yard to road.

ELEVATION: 2434.16 feet (T-3)

PR 32 (TVA, 1938; Haywood County, N. C.)

Located 1.8 miles north of Pigeon River, along N. C. State Highway 289. A chiseled square on the north end of the east abutment of Highway 289 bridge over Martin Creek.

ELEVATION: 2388.19 feet (T-3)

PR 33 (TVA, 1938; Haywood County, N. C.)

Located about 0.5 mile north along State Highway 289 from Pigeon River, about 470 feet north of point where transmission line crosses highway opposite lower end of cultivated field on west side of Highway 289, and 12 feet from centerline of road. A chiseled square on rock outcrop, about 2 feet above elevation of road.

ELEVATION: 2357.367 feet or 718.527 meters (T-2)

PR 34 (TVA, 1938; Haywood County, N. C.)

Located on left bank of Pigeon River, 700 feet above Hepco Dam, 350 feet below barn, on landside of 6-inch willow tree, 4 inches above ground and 3 feet from water's edge. Character of station, unknown.

ELEVATION: 2308.68 feet (T-3)

PR 35 (TVA, 1938; Haywood County, N. C.)

Located 0.7 mile up Pigeon River from Hepco Dam, 400 feet above small branch, on left side of river, 30 feet from water's edge, and on landward side of narrow field. A chiseled square on rock ledge 1 foot above ground.

ELEVATION: 2315.72 feet (T-3)

PR 36 (TVA, 1938; Haywood County, N. C.)

Located about 1.3 miles above Hepco Dam, 0.8 mile below Hepco Gage, on left side of Pigeon River, at upper end of narrow field, about 800 feet up river from a farm shed, and 30 feet from left water's edge. A chiseled square on top of large boulder on downstream corner, 3.0 feet above the ground.

ELEVATION: 2328.33 feet (T-3)

PR 37 (TVA, 1938; Haywood County, N. C.)

Located 500 feet below the mouth of Jonathan Creek, 75 feet riverward from N. C. State Highway 289, at toe of bluff 75 feet landward from left bank of Pigeon River, 27 feet landward and 10 feet upstream from 12-inch red oak. A chiseled square on top of rock outcrop.

ELEVATION: 2367.69 feet (T-3)

PR 38 (TVA, 1938; Haywood County, N. C.)

Located 0.6 mile above mouth of Jonathan Creek on left bank of Pigeon River, at water's edge, 15 feet riverward from 8-inch blazed twin sycamore tree, and 1.0 foot above normal water surface on flat rock ledge. A chiseled square.

ELEVATION: 2379.93 feet (T-3)

PR 39 (TVA, 1938; Haywood County, N. C.)

Located 1.0 mile west or downstream from Ferguson Bridge, on right side of Pigeon River, about 200 feet from river bank, 55 feet east of log spring house, about 2.6 miles (airline) northwest of Crabtree, on the property of M. M. Ray, 50 feet south of centerline of road to Solray Gap, 10 feet north of path to M. M. Ray's log barn, and 20 feet west of said barn. A chiseled square on sloping rock ledge.

ELEVATION: 2419.24 feet (T-3)

PR 40 (TVA, 1938; Haywood County, N. C.)

Located about 2.1 miles (airline) northwest of Crabtree, 0.6 mile below Ferguson Bridge, on right side of Pigeon River, about 80 feet from water's edge, and 12 feet north of centerline of road to Solray Gap. A chiseled square cut in rock projection about 3.5 feet above level of road.

ELEVATION: 2419.48 feet (T-3)

PR 41 (TVA, 1938; Haywood County, N. C.)

Located on Pigeon River at river mile 48.3. A chiseled square on down river end of left bank abutment of Ferguson Bridge.

ELEVATION: 2441.28 feet (T-3)

PR 42 (TVA, 1938; Haywood County, N. C.)

Located about 0.7 mile up river from Ferguson Bridge, on right side of Pigeon River, 200 feet from water's edge, 35 feet east of highway, 75 feet north of John Noland's house, 30 feet south from small branch, about 8 feet south of front of small log shed. Character of station, unknown.
ELEVATION: 2440.90 feet (T-3)

PR 43 (TVA, 1938; Haywood County, N. C.)

Located 1.2 miles up river from Ferguson Bridge, on right side of Pigeon River, 100 feet from water's edge, 500 feet up river from rock quarry, 40 feet north of road, 40 feet west of small unpainted house, and 0.5 mile below mouth of Crabtree Creek. Character of station, unknown.
ELEVATION: 2447.05 feet (T-3)

PR 44 (TVA, 1938; Haywood County, N. C.)

Located 1.7 miles up Pigeon River from Ferguson Bridge, 0.8 mile west of Crabtree, 100 feet up Crabtree Creek from its mouth, on right side of river and right bank of creek, 35 feet south of centerline of road. Nail and copper washer in north side of 8-inch willow tree at base of tree. Tree overhangs Crabtree Creek.
ELEVATION: 2448.04 feet (T-3)

PR 45 (TVA, 1938; Haywood County, N. C.)

Located 0.5 mile up Pigeon River from the mouth of Crabtree Creek, 350 feet down river from small branch, at up river end of large patch of woods, 25 feet landward from right water's edge of river, 80 feet down river from blazed 30-inch white oak tree, and 8 feet landward from foot path along river bank. A chiseled square on top of boulder about 3.0 feet above the level of path.
ELEVATION: 2457.41 feet (T-3)

PR 46 (TVA, 1938; Haywood County, N. C.)

Located 0.9 mile up Pigeon River from the mouth of Crabtree Creek, 1.4 miles down river from N. C. State Highway 209 bridge over river, 100 yards up river from mouth of Big Branch, and 60 feet from water's edge. A chiseled square on down river end of large prominent rock, 10 feet riverward from steeper part of bank.
ELEVATION: 2461.02 feet (T-3)

PR 47 (TVA, 1938; Haywood County, N. C.)

Located 0.9 mile below N. C. State Highway 209 bridge over Pigeon River, 1.4 miles above mouth of Crabtree Creek, at lower edge of large patch of woods, 35 feet from right water's edge of river, and on river edge of path along bank. A copper washer and nail in base of blazed 12-inch beech tree, 0.1 foot above ground, and on land side.
ELEVATION: 2463.00 feet (T-3)

PR 48 (TVA, 1938; Haywood County, N. C.)

Located about 0.6 mile below N. C. State Highway 209 bridge over Pigeon River, 1000 feet below mouth of Big Branch, on right side of river, 15 feet from normal water's edge, on river side of path along bank, 10 feet down river and 5 feet landward from 15-inch pine tree. A chiseled square on top of rock ledge just above surface of ground.
ELEVATION: 2466.26 feet (T-3)

PR 49 (TVA, 1938; Haywood County, N. C.)

Located 1200 feet below N. C. State Highway 209 bridge over Pigeon River, on south side of N. C. State Highway 209, on right bank just west of entrance to driveway to Tom Greene's house. A chiseled square on southeast corner of south headwall of concrete culvert under highway.
ELEVATION: 2471.00 feet (T-3)

PR 50 (TVA, 1938; Haywood County, N. C.)

Located 1.1 miles up Pigeon River from N. C. State Highway 209 bridge over river, 250 feet up river from Dotson home, about 60 feet up river from Dotson's barn, 100 feet riverward from centerline of N. C. State Highway 209, on top of river bank, on up river side of fence. A nail and washer in riverward base of 18-inch oak tree.
ELEVATION: 2490.50 feet (T-3)

PR 51 (TVA, 1938; Haywood County, N. C.)

Located about 0.6 mile below the intersection of N. C. State Highway 209 and the old Ironduff Road, about 75 feet up Pigeon River from front of J. B. Bradshaw's home. A chiseled square on northwest end of northwest headwall of concrete culvert over Medford Branch.
ELEVATION: 2490.20 feet (T-3)

PR 52 (TVA, 1938; Haywood County, N. C.)

Located 1000 feet east of intersection of old Crabtree Road, 1000 feet west of Terrell Bridge, 1500 feet down Pigeon River from mouth of Richland Creek, 25 feet west of centerline of old Crabtree Road, and about 60 feet from left water's edge of river. A nail and copper washer in landward base of 10-inch walnut tree.
ELEVATION: 2498.74 feet (T-3)

PR 53 (TVA, 1938; Haywood County, N. C.)

Located across Pigeon River from home of Amos Medford, 0.5 mile up river from the mouth of Richland Creek and on right bank. A chiseled square on downstream end of concrete abutment of foot bridge over river.
ELEVATION: 2505.58 feet (T-3)

PR 54 (TVA, 1938; Haywood County, N. C.)

Located about 0.5 mile up Pigeon River from foot bridge over river, about 2.0 miles below Clyde, on right side of river, 100 feet from water's edge, on right bank of small branch, 300 feet south of road up right bank, and 25 feet up river from fence perpendicular to river. A nail and washer in landward base of 10-inch walnut tree, 1.0 foot above ground.
ELEVATION: 2509.48 feet (T-3)

PR 55 (TVA, 1938; Haywood County, N. C.)

Located about 1.4 miles below Clyde, about 1.1 miles up Pigeon River from foot bridge over river, on left bank of small branch, and 25 feet north of centerline of road along right bank. A railroad spike in base of 15-inch walnut tree, 10 inches above ground.
ELEVATION: 2516.45 feet (T-3)

PR 56 (TVA, 1938; Haywood County, N. C.)

Located 0.5 mile below Clyde, on left side of Pigeon River, on south-west side of Highways 19 and 23, 33 feet downstream from power pole No. 186, 16 feet from centerline of road, across road from old Morgan Mill. Character of station, unknown.
ELEVATION: 2528.60 feet (T-3)

PR 57 (TVA, 1938; Haywood County, N. C.)

Located at the east city limits of Clyde, in front of R. C. Jones' home, 18 feet north of centerline of highway (Jones' house is 1-1/2 story cream colored house with green roof). A chiseled square in concrete walk from U. S. Highways 19 and 23 to Jones' house.
ELEVATION: 2532.03 feet (T-3)

PR 58 (TVA, 1938; Haywood County, N. C.)

Located 1.1 miles up river from bridge over Pigeon River at Clyde, on right side of river, 15 feet from water's edge, and 20 feet riverward from centerline of road. A railroad spike driven in land side of blazed 18-inch poplar tree.
ELEVATION: 2530.46 feet (T-3)

PR 59 (TVA, 1938; Haywood County, N. C.)

Located 1.6 miles up Pigeon River from Clyde, about 0.4 mile downstream from Cogburn Ford, on left side of river, 300 feet from water's edge, and directly in front of Roy Haines' house. A nail and copper washer in riverward root of 30-inch maple tree.
ELEVATION: 2540.49 feet (T-3)

PR 60 (TVA, 1938; Haywood County, N. C.)

Located along U. S. Highways 19 and 23, about 2.5 miles west of Canton. A chiseled square on east end of north headwall of concrete box culvert over Sally Haines Branch.
ELEVATION: 2572.31 feet (T-3)

PR 61 (TVA, 1938; Haywood County, N. C.)

Located on up river end of left bank wingwall of steel bridge over Pigeon River in Canton, about 500 feet up river from the mouth of Beaverdam Creek. A chiseled square.
ELEVATION: 2577.96 feet (T-3)

PR 62 (TVA, 1938; Haywood County, N. C.)

Located near northern outskirts of Canton, on north edge of road to Thompson Ferry, 100 feet from right water's edge of Pigeon River, 150 feet down river from steel transmission tower, and 7 feet from centerline of road. A chiseled square on top of ledge rock, about 1.5 feet above road level.
ELEVATION: 2568.94 feet (T-3)

PR 63 (TVA, 1938; Haywood County, N. C.)

Located on right side of river in Canton, about 100 feet up river from the main line of the Southern Railway, about 200 feet downstream from U. S. Highways 19 and 23 bridge over Pigeon River, about 100 feet from right water's edge, in the yard of the Canton Ice and Coal Company, between ice loading platform and coal and wood shed. A nail and copper washer in riverward root of 24-inch silver maple at ground.
ELEVATION: 2584.77 feet (T-3)

Q 38 (USC&GS, 1932; Haywood County, N. C.)

Located about 1.9 miles west along U. S. Highway 23 from Canton, about 0.2 mile east of a highway filling station, about 300 yards east of Southern Railway milepost T 19, about 155 feet north of the track, at a concrete box culvert on the highway, and in the top of the east end of the south headwall. A standard disk, stamped "Q 38 1932".
ELEVATION: 2606.714 feet or 794.528 meters (C-2)

Q 57 (USC&GS, 1934; Haywood County, N. C.)

Located about 3.3 miles north along N. C. State Highway 209 from Lake Junaluska, 0.8 mile south of the bridge over Pigeon River, about 0.2 mile south of the junction of Ironduff Road, at the north end of a cut, about 100 yards south of a high point in the highway, about 7 yards west of the centerline of the highway, and west of a power transmission line pole. A standard USC&GS bronze tablet set in top of concrete post and stamped "Q 57 1934".
ELEVATION: 2548.719 feet or 776.851 meters (C-2)

Q 127 (USC&GS, 1935; Madison County, N. C.)

Located 21.3 miles southwest of Marshall, on N. C. State Highway 213 right-of-way property, 9 feet south of N. C. State Highway 213, 18 feet southwest (uphill) of highway "Slow" sign, 1 foot south of wire fence, 100 feet north of telephone line, 200 feet northeast of the first curve north-east of Doggett Gap. A standard USC&GS tablet set in top of precast concrete post and stamped "Q 127 1935".
ELEVATION: 3775.944 feet or 1150.910 meters (T-2)

Q 132 (USC&GS, 1935; Haywood County, N. C.)

Located 4.6 miles north of Canton, on Beaverdam Road right-of-way property, at intersection of Beaverdam Road and T-road west, 6 feet west of Beaverdam Road, 75 feet southwest of intersection of drain and Beaverdam Road, 5 feet north of old road, 200 feet south of Mrs. Ruth Robinson's house, 600 feet southeast of Liberty Church, and 28.7 feet west of fence corner. A standard USC&GS tablet set in top of precast concrete post and stamped "Q 132 1935".
Reference Mark 1: 28.7 feet S 82° E to fence corner.
Reference Mark 2: 39.1 feet S 43° E to center post of three mail-box posts.
ELEVATION: 2803.397 feet or 854.477 meters (T-2)

R 38 (USC&GS, 1932; Haywood County, N. C.)

Located at Canton on Main Street, on property of Champion Fiber Company, directly opposite the Southern Railway Station, about 125 feet north of the track, in the face of the south wall of the Champion Fiber Company office building, at the southwest corner, 10 feet west of the steps of the side entrance, and about 4 feet above ground. A standard disk, stamped "R 38 1932" and set vertically.
ELEVATION: 2605.169 feet or 794.057 meters (C-2)

R 57 (USC&GS, 1934; Haywood County, N. C.)

Located about 5.5 miles north along N. C. State Highway 209 from Lake

Reference Mark 2: 12.66 feet N 18° W to drill hole in rock set in place.

Reference Mark 3: 46.10 feet S 41° E to drill hole in rock set in place.

GEODETIC POSITION: Lat. = 35°33'17.118"; Long. = 82°59'28.543" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Water Rock	52°54'07.0"	232°49'00.6"	4.222046	10.4
Bent Knee	153 55 21.2	333 53 40.9	3.993504	6.1
Sentell	322 36 37.8	142 38 51.9	3.981299	6.0

GRID POSITION (N. C.): X = 813,162.5; Y = 680,675.7 (G-3)

ELEVATION: 4228 feet (T-5)

U 38 (USC&GS, 1932; Haywood County, N. C.)

Located about 3.8 miles east along the Southern Railway from Canton at Turnpike, about 228 yards west of the station shed, about 6-1/2 rails east of the east end of Bridge T 12.9, about 65 yards west of county line, on the north side of the track, and about 2.5 feet above the top of the rail. A standard disk, stamped "U 38 1932" and set vertically in the face of rock cut.

ELEVATION: 2269.333 feet or 691.694 meters (C-2)

U 57 (USC&GS, 1934; Haywood County, N. C.)

Located 11.7 miles north along N. C. State Highway 209 from Lake Junaluska, about 0.9 mile south of a stone store at the junction with N. C. State Highway 289, at a curve, about 100 yards north of a road leading east into a valley, in a field, about 6 yards east of the centerline of the highway, and about 2 yards east of a fence. A standard USC&GS bronze tablet set in top of a concrete post and stamped "U 57 1934".

ELEVATION: 2943.872 feet or 897.294 meters (C-2)

U 127 (USC&GS, 1935; Madison County, N. C.)

Located 25.8 miles southwest of Marshall, 1 mile southeast of Trust, on N. C. State Highway 213 right-of-way property, 10 feet southwest of N. C. State Highway 213, 12 feet northeast of Friezeland Creek, 115 feet northeast of Mrs. Mattie Hipps' house, 210 feet south of Eli Hipps' house, and 38.3 feet southeast of foot bridge across Friezeland Creek. A standard USC&GS tablet set in top of retaining wall and stamped "U 127 1935".

Reference Mark 1: 38.3 feet N 60° W to north end of foot bridge.

Reference Mark 2: 22.8 feet S 50° E to wood mailbox.

ELEVATION: 2568.551 feet or 782.896 meters (T-2)

U 132 (USC&GS, 1935; Buncombe County, N. C.)

Located 23.4 miles southwest of Marshall, on Willow Creek right-of-way property, 15 feet southwest of Willow Creek Road, at a hairpin curve in road, 2 feet east of a wire fence, 40 feet east of branch, 5.1 feet northeast of fence corner on grade up Newfound Mountain, and 0.2 mile southwest of Hez Clarek's house. A standard USC&GS tablet set in top of precast concrete post and stamped "U 132 1935".

Reference Mark 1: 5.1 feet S 16° W to fence corner.

ELEVATION: 3102.651 feet or 945.690 meters (T-2)

V 57 (USC&GS, 1934; Haywood County, N. C.)

Located 12.6 miles north along N. C. State Highway 209 from Lake Junaluska, about 40 yards east of the junction with N. C. State Highway 289, about 24 yards east of a stone store, at a 6- by 16-foot concrete box culvert, and in the top of the west end of the north headwall. A standard USC&GS bronze tablet set in north headwall and stamped "V 57 1934".

NOTE: Second-order leveling by TVA in 1938 indicates that monument has been disturbed.

ELEVATION: 2626.127 feet or 800.445 meters (C-2)

2626.179 feet or 800.461 meters (T-2)

V 132 (USC&GS, 1935; Buncombe County, N. C.)

Located 22.3 miles southwest of Marshall, on property of Boss Duckett, 9 feet southeast of Willow Creek Road, 75 feet southeast of Willow Creek, 2 feet southeast of wire fence, 14.5 feet southwest of fence corner, 77.4 feet north of portable sawmill, 350 feet southwest of Ebenezer Church, 90 feet south of a barn, and 300 feet east of Ebenezer Cemetery. A standard USC&GS tablet set in top of precast concrete post and stamped "V 132 1935".

Reference Mark 1: 14.5 feet N 38° E to fence corner.

Reference Mark 2: 77.4 feet S 8° E to portable sawmill.

ELEVATION: 2500.782 feet or 762.240 meters (T-2)

W 57 (USC&GS, 1934; Haywood County, N. C.)

Located 13.7 miles north along N. C. State Highway 209 from Lake Junaluska, about 1 mile northeast of a stone store at the junction with N. C. State Highway 289, just north of the last house on the highway south of Doggett Mountain, about 3 yards north of a spring and a 24-inch corrugated iron culvert, and about 10 yards west of the centerline of the highway. A standard USC&GS bronze tablet set in top of concrete post, stamped "W 57 1934".

ELEVATION: 2874.023 feet or 876.004 meters (C-2)

W 132 (USC&GS, 1935; Buncombe County, N. C.)

Located 21.3 miles southwest of Marshall, on property of Raymond Wells, 20 feet northwest of Willow Creek Road, 21.6 feet southwest of bridge over Willow Creek, 20 feet west of Willow Creek, 250 feet southwest of Richard Well's house, and 12 feet south of wire fence. A standard USC&GS tablet set in top of rock outcrop and stamped "W 132 1935".

Reference Mark 1: 21 feet N 40° W to fence corner.

Reference Mark 2: 21.6 feet N 50° E to southwest corner of bridge.

ELEVATION: 2336.252 feet or 712.091 meters (T-2)

X 57 (USC&GS, 1934; Haywood County, N. C.)

Located 15 miles north along N. C. State Highway 209 from Lake Junaluska, about 2.3 miles northeast of the stone store at the junction with N. C. State Highway 289, about 1.4 miles south of Doggett Gap, along the top of a ridge, about 7 yards north of the centerline of the highway, and 1 foot east of a gate. A standard USC&GS bronze tablet set in precast concrete monument and stamped "X 57 1934".

Report on Condition (TVA, June 1941): Top of monument has been knocked off and cap removed. Remainder of monument seems to be set upright in its original position.

ELEVATION: 3374.065 feet or 1028.417 meters (C-2)

X 132 (USC&GS, 1935; Buncombe County, N. C.)

Located 20.1 miles southwest of Marshall, on property of Herman Wells,

15 feet northwest of Big Sandymush Creek Road, 100 feet north of intersection of Big Sandymush Creek Road and Willow Creek Road and Bald Creek Road, 26.2 feet south of a blacksmith shop, 3 feet southeast of fence, 200 feet northwest of Miss Ida Wadrop's house, and 45 feet southwest of bridge over a branch. A standard USC&GS tablet set in top of precast concrete post and stamped "X 132 1935".

Reference Mark 1: 26.2 feet N 3° W to southwest corner of blacksmith shop.

Reference Mark 2: 45 feet N 79° E to southwest corner of bridge.

ELEVATION: 2267.446 feet or 691.119 meters (T-2)

Y 57 (USC&GS, 1934; Madison County, N. C.)

Located 16.4 miles north along N. C. State Highway 209 from Lake Junaluska, 3.7 miles northeast of the stone store at the junction with N. C. State Highway 289, at the east end of a cut at Doggett Gap, about 11 yards north of the centerline of the highway, about 7 yards west of a gate, and 1 yard west of a corner fence post. A standard USC&GS bronze tablet set in top of concrete post and stamped "Y 57 1934".

ELEVATION: 3894.736 feet or 1187.118 meters (C-2)

Y 132 (USC&GS, 1935; Buncombe County, N. C.)

Located 19.1 miles southwest of Marshall, on property of Jesse Keener, 9 feet northeast of Gilbert Branch Road, 6 feet west of branch, 39.3 feet northwest of intersection of branch and Gilbert Branch Road, 65.4 feet east of a 12-inch apple tree, and 300 feet northwest of barn. A standard USC&GS tablet set in top of precast concrete post and stamped "Y 132 1935".

Reference Mark 1: 39.3 feet S 48° E to intersection of branch and Gilbert Branch Road.

Reference Mark 2: 65.4 feet Due West to 12-inch apple tree.

ELEVATION: 2293.598 feet or 699.090 meters (T-2)

Z 57 (USC&GS, 1934; Madison County, N. C.)

Located 17.5 miles north along State Highway 209 from Lake Junaluska, Haywood County, about 1 mile north of Doggett Gap, at the south end of an S-curve, in a woods, across the highway to the east from a large spring, about 11 yards east of the centerline of the highway, about 4 yards south of an 18-inch yellow poplar tree, and about 3 yards north of a 12-inch locust tree. The woods around monument have been cut and only stumps remain for local references. A standard USC&GS bronze tablet set in top of concrete post and stamped "Z 57 1934".

ELEVATION: 3515.121 feet or 1071.411 meters (C-2)

Z 132 (USC&GS, 1935; Madison County, N. C.)

Located 18.0 miles southwest of Marshall, on property of George Clark, 30 feet west of Gilbert Branch Road, 23 feet west of Gilbert Branch, 3.2 feet east of barn, 36.2 feet south of a shed, 250 feet south of George Clark's house, opposite a trail up a hollow, and 22 feet south of old road leading to Clark's house. A standard USC&GS tablet set in top of precast concrete post and stamped "Z 132 1935".

Reference Mark 1: 3.2 feet N 74° W to southeast corner of barn.

Reference Mark 2: 36.2 feet N 20° E to southeast corner of shed.

ELEVATION: 2392.476 feet or 729.228 meters (T-2)