

TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
MAPS AND SURVEYS BRANCH

SURVEY CONTROL DATA
WAYNESVILLE, NORTH CAROLINA
QUADRANGLE 184

BULLETIN TVA-MS-184-C

CHATTANOOGA, TENNESSEE
MARCH 1951

SURVEY CONTROL DATA IN QUADRANGLE 184

2638 A (USGS, 1896; Haywood County, North Carolina)

Located at Waynesville, about 135 feet north of the Southern Railway station, and about 40 feet east of the main track. A standard tablet stamped "2638 A" and riveted on the top of a 3-1/4 inch iron pipe.

Note: It was reported in November 1934 that this bench mark was covered by a fill, but access to the mark is available through a 6-inch cast iron pipe.

ELEVATION: 2637.478 feet or 803.905 meters (C-2)

3278 A (USGS, 1896; Transylvania County, North Carolina)

Located about 2.5 miles southeast of Pigeon Gap, near south fork of Mills River, at the Pink Beds directly in front of Sorrel's house, in fence corner north of road. Iron post stamped "3278 A".

ELEVATION: 3280.453 feet or 999.884 meters (T-2)*

AKW 148 (TVA, 1939; Haywood County, North Carolina)

Located 12.8 miles southwest of post office at Canton, 12.8 miles southeast of courthouse at Waynesville, on G. H. Massie's property, 6.3 miles southwest of Bethel School, 1.3 miles south of Cecil School, 0.6 miles south of Lake Logan Dam, on east side of lake, 19 feet east of center line of road, 21 feet south of trail up hollow to east, 13 feet south of corner of barb and woven wire fence, 1.5 feet east of barb wire fence, 16 feet south of south end of 15-inch metal culvert at intersection of side road, 130 feet south of G. H. Massie's residence, 13 feet south of 15-inch apple tree. A standard tablet stamped "AKW 148 1940" and set in concrete monument.

Reference Mark 1: 4.7 feet N 40° W to 3-inch spruce tree outside of fence.

Reference Mark 2: 10.8 feet S 25° E to 4-inch spruce pine tree.

Reference Mark 3: 20.0 feet S 45° W to 4-inch spruce pine tree outside of fence.

ELEVATION: 2917.251 feet or 889.180 meters (T-2)

AKW 149 (TVA, 1939; Haywood County, North Carolina)

Located 11.5 miles southwest of post office at Canton, 11.5 miles southeast of courthouse at Waynesville, via U. S. Highway 276 and Lake Logan Road, on A. N. Hightower's property, 5 miles southwest of Bethel School, 0.8 miles southeast of Cecil School on left bank of West Fork Pigeon River, 300 feet northwest of confluence of Little East Fork into West Fork Pigeon River, on west side of county road, 39 feet from center line of road, 101 feet west of west end of northwest guard wall to bridge, 17.5 feet south of 6-inch dogwood tree, just northwest of road up left bank of river. A standard tablet stamped "AKW 149 1940" and set in concrete monument.

Reference Mark 1: 7.3 feet N 25° E to 18-inch black locust tree.

Reference Mark 2: 5.5 feet S 60° W to 15-inch Spanish oak tree.

Reference Mark 3: 5.4 feet S 55° E to 12-inch maple tree.

ELEVATION: 2838.397 feet or 865.145 meters (T-2)

AKW 165 (TVA, 1940; Haywood County, North Carolina)

Located 5 miles southwest of Woodrow, on Queen Creek, about 1 mile above its mouth. To reach from Bethel, drive south on road up West Fork Pigeon River 6.0 miles to mouth of Little East Fork, turn right and continue up West Fork 2.6 miles to mouth of Queen Creek, which is 1.0 miles beyond store at Burnett Siding, turn right on old skid road (impassable to truck) 0.8 miles to fork in creek at upper end of old clearing, follow nose of ridge (no trail) 500 feet to logging railroad grade (abandoned). Station is nearly in center of old grade 60 feet north of center of curve around nose of ridge. Several stones were piled around the angle iron. A 1- by 1-inch angle iron stamped "AKW 165 1950" and driven flush with the ground.

Reference Mark 1: 39.35 feet S 73° E to nail and washer in 8-inch locust.

Reference Mark 2: 31.50 feet S 10° E to nail and washer in 5-inch birch by a 36-inch dead chestnut stump.

Reference Mark 3: 22.80 feet S 51° W to nail and washer in 6-inch broken elm on bank.

GRID POSITION (N. C.): X = 820,961.4; Y = 616,945.2 (T-4)

ELEVATION: 3993 feet (T-5)

AKW 166 (TVA, 1940; Haywood County, North Carolina)

Located 2.4 miles northeast of Cruso on property of E. E. Mease, at the foot of a lone 20-inch locust on fence line, and on center line of ridge at highest point. To reach from Cruso, cross East Fork Pigeon River on steel pony truss bridge to right bank, then turn downstream 0.3 miles to church house (abandoned), turn right up Pisgah Creek 0.9 miles to fork in creek, 500 feet north of A. Y. H. house, then bear left on Chinquapin Branch road 0.9 miles to fork, bear right 0.1 miles to fork, then continue dead ahead 0.2 miles to house of E. E. Mease, apple grower, take trail through yard and up through field 1000 feet to a log barn, then continue up nose of ridge and on winding skid trail 1500 feet to a gap, turn right in gap 800 feet along ridge to station. A 1- by 1-inch angle iron stamped "AKW 166 1940" and 0.3 feet above ground.

Reference Mark 1: 3.0 feet S 75° W to nail and washer in root.

Reference Mark 2: 2.5 feet N 75° W to nail and washer in root.

Reference Mark 3: 0.6 feet N 30° E to nail and washer in 20-inch locust.

GRID POSITION (N. C.): X = 873,784.6; Y = 636,172.2 (T-4)

ELEVATION: 4198 feet (T-5)

AKW 167 (TVA, 1940; Haywood County, North Carolina)

Located 2.0 miles northeast of Cruso, at the foot of a lone 20-inch apple tree, in the northernmost of two in a field 100 feet west of Chinquapin Branch road, at gap 700 feet north of dwelling of I. B. Pless, on property of I. B. Pless. To reach from Cruso, cross East Fork Pigeon River on steel pony truss bridge to right bank and turn downstream 0.3 miles to abandoned church, turn right up Pisgah Creek 0.9 miles to fork of roads in center line of creek about 500 feet north of A. Y. H. house, bear left 1.2 miles to gap, thence turn left through field 100 feet to station. A 1- by 1-inch angle iron stamped "AKW 167 1940" and driven flush with ground.

Reference Mark 1: 0.9 feet N 10° W to 20-inch apple tree.

Reference Mark 2: 52.0 feet S 20° W to 20-inch apple tree.

GRID POSITION (N. C.): X = 870,201.1; Y = 637,814.5 (T-4)

ELEVATION: 3500 feet (T-5)

AKW 168 (TVA, 1940; Haywood-Buncombe Counties, North Carolina)

Located 4-1/2 miles southeast of Canton. To reach from Canton Post Office, drive south one block to a traffic light, continue straight ahead on

Academy Street for 0.2 miles to a fork, bear right 0.1 miles to fork, bear left 0.3 miles to fork, bear left 2.1 miles to fork 0.7 miles beyond a brick church on left, turn right on Dutch Cove Road 1.3 miles to home of Elvert Mease, one-story frame brown house on left, with green roof, turn left on lane 0.25 miles to two-story frame house of John D. Smathers, pass through yard north of house to orchard in rear and continue on field road, swinging south 0.3 miles to nose of ridge (cleared), end of truck travel, follow old skid road and trail along south side of ridge to old pasture field, then cut back left through field to fence line on center line of ridge, follow fence line and ridge line through laurel patch to top of main ridge, then turn right about 200 feet to highest point and station. A 1- by 1-inch angle iron stamped "AKW 168 1940", piled around with small rocks, on center line of ridge and between two rock piles in a corn field.

GRID POSITION (N. C.): X = 871,630.5; Y = 653,735.6 (T-4)

ELEVATION: 4160 feet (T-5)

AKW 169 (TVA, 1940; Haywood-Transylvania Counties, North Carolina)

Located about 8 miles northwest of Brevard, 0.3 miles east of Fork River Bald. To reach from Wagon Road Gap, which is on U. S. Highway 276, about midway between Brevard and Waynesville, drive west along Blue Ridge Parkway 5.0 miles to end (1940), continue via foot trail 2.0 miles (50 minutes steady walk) to a grassy spot on the edge of steep escarpment to south 1500 feet west of a spring at edge of trail, continue along trail 500 feet to large group of balsams, near east edge of said balsam, on edge of escarpment, 100 feet south of trail. A chiseled cross in rock outcrop in center line of ridge.

Reference Mark 1: 22.1 feet N 27° W to nail and washer in 24-inch oak.

Reference Mark 2: 8.7 feet N 73° W to nail and washer in 6-inch oak.

Reference Mark 3: 4.65 feet N 83° E to nail and washer in 2-inch rhododendron bush.

GRID POSITION (N. C.): X = 850,566.9; Y = 592,505.2 (T-4)

ELEVATION: 5333 feet (T-5)

AKW 170 (TVA, 1940; Haywood County, North Carolina)

Located 7.5 miles southeast of Waynesville, 6-1/2 miles south of Canton, on center line of a bare ridge, 250 feet southeast of Dix Creek road. To reach from Canton, drive south on State Highway 110 for 5 miles to Silver Bluff, continue straight ahead on gravel road 1.5 miles to U. S. Highway 276, cross highway and continue 0.4 miles to fork, turn right over steel bridge and drive 1.3 miles on Dix Creek road to a curve right. Station is on nose of bare ridge on extension of last road tangent, about 300 feet from P. C., 75 feet south of lone 12-inch locust. A 1- by 1-inch angle iron stamped "AKW 170 1940".

Reference Mark 1: 0.55 feet N 59° W to nail and copper washer in 12-inch locust stump.

Reference Mark 2: 32.60 feet N 08° W to nail and copper washer in burned triple stump.

Reference Mark 3: 48.20 feet S 80° E to nail and copper washer in 12-inch hickory stump.

GRID POSITION (N. C.): X = 846,847.1; Y = 636,843.3 (T-4)

ELEVATION: 3295 feet (T-5)

AKW 173 (TVA, 1940; Haywood County, North Carolina)

Located 10 miles southeast of Waynesville on Shining Rock ledge, 3/4 miles north of Shining Rock Mountain, about 2 feet west of trail along ridge. To reach from Cruso, at stone school building, drive south on U. S. Highway 276 for 1.7 miles to Crawford Creek, turn right on Crawford Creek road about 3 miles to end, continue walking about 0.4 miles to National Forest Boundary, turn right through field and past old house to trail up hollow about 500 feet north of house, thence follow trail 1 mile to top of ridge, turn left along top of ridge 1/2 mile to station, which is at south edge of group of evergreens and 500 feet north of first rocky high point (triangulation station WAYNESVILLE 2), 3/4 mile north of Shining Rock Mountain. A 1- by 1-inch angle iron stamped "AKW 173 1940" and set 0.5 feet above ground.

Reference Mark 1: 15.1 feet N 37° E to nail and washer in 3-inch chestnut.

Reference Mark 2: 28.4 feet S 52° W to nail and washer in 10-inch balsam.

Reference Mark 3: 12.7 feet N 29° W to nail and washer in 14-inch oak.

GRID POSITION (N. C.): X = 846,869.8; Y = 614,447.3 (T-4)

ELEVATION: 5868 feet (T-5)

AKW 174 (TVA, 1940; Haywood County, North Carolina)

Located 11 miles southeast of Waynesville, on the east side of Shining Rock Mountain. To reach from Cruso at stone school building, drive south 1.7 miles to Crawford Creek, turn right on Crawford Creek road 3 miles to end, then continue on trail 2 miles to gap, turn right in gap 0.2 miles on narrow trail to station, which is 75 feet left of trail, on east side of two balsams, which are 150 feet or more from any others in vicinity, 500 feet east of highest point on Shining Rock Mountain. A nail and copper washer in root of a lone balsam.

Reference Mark 1: 3.64 feet S 31° W to 12-inch balsam.

Reference Mark 2: 3.33 feet S 87° W to 5-inch balsam snag.

GRID POSITION (N. C.): X = 849,024.9; Y = 610,992.1 (T-4)

ELEVATION: 5940 feet (T-5)

AKW 176 (TVA, 1941; Haywood County, North Carolina)

Located 12 miles south of Waynesville. To reach from Bethel High School, drive south on Lake Logan-Beech Gap road 16 miles to intersection with Blue Ridge Parkway in Beech Gap, end of truck travel, take trail west and south along ridge, passing north of Tennessee Bald, then turning north along ridge passing west of Herrin Knob to highest point on Black Mountain, continue north along ridge (no trail) 1/2 mile to a spur ridge west. Station is on this spur ridge 500 feet west of main ridge and at west end of level top of spur ridge and 40 feet north of center line of spur ridge. A nail in dead 12-inch snag.

Reference Mark 1: 18.15 feet N 60° E to nail in 3-inch birch.

Reference Mark 2: 38.2 feet S 23° W to nail in 24-inch dead stump.

Reference Mark 3: 29.1 feet N 33° W to high point on sharp rock.

GRID POSITION (N. C.): X = 828,684.9; Y = 591,427.6 (T-4)

ELEVATION: 5811 feet (T-5)

AKW 178 (TVA, 1941; Transylvania County, North Carolina)

Located about 6 miles northwest of Brevard. To reach from intersection of U. S. Highway 276 and State Highway 280 at Pisgah Forest arch entrance,

* Unchecked elevation.

5.2 miles on U. S. Highway 276 to Y-intersection, go left on Gloucester road 1.6 miles to Gumstand road intersection, go right on Gumstand road 7 miles to point where telephone line crosses road. Station is at left side road. A 1- by 1-inch angle iron stamped "TVA AKW 178".

Reference Mark 1: 13.1 feet West to nail and washer in 20-inch hickory.

Reference Mark 2: 12.3 feet South to nail and washer in 6-inch oak.

Reference Mark 3: 37.4 feet S 45° E to nail and washer in telephone pole.

Note: Searched for but not recovered, May, 1945. May be covered by road.

GRID POSITION (N. C.): X = 865,914.7; Y = 588,479.3; (T-4)

ELEVATION: 2999 feet (T-5)

AKW 181 (TVA, 1941; Transylvania County, North Carolina)

Located 6 miles northwest of Brevard, on edge of rock cliff on north side of Looking Glass Rock Mountain. To reach from intersection of State Highway 280 and U. S. Highway 276, 3 miles northeast of Brevard, drive north on U. S. Highway 276 for 5.2 miles to a fork, bear left through Forest Service gate on gravel road 0.4 miles to Looking Glass trail on right, end of truck travel, go north on graded trail about 1.5 miles (one hour walk) to top of Looking Glass Rock Mountain, continue on trail 300 feet to station. A nail in root in center of trail.

Reference Mark 1: 4.5 feet N 20° W to 10-inch pine.

Reference Mark 2: 14.2 feet S 35° E to 8-inch pine.

Reference Mark 3: 20.3 feet S 30° W to 3-inch pine.

GRID POSITION (N. C.): X = 868,054.5; Y = 587,277.8 (T-4)

ELEVATION: 3888 feet (T-5)

AKW 200 (TVA, 1939; Haywood County, North Carolina)

Located 8.3 miles southeast of courthouse at Waynesville, 6.2 miles northwest of post office at Cruso, on U. S. Highway 276 right-of-way, 1.7 miles east of Bethel School, 1.4 miles southeast of Silver Bluff, 30 feet north of highway, 140 feet east of northeast corner of concrete bridge over East Fork Pigeon River, 38 feet east of center line of county road, 71 feet east of "Cruso Mutual Electric" sign, 3.5 feet northwest of highway right-of-way notice, 58 feet east of yellow "Stop" sign, 69.5 feet southwest of 6-inch one peach tree. A standard tablet stamped "AKW 200 1940" and set in concrete monument.

Reference Mark 1: 83.0 feet Due South to 12-inch sycamore tree.

Reference Mark 2: 15.2 feet N 85° E to 24-inch white oak tree.

Reference Mark 3: 55.5 feet Due North to 20-inch red oak tree.

ELEVATION: 2707.094 feet or 825.124 meters (T-2)

AKW 201 (TVA, 1939; Haywood County, North Carolina)

Located 9.3 miles southeast of courthouse at Waynesville, 5.1 miles northwest of post office at Cruso, on U. S. Highway 276, 2.7 miles east of Bethel School, 2.4 miles southeast of Silver Bluff, 36 feet north of center line of highway, 30 feet south of old road, 100 feet northwest of Y-intersection of road, 43 feet west of gate across road, about 75 feet northeast of 20-inch sycamore tree across highway on river bank, 50 feet south of 20-inch maple tree. A standard tablet stamped "AKW 201 1940" and set in concrete monument.

Reference Mark 1: 28.0 feet N 35° W to 10-inch willow tree.

Reference Mark 2: 71.1 feet Due North to power pole.

Reference Mark 3: 68.0 feet S 45° E to yellow "Stop" sign in "Y".

ELEVATION: 2724.867 feet or 830.541 meters (T-2)

AKW 202 (TVA, 1939; Haywood County, North Carolina)

Located 10.4 miles southeast of courthouse at Waynesville, 4.2 miles northwest of post office at Cruso, on U. S. Highway 276, 4.1 miles northwest of Cruso School, 3.9 miles southeast of Bethel School, 1000 feet north of one and one-half story frame house painted white, set flush and horizontally on south abutment downstream side of concrete bridge (East Fork Pigeon River bridge), 1.5 feet west of top of southeast wingwall, 2 feet east of guard wall, 4 feet north of southeast end of east guard wall, on right bank of East Fork Pigeon River. A standard tablet stamped "AKW 202 1940".

Reference Mark 1: 65.0 feet N 75° E to 12-inch birch tree.

Reference Mark 2: 45.3 feet S 50° E to 18-inch white walnut tree.

Reference Mark 3: 79.0 feet S 10° W to 14-inch poplar tree.

ELEVATION: 2763.203 feet or 842.226 meters (T-2)

AKW 203 (TVA, 1939; Haywood County, North Carolina)

Located 11.5 miles southeast of courthouse in Waynesville, 3.1 miles northwest of post office at Cruso, on U. S. Highway 276, on edge of highway right-of-way, 3 miles northwest of Cruso School, 4.8 miles southeast of Bethel School on south side of highway, 28 feet from center line of highway, 1.5 feet north of barb wire fence, 11.5 feet east of east gate post, 200 feet south of 1-1/2 story frame house painted white, 200 feet southwest of lone mail box, 19.5 feet east of center line of field road. A standard tablet stamped "AKW 203 1940" and set in concrete monument.

Reference Mark 1: 12.6 feet N 85° E to 5-inch willow tree.

Reference Mark 2: 10.2 feet S 45° W to 10-inch poplar tree near gate.

Reference Mark 3: 63.0 feet N 20° W to 8-inch poplar tree across highway.

ELEVATION: 2796.723 feet or 852.443 meters (T-2)

AKW 204 (TVA, 1939; Haywood County, North Carolina)

Located 12.6 miles southeast of courthouse at Waynesville, 2.0 miles north of post office at Cruso, on U. S. Highway 276, on edge of highway right-of-way, 1.9 miles north of Cruso School, 0.4 miles north of Quinn Cemetery, 155 feet south of entrance to Springdale School and High Valley Camp, on east side of highway, 24 feet from center line of highway, 85 feet south of east end of concrete bridge, 200 feet southeast of east end of swinging bridge across river, 1.5 feet west of plank fence, 96 feet north of gate to stock pen, 400 feet west of large barn painted brown. A standard tablet stamped "AKW 204 1940" and set in concrete monument.

Reference Mark 1: 70.5 feet S 10° W to 48-inch sugar maple tree.

Reference Mark 2: 63.2 feet N 55° E to 60-inch sycamore tree.

Reference Mark 3: 65.5 feet N 85° W to 5-inch double locust tree.

ELEVATION: 2834.299 feet or 863.896 meters (T-2)

AKW 205 (TVA, 1939; Haywood County, North Carolina)

Located 13.8 miles southeast of courthouse at Waynesville, 0.8 miles north of post office at Cruso, on U. S. Highway 276, on property of Riley

Pless, 0.7 miles north of Cruso School, 0.8 miles south of Quinn Cemetery, on west side of highway, 68 feet from center line of highway, in south edge of yard, 43.3 feet east of southeast corner of two-story frame residence of Riley Pless, 46.5 feet southeast of concrete steps to house, just west of power line, 1 foot north of woven wire fence, 32.5 feet east of 10-inch balsam tree, in front of house, 60 feet south of 15-inch apple tree. A standard tablet stamped "AKW 205 1940" and set in concrete monument.

Reference Mark 1: 10.0 feet N 70° E to power pole.

Reference Mark 2: 25.0 feet S 65° W to 30-inch spruce pine tree.

Reference Mark 3: 51.0 feet N 50° W to 5-inch holly tree.

ELEVATION: 2889.938 feet or 880.855 meters (T-2)

AKW 206 (TVA, 1939; Haywood County, North Carolina)

Located 14.8 miles southeast of courthouse at Waynesville, 0.2 miles south of post office at Cruso, on U. S. Highway 276, on H. N. Trull's property, 0.3 miles south of Cruso School, 0.4 miles northwest of East Fork Baptist Church, on west side of road, 55 feet from center line of road, in yard, 17 feet south of southeast corner of two-story frame residence of H. N. Trull, 17 feet south of corner of porch, 38 feet north of large rock boulder, 12 feet east of shrubbery. A standard tablet stamped "AKW 206 1940" and set in concrete monument.

Reference Mark 1: 31.5 feet S 80° W to 12-inch forked apple tree.

Reference Mark 2: 23.3 feet S 40° W to 8-inch cherry tree.

Reference Mark 3: 18.0 feet N 75° E to 4-inch cherry tree.

ELEVATION: 2951.261 feet or 899.546 meters (T-2)

AKW 207 (TVA, 1939; Haywood County, North Carolina)

Located 16.1 miles southeast of courthouse at Waynesville, 1.5 miles south of post office at Cruso, on U. S. Highway 276, on Neville Powell's property, 1.6 miles south of Cruso School, 0.9 miles south of East Fork Baptist Church, on west side of highway, 35 feet from center line of highway, 13.8 feet north of the northeast corner of one-story frame house painted green (Camp Easy), 6.3 feet west of 6-inch white pine tree, 105 feet southeast of yellow road sign, about 140 feet southeast of power pole. A standard tablet stamped "AKW 207 1940" and set in concrete monument.

Reference Mark 1: 31.4 feet N 55° W to 5-inch forked black locust tree.

Reference Mark 2: 8.0 feet S 05° W to 5-inch spruce pine tree.

Reference Mark 3: 19.1 feet N 55° E to 3-inch triple forked spruce pine trees.

ELEVATION: 3028.649 feet or 923.134 meters (T-2)

AKW 208 (TVA, 1939; Haywood County, North Carolina)

Located 17.2 miles southeast of courthouse at Waynesville, 2.6 miles south of post office at Cruso, on U. S. Highway 276, on property of M. L. Burress, 2.7 miles south of Cruso School, 2 miles south of East Fork Baptist Church, on east side of highway, 35 feet from center line of highway, in yard 26 feet west of northwest corner of M. L. Burress' residence, 7.5 feet west of 4-inch white pine tree, 8 feet north of small spruce pine bush, 30 feet north of walkway to house, 21.8 feet north of 3-inch umbrella tree. A standard tablet stamped "AKW 208 1940" and set in concrete monument.

Reference Mark 1: 25.0 feet N 15° W to 3-inch apple tree.

Reference Mark 2: 34.0 feet N 35° E to 14-inch apple tree.

Reference Mark 3: 16.6 feet S 65° E to 15-inch forked cherry tree.

ELEVATION: 3171.365 feet or 966.634 meters (T-2)

AKW 209 (TVA, 1939; Haywood County, North Carolina)

Located 18.3 miles southeast of courthouse at Waynesville, 3.7 miles south of post office at Cruso, on U. S. Highway 276, on edge of highway right-of-way, 3.8 miles south of Cruso School, 3.1 miles south of East Fork Baptist Church, 200 feet south of Y-road intersection to southeast, on west side of highway, 31 feet from center line of highway, 500 feet west of wood bridge across river, 21 feet west of ditch line, 50 feet northwest of drain under highway, set on north side of small hollow near abandoned sand pit, about 125 feet northeast of 40-inch forked poplar tree up hollow. A standard tablet stamped "AKW 209 1940" and set in concrete monument.

Reference Mark 1: 36.0 feet N 45° W to 6-inch Spanish oak tree on top of bank.

Reference Mark 2: 50.5 feet S 75° W to 18-inch poplar tree, blazed.

Reference Mark 3: 48.5 feet S 35° W to 8-inch poplar tree, blazed.

Report on Condition (TVA, October, 1941); Recovered as described in poor condition. Concrete monument has been chipped and apparently pushed out of its original position by trucks using area for turning around while surfacing highway.

ELEVATION: 3279.127 feet or 999.480 meters (T-2)

AKW 210 (TVA, 1939; Haywood County, North Carolina)

Located 19.6 miles southeast of courthouse in Waynesville, 5.0 miles south of post office at Cruso, on U. S. Highway 276, 3.0 miles west of Wagon Road Gap, 5.1 miles south of Cruso School, on right bank of East Fork Pigeon River, on east abutment upstream side of bridge, 6.0 feet south of east end of south guard rail 2.8 feet north of top of southeast wingwall, about 500 feet northeast of Forest Rangers' residence, just east and above old logging rail road, under bridge, 25 feet northwest of "Game Refuge" sign, 25.4 feet south of "East Fork Pigeon River" sign post. A standard tablet stamped "AKW 210 1940" and set horizontally on concrete abutment of bridge.

ELEVATION: 3383.697 feet or 1031.353 meters (T-2)

AKW 211 (TVA, 1939; Haywood County, North Carolina)

Located 20.4 miles southeast of courthouse at Waynesville, 6.0 miles south of post office at Cruso, on U. S. Highway 276, in Pisgah National Forest, 6.3 miles south of Cruso School, 5.3 miles south of East Fork Baptist Church, 2 miles west of Wagon Road Gap, 1 mile northeast of steel bridge over East Fork Pigeon River, on northwest side of highway outside of sharp curve, on top of bank of 15 foot earth cut on each side of road, 6 feet northwest of top of bank, about 100 feet west of east end of 18-inch metal culvert, 12 feet southeast of 36-inch oak stump. A standard tablet stamped "AKW 211 1940" and set in concrete monument.

Reference Mark 1: 10.6 feet S 70° E to 4-inch hickory tree, blazed.

Reference Mark 2: 22.8 feet N 60° W to 10-inch hickory tree, blazed.

Reference Mark 3: 11.1 feet S 30° W to 5-inch maple tree, blazed.

ELEVATION: 3775.898 feet or 1150.896 meters (T-2)

AKW 212 (TVA, 1939; Haywood County, North Carolina)

Located 21.13 miles southeast of courthouse at Waynesville, 6.65 miles south of U. S. Post Office at Cruso, in Pisgah National Forest, 6.7 miles

South of Cruso School, 1.2 miles southwest of Wagon Road Gap, 6 miles south of East Fork Baptist Church on southwest side of highway, 24 feet from center line of highway, 38 feet southeast of south end of 18-inch metal culvert, about 50 feet northwest of 20-foot rock at point of curve, 8.5 feet southwest of ditch line, about 50 feet west of 12-inch spruce pine tree on bank. A standard tablet stamped "AKW 212 1940" and set in concrete monument.

Reference Mark 1: 40.5 feet S 60° W to 15-inch birch tree, blazed.
Reference Mark 2: 42.0 feet S 15° W to 30-inch linden tree, blazed.
Reference Mark 3: 22.0 feet S 65° E to 36-inch linden tree, blazed.

Note: Searched for but not recovered, June, 1945.
ELEVATION: 4049.631 feet or 1234.330 meters (T-2)

AKW 213 (TVA, 1939; Jackson County, North Carolina)

Located 10.2 miles southeast of post office in Argura, 18.4 miles east of post office in Tuckasegee, on Cathey Gap road, on property of Black Wood Lumber Company, 0.4 miles northwest of Cathey Gap, 3.1 miles west of Pinhook Gap, on east side of road, 42 feet from center line of road, 118 feet southwest of southwest corner of Charley Creek School and church house, 88 feet west of south end of low rock wall around school yard, 102 feet north of 30-inch forked black oak tree between road and branch, 97 feet west of 15-inch maple in front yard of school, 150 feet north of small spring. A standard tablet stamped "AKW 213 1940" and set in concrete post.

Reference Mark 1: 26.0 feet S 35° W to 30-inch white oak.
Reference Mark 2: 12.2 feet S 30° E to 36-inch Spanish oak tree.
Reference Mark 3: 98.8 feet N 80° W to 12-inch hickory tree.

Report on Condition (TVA, July, 1945); Recovered in described location. Monument has been broken off at surface of ground and tablet removed.
ELEVATION: 3878.913 feet or 1182.295 meters (T-2)

AKW 214 (TVA, 1939; Jackson County, North Carolina)

Located 11.2 miles east of post office in Argura, 18.1 miles northwest of post office in Rosman, on Cathey Gap road, on property of Black Wood Lumber Company, 7.5 miles northwest of Shoal Creek School, 2.0 miles west of Pinhook Gap, on right bank of Tennessee Creek, 130 feet west of ford at creek on north side of road, 17 feet from center line of road, 1.5 feet south of pole-plank fence, 83.5 feet west of plank gate, 39.5 feet northwest of small pole gate across road, 300 feet northwest of one-story frame house occupied by Eugene Hoxit, 42 feet north of fence corner across road, 129 feet west of foot log across Tennessee Creek. A standard tablet stamped "AKW 214 1940" and set in concrete post.

Reference Mark 1: 129.0 feet S 60° E to 12-inch maple tree at end of foot log.
Reference Mark 2: 102.0 feet S 35° W to 30-inch buckeye tree.
Reference Mark 3: 100.0 feet N 65° W to 18-inch white oak tree.

Note: Searched for but not recovered, August, 1945.
ELEVATION: 3699.999 feet or 1127.762 meters (T-2)

AKW 215 (TVA, 1939; Jackson County, North Carolina)

Located 17.0 miles northwest of U. S. Post Office in Rosman, by way of Tennessee Bald road, 6.7 miles northwest of U. S. Post Office in Balsam Grove by way of Tennessee Bald road, on road between Pinhook Gap and Cathey Gap, on Harley McCall's property, 6.5 miles northwest of Shoal Creek School, 1.0 miles west of Pinhook Gap, 2.0 miles east of Charley Creek School, on north side of road, north of corner post of woven wire fence, 2.5 feet west of fence line north of north end of paling fence across road, 100 feet west of Harley McCall's one-story frame house, 9.5 feet north of path. A standard tablet stamped "AKW 215 1940" and set in concrete post.

Reference Mark 1: 88.5 feet N 15° E to 4-inch apple tree.
Reference Mark 2: 88.0 feet Due West to 24-inch maple tree.
Reference Mark 3: 6.6 feet S 30° E to corner fence post.

ELEVATION: 3951.318 feet or 1204.364 meters (T-2)

AKW 216 (TVA, 1939; Transylvania-Jackson Counties, North Carolina)

Located 16.0 miles northwest of U. S. Post Office in Rosman, by way of U. S. Highway 64, Gloucester Gap road and Tennessee Bald road, at Pinhook Gap, on Tennessee Bald road, in Pisgah National Forest, 14.7 miles northwest of intersection of Gloucester Gap road with U. S. Highway 64, 5.5 miles northwest of Shoal Creek School, on south side of road, 26 feet south of top of cut in gap, just east of Forest Service telephone line at splice in line, on east drainage side of gap, 68 feet southeast of 36-inch black oak stump in gap, 22 feet south of 24-inch chestnut stump on top of road cut, set flush. A standard tablet stamped "AKW 216 1940" and set horizontally in rock outcrop.

Reference Mark 1: 20.1 feet Due South to 18-inch hickory tree.
Reference Mark 2: 16.3 feet S 30° W to 10-inch hickory tree.
Reference Mark 3: 79.0 feet N 25° E to 30-inch black tree across road.

ELEVATION: 4174.706 feet or 1272.453 meters (T-2)

AKW 217 (TVA, 1939; Transylvania County, North Carolina)

Located 14.9 miles northwest of U. S. Post Office in Rosman, by way of U. S. Highway 64, Gloucester Gap road, on Tennessee Bald road, in Pisgah National Forest, 13.6 miles northwest of intersection of Gloucester Gap road with U. S. Highway 64, 3.4 miles northwest of Shoal Creek School, on north side of road, 31 feet from center line of road, 14.7 feet south of large surface boulder, 16.3 feet southeast of 36-inch chestnut stump, with laurel bush in top, 60 feet west of north end of 20-inch metal culvert. A standard tablet stamped "AKW 217 1940" and set in concrete post.

Reference Mark 1: 76.2 feet S 80° W to 30-inch wild cherry tree.
Reference Mark 2: 80.0 feet N 80° E to 12-inch spruce pine tree.
Reference Mark 3: 33.0 feet N 20° E to 6-inch triple hickory trees.

ELEVATION: 3741.941 feet or 1140.546 meters (T-2)

AKW 218 (TVA, 1939; Transylvania County, North Carolina)

Located 13.7 miles northwest of U. S. Post Office in Rosman, by way of U. S. Highway 64, Gloucester Gap road, on Tennessee Bald road, in Pisgah National Forest, 12.4 miles northwest of intersection of Gloucester Gap road with U. S. Highway 64, 3.2 miles northwest of Shoal Creek School, on east abutment top of north wingwall of concrete bridge over Beetree Fork Creek, 0.5 feet north of east end of north headwall, 5 feet west of laurel bush on edge of fill, 60 feet west of T-road up left bank of creek. A standard tablet stamped "AKW 218 1940" and set horizontally in concrete bridge.

Reference Mark 1: 45.2 feet N 45° E to 4-inch spruce pine.
Reference Mark 2: 29.4 feet N 30° W to 6-inch forked willow tree.
Reference Mark 3: 11.5 feet S 40° E to center line of bridge.

ELEVATION: 3266.844 feet or 995.736 meters (T-2)

AKW 221 (TVA, 1939; Transylvania County, North Carolina)

Located 14.1 miles northwest of U. S. Post Office in Rosman, by way of U. S. Highway 64, Gloucester Gap road, Tennessee Bald road and Courthouse road, 3.8 miles northwest of U. S. Post Office in Balsam Grove, by way of Gloucester Gap road and Tennessee Bald road on Courthouse road, in Pisgah National Forest, 12.8 miles northwest of intersection of Gloucester Gap road with U. S. Highway 64, 3.6 miles northwest of Shoal Creek School, 1.7 miles north of intersection of Courthouse road with Tennessee Bald road on right bank of North Fork French Broad River, west side road, 27.1 feet west of west end of south culvert of four 40-inch metal culverts, 32.4 feet northwest of south end of west headwall of culverts, 65 feet south of confluence of Courthouse Creek into river, at toe of 24-foot bluff, approximately 250 feet due west of bare rock across and downstream, 30 feet due north of 12-inch spruce pine tree on edge of bluff, 8 feet southwest of water's edge, 1 foot northeast of 12-inch vertical ledge, 5.8 feet northeast of 3-inch water birch tree. A standard tablet stamped "AKW 221 1941" and set horizontally in rock outcrop.

ELEVATION: 3188.606 feet or 971.889 meters (T-2)

AKW 222 (TVA, 1939; Transylvania County, North Carolina)

Located 15.0 miles northwest of U. S. Post Office in Rosman, by way of U. S. Highway 64, Gloucester Gap road, Tennessee Bald road and Courthouse road, 4.7 miles northwest of U. S. Post Office in Balsam Grove, by way of Gloucester Gap road, Tennessee Bald road, on Courthouse road, in Pisgah National Forest, 13.7 miles northwest of intersection of Gloucester Gap road with U. S. Highway 64, 4.5 miles northwest of Shoal Creek School, 2.6 miles north of intersection of Courthouse road with Tennessee Bald road, on south side of Courthouse road, 95 feet from center line of road, at south point of small level parking area on ridge, in edge of woods, 0.35 miles southwest of sharp hairpin curve on Kiese Creek. A standard tablet stamped "AKW 222 1941" and set in concrete post.

Reference Mark 1: 11.3 feet N 45° E to 8-inch white oak tree.
Reference Mark 2: 13.0 feet S 60° W to 8-inch double Spanish oak trees.

Reference Mark 3: 32.4 feet S 45° E to 15-inch black oak tree.

ELEVATION: 3504.166 feet or 1068.072 meters (T-2)

AKW 223 (TVA, 1939; Transylvania County, North Carolina)

Located 15.8 miles northwest of U. S. Post Office in Rosman, by way of U. S. Highway 64, Gloucester Gap road, and Courthouse road, 5.5 miles northwest of U. S. Post Office in Balsam Grove, by way of Gloucester Gap road, on Courthouse road, in Pisgah National Forest, 14.5 miles northwest of intersection of Gloucester Gap road with U. S. Highway 64, 5.3 miles northwest of Shoal Creek School, 3.4 miles north of intersection of Courthouse road with Tennessee Bald road, on east side of road, 22 feet from center line of road on right bank of Courthouse Creek, 35 feet from water's edge, at intersection at Farlow Gap Trail with road, 120 feet north of two 20-inch spruce pine trees on each side of road, at mouth of Chestnut Creek. A standard tablet stamped "AKW 223 1941" and set in concrete post.

Reference Mark 1: 23.2 feet N 35° E to 10-inch triple forked maple.
Reference Mark 2: 20.5 feet S 85° E to 10-inch water birch tree on creek bank.

Reference Mark 3: 65.0 feet S 40° W to 10-inch wild cherry tree across road.

ELEVATION: 3449.409 feet or 1051.382 meters (T-2)

AKW 224 (TVA, 1939; Transylvania County, North Carolina)

Located 17.4 miles northwest of Rosman Post Office by way of U. S. Highway 64, Gloucester Gap road, Courthouse road, and Farlow Gap trail, 6.7 miles northwest of Balsam Grove Post Office, by way of Gloucester Gap road, Courthouse road, on Farlow Gap trail, in Pisgah National Forest, northeast of where Farlow Gap trail intersects Courthouse Creek road, southwest of Farlow Gap, on right bank of Kiese Creek, 6 feet west of water's edge, 21 feet north of center line of creek where trail crosses creek, 8.2 feet east of 5-inch poplar tree, on right bank of creek, set horizontally and flush in top of large rock outcrop, 22 feet north of 6-inch ash tree on right bank of creek, north side of trail. A standard tablet stamped "AKW 224 1941".

Reference Mark 1: 16.2 feet Due West to 12-inch forked beech tree, blazed.

Reference Mark 2: 26.6 feet N 20° W to 18-inch forked black locust tree, blazed.

Reference Mark 3: 18.8 feet S 70° E to 6-inch water birch tree across creek.

ELEVATION: 3733.828 feet or 1138.073 meters (T-2)

AKW 225 (TVA, 1939; Transylvania County, North Carolina)

Located 18.2 miles northwest of Brevard Courthouse by way of U. S. Highway 276, Davidson River road, on Farlow Gap trail, 16.2 miles northwest of Pisgah Forest Post Office, in Pisgah National Forest, northeast of where Farlow Gap trail intersects Courthouse Creek road at Farlow Gap, on southeast side of gap, 110 feet southeast of trail through gap, 38 feet southwest of trail along mountain top, 115 feet southeast of 40-inch black oak tree with Nation Game Refuge sign, 11.8 feet north of north end of 10 foot high boulder, 4 feet northeast of 4-inch hazelnut tree. A standard tablet stamped "AKW 225 1941" and set horizontally in rock outcrop, set flush.

Reference Mark 1: 4.0 feet Due South to 20-inch black oak tree.

Reference Mark 2: 20.0 feet S 60° E to 24-inch maple tree.

Reference Mark 3: 13.5 feet N 30° W to 18-inch black locust tree.

ELEVATION: 4558.505 feet or 1389.435 meters (T-2)

AKW 226 (TVA, 1939; Transylvania County, North Carolina)

Located 17.2 miles northwest of Brevard Courthouse, by way of U. S. Highway 276, Davidson River road, on Farlow Gap trail, 15.2 miles northwest of Pisgah Forest Post Office, in Pisgah National Forest, northwest of where Farlow Gap trail intersects Davidson River road above Fish Rearing Station, on right bank of Shuck Ridge Creek, 13.7 feet from center line of creek, 16.5 feet downstream from where trail crosses, 6.5 feet south of boulder at edge of trail, 8.5 feet west of west end of boulder in center line of creek, 32.5 feet north of top of 32-foot waterfall, 7.7 feet north of top of 3-foot vertical wall. A standard tablet stamped "AKW 226 1941" and set horizontally in rock outcrop.

Reference Mark 1: 45.1 feet S 50° E to 20-inch maple tree across creek.

Reference Mark 2: 24.0 feet N 80° W to 14-inch spruce pine tree.

Reference Mark 3: 37.5 feet S 10° W to 5-inch double water birch tree above fall.

ELEVATION: 3569.212 feet or 1087.898 meters (T-2)

AKW 227 (TVA, 1939; Transylvania County, North Carolina)

Located 16.5 miles northwest of Brevard Courthouse, by way of U. S. Highway 276, Davidson River road, on Farlow Gap trail, 14.5 miles northwest of Pisgah Forest, in Pisgah National Forest, northwest of where Farlow Gap trail intersects Davidson River road above Fish Rearing Station on west side of trail, 11 feet from center line of trail, 15 feet west of south end of old log rail road trestle over Daniel Ridge Creek, on right bank of Daniel Ridge Creek, 50 feet south of center line of creek, set in the top of rock outcrop 3 feet above ground, 0.5 feet west of east edge and 5 feet south of north edge of rock outcrop, 1.5 feet west of 5-inch water birch tree. A standard tablet stamped "AKW 227 1941" and set horizontally.

Reference Mark 1: 3.0 feet S 10° E to 4-inch water birch tree.
Reference Mark 2: 16.7 feet N 80° E to 6-inch water birch tree at south end of old trestle.

Reference Mark 3: 15.9 feet N 20° W to 6-inch poplar tree.

ELEVATION: 3825.845 feet or 1166.120 meters (T-2)

AKW 228 (TVA, 1939; Transylvania County, North Carolina)

Located 13.6 miles northwest of U. S. Post Office in Pisgah Forest, 15.6 miles northwest of courthouse in Brevard, by way of U. S. Highway 276, Davidson River road, on Farlow Gap trail, in Pisgah National Forest, northwest of Davidson River Fish Rearing Station on southwest slope of Fork River Ridge on northeast side of Farlow Gap trail, 11 feet from center line of trail and old logging rail road, northwest of where trail crossed Fork River Ridge, approximately 3.5 feet above trail surface. A standard tablet stamped "AKW 228 1941" and set horizontally in rock outcrop.

Reference Mark 1: 5.5 feet N 15° E to group of 6-inch maple trees on bank.

Reference Mark 2: 17.6 feet S 25° E to 8-inch black locust tree (painted BM).

Reference Mark 3: 26.3 feet S 15° W to double 6-inch maple across trail.

ELEVATION: 3597.732 feet or 1096.591 meters (T-2)

AKW 229 (TVA, 1939; Transylvania County, North Carolina)

Located 14.5 miles northwest of courthouse in Brevard, by way of U. S. Highway 276, on Davidson River road, 12.5 miles northwest of U. S. Post Office in Pisgah Forest, in Pisgah National Forest, 5.6 miles west of intersection of Davidson River road with U. S. Highway 276, 0.6 miles northwest of Davidson River Fish Rearing Station on north side of Davidson River road, 45 feet from center line of road, left bank of right fork of river, 62 feet northeast of southeast corner of wood bridge over river, 10 feet east of center line of trail, up right fork of Davidson River, set flush. A standard tablet stamped "AKW 229 1941" and set horizontally in rock boulder.

Reference Mark 1: 19.9 feet S 85° W to 10-inch poplar tree (painted BM).

Reference Mark 2: 16.4 feet S 80° E to 24-inch beech tree.

Reference Mark 3: 20.2 feet S 30° W to 6-inch poplar tree on edge of road, painted BM.

ELEVATION: 2922.648 feet or 890.825 meters (T-2)

AKW 230 (TVA, 1939; Transylvania County, North Carolina)

Located 13.1 miles northwest of courthouse in Brevard, by way of U. S. Highway 276, on Davidson River road, 11.1 miles northwest of U. S. Post Office in Pisgah Forest, in Pisgah National Forest, 4.2 miles west of intersection of Davidson River road with U. S. Highway 276, 0.8 miles southeast of Davidson River Fish Rearing Station, on southwest side of Davidson River road, 41 feet from center line of road, on northeast side of Rosman road, 44 feet from center line of road, inside of "Y" of roads, 81 feet north of road sign in "Y", 38.3 feet northeast of east end of 18-inch metal culvert, 27 feet north of center line of crossroad in "Y" of roads. A standard tablet stamped "AKW 230 1914" and set in concrete post.

Reference Mark 1: 23.3 feet N 35° W to 24-inch forked black oak tree.

Reference Mark 2: 14.5 feet S 65° E to 12-inch white oak tree.

Reference Mark 3: 10.0 feet S 10° E to 8-inch white oak tree.

ELEVATION: 2635.234 feet or 803.221 meters (T-2)

AKW 231 (TVA, 1939; Transylvania County, North Carolina)

Located 11.9 miles northwest of courthouse in Brevard, on U. S. Highway 276, on Davidson River road, 9.9 miles northwest of U. S. Post Office in Pisgah Forest, in Pisgah National Forest, 3.0 miles west of intersection of Davidson River road with U. S. Highway 276, on south side of Davidson River road, 40.0 feet from center line of road, outside of sharp curve, 30.3 feet south of south end of row of guard posts, 93.0 feet south of west end of 24-inch metal culvert just north of point of curve, approximately 5 feet below surface of road. A standard tablet stamped "AKW 231 1941" and set in concrete post.

Reference Mark 1: 4.1 feet S 75° W to 4-inch white pine tree.

Reference Mark 2: 9.4 feet S 10° E to 30-inch white oak tree.

Reference Mark 3: 10.3 feet Due East to 6-inch red oak tree.

ELEVATION: 2558.059 feet or 779.698 meters (T-2)

AKW 232 (TVA, 1939; Transylvania County, North Carolina)

Located 10.6 miles northwest of courthouse in Brevard, by way of U. S. Highway 276, on Davidson River road, 8.6 miles northwest of U. S. Post Office in Pisgah Forest, in Pisgah National Forest, 1.7 miles west of intersection of Davidson River road with U. S. Highway 276, 0.2 miles west of T-road intersection to CCC Camp F-1, just across river from camp, on north side of road, at Y-road, 4.4 feet west of woven wire fence, 52 feet west of two-story log house, residence of guard at John Rock Station, southwest of garage, approximately 8 feet above surface of road, 23 feet north of road sign post at steps. A standard tablet stamped "AKW 232 1941" and set in concrete post.

Reference Mark 1: 17.4 feet Due West to 18-inch hickory tree.

Reference Mark 2: 7.6 feet S 20° E to 24-inch forked hickory tree in yard.

Reference Mark 3: 51.5 feet N 20° W to 24-inch forked white oak tree.

ELEVATION: 2388.542 feet or 728.029 meters (T-2)

AKW 233 (TVA, 1939; Transylvania County, North Carolina)

Located 9.8 miles northwest of courthouse in Brevard, by way of U. S. Highway 276, on Davidson River road, 7.8 miles northwest of U. S. Post Office in Pisgah Forest, in Pisgah National Forest, 0.9 miles west of intersection of Davidson River road with U. S. Highway 276, 0.4 miles west of trail to Looking Glass Rock, on north side of Davidson River road, 32 feet from center line of road

on east side of small hollow, 34 feet northeast of north end of 18-inch metal culvert, 21.5 feet north of ditch line. A standard tablet stamped "AKW 233 1941" and set in concrete post.

Reference Mark 1: 21.8 feet N 25° W to 20-inch poplar tree.
Reference Mark 2: 8.4 feet N 75° E to 20-inch black oak tree (painted FBM).

Reference Mark 3: 43.4 feet S 25° E to 15-inch white oak tree across road.

ELEVATION: 2373.821 feet or 723.542 meters (T-2)

BALSAM (USGS, 1934; Haywood-Jackson Counties, North Carolina)

Located about 6 miles south of Waynesville, about 4-1/2 miles (airline) west of Sunburst, on Richland Balsam Mountain. To reach from Waynesville Post Office, drive south on U. S. Highway 19 for 1.2 miles to a road turning left between a Texaco filling station and a small concrete bridge, follow road left 0.5 miles to a road fork, thence right 0.7 miles to road fork, thence right 2.9 miles to a road fork, thence left 0.1 miles to a road fork at an old church, from church follow road right 3.6 miles to end of road at top of mountain, from top of mountain follow fair trail left about 3.6 miles to highest point and station (trail leading in a southeasterly direction). A bronze tablet stamped "BALSAM 1934" and cemented in rock set in place.

Reference Mark 1: 14.5 feet S 65° E to drill hole in rock ledge.

Reference Mark 2: 34.4 feet S 65° W to drill hole in rock ledge.

Reference Mark 3: 12.6 feet N 80° W to drill hole in rock ledge.

GEODETIC POSITION: Lat. = 35°22'01.588"; Long. = 82°59'24.866" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Lickstone	194°30'25.8"	14°31'04.3"	3.825012	4.2
Black Mountain	320 37 51.2	140 40 02.1	3.955001	5.6

GRID POSITION (N. C.): X = 810,721.6; Y = 612,424.1 (G-3)

ELEVATION: 6410 feet (T-5)

BLACK MOUNTAIN (USGS, 1933; Jackson-Haywood Counties, North Carolina)

Located on summit of Black Mountain, about 17 miles (airline) and 34 miles by road east-southeast of Sylva. To reach from Sylva, go east 14.2 miles on North Carolina route 106 to bridge crossing Tuckasegee River, turn left onto dirt North Carolina route 281, proceed 10.6 miles, pass cemetery on right, continue 0.2 miles, turn left onto dirt road just beyond bridge crossing proceed 5.3 miles, take left-hand road on hillside, continue 0.9 miles to end of truck travel at logging camp of Blackwood Lumber Co. Follow railroad right-of-way and well-beaten trail approximately 3 miles to scene of logging operations, take any one of several trails which branch out from this point to summit of peak about 1-1/2 miles distant. Station is on northern edge of burnt-over peak, and 13 feet northeast of large outcropping rock which is higher than the one one which station is located. Station is a standard bronze tablet set in concrete in a depression in outcropping bedrock.

Reference Marks are standard bronze tablets, with the arrows pointing toward the station each set in a concrete in a depression in outcropping bedrock.

Reference mark 1 is on downward slope, and 13.538 meters (44.42 feet) from station in geodetic azimuth 40°43'.

Reference mark 2 is in outcrop higher than station, and 3.890 meters (12.76 feet) from station in geodetic azimuth 276°53'.

GEODETIC POSITION: Lat. = 35°18'15.366"; Long. = 82°55'38.506" (C-1)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Water Rock	132°53'29.18"	312°46'10.55"	4.4161333	16.2
Sentell	180 03 00.92	0 03 01.33	4.3048809	12.5
Sandywash	185 33 13.94	5 34 47.46	4.6217103	26.0

GRID POSITION (N. C.): X = 828,547.74; Y = 588,824.70 (C-1)

ELEVATION: 6110 feet (T-5)

BM 2616.2 (USGS, 1928; Haywood County, North Carolina)

Located 0.5 miles northeast along Southern Railway from Waynesville, 180 feet east of west switch into Suncrest Lumber Company yard. A drill hole in top of small pointed boulder.

ELEVATION: 2615.89 feet (G-3)

CEDAR (USGS, 1934; Transylvania County, North Carolina)

Located 4 miles northwest of Brevard, in Pisgah National Forest on a point known as Cedar Rock Mountain. To reach from Brevard Post Office, follow U. S. Highway 276 north for 4.1 miles to entrance of Pisgah Forest, thence left for 1.9 miles on temporary U. S. Highway 276 to road left, turn left across bridge and follow main road 5.1 miles to a road left at a white and green garage, turn left to site of CCC Camp F-1, from camp a good trail leads to Cat Gap (about 2 miles). From Cat Gap trail is marked to top of Cedar Rock Mountain about 1 mile southwest of Cap Gap. Bronze tablet stamped "CEDAR 1934" and cemented in rock under 12-inch oak tree.

Reference Mark 1: 14.0 feet N 32° E to drill hole in rock.

Reference Mark 2: 14.5 feet S 50° E to drill hole in rock.

Reference Mark 3: 10.3 feet S 75° W to drill hole in rock.

Note: Due to the fact that the tablet and references were difficult to recover on account of leaves, it was referenced as follows: (December 3, 1940)

Reference Mark 1: 26.45 feet N 20° W to 8-inch oak.

Reference Mark 2: 29.00 feet S 03°30' W to 20-inch oak.

Reference Mark 3: 14.10 feet S 45° W to 20-inch oak.

GEODETIC POSITION: Lat. = 35°15'25.121"; Long. = 82°48'04.752" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Pilot	106°51'35.3"	286°49'17.8"	3.798612	3.9
Black Mt.	114 37 19.0	294 32 56.9	4.100724	7.8
Pisgah	192 09 00.3	12 10 32.7	4.282060	11.9

GRID POSITION (N. C.): X = 865,466.2; Y = 570,163.0 (G-3)

ELEVATION: 4056 feet (T-5)

CHARLEY BALD (TVA, 1941; Jackson County, North Carolina)

Located about 8-1/2 miles northeast of Tuckasegee. To reach from junction of State Routes 107 and 281, take Route 281 for a distance of 12.4 miles to Neddle Gap, turn left on mountain road and go 2 miles, turn right and go 2 miles to Woodruff Lumber Camp, turn left about 500 feet beyond camp, go 1/2 mile to home of Ed Hoxit, end of truck travel. Take trail behind house at follow main ridge 2 miles to GAGE BALD, go southwest along ridge top crossing low gap, 0.7 miles to cleared top on ridge, 12-inch oak is on highest point or nose of ridge. A 60d nail and washer in root of 12-inch oak.

ELEVATION: 5473 feet (T-5)

COLD (USGS, 1934; Haywood County, North Carolina)

Located 8.8 miles (airline) southeast of Waynesville. To reach from Waynesville, take U. S. Highway 276 E 18 miles to Crawford Creek road, which is 1.8 miles beyond Cruso Post Office, turn right 2.9 miles across bridge through gate at site of old logging ground, walk, turn right up old logging road to gap, keep right and follow trail to station on highest point of Cold Mountain (walking distance of 2 miles). A bronze tablet stamped "COLD 1934" and cemented in rock.

Reference Mark 1: 11.3 feet N 20° W to drill hole in rock ledge.
Reference Mark 2: 23.3 feet S 80° E to drill hole in rock ledge.
Reference Mark 3: 5.25 feet S 62° W to drill hole in rock.

GEODETIC POSITION: Lat. = 35°24'35.230"; Long. = 82°51'25.041" (G-3)

To Station	Azimuth	Back Azimuth	Log. Meters	Miles
Silvermine	10°00'41.6"	190°00'04.6"	3.965890	5.7
Lickstone	99 28 44.7	279 24 45.2	4.024257	6.6
Pisgah	258 59 26.0	79 02 54.6	3.966253	5.7

GRID POSITION (N. C.): X = 851,029.7; Y = 626,374.8 (G-3)

ELEVATION: 6030 feet (T-5)

GAGE BALD (TVA, 1941; Jackson County, North Carolina)

Located about 8-1/2 miles northeast of Tuckasegee. To reach from junction of State Routes 107 and 281, take Route 281 for a distance of 12.4 miles to Neddle Gap, turn left on mountain road, go 2 miles, turn right and go 2 miles to Woodruff Lumber Camp, turn left about 500 feet beyond camp, go 1/2 mile to home of Ed Hoxit, end of truck travel, take trail behind house and follow main ridge 2 miles to Gage Bald. Point is on highest point of knob. A drill hole in rock.

GRID POSITION (N. C.): X = 814,364.6; Y = 590,293.0 (T-4)

ELEVATION: 5574 feet (T-5)

GREEN KNOB (USGS, 1934; Haywood-Transylvania Counties, North Carolina)

Located 14 miles (airline) southeast of Waynesville, 9.0 miles north-west of Brevard, 1.3 miles southwest of Wagon Road Gap (at junction of U. S. Highway 276 and Pisgah Mountain road). To reach from Waynesville, take U. S. Highway 276 east 23.3 miles, which is 0.5 miles southwest of road junction at Wagon Road Gap, at a steel electric power line tower crossing mountain at Pigeon Gap, walk to steel tower in gap, turn right, follow trail along narrow ridge 1.0 miles to highest point and station. A bronze tablet stamped "GREEN KNOB 1934" and cemented in rock set in place.

Reference Mark 1: 16.6 feet N 65° W to drill hole in rock.
Reference Mark 2: 8.8 feet N 35° E to drill hole in rock.
Reference Mark 3: 34.9 feet Due South to drill hole in rock.

GEODETIC POSITION: Lat. = 35°21'23.915"; Long. = 82°48'04.099" (G-3)

To Station	Azimuth	Back Azimuth	Log. Meters	Miles
Silvermine	64°22'20.0"	244°19'46.7"	3.869901	4.6
Pisgah	207 39 09.1	27 40 41.2	3.936856	5.4
Pink	297 42 44.1	117 45 03.6	3.837453	4.3

GRID POSITION (N. C.): X = 866,908.8; Y = 606,406.5 (G-3)

ELEVATION: 5056 feet (T-5)

K 38 (US&GS, 1932; Haywood County, North Carolina)

Located at Waynesville, about 265 feet southwest of the Southern Railway station, about 200 feet east of a grade crossing, about 75 feet south of the south rail of the main track, at the base of a 4-foot oak tree, and in the top of a large boulder. A standard tablet stamped "K 38 1932".

ELEVATION: 2644.079 feet or 805.917 meters (C-2)

LHT 1726 (TVA, 1939; Haywood County, North Carolina)

Located 5.9 miles south of post office at Hazelwood, by way of Allen Creek road, on Deep Gap trail, 7.3 miles south of courthouse at Waynesville, 1.3 miles east of Quinland community, on right bank of Deep Gap Creek, set inside of sharp hairpin curve, 52 feet northwest of inside point of curve, 25 feet northeast of center line of road below BM, 96 feet east of 48-inch hickory tree on right bank of creek, and downstream from curve. A standard tablet stamped "LHT 1726 1940" and set in concrete monument.

Reference Mark 1: 40.5 feet S 35° W to 40-inch Spanish oak tree, blazed.

Reference Mark 2: 17.0 feet N 35° W to 8-inch white oak tree, blazed.

Reference Mark 3: 31.5 feet N 35° E to 36-inch hickory tree, blazed.

ELEVATION: 3512.634 feet or 1070.653 meters (T-2)

LHT 1727 (TVA, 1939; Haywood County, North Carolina)

Located 6.9 miles south of post office at Hazelwood, by way of Allen Creek road, on Deep Gap trail, 8.3 miles south of courthouse at Waynesville, 2.3 miles east of Quinland community, on northwest side of road, 20 feet from center line of road, on west side of small hollow, 0.6 miles west of lower tunnel of Big Ridge Mine, 60 feet southeast of 50-inch white oak tree, 150 feet northwest of 30-inch Spanish oak at point of curve, 35 feet southeast of trail on hillside. Standard tablet stamped "LHT 1727 1940", set in concrete monument.

Reference Mark 1: 32.5 feet S 20° E to 8-inch maple tree, blazed.

Reference Mark 2: 23.5 feet N 35° E to 12-inch white oak tree, blazed.

Reference Mark 3: 25.0 feet N 30° W to 40-inch white oak tree, blazed.

ELEVATION: 4148.427 feet or 1264.443 meters (T-2)

LHT 1728 (TVA, 1939; Haywood County, North Carolina)

Located 7.8 miles southeast of post office at Hazelwood, by way of Allen Creek road, on Deep Gap trail, 9.2 miles south of courthouse at Waynesville, on property of Haywood Lumber and Mine Company, on west slope of Lickstone Mountain, 200 feet northwest of Big Ridge Min, upper mine, operated by Tom Blalock, 65 feet south of Y or switch back in road to upper mine and on to Deep Gap, 150 feet north of dump pile of upper tunnel, 23 feet south of trail, 29.6 feet south of 6-inch maple tree near point of "Y". A standard tablet stamped "LHT 1728 1940" and set in concrete monument.

Reference Mark 1: 86.8 feet N 70° E to 5-inch black locust tree.

Reference Mark 2: 19.5 feet S 10° E to 3-inch double maple trees.

Reference Mark 3: 26.9 feet N 60° W to 24-inch Spanish oak in "Y".

ELEVATION: 4685.453 feet or 1428.129 meters (T-2)

LHT 1729 (TVA, 1939; Haywood County, North Carolina)

Located at Deep Gap, Lickstone Mountain, 9 miles southeast of post office at Hazelwood, by way of Allen Creek road and Deep Gap trail, 10.4 miles south of courthouse at Waynesville, in National Forest Boundary, on Lickstone Mountain, 112 feet east of center line of mountain and gap, at edge of cleared area along east side of mountain, 3 feet south of most northerly trail at gap on north side of hollow (east side of gap), 112 feet northeast of 18-inch Spanish oak tree leaning about due south, 9.7 feet north of 5-inch forked maple tree, 8.5 feet southeast of 18-inch oak snag. A standard tablet stamped "LHT 1729 1940" and set horizontally in rock boulder.

Reference Mark 1: 20.0 feet N 60° E to 18-inch Spanish oak tree, blazed.

Reference Mark 2: 26.5 feet S 10° E to 8-inch birch tree, blazed.

Reference Mark 3: 14.5 feet N 10° W to 3-inch white oak tree, blazed.

ELEVATION: 4893.835 feet or 1491.644 meters (T-2)

LHT 1730 (TVA, 1939; Haywood County, North Carolina)

Located 15 miles southwest of post office at Canton, 15 miles southeast of courthouse at Waynesville, by way of U. S. Highway 276 and Lake Logan road, on Deep Gap trail, on Frank Reece's property, 8.8 miles southwest of Bethel School, 4.5 miles southwest of Cecil School, 1 mile west of Lake Logan road, on north side of road up mountain side, 16 feet from center line of road, 15 feet west of center line of road along hillside, 20.5 feet west of west end of rock fence, 10 feet west of west gate post, 4 feet north of pole fence, 32 feet southeast of rock chimney to small cabin. A standard tablet stamped "LHT 1730 1940" and set in concrete monument.

Reference Mark 1: 22.0 feet N 60° W to 4-inch forked dogwood tree.

Reference Mark 2: 86.5 feet N 10° W to 14-inch apple tree.

Reference Mark 3: 66.4 feet N 20° E to 12-inch apple tree.

Reference Mark 4: 10.0 feet N 80° E to west gate post.

ELEVATION: 3562.299 feet or 1085.791 meters (T-2)

LHT 1731 (TVA, 1939; Haywood County, North Carolina)

Located 14.2 miles southwest of post office at Canton, 14.2 miles southeast of courthouse at Waynesville, on Lake Logan road, on the property of the Champion Fibre Company, 7.7 miles southwest of Bethel School, 2.7 miles southwest of Cecil School, 0.4 miles north of Burnett Siding Church, 2 miles upstream from Lake Logan Dam, 35 feet west of center line of county road, 21.5 feet west of corner of barb wire fence, 1.5 feet south of barb wire fence, 45 feet southwest of west end of 20-inch metal culvert, 34.5 feet south of small branch. A standard tablet stamped "LHT 1731 1940" and set in concrete monument.

Reference Mark 1: 53.0 feet S 55° E to telephone pole no. 2.

Reference Mark 2: 118.0 feet N 10° E to 8-inch forked black locust tree.

Reference Mark 3: 105.5 feet N 80° W to 12-inch lone apple tree.

ELEVATION: 2990.138 feet or 911.396 meters (T-2)

LHT 1732 (TVA, 1939; Haywood County, North Carolina)

Located 15 miles southwest of post office at Canton, 15 miles southeast of courthouse at Waynesville, on Lake Logan road, on Harl Reece's property, 8.5 miles southwest of Bethel School, 3.5 miles south of Cecil School, 0.4 miles south of Burnett Siding Church, 24 feet east of center line of county road, in yard, 27.5 feet northwest of northwest corner of Harl Reece's one-story frame residence, 22.8 feet north of small gate, 23.5 feet north of mailbox, 16.5 feet south of corner of barb wire fence, 8.5 feet east of wire fence, 2.5 feet east of large boulder in yard, 13.5 feet west of path to barn, 12 feet south of 8-inch apple tree. A standard tablet stamped "LHT 1732 1940" and set in concrete monument.

Reference Mark 1: 15.8 feet Due North to double 10-inch apple trees.

Reference Mark 2: 8.5 feet N 75° W to telephone pole.

Reference Mark 3: 11.4 feet S 15° W to small spruce pine tree.

ELEVATION: 3033.987 feet or 924.761 meters (T-2)

LHT 1733 (TVA, 1939; Haywood County, North Carolina)

Located 16.3 miles southwest of post office at Canton, 16.3 miles southeast of courthouse at Waynesville, on Beech Gap road, in Pisgah National Forest, 9.8 miles southwest of Bethel School, 4.8 miles south of Cecil School, 1.7 miles south of Burnett Siding Church, in yard, 71 feet northwest of Pisgah National Forest Rangers residence, 82 feet northwest of southwest corner of residence, 18 feet east of road up hollow, 8 feet east of small spruce pine at corner of lawn, 3.3 feet south of small spruce, 7.3 feet southwest of 2-inch spruce pine tree, 48 feet west of 6-inch black locust tree. A standard tablet stamped "LHT 1733 1940" and set in concrete monument.

Reference Mark 1: 71.0 feet S 60° E to northwest corner of rangers residence.

Reference Mark 2: 50.0 feet S 60° W to telephone pole on bank of road.

Reference Mark 3: 75.0 feet N 30° W to 6-inch apple tree.

ELEVATION: 3130.985 feet or 954.326 meters (T-2)

LHT 1734 (TVA, 1939; Haywood County, North Carolina)

Located 17.8 miles southwest of post office at Canton, on Haywood Gap trail, in Pisgah National Forest, 3.5 miles north of Haywood Gap, on left bank of Little Beartrap Branch, 75 feet north of branch, 48 feet northwest of center line of trail, at south end of large rock bluff, 2 feet above ground at south end, 8.5 feet southwest of chiseled square, 2 feet above ground on vertical wall of bluff, 4.5 feet southeast of chiseled square, 2.5 feet above ground at extreme south end of bluff. A standard tablet stamped "LHT 1734 1940" and set horizontally in rock outcrop.

Reference Mark 1: 20.6 feet Due West to 8-inch poplar tree, blazed.

Reference Mark 2: 34.1 feet Due South to 8-inch birch tree, blazed.

Reference Mark 3: 53.0 feet S 70° E to 15-inch black locust tree, blazed.

ELEVATION: 3536.791 feet or 1078.016 meters (T-2)

LHT 1735 (TVA, 1939; Haywood County, North Carolina)

Located 19.0 miles southwest of post office at Canton, on Haywood Gap trail, in Pisgah National Forest, 2 miles north of Haywood Gap, on right bank of Middle Prong Creek, on west side of trail, 35 feet from center line of trail, 0.2 miles downstream from small one-room log cabin, set flush, about 6 feet above ground, in top and near east side of very large boulder, between branch and trail just west of thinly wooded area. A standard tablet stamped "LHT 1735 1940" and set horizontally.

Reference Mark 1: 15.2 feet N 60° W to 10-inch forked maple tree, blazed.

Reference Mark 2: 10.6 feet N 40° E to 6-inch forked birch tree, blazed.
Reference Mark 3: 40.4 feet S 60° E to 18-inch black locust tree, blazed.

ELEVATION: 3981.291 feet or 1213.500 meters (T-2)

LHT 1736 (TVA, 1939; Haywood County, North Carolina)

Located 20.4 miles southwest of post office at Canton, on Haywood Gap trail, in Pisgah National Forest, 1.25 miles north of Haywood Gap, on left bank of Haywood Gap Stream, 19 feet from center line of stream, 225 feet downstream from switch-back of old railroad, 800 feet upstream from forks of water, on top of rock boulder, 6.4 feet north of water's edge, 5 feet above water, at downstream end of small island, between creek and trail, 33.5 feet east of chiseled square painted white on vertical wall of rock outcrop, 1.5 feet above ground, 27.3 feet southeast of chiseled square on rock wall, 2 feet above ground across trail, 4.4 feet south of square on rock wall, 2.5 feet above ground across trail, 2.3 feet northeast of 5-1 inch birch tree on top of boulder. A standard tablet stamped "LHT 1736 1940" and set horizontally in rock outcrop.

Reference Mark 1: 47.2 feet N 70° W to 18-inch forked beech tree.
Reference Mark 2: 29.5 feet N 35° W to 12-inch beech tree.
Reference Mark 3: 44.9 feet N 35° E to 6-inch birch tree.

ELEVATION: 4367.075 feet or 1331.087 meters (T-2)

LHT 1737 (TVA, 1939; Jackson County, North Carolina)

Located at Haywood Gap, 13 miles northeast of Post office at Argura, 21.2 miles northeast of post office at Tuckasegee, on Haywood Gap trail, on property of Blackwood Lumber Company, 300 feet southwest of center line of gap, 235 feet S 50° W of TVA Rain Gage Recording Instrument No. 9, 75 feet west of trail to gap, set flush and horizontally in first large rock outcrop south of gap and west of trail, 7.4 feet north of chiseled square painted white, 4 feet above ground, on 5-foot vertical wall of rock outcrop, 13.3 feet south of chiseled square painted white, 2 feet above, on 5 foot vertical wall of rock outcrop. A standard tablet stamped "LHT 1737 1940".

Reference Mark 1: 21.3 feet N 30° E to 15-inch maple tree.
Reference Mark 2: 9.9 feet S 45° E to 18-inch Spanish oak tree.
Reference Mark 3: 52.5 feet S 80° W to 15-inch Spanish oak tree.
Reference Mark 4: 12.9 feet N 50° E to 12-inch black locust tree.

ELEVATION: 5224.579 feet or 1592.455 meters (T-2)

LHT 1738 (TVA, 1939; Jackson County, North Carolina)

Located 11.5 miles northeast of post office at Argura, 19.7 miles northeast of post office at Tuckasegee, on Haywood Gap trail, on property of Blackwood Lumber Company, southwest of Haywood Gap, on left bank of Wolf Creek, 7 feet from center line of creek, 23 feet east of center line of trail or old railroad, 125 feet upstream from Y-intersection of old railroad up hollow to east, 400 feet downstream from old log building, 75 feet downstream from where railroad crossed creek below old building, 18.5 feet south of clump of small water birch trees growing on log in middle of creek, 6.1 feet north of small spruce pine tree on left bank of creek, at water's edge, 20 feet downstream from large pile of timber in creek. A standard tablet stamped "LHT 1738 1940" and set horizontally in rock outcrop.

Reference Mark 1: 55.0 feet S 75° W to 10-inch forked birch tree.
Reference Mark 2: 28.2 feet Due North to 3-inch birch tree.
Reference Mark 3: 8.1 feet S 65° E to 3-inch birch tree.

ELEVATION: 4129.503 feet or 1258.675 meters (T-2)

LHT 1739 (TVA, 1939; Jackson County, North Carolina)

Located 10.6 miles northeast of post office at Argura, 18.8 miles northeast of post office at Tuckasegee, by way of State Highway 281, Sola Creek road, Cathey Gap road, and on Haywood Gap trail, on property of Blackwood Lumber Company, on right bank of Wolf Creek, 12 feet from center line of creek, on west side of trail, just west of where logging railroad crossed creek, 80 feet about due west of 40-inch water birch tree across creek, 100 feet north of 15-inch spruce pine tree on left bank of creek near water's edge, set flush in rock boulder, 5 feet above surface of water, 3 feet east of small water birch tree on top of boulder. A standard tablet stamped "LHT 1739 1940" and set in rock outcrop.

Reference Mark 1: 15.5 feet N 10° W to 8-inch poplar tree.
Reference Mark 2: 49.7 feet S 70° E to 30-inch water birch tree.
Reference Mark 3: 17.7 feet S 40° W to 2-inch twin maple trees.

ELEVATION: 3760.757 feet or 1146.281 meters (T-2)

LHT 1740 (TVA, 1939; Jackson County, North Carolina)

Located 8.4 miles east of post office at Argura, 16.6 miles east of post office at Tuckasegee, on Cathey Gap road, on property of Joseph Keyes, 2.2 miles northwest of Cathey Gap, 1.8 miles northwest of Charley Creek School, on right bank of Wolf Creek, east side of road, 13.5 feet from center line of road, in yard of one-story frame house occupied by Norman Moore, 16.5 feet north of northwest corner of house, 31.8 feet southwest of southwest corner of store building, yard, opposite third fence post from gate post. A standard tablet stamped "LHT 1740 1940" and set in concrete monument.

Reference Mark 1: 10.8 feet N 60° E to 12-inch maple tree.
Reference Mark 2: 37.0 feet S 60° E to 12-inch white oak tree.
Reference Mark 3: 16.5 feet S 15° W to northwest corner of house.

ELEVATION: 3579.192 feet or 1090.940 meters (T-2)

LHT 1747 (TVA, 1939; Jackson County, North Carolina)

Located 5.7 miles east of post office at Argura, 13.9 miles east of post office at Tuckasegee, on Cathey Gap road, on property of J. B. Brown, 4.5 miles west of Charley Creek School, 0.7 miles southeast of Parker Gap, on south side of road, 24 feet from center line of road, 85 feet east of Y-intersection to southwest, 12.0 feet north of fence line, 65 feet east of crest of hill, 30.8 feet west of corner of fence, west of east edge of cleared land on each side of road. A standard tablet stamped "LHT 1747 1940" and set in concrete monument.

Reference Mark 1: 14.5 feet N 80° E to 20-inch red oak tree.
Reference Mark 2: 9.2 feet Due West to 15-inch white oak tree.
Reference Mark 3: 57.0 feet N 30° W to 30-inch white oak tree across road.

ELEVATION: 3904.763 feet or 1190.174 meters (T-2)

LHT 1748 (TVA, 1939; Jackson County, North Carolina)

Located 7.0 miles east of post office at Argura, 15.2 miles east of post office at Tuckasegee, on Cathey Gap road, on edge of road right-of-way, 3.6 miles west of Cathey Gap, 3.2 miles west of Charley Creek School, in gap on Charley Ridge, on north side of road, 18 feet from center line of road,

1.5 feet south of rail fence, 6 feet west of pole gate, 300 feet south of corner of woods on top at ridge, 55 feet northwest of end of rail fence on road bank, south side road, opposite first lap of rail fence west of gate, 7 feet north of top of road bank, 0.4 miles east of wood bridge over Charley Creek. A standard tablet stamped "LHT 1748 1940" and set in concrete monument.

Reference Mark 1: 90.0 feet N 70° E to 12-inch lone apple tree.
Reference Mark 2: 18.0 feet Due South to center line of road.
Reference Mark 3: 15.0 feet S 80° W to fence post (painted BM).

ELEVATION: 3803.021 feet or 1159.163 meters (T-2)

LHT 1749 (TVA, 1939; Jackson County, North Carolina)

Located 9.3 miles east of post office in Argura, 17.5 miles east of post office in Tuckasegee, on Cathey Gap road, on edge of road right-of-way, 1.3 miles northwest of Cathey Gap, 0.9 miles northwest of Charley Creek School, on north side of road, 22 feet from center line of road, 63 feet northeast of corner of woods across road, in rail fence row, 23 feet east of junction of rail fence with pole fence, 89 feet northwest of intersection of woven wire fence with pole fence across road. A standard tablet stamped "LHT 1749 1940", and set in concrete post.

Reference Mark 1: 45.2 feet N 05° E to 8-inch apple tree.
Reference Mark 2: 57.0 feet N 55° W to 3-inch apple tree.
Reference Mark 3: 63.0 feet S 50° W to 10-inch double white oak tree across road.

ELEVATION: 3758.503 feet or 1145.594 meters (T-2)

LICKSTONE (USGS, 1934; Haywood County, North Carolina)

Located about 5 miles south and east of Waynesville, on the highest point of Lickstone Bald. To reach from Waynesville, follow U. S. Highway 19 S 1.2 miles to a road turning left between a Texaco filling station and a small concrete bridge, follow road left 0.5 miles to a fork, thence right 0.7 miles to a fork, thence right 2.9 miles to a fork, thence left 0.1 miles to a road left at an old church, thence on road left 0.5 miles to a road right through gate, thence on road through gate about 0.1 miles to road turning left across creek, follow road across creek 2.4 miles to upper workings of old abandoned mica mine. From mine follow leading ridge in an easterly direction to top, then left along crest of ridge in a northerly direction to highest point and station. A bronze tablet stamped "LICKSTONE 1934" and cemented in boulder.

Reference Mark 1: 19.8 feet S 77° E to drill hole in rock.
Reference Mark 2: 16.7 feet S 08° E to drill hole in rock.
Reference Mark 3: 17.85 feet N 05° W to drill hole in rock.

Report on Condition (TVA, 1940): Tablet destroyed. Point replaced from references which checked approximately 0.05 feet and fell in shallow hole which evidently had contained rock set in place.

GEODETIC POSITION: Lat. = 35°25'31.541"; Long. = 82°58'18.497" (G-3)

To Station	Geodetic Azimuths		Distance
	Azimuth	Back Azimuth	Log. Meters Miles
Water Rock	105°54'25.8"	285°48'39.2"	4.194944 9.7
Sentell	211 00 59.6	31 02 32.8	3.895479 4.9
Pisgah	269 51 31.4	89 58 59.6	4.290305 12.1
Black Mt.	343 15 46.1	163 17 18.6	4.147235 8.7

GRID POSITION (N. C.): X = 817,062.4; Y = 633,412.2 (G-3)
ELEVATION: 5700 feet (T-5)

IR 527 (TVA, 1940; Transylvania County, North Carolina)

Located about 6 miles northwest of Brevard. To reach from Pisgah Arch, at junction of State Highway 280 and U. S. Highway 276, drive northwest along U. S. Highway 276 for 11.2 miles, turn right at Pink Beds and go 0.2 miles to Y-intersection, turn left and continue 4.3 miles to "LR 554" at curve on right side of road. Station is 184.20 feet N 50° E from B.M. in center of ridge at foot of 12-inch oak with signal flag in it. A 1- by 1-inch angle iron stamped "TVA IR 527".

Reference Mark 1: 0.8 feet North to 12-inch oak.
Reference Mark 2: 16.22 feet S 70° E to 10-inch oak.
Reference Mark 3: 10.90 feet S 20° W to 3-inch sourwood.

GRID POSITION (N. C.): X = 879,378.1; Y = 592,185.9 (T-4)
ELEVATION: 2843 feet (T-5)

IR 528 (TVA, 1940; Transylvania County, North Carolina)

Located about 1500 feet (airline) southeast of "LR 529", which is located about 6 miles northwest from Brevard. To reach from "LR 529" continue eastward along trail for 1200 feet to Saddle Gap, continue along trail 100 feet to point where trail leaves ridge top and swing along north side of mountain, at this point continue straight on up the ridge on hands and knees through real thick laurel for 300 feet. Station is at the foot of an oak snag. Considerable cutting and clearing was done here in order to see out. It may still be noticeable. A 1- by 1-inch angle iron stamped "TVA IR 528".

Reference Mark 1: 1.65 feet West to 10-inch oak snag.
Reference Mark 2: 10.45 feet N 20° W to 4-inch oak stump.
Reference Mark 3: 12.40 feet S 15° E to 14-inch chestnut snag.

GRID POSITION (N. C.): X = 877,376.4; Y = 589,937.3 (T-4)
ELEVATION: 3424 feet (T-5)

IR 529 (TVA, 1940; Transylvania County, North Carolina)

Located about 6 miles northwest from Brevard. To reach from Pisgah Arch, at junction of State Highway 280 and U. S. Highway 276, drive northwest along U. S. Highway 276 for 11.2 miles, turn right at Pink Beds and go 0.2 miles to "Y", go right for 2.6 miles to Bennett's Gap, turn right on Buckwheat trail and drive as far as possible, about 0.5 miles, then follow trail for 2000 feet to a "Z" in trail, where the ridge is very narrow. Station is in this "Z" on west side and very edge of trail and on south side of ridge. A 1- by 1-inch angle iron stamped "TVA IR 529".

Reference Mark 1: 11.40 feet N 20° W to nail and washer in 4-inch oak.
Reference Mark 2: 8.40 feet S 40° E to nail and washer in 12-inch stump.
Reference Mark 3: 24.55 feet N 75° E to nail and washer in 16-inch oak.

GRID POSITION (N. C.): X = 876,919.5; Y = 591,283.6 (T-4)
ELEVATION: 3494 feet (T-5)

IR 530 (TVA, 1940; Transylvania County, North Carolina)

Located 10 miles northwest of Brevard. To reach from Pisgah Arch, at junction of State Highway 280 and U. S. Highway 276, go northwest along U. S. Highway 276 for 11.7 miles (0.5 miles beyond Pink Beds), turn right on Forest

Service road and go 1.15 miles where road curves left, 81.70 feet N 43° W from center line of road in curve at foot of 8-inch oak with signal flag in it. This tree is surrounded by thick laurel with line cut from road to it. Station is on northwest side of road. A 1- by 1-inch angle iron stamped "TVA LR 530".

- Reference Mark 1: 1.30 feet S 80° W to 6-inch oak.
Reference Mark 2: 3.80 feet N 85° E to 1-inch sourwood.
Reference Mark 3: 6.40 feet N 25° E to 3-inch oak.

GRID POSITION (N. C.): X = 875,983.2; Y = 609,811.2 (T-4)
ELEVATION: 3311 feet (T-5)

LR 531 (TVA, 1940; Transylvania County, North Carolina)

Located on edge of road along Blue Ridge Parkway, 8.6 miles northeast of Brevard. To reach from the Pisgah Arch, at junction of State Highway 280 and U. S. Highway 276 drive northeast along U. S. Highway 276 for 15 miles to the new Blue Ridge Parkway, turn left and go south along parkway for 1.4 miles to a sharp curve with parking space on east side of road, 70 feet west of center line of road (road under construction at time this made). Station is a 1-1/2 inch drill hole in rock projecting about 1 foot above ground, and there is a 1- by 1-inch angle iron driven on side of rock for reference. Angle iron is 0.5 feet from drill hole.

GRID POSITION (N. C.): X = 869,230.7; Y = 606,655.8 (T-4)
ELEVATION: 4707 feet (T-5)

LR 554 (TVA, 1939; Transylvania County, North Carolina)

Located 9.0 miles northwest of courthouse at Brevard, by way of U. S. Highway 276 and Avery Creek road, 7.1 miles northwest of Pisgah Forest Post Office, on Bennett Gap road, in the Pisgah National Forest, 3.3 miles northwest of intersection of Avery Creek road with U. S. Highway 276, 2.8 miles northwest of White Pine Camp ground, 1.8 miles east of Bennett Gap, 0.6 miles northwest of transmission line tower at sharp curve, 20 feet west of center line of Bennett Gap road, 24.5 feet southwest of west end of 18-inch metal culvert, 1.5 feet west of east edge of rock. A standard tablet stamped "LR 554 1940" and set in rock outcrop, 3.5 feet above ground.

- Reference Mark 1: 30.8 feet N 35° E to 30-inch poplar tree (painted BM).
Reference Mark 2: 46.7 feet N 80° E to 14-inch black gum tree across road.
Reference Mark 3: 7.0 feet S 20° W to 30-inch poplar tree.

GRID POSITION (N. C.): X = 879,233.6; Y = 592,083.6 (T-4)
Grid Azimuth to LR 527 (distance 177.0 feet): 234°42'.
ELEVATION: 2796.248 feet or 852.298 meters (T-2)

LR 555 (TVA, 1939; Transylvania County, North Carolina)

Located 9.7 miles northwest of courthouse at Brevard, by way of U. S. Highway 276 and Avery Creek road, 7.8 miles northwest of Pisgah Post Office, on Bennett Gap road, in Pisgah National Forest, 4 miles northwest of intersection of Avery Creek road with U. S. Highway 276, 3.5 miles northwest of White Pine Camp ground, 1.1 miles east of Bennett Gap, 36 feet southeast of center line of Bennett Gap road, 52 feet northeast of south end of 48-inch metal culvert, 7.5 feet above road surface, 18 feet east of edge of road bank. A standard tablet stamped "LR 555 1940" and set in rock boulder, about flush with ground.

- Reference Mark 1: 12.4 feet N 35° W to 16-inch maple tree (painted BM).
Reference Mark 2: 8.3 feet N 60° E to 10-inch maple tree.
Reference Mark 3: 27.3 feet S 40° W to 30-inch black oak tree (painted BM).

ELEVATION: 3099.115 feet or 944.612 meters (T-2)

LR 556 (TVA, 1939; Transylvania County, North Carolina)

Located 10.8 miles northwest of courthouse at Brevard, by way of U. S. Highway 276 and Avery Creek road, 8.9 miles northwest of Pisgah Forest Post Office, on Bennett Gap road, in Pisgah National Forest, 5.1 miles northwest of intersection of Avery Creek road with U. S. Highway 276, 4.6 miles northwest of White Pine Camp Ground on south side of Bennett Gap road, 61 feet west of center line of road, 48.2 feet southwest of Bennett Gap sign post, 113 feet southeast of white post-7M on the northwest slope of ridge. A standard tablet stamped "LR 556 1940" and set in concrete post.

- Reference Mark 1: 17.5 feet S 35° W to 16-inch hickory tree (painted BM).
Reference Mark 2: 15.9 feet S 55° E to 8-inch sassafras tree.
Reference Mark 3: 21.3 feet N 52° E to 10-inch birch tree.

ELEVATION: 3515.954 feet or 1071.665 meters (T-2)

LR 557 (TVA, 1939; Transylvania County, North Carolina)

Located 11.8 miles northwest of courthouse in Brevard, by way of U. S. Highway 276, on Bennett Gap road, 9.9 miles northwest of post office in Pisgah Forest, in the Pisgah National Forest, 1.0 miles north of Bennett Gap on east side of Bennett Gap road, 22 feet from center line of road, in small hollow, 11 feet east of east end of 36-inch metal culvert, 4.5 feet north of south edge of rock outcrop, at left edge of small branch, 4 feet above road surface. A standard tablet stamped "LR 557 1940" and set in rock outcrop, horizontally and flush.

- Reference Mark 1: 33.0 feet N 80° W to 18-inch ash tree across road (painted BM).
Reference Mark 2: 21.0 feet N 05° E to 15-inch crooked chestnut oak tree.
Reference Mark 3: 20.6 feet S 40° E to 4-inch locust tree.

ELEVATION: 3606.118 feet or 1099.147 meters (T-2)

LR 558 (TVA, 1939; Transylvania County, North Carolina)

Located 12.8 miles northwest of courthouse in Brevard, by way of U. S. Highway 216, on Bennett Gap road, 10.9 miles northwest of Pisgah Forest Post Office, in the Pisgah National Forest, 0.6 miles east of gate across Bennett Gap road, 2.0 miles north of Bennett Gap, 0.8 miles south of Pink Beds Camp Ground, on east side of road, 27 feet from center line of road, on south side of small hollow, 100 feet southeast of northeast end of 18-inch metal culvert, 107 feet northeast of east end of 18-inch metal culvert, on outside of sharp curve, 11 feet east of ditch. A standard tablet stamped "LR 558 1940" and set in concrete post.

- Reference Mark 1: 14.9 feet N 25° E to 36-inch birch tree (painted BM).
Reference Mark 2: 20.4 feet S 80° E to 10-inch poplar tree.
Reference Mark 3: 45.5 feet N 15° W to 6-inch dogwood tree.

ELEVATION: 3398.596 feet or 1035.894 meters (T-2)

LR 559 (TVA, 1939; Transylvania County, North Carolina)

Located 15.4 miles northwest of courthouse in Brevard, by way of U. S. Highway 276, 13.5 miles northwest of Pisgah Forest Post Office, in Pisgah National Forest, 0.4 miles northeast of Pink Beds Camp Ground, on east side of highway, 40 feet from center line, in "Y" at intersection of Yellow Gap road with highway, 43 feet northwest of center line of Yellow Gap road, 78.5 feet southwest of gate across Yellow Gap road, northeast of road sign at point of "Y" of road, 14.2 feet southwest of deer trap. A standard tablet stamped "LR 559 1940" and set in concrete post.

- Reference Mark 1: 60.2 feet N 20° W to 10-inch red oak tree.
Reference Mark 2: 57.4 feet S 55° E to 12-inch poplar tree (painted BM).

Reference Mark 3: 37.2 feet S 35° W to road sign at point of "Y".
ELEVATION: 3343.209 feet or 1019.012 meters (T-2)

LR 560 (TVA, 1939; Transylvania County, North Carolina)

Located 15.9 miles northwest of courthouse at Brevard, by way of U. S. Highways 64 and 276, 2.8 miles southeast of Wagon Road Gap, 6.8 miles north of Looking Glass Falls, on U. S. Highway 276, in Pisgah National Forest, on west side of highway, 32.5 feet from center line of highway, 0.5 miles southwest of sharp long hairpin curve, 58 feet northwest of center line, south end of stone concrete headwall of 18-inch metal culvert, 10.5 feet northwest of 50-inch chestnut stump painted "BM" on west side of drain. A standard tablet stamped "LR 560 1940" and set in concrete monument.

- Reference Mark 1: 53.0 feet Due North to 24-inch hickory tree.
Reference Mark 2: 29.1 feet N 65° W to 24-inch black oak tree.
Reference Mark 3: 14.7 feet S 40° E to 10-inch poplar tree (painted BM).

ELEVATION: 3569.242 feet or 1087.907 meters (T-2)

LR 562 (TVA, 1939; Transylvania County, North Carolina)

Located 17.8 miles northwest of courthouse in Brevard by way of U. S. Highways 64 and 276, 0.9 miles south of Wagon Road Gap, on Highway 276, in Pisgah National Forest, on east side of highway, 29 feet from center line of highway, outside of large horseshoe curve, 0.1 miles up highway under Carolina Light and Power Company Transmission Line, at east edge of deep cut. A standard tablet stamped "LR 562" and set in concrete monument.

- Reference Mark 1: 7.4 feet N 55° E to 15-inch red oak tree (painted BM).
Reference Mark 2: 6.8 feet S 75° E to 12-inch red oak tree (painted cross).
Reference Mark 3: 29.3 feet S 65° W to 10-inch crooked red oak (painted BM).

ELEVATION: 4179.998 feet or 1274.066 meters (T-2)

LR 563 (TVA, 1939; Haywood County, North Carolina)

Located 18.7 miles northwest of courthouse at Brevard, by way of U. S. Highways 64 and 276, at Wagon Gap Road, in the Pisgah National Forest, 200 feet south of where highway crosses park, to park scenic highway, 64.5 feet west of highway, 96 feet south of park, to park scenic highway, 35.5 feet south of southwest corner of garage, 48 feet north of small cabin, 300 feet west of two-story frame house on west side of Wagon Road Gap. A standard tablet stamped "LR 563" and set in concrete monument.

- Reference Mark 1: 10.7 feet S 60° W to 15-inch red oak tree.
Reference Mark 2: 46.0 feet N 55° W to 10-inch red oak tree.
Reference Mark 3: 31.6 feet Due North to 4-inch red oak tree.

ELEVATION: 4532.671 feet or 1381.561 meters (T-2)

LR 564 (TVA, 1939; Transylvania County, North Carolina)

Located 10 miles northwest of courthouse at Brevard, by way of U. S. Highway 276, 16.9 miles west of Mills River, on Yellow Gap road, in Pisgah National Forest, 1.7 miles northeast of Pink Beds Camp Ground, 1.3 miles northeast of intersection of Yellow Gap road with highway, on southeast side of Yellow Gap road, 23 feet from center line of road, 150 feet northeast of center line of road and culvert at Barnett Branch, at east edge of old road bed, 16 feet southeast of ditch line. A standard tablet stamped "LR 564 1940" and set in concrete post.

- Reference Mark 1: 18.8 feet N 70° E to 10-inch red oak tree (painted PBM).
Reference Mark 2: 6.4 feet S 25° E to 5-inch maple tree (painted PBM).
Reference Mark 3: 51.5 feet N 70° W to 12-inch red oak tree across road.

ELEVATION: 3278.432 feet or 999.268 meters (T-2)

LR 565 (TVA, 1939; Transylvania County, North Carolina)

Located 17.7 miles north of courthouse at Brevard, on U. S. Highway 276, and Yellow Gap road, 16 feet west of Mills River, on Yellow Gap road, in the Pisgah National Forest, 2.2 miles northeast of intersection of Yellow Gap road with highway, 25 feet south of center line of road in north edge of small clearing in woods, 49 feet west of south end of 24-inch metal culvert. A standard tablet stamped "LR 565 1940" and set horizontally in rock outcrop.

- Reference Mark 1: 13.7 feet S 15° E to 24-inch double poplar tree.
Reference Mark 2: 19.0 feet N 55° E to 15-inch white oak tree.
Reference Mark 3: 10.0 feet Due North to 30-inch poplar tree (painted PBM).

ELEVATION: 3342.923 feet or 1018.925 meters (T-2)

LR 566 (TVA, 1939; Transylvania County, North Carolina)

Located 18.5 miles north of Brevard Courthouse, by way of highway and Yellow Gap road, 15.2 miles west of Mills River, on Yellow Gap road, in Pisgah National Forest, 1.0 miles west of Grassy Lot Gap, 0.4 miles west of Thompson Creek, 25.5 feet north of center line of road, 123.5 feet east of east end of stone headwall of north end of large metal culvert, 66 feet northwest of west end of stone headwall of south end of large metal culvert, approximately 3 feet above road surface. A standard tablet stamped "LR 566 1940" and set in concrete post.

- Reference Mark 1: 8.0 feet N 30° E to 6-inch double poplar tree (painted PBM).
Reference Mark 2: 16.0 feet N 70° W to 4-inch leaning poplar tree (painted PBM).

Reference Mark 3: 25.5 feet Due South to center line of road.
ELEVATION: 3296.844 feet or 1004.880 meters (T-2)

LR 584 (TVA, 1940; Haywood County, North Carolina)

Located 2.0 miles east of Waynesville. To reach from post office, drive east on U. S. Highways 19 and 23 for 1.5 miles, turn right and go 0.9 miles on old Asheville highway, turn at Y-road, go 0.1 miles to Y-road intersection at one-story frame house with four white pines in front yard. Point is at fence intersection 70 feet north of house on north side of road. A 1- by 1-inch angle iron.

Reference Mark 1: 9.35 feet N 75° E to nail and washer in fence post.

Reference Mark 2: 3.40 feet S 10° E to nail and washer in corner post.

GRID POSITION (N. C.): X = 823,797.0; Y = 658,105.2 (T-4)

ELEVATION: 2727 feet (T-5)

LR 585 (TVA, 1940; Haywood County, North Carolina)

Located about 3.5 miles south of Waynesville. To reach from Waynesville, Post Office, drive south on U. S. Highways 19 and 23 for 1.7 miles, turn left on Allen Creek road and go 1.55 miles, turn left on T-road, go 0.5 miles, bear right and go 0.7 miles to two house, one on north side of road and one on south side of road, angle iron is on northeast side of road at south corner of barn. A 1- by 1-inch angle iron.

Reference Mark 1: 3.66 feet N 50° E to south corner of barn.

Reference Mark 2: 17.13 feet North to west corner of barn.

Reference Mark 3: 16.65 feet S 10° E to cross on rock.

GRID POSITION (N. C.): X = 810,797.6; Y = 638,718.9 (T-4)

ELEVATION: 3330 feet (T-5)

LR 590 (TVA, 1940; Haywood County, North Carolina)

Located about 6 miles south of Waynesville. To reach from Waynesville, drive south on U. S. Highways 19 and 23 for 1.7 miles, thence left on Allen Creek road, go 3.7 miles to Y-road, turn left and go 0.5 miles, thence left through gate about 0.1 miles to a road, turning left across creek, follow road across creek 2.4 miles to old mica mine, park car and follow trail about 2000 feet east to upper mine, continue east up ridge to top. Angle iron is 150 feet west of northwest corner of old field on ridge line. A 1- by 1-inch angle iron.

Reference Mark 1: 42.6 feet N 38° E to 16-inch oak.

Reference Mark 2: 48.2 feet N 08° W to 16-inch oak.

Reference Mark 3: 40.4 feet N 70° W to 16-inch twin oak.

GRID POSITION (N. C.): X = 819,042.0; Y = 630,029.3 (T-4)

ELEVATION: 5589 feet (T-5)

LR 591 (TVA, 1940; Haywood County, North Carolina)

Located under center of High Top fire tower. To reach from Waynesville, drive east on U. S. Highway 276, 5.9 miles to crossroads just south of Bethel School, turn right 2.2 miles, turn right 2.5 miles, turn right up left bank of river 3.5 miles to Pisgah National Forest warden's home, leave car and follow dug trail east 2.9 miles to highest top of fire tower. Angle iron is under center of tower. A 1- by 1-inch angle iron.

GRID POSITION (N. C.): X = 833,012.2; Y = 617,854.7 (T-4)

ELEVATION: 5263 feet (T-5)

LR 592 (TVA, 1940; Haywood County, North Carolina)

Located about 1 mile southeast of High Top fire tower, and about 12 miles southeast of Waynesville. To reach from Waynesville, drive east on U. S. Highway 276 for 5.9 miles to just south of Bethel School, turn right and go 2.2 miles, turn right up left bank of river 2.5 miles, turn right up left bank of river about 3.5 miles to Pisgah National Forest warden's home, leave truck and take trail east about 1.3 miles, turn right on trail and follow to top, turn southeast along ridge about 4000 feet to small knoll. Station is on highest point of large rock outcrop. A drill hole in rock.

Reference Mark 1: 13.70 feet N 33° W to nail and washer in 6-inch pine.

Reference Mark 2: 11.40 feet N 55° E to 10-inch chestnut.

Reference Mark 3: 32.70 feet S 25° E to nail and washer in 3-inch pine.

GRID POSITION (N. C.): X = 835,171.0; Y = 613,055.4 (T-4)

ELEVATION: 5001 feet (T-5)

LR 593 (TVA, 1940; Haywood County, North Carolina)

Located about 9 miles east of Waynesville. To reach from Waynesville, drive east on U. S. Highway 276 for 5.9 miles to crossroads just south of Bethel School, turn right and go 2.2 miles, turn right up left bank of river and go 2.5 miles to intersection of Little East Fork and East Fork of Pigeon Rivers, turn left up left bank of Little East Fork and go 1.1 miles. Point is 200 feet south of house and is 10 feet west of road. A 1- by 1-inch angle iron.

Reference Mark 1: 72.90 feet N 22° E to 6-inch white pine.

Reference Mark 2: 1.00 feet East to fence post.

Reference Mark 3: 10.90 feet S 10° E to fence post.

GRID POSITION (N. C.): X = 839,154.0; Y = 617,510.1 (T-4)

ELEVATION: 3308 feet (T-5)

LR 594 (TVA, 1940; Haywood County, North Carolina)

Located 7.0 miles east of Waynesville. To reach from Canton at intersection of Main Street at State Highway 110, go southeast on highway, 3.5 miles to T-road southwest (T-road leads to steel bridge over Pigeon River), turn right on T-road and go 0.1 miles to small one-story frame house. Station is in north point of yard, 15 feet southwest of T-drive to garage. A 1- by 1-inch angle iron.

Reference Mark 1: 67.05 feet S 35° W to northwest corner of house.

Reference Mark 2: 174.35 feet S 21° E to power pole.

Reference Mark 3: 15.0 feet N 25° E to center line T - southwest.

GRID POSITION (N. C.): X = 847,958.7; Y = 657,998.5 (T-4)

ELEVATION: 2639 feet (T-5)

LR 595 (TVA, 1941; Transylvania County, North Carolina)

Located about 14 miles southeast of Waynesville. To reach from intersection of U. S. Highways 19 and 23 and U. S. Highway 276, drive 6.0 miles east on Highway 276 to Bethel School, turn right, go 4.8 miles, turn right and go 13.4 miles to Beech Gap, turn left on Blue Ridge Parkway, go 2 miles to deep cut on ridge line, end of truck travel, walk southeast along ridge trail for 2000 feet. Point is about 500 feet southwest of top of ridge near three large spruces. A 1- by 1-inch angle iron stamped "TVA LR 595".

Reference Mark 1: 4.4 feet N 47° W to 12-inch maple.

Reference Mark 2: 9.1 feet S 01° E to 6-inch maple.

Reference Mark 3: 24.94 feet S 73° W to 14-inch spruce.

GRID POSITION (N. C.): X = 843,006.9; Y = 587,429.4 (T-4)

ELEVATION: 5237 feet (T-5)

LR 596 (TVA, 1941; Haywood County, North Carolina)

Located about 10 miles by air southeast of Waynesville. To reach from Waynesville Post Office, drive from the intersection of U. S. Highways 19 and 23 and U. S. Highway 276 for 6.0 miles to Bethel School and turn right, thence on gravel road for 3.8 miles to T-road and Pigeon River crossing, turn right on Pigeon River Road and Blue Ridge Parkway 10.3 miles to short triple arch bridge, turn left before crossing bridge for 500 feet, park car and continue to top of mountain by trail, which is locally known as Little Sam Knob. A 1- by 1-inch angle iron.

Reference Mark 1: 37.2 feet S 05° E to 14-inch balsam stump.

Reference Mark 2: 7.8 feet N 80° E to 20-inch balsam stump.

Reference Mark 3: 29.0 feet S 80° E to 20-inch balsam stump.

GRID POSITION (N. C.): X = 837,907.1; Y = 594,490.8 (T-4)

ELEVATION: 5862 feet (T-5)

LR 597 (TVA, 1941; Haywood County, North Carolina)

Located about 12 miles southeast of Waynesville. To reach from Waynesville Post Office, drive east from the intersections of U. S. Highways 19, 23 and 276, go 6.0 miles to Bethel School and turn right, thence on gravel road to T-road Pigeon River crossing, turn right and drive to old CCC camp, park car and continue up Middle Prong West Fork Pigeon River for 3.0 miles by foot, turn left at intersection of two small streams and continue up side of mountain to the highest point. A 1- by 1-inch angle iron stamped "LR 597".

Reference Mark 1: 0.5 feet N 57° E to 6-inch wild cherry.

Reference Mark 2: 3.15 feet N 25° E to 4-inch wild cherry.

Reference Mark 3: 5.0 feet S 05° E to clump of bushes.

GRID POSITION (N. C.): X = 823,630.0; Y = 594,107.7 (T-4)

ELEVATION: 5282 feet (T-5)

LR 599 (TVA, 1941; Transylvania County, North Carolina)

Located about 7 miles northwest of Brevard. To reach from intersection of U. S. Highways 276 and State Highway 280 at Pisgah Forest arch entrance go 5.2 miles on U. S. Highway 276 to Y-intersection, go 4.0 miles on Gloucester Gap road to Daniel Ridge road, go right on Daniel Ridge road for 1.3 miles to Right Fork, leave truck and walk about 0.8 miles on trail up Right Fork, then 2000 feet northeast to highest point on ridge. A 1- by 1-inch angle iron.

Reference Mark 1: 15.8 feet N 60° W to nail and washer in 10-inch oak.

Reference Mark 2: 20.2 feet N 06° E to nail and washer in chestnut snag.

Reference Mark 3: 4.3 feet S 46° E to nail and washer in 3-inch oak.

GRID POSITION (N. C.): X = 854,305.6; Y = 588,777.8 (T-4)

ELEVATION: 4303 feet (T-5)

LR 601 (TVA, 1941; Transylvania County, North Carolina)

Located about 14 miles southeast from Waynesville. To reach from intersection of U. S. Highways 19, 23 and 276, drive 6.0 miles east on Highway 276 to Bethel School, turn right and go 4.8 miles, turn right and go 13.4 miles to Beech Gap, turn left on Blue Ridge Parkway, go 2 miles to deep cut on ridge line. Point is at top of north bank of parkway on ridge line. A 1- by 1-inch angle iron stamped "TVA LR 601".

Reference Mark 1: 3.42 feet S 43° W to twin oak stump.

Reference Mark 2: 10.35 feet N 82° W to root of 10-inch maple.

Reference Mark 3: 9.55 feet N 10° E to 2-inch maple.

Note: Searched for but not recovered, April, 1946.

GRID POSITION (N. C.): X = 842,372.1; Y = 589,279.5 (T-4)

ELEVATION: 5532 feet (T-5)

LR 603 (TVA, 1941; Transylvania County, North Carolina)

Located about 6 miles west of Brevard. To reach from intersection of U. S. Highway 276 and State Highway 280 at Pisgah Forest arch entrance, go 5.2 miles on Highway 276 to Y-intersection, go left on Gloucester Gap road for 6.1 miles to Gloucester Gap, leave truck and walk south on trail on center line of ridge about 4000 feet. Point is on center line of ridge. A 1- by 1-inch angle iron stamped "LR 603".

Reference Mark 1: 11.9 feet N 10° W to nail and washer in 24-inch oak.

Reference Mark 2: 19.7 feet S 25° E to nail and washer in 18-inch oak.

Reference Mark 3: 11.9 feet S 60° W to nail and washer in 4-inch oak.

GRID POSITION (N. C.): X = 852,722.9; Y = 570,536.8 (T-4)

ELEVATION: 3506 feet (T-5)

MANHOLE (TVA, 1940; Haywood County, North Carolina)

Located in Waynesville. To reach from intersection of U. S. Highways 19 and 23 and Gudger Street, go west on Gudger Street 1 block, turn left, go 0.4 miles to street intersection west, 15 feet north of intersection and in center of street. A small cross in center of manhole.

GRID POSITION (N. C.): X = 811,107.3; Y = 655,438.8 (T-4)

ELEVATION: 2757 feet (T-5)

NBA 1 (TVA, 1939; Haywood County, North Carolina)

Located 10.4 miles southwest of post office at Canton, 10.4 miles southeast of courthouse at Waynesville, by way of U. S. Highway 276, on Lake Logan road, 3.8 miles southwest of Bethel School, 0.3 miles northeast of Cecil School on left bank of West Fork Pigeon River, on east abutment of upstream side of bridge, 0.9 feet south of top of wingwall, 1.5 feet north of east corner of north guard rail post, 24.5 feet south of "Bridge Load Limit" sign, same elevation as floor of bridge. A standard tablet stamped "NBA 1 1940" and set horizontally in abutment of concrete bridge.

Reference Mark 1: 36.3 feet N 45° W to 18-inch forked maple tree.

Reference Mark 2: 40.7 feet N 15° W to 10-inch chestnut oak tree.

Reference Mark 3: 1.2 feet S 52° E to east end of north guard rail

ELEVATION: 2796.057 feet or 852.240 meters (T-2)

NBA 2 (TVA, 1939; Haywood County, North Carolina)

Located 8.9 miles southwest of post office at Canton, 8.9 miles southeast of courthouse at Waynesville, on Lake Logan road, 2.3 miles southwest of Bethel School, 1.9 miles northeast of Cecil School, at Riverside Church, 1.5 feet south of northwest corner of church, 15 feet west of west wall or front wall, 9 feet north of north end of concrete steps, 89.5 feet northeast of north end

of bridge over West Fork Pigeon River, 22 feet southeast of 3-inch cedar tree. A standard tablet stamped "NBA 2 1940" and set in concrete monument, set nearly flush with ground.

Reference Mark 1: 68.0 feet S 10° W to 20-inch forked maple tree.
Reference Mark 2: 64.0 feet S 45° W to 6-inch black locust tree.
Reference Mark 3: 24.0 feet N 12° W to 4-inch cedar tree.

ELEVATION: 2738.052 feet or 834.560 meters (T-2)

NBA 3 (TVA, 1939; Haywood County, North Carolina)

Located 8.1 miles southwest of post office at Canton, 9.3 miles southeast of Waynesville Courthouse, by way of U. S. Highway 276, on Lovelace Road, on Raymond Duckett's property, 2.0 miles southwest of concrete bridge over West Fork Pigeon River, 2.7 miles south of Bethel School, 2.5 miles southwest of Silver Bluff, 1.2 miles northeast of Riverside Church on east side of county road, 44 feet south of center line of road at Y-road intersection to east, 115 feet south of small wood bridge over Rocky Branch, 225 feet northeast of east gate post, 16 feet north of barb wire fence, 400 feet south of two-story frame house on hill, 5 feet east of rock boulder, 17 feet south of 36-inch white oak tree. A standard tablet stamped "NBA 3 1940" and set in concrete monument.

Reference Mark 1: 10.4 feet S 80° E to 12-inch black locust tree.
Reference Mark 2: 34.5 feet S 20° W to 18-inch black locust tree.
Reference Mark 3: 43.5 feet S 85° W to 30-inch white oak tree.

ELEVATION: 2778.308 feet or 846.830 meters (T-2)

NBA 4 (TVA, 1939; Haywood County, North Carolina)

Located 7.2 miles southwest of post office at Canton, by way of State Highway 110, 8.4 miles southeast of courthouse at Waynesville, by way of U. S. Highway 276, on Lovelace Road, on property of Tom Wells, 1.1 miles south of concrete bridge over West Fork Pigeon River, 1.8 miles south of Bethel School, 1.6 miles southwest of Silver Bluff, on west side of county road inside sharp curve, 600 feet north of one-and-a-half story frame house painted green, 2.5 feet east of barb wire fence, 15 feet south of south gate post, 55 feet west of east gate post across road, set in gap of small ridge, 15 feet west of old field road. A standard tablet stamped "NBA 4 1940" and set in concrete monument.

Reference Mark 1: 34.0 feet S 40° W to 8-inch apple tree.
Reference Mark 2: 101.0 feet N 40° E to 12-inch black locust tree.
Reference Mark 3: 37.0 feet Due East to center line of county road at point of curve.

ELEVATION: 2801.530 feet or 853.908 meters (T-2)

NBA 5 (TVA, 1939; Haywood County, North Carolina)

Located 6.4 miles southwest of post office at Canton, 7.3 miles southeast of courthouse at Waynesville, on U. S. Highway 276, 0.7 miles east of Bethel School, on east abutment upstream side of concrete bridge over West Fork Pigeon River, on right bank of river, 60 feet west of crossroad, 33.7 feet south of West Fork Pigeon River sign on right bank of river, 85 feet west of yellow "Stop" sign across highway, 65 feet north of yellow "Stop" sign across road up river, 1.5 feet south of south guard wall, 1.7 feet north of top of southeast wingwall. A standard tablet stamped "NBA 5 1940" and set flush and horizontally in concrete bridge abutment.

Reference Mark 1: 62 feet South to 10-inch poplar tree.
Reference Mark 2: 51.5 feet Southeast to north edge of rock outcrop south side of highway at crossroad.

ELEVATION: 2665.851 feet or 812.553 meters (T-2)

NBA 6 (TVA, 1939; Haywood County, North Carolina)

Located 5.1 miles southwest of post office at Canton, on State Highway 110, 8 miles southeast of courthouse at Waynesville, on property of Haywood County Poor Farm, 1.4 miles northeast of Bethel School, 0.4 miles north of Silver Bluff, on southeast side of highway, 35.5 feet from center line of highway, 150 feet southeast of front entrance to Haywood County Farm, 55 feet east of end of concrete walk to large two-story brick house, 1.2 feet north of plank fence 3 feet west of corner of fence, 25.6 feet north of northwest corner of small grainery, 108 feet south of small brick pump house, 58 feet south of two mailboxes across highway, 6 feet north of ditch. A standard tablet stamped "NBA 6 1940" and set in concrete monument.

Reference Mark 1: 3.0 feet N 70° E to telephone pole no. 2
Reference Mark 2: 95.0 feet N 15° W to power pole in yard across highway.

Reference Mark 3: 101.5 feet N 50° W to 30-inch forked locust tree in yard across highway.

ELEVATION: 2664.965 feet or 812.283 meters (T-2)

NBA 7 (TVA, 1939; Haywood County, North Carolina)

Located 4.0 miles southwest of post office at Canton, on State Highway 110, 9.1 miles southeast of courthouse at Waynesville, on property of Mrs. W. J. Trull, 2.5 miles northeast of Bethel School, 1.5 miles northeast of Silver Bluff, on south side of highway, 100 feet from center line of highway, west side of T-road, 13.5 feet from center line of T-road, 54 feet north of northeast corner of Mrs. W. J. Trull's residence (two story frame), 2 feet east of hedge row, 27 feet south of yellow "Stop" sign, 60 feet north of front entrance to Mrs. W. J. Trull's residence, 85 feet south of concrete headwall of culvert at crossroad. A standard tablet stamped "NBA 7 1940" and set in concrete monument.

Reference Mark 1: 7.4 feet S 40° E to 30-inch willow oak.
Reference Mark 2: 51.0 feet S 80° W to 4-inch cherry tree in yard.
Reference Mark 3: 71.5 feet N 45° W to 5-inch maple tree in corner of yard.

ELEVATION: 2650.008 feet or 807.724 meters (T-2)

NBA 10 (TVA, 1939; Transylvania County, North Carolina)

Located 8.9 miles northwest of courthouse in Brevard, on U. S. Highway 276, 6.9 miles northwest of U. S. Post Office in Pisgah Forest, in Pisgah National Forest, on east side of highway, at south end of concrete and stone bridge at mouth of Looking Glass Creek, on left bank of creek, 7.6 feet northeast of southeast end of stone wall of bridge, 6 feet southwest of foot of bluff. A standard tablet stamped "NBA 10 1941" and set horizontally and flush in rock ledge.

Reference Mark 1: 16.3 feet N 65° W to southeast stone abutment corner of bridge.

Reference Mark 2: 32.3 feet N 15° E to 30-inch spruce pine tree.
Reference Mark 3: 21.0 feet S 35° W to center line of highway.

Note: Searched for but not recovered, June, 1945.
ELEVATION: 2270.245 feet or 691.972 meters (T-2)

NBA 11 (TVA, 1939; Transylvania County, North Carolina)

Located 7.8 miles north of courthouse in Brevard, on U. S. Highway 276 5.8 miles northwest of U. S. Post Office in Pisgah Forest, in the Pisgah National Forest, on east side of highway, 33 feet from center line of highway on 4 foot road bank, 9.5 feet east of top of bank, 100 feet southeast of center line of road where Forest Service telephone line crosses over road, 71 feet southeast of east end of 18-inch metal culvert with concrete headwall. A standard tablet stamped "NBA 11 1941" and set nearly flush in concrete post.

Reference Mark 1: 5.3 feet S 25° E to 10-inch white oak tree (painted PBM).

Reference Mark 2: 5.7 feet N 50° W to 5-inch sycamore tree (painted PBM).

Reference Mark 3: 4.1 feet N 45° E to 3-inch spruce pine tree.

ELEVATION: 2248.923 feet or 685.473 meters (T-2)

NBA 12 (TVA, 1939; Transylvania County, North Carolina)

Located 6.8 miles north of courthouse in Brevard, on U. S. Highway 276, 4.8 miles northwest of U. S. Post Office in Pisgah Forest, in Pisgah National Forest, 1.0 miles west of intersection of Avery Creek road with highway, on north side of highway, 29 feet from center line of highway, 35.5 feet north of west end culvert concrete headwall, approximately 600 feet northwest of house across Davidson River from BM, 13 feet northwest of ditch line. A standard tablet stamped "NBA 12 1941" and set in concrete post.

Reference Mark 1: 6.3 feet N 70° E to 10-inch poplar (painted PBM).

Reference Mark 2: 4.2 feet S 35° W to 10-inch poplar (painted PBM).

Reference Mark 3: 3.5 feet N 50° W to 4-inch dogwood tree.

ELEVATION: 2214.267 feet or 674.910 meters (T-2)

PILOT (USGS, 1934; Transylvania County, North Carolina)

Located about 8.0 miles north and west of Brevard, in the Pisgah National Forest on a point known as Pilot Mountain. To reach from Brevard, follow U. S. Highway 276 north for 4.1 miles to the entrance of Pisgah Forest, thence left for 1.9 miles to temporary State Highway 284 to road left, turn left across bridge and follow main road for 5.2 miles to road fork 0.1 miles past a road left at a white and green garage, from road fork, follow road left 4.8 miles to a cross road in a low gap, from gap an excellent trail leads to right along ridge to top and station. Station is center of lookout shack.

GEODETIC POSITION: Lat. = 35°16'24.247"; Long. = 82°52'02.909" (G-3)

To Station	Geodetic Azimuth	Back Azimuth	Log. Meters	Distance Miles
Black Mt.	122°10'10.3"	302°08'05.7"	3.808533	4.0
Pisgah	210 42 31.8	30 46 22.0	4.293475	12.2

GRID POSITION (N. C.): X = 845,964.5; Y = 576,898.4 (G-3)

ELEVATION (EAVES): 5096 feet (T-5)

PISGAH (USC&GS, 1933; Haywood County, North Carolina)

Located on summit of Big Pisgah Mountain, about 25 miles from Asheville, To reach from Asheville, go west about 11 miles on routes 10 and 19, turn left at sign "Candler 1 mile", proceed to Candler, follow hard-surfaced road to foot of Mount Only, and continue to indicated parking place. Follow well-marked trail about 3/4 mile to summit of mountain, a sharp peak with low brushy growth and many outcropping rocks and boulders. Station is at north apex of triangular summit, 21 feet northwest of flat rock, and 29 feet north of inclined rock outcrop. Station is a standard bronze tablet wedged in a drill hole in outcropping bedrock.

Reference marks are standard bronze tablets with the arrows pointing toward the station wedged in a drill hole in outcropping bedrock.

Reference mark 1 is on top of summit, and 9.176 meters (30.10 feet) from station in geodetic azimuth 340°05'.

Reference mark 2 is down southwest slope of mountain, and 15.225 meters (49.95 feet) from station in geodetic azimuth 23°59'.

Azimuth mark is fire tower at Spivey.

GEODETIC POSITION: Lat. = 35°25'32.415"; Long. = 82°45'25.017" (C-1)

To Station	Geodetic Azimuth	Back Azimuth	Log. Meters	Distance Miles
Britten	214°36'40.20"	34°45'24.64"	4.6008710	24.8
Bearwallow	263 46 02.81	83 59 57.23	4.5622774	22.7

GRID POSITION (N. C.): X = 881,025.59; Y = 631,009.42 (C-1)

ELEVATION: 5721 feet (T-5)

R 35 (TVA, 1940; Haywood County, North Carolina)

Located 0.6 miles southeast of Deep Gap, by way of trail. Nail in root of 6-inch twin maple tree.

ELEVATION: 4461.523 feet or 1359.875 meters (T-2)

R 36 (TVA, 1940; Haywood County, North Carolina)

Located about 1 mile southeast from Deep Gap, by way of trail, 50 feet east of intersection of creek and old tram road, north of tram road, 100 yards northeast along road from intersection of log trail and road. Nail in root of 26-inch stump.

ELEVATION: 3829.763 feet or 1167.314 meters (T-2)

R 37 (TVA, 1940; Haywood County, North Carolina)

Located approximately 2-1/2 miles north of Haywood Gap, by way of trail, and on right bank of Middle Prong West Fork Pigeon River, on east side of old railroad track, about 75 feet south of point where railroad crosses Middle Prong, approximately 300 feet upstream from mouth of Big Beartrap Branch. A chiseled square at bottom of 2-1/2-foot boulder which protrudes in trail.

ELEVATION: 3860.484 feet or 1176.678 meters (T-2)

R 38 (TVA, 1940; Haywood County, North Carolina)

Located 0.6 miles north by trail, from Haywood Gap, at sharp hairpin curve on trail, 200 feet south of first large creek intersection from west, 30 feet above creek intersection. A chiseled square on boulder in trail.

ELEVATION: 4661.746 feet or 1420.903 meters (T-2)

R 38 A (TVA, 1940; Jackson County, North Carolina)

Located 0.3 miles south from Haywood Gap, by trail, on south edge of trail at point where trail make right angle bend to west, 300 feet north of steep approach from south. Trail follows top of ridge down mountain. A nail in root of 16-inch red oak tree.

ELEVATION: 4926.339 feet or 1501.551 meters (T-2)

R 42 (TVA, 1940; Haywood County, North Carolina)

Located in vicinity of Silver Bluff, at mouth of East Fork Pigeon River, 0.2 miles southwest of county farm. A chiseled square on northeast end of

of north wingwall of bridge over East Fork Pigeon River.
ELEVATION: 2654.358 feet or 809.050 meters (T-2)

R 66 (TVA, 11941; Transylvania County, North Carolina)
Located 2 miles southwest of Farlow Gap, 21 feet west of west bank of Chestnut Creek, 1 mile east along trail from intersection of Courthouse Creek road and Farlow Gap trail, in north edge of trail. Nail in root of 60-inch spruce tree.
ELEVATION: 3696.226 feet or 1126.612 meters (T-2)

R 67 (TVA, 1940; Jackson County, North Carolina)
Located 18.5 miles northwest of post office at Rosman by way of Tennessee Bald Road, and in Cathey Gap, 1/2 mile southeast of Charley Creek School, 25 feet south of road, 48 feet south of 26-inch hickory tree, 69 feet east of 20-inch twin oak tree. A chiseled square on rock outcrop.
Note: Searched for but not recovered, August, 1945.
ELEVATION: 4076.120 feet or 1242.404 meters (T-2)

R 141 (USC&GS, 1935; Haywood County, North Carolina)
Located 25.8 miles southwest of Buncombe County Courthouse in Asheville, on U. S. Highways 19 and 23 and Pisgah Highway, 14.9 miles southwest of U. S. Post Office in Candler via Pisgah Highway, on right-of-way, 1.1 miles southwest of Buch Spring Gap, 0.2 miles north of "Pisgah Inn" sign at Flat Laurel Gap, on north slope of Pisgah Ridge, on west side of Pisgah Highway, 15 feet from center line of highway, 250 feet south of sharp curve, 2 feet east of barbed wire fence. A standard tablet set flush and horizontally in rock outcrop.

Reference Mark 1: 32.0 feet N 20° W to 10-inch chestnut snag (painted BM).

Reference Mark 2: 11.3 feet S 20° E to 16-inch red oak tree.

Reference Mark 3: 15.0 feet N 60° E to center line of highway.

ELEVATION: 4960.207 feet or 1511.874 meters (T-2)

ROCKY FACE (USGS, 1934; Haywood County, North Carolina)
Located 11 miles east and south of Waynesville, 4.5 miles east of Silver Bluff Store, 3-3/4 miles northwest of Big Pisgah Mountain, on the most southerly high point of Rocky Face Mountain, at center of round top, 11.8 feet north of three point fence corner, 3.2 feet east of north and south fence line on east side of timber line, southwest corner of cleared pasture. To reach from Waynesville, take U. S. Highway 276 east for 13.1 miles, turn left up creek road through woods gate and follow main road for 1.2 miles to home of Perry Cook, walk to right through pole gate up sled road to the home of Roosevelt Pressley, turn right around hill and across pasture to main lead toward high top (walking a distance of 1-1/2 miles). To reach from Cruso, drive north on Pisgah Creek road about 1 mile to fork, turn left up Chinquapin Branch about 3 miles to house, about 1000 feet south of gap (end of truck travel). Go left about 1/2 mile along trail to station. A bronze tablet stamped "ROCKY FACE 1934" and cemented in rock set in place

Reference Mark 1: 31.46 feet N 80° E to drill hole in rock.

Reference Mark 2: 27.6 feet N 25° W to drill hole in rock.

Reference Mark 3: 24.6 feet S 75° W to drill hole in rock.

GEODETIC POSITION: Lat. = 35°27'55.627"; Long. = 82°48'01.298" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Sentell	101°19'02.4"	281°14'37.5"	4.069505	7.3
Smathers	198 27 07.7	18 27 53.9	3.802860	3.9
Pisgah	318 13 18.8	138 14 49.4	3.772123	3.7

GRID POSITION (N. C.): X = 868,656.3; Y = 645,969.3 (G-3)

ELEVATION: 4778 feet (T-5)

RV 25 (Southern Railway, 1932; Haywood County, North Carolina)
Located at Waynesville, at the Southern Railway station, at the southwest end of the umbrella shed, about 30 feet northeast of the southwest end of the station platform, on the southeast side of the station, in the southeast curb of the concrete platform, and 3.7 feet northwest of the northwest rail. A standard monel-metal rivet, stamped "RV 25".
ELEVATION: 2638.715 feet or 804.282 meters (C-2)

S 141 (USC&GS, 1935; Transylvania County, North Carolina)
Located 15.8 miles southwest of U. S. Post Office in Candler, by way of Pisgah Highways 64 and 276, on Pisgah Highway right-of-way, 0.4 miles east of Frying Pan Gap Camp Ground, 0.7 miles southwest of "Flat Laurel Gap Pisgah Inn" sign, on north side of road, 20 feet from center line of road, 250 feet southwest of 10-foot vertical rock cut on north side of road, 135 feet southwest of north end of 18-inch metal culvert, 4.9 feet northeast of "National Forest Public Camp Ground" sign, on 4 foot bank in sand. A standard tablet set in concrete post.

Reference Mark 1: 4.9 feet S 10° W to west post of "National Forest Public Camp Ground" sign.

Reference Mark 2: 74.3 feet N 60° E to 15-inch forked red oak tree (painted BM).

Reference Mark 3: 49.0 feet S 35° E to 20-inch white oak tree.

ELEVATION: 4927.300 feet or 1501.844 meters (T-2)

SENTELL (USC&GS, 1933; Haywood County, North Carolina)
Located about 3-1/2 miles east of Waynesville and 3-1/2 miles a little west of south of Clyde, on highest point of range of hills. To reach from Waynesville, go east about 3.4 miles on route 284 to top of gap at Pigeon Gap, follow badly washed-out wagon road which leads east parallel to highway and then turns left up mountain, continue about 3/4 mile to abandoned house and barn, and keep straight ahead over broad trail to station site about 3/4 mile distance. Station is 25.5 feet west of twin 30-inch chestnut trees, 13 feet northeast of 15-inch hickory tree, and about 9 feet north of barbed wire fence. Surface mark is a standard bronze tablet wedged in a drill hole in a boulder. Underground mark is a standard bronze tablet wedged in a drill hole, in a boulder 3 feet below the ground.

Reference marks are standard bronze tablets, with the arrows pointing toward the station each wedged in a drill hole in a boulder.

Reference mark 1 is on downward slope in line with Clyde, and 16.750 meters (54.95 feet) from station in geodetic azimuth 172°51'.

Reference mark 2 (azimuth mark) is in saddle of ridge, 3 feet north of wire fence corner, and 400 feet from station.

Reference mark 3 is on downward slope of ridge, 3 feet west of large chestnut tree, 5 feet north of wire fence, and 26.666 meters (87.49 feet) from station in geodetic azimuth 280°02'.

GEODETIC POSITION: Lat. = 35°29'10.116"; Long. = 82°55'37.804" (C-1)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Water Rock	82°44'30.66"	262°37'10.64"	4.2849225	12.0
Sandymush	190 38 05.17	10 39 38.48	4.3394949	13.6
Pisgah	293 25 12.39	113 31 07.85	4.2265033	10.5

Azimuth mark,
R.M. no. 2 226 24 39.3

GRID POSITION (N. C.): X = 831,223.80; Y = 654,963.39 (C-1)

ELEVATION: 4377 feet (T-5)

SILVERMINE (USGS, 1934; Transylvania County, North Carolina)
Located 13 miles (airline) southeast of Waynesville, 7-1/4 miles (airline) southwest of Cruso Post Office, 1 mile north of Haywood-Buncombe County line and Pisgah Ridge, 2 miles west of Yellowstone Falls, highest point of north end of flat burned over top. To reach from Waynesville, take U. S. Highway 276 east 18.0 miles, which is 1.8 miles beyond Cruso, turn right up Crawford Creek 3.4 miles to logging camp, leave car and follow logging road to gap north of Shining Rock Mountain, follow old railroad bed on the west side of ridge to top and station (walking distance of 5.5 miles). A standard bronze tablet stamped "SILVERMINE 1934" and set in rock set in place.

Reference Mark 1: 14.8 feet N 66° W to drill hole in rock.

Reference Mark 2: 10.1 feet S 45° W to drill hole in rock.

Reference Mark 3: 10.9 feet S 68° E to drill hole in rock.

GEODETIC POSITION: Lat. = 35°19'39.816"; Long. = 82°52'28.672" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Black Mt.	61°31'29.6"	241°29'40.0"	3.736877	3.4
Balsam	112 36 28.4	292 32 27.8	4.056189	7.1
Lickstone	140 51 38.6	320 48 16.3	4.145535	8.7
Pisgah	224 30 26.0	44 34 31.4	4.183150	9.5

GRID POSITION (N. C.): X = 844,601.6; Y = 596,737.6 (G-3)

ELEVATION: 6214 feet (T-5)

T 141 (USC&GS, 1935; Transylvania County, North Carolina)
Located 16.9 miles southwest of U. S. Post Office in Candler, by way of Pisgah Highway, 20.4 miles northwest of courthouse in Brevard, by way of U. S. Highways 64 and 276, on Pisgah Highway right-of-way, 1.9 miles southwest of "Flat Laurel Gap Pisgah Inn" sign, 0.8 miles southwest of Frying Pan Gap Camp Ground on southeast side of road, 24 feet from center line of road, outside of sharp curve, set in old bed. A standard tablet set in concrete post.

Reference Mark 1: 19.0 feet N 50° E to 12-inch red oak (painted BM).

Reference Mark 2: 15.2 feet S 40° E to 6-inch red oak tree.

Reference Mark 3: 26.0 feet Due South to 15-inch red oak tree.

ELEVATION: 4818.698 feet or 1468.742 meters (T-2)

U 141 (USC&GS, 1935; Transylvania County, North Carolina)
Located about 0.7 miles north from Wagon Road Gap, where road intersects with U. S. Highway 276, on Pisgah Ridge, about 4 miles southwest of Mt. Pisgah 17.9 miles southwest of U. S. Post Office at Candler, by way of Pisgah Highway, 19.4 miles northwest of courthouse in Brevard, by way of U. S. Highways 64 and 276, on Pisgah Highway, in Pisgah National Forest, 6 yards west of center line of road, 2.9 miles southwest of "Flat Laurel Gap Pisgah Inn" sign, 1.8 miles southwest of Frying Pan Gap Camp Ground, 0.7 miles north of Wagon Road Gap, set in rock ledge 3 feet above foot of 24-foot rock bluff, 185 feet northeast of north end of 12-inch metal culvert, 134 feet southwest of north end of 12-inch metal culvert, approximately 4.5 feet above road. A standard tablet stamped "U 141 1935" and set horizontally on ledge of outcropping rock.

Reference Mark 1: 127.4 feet S 40° W to 15-inch red oak tree.

Reference Mark 2: 115.5 feet Due East to 10-inch locust tree.

Reference Mark 3: 23.0 feet Due South to center line of highway.

GRID POSITION (N. C.): X = 871,780.0; Y = 615,212.9 (T-4)

ELEVATION: 4683.101 feet or 1427.412 meters (T-2)

WAYNESVILLE (USC&GS, 1933; Haywood County, North Carolina)
Located in Green Hill Cemetery, Waynesville. To reach from court house in Waynesville, go southwest 0.6 miles on routes 19 and 23, and take left asphalt fork leading up grade to cemetery. Station is in northwest corner of cemetery, 20.55 feet west of curb around roadway, 7.05 feet west of double post on west side of road, and 32.3 feet from center of "W" in Wells on large monument. Surface mark is a standard bronze tablet set in the top of a square block or post of concrete. Underground mark is a block of concrete 3 feet below the ground containing at the center of its upper surface a standard bronze tablet.

Reference Marks are standard bronze tablets, with the arrows pointing toward the station, each set at the center of the top of a square block or post of concrete.

Reference mark 1 is west of roadway which encircles cemetery, and 25.757 meters (84.50 feet) from station in geodetic azimuth 20°29'.

Reference mark 2 is on slope towards main asphalt road leading to cemetery, and 10.687 meters (35.06 feet) from station in geodetic azimuth 157°45'.

Reference mark 3 (azimuth mark) is 14 feet west of routes 19 and 23, about 20 yards north of asphalt road leading to cemetery, 3 feet west of first telephone and power line pole south of white house on west side of highway, and approximately 200 yards from station.

GEODETIC POSITION: Lat. = 35°29'03.601"; Long. = 82°59'28.832" (C-2)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Sandymush	204°24'54.7"	24°28'42.4"	4.376788	14.8
Pisgah	286 56 20.5	107 04 30.0	4.347364	13.8

Azimuth mark,
R.M. no. 3 184 19 57.9

GRID POSITION (N. C.): X = 812,108.40; Y = 655,067.01 (C-2)

Grid Azimuth to Azimuth Mark, R.M. no. 3: 186°38'11.2"

ELEVATION: 2819 feet (T-5)

WAYNESVILLE 1 (USGS, 1934; Haywood County, North Carolina)
Located 8 miles southeast of Waynesville, 2 miles southeast of Silver Bluff, 0.7 miles south of Dick Creek, on property of M. S. Farmer. To reach from Waynesville, take State Highway 276 east 9.4 miles, turn right up Dix Creek across bridge 0.7 miles, walk east 0.5 miles on round knob 15 feet northeast of center of highest point. A drill hole in center of triangle in top of rock set in place.

Reference Mark 1: 10.5 feet North to nail and washer in blaze in 8-inch persimmon.

Reference Mark 2: 2.8 feet N 25° E to nail and washer in blaze in 14-inch hickory.
Reference Mark 3: 11.7 feet S 14° E to nail and washer in blaze in 4-inch oak.

GEODETIC POSITION: Lat. = 35°26'54.758"; Long. = 82°51'55.162" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Lickstone	75°10'32.2"	255°06'50.1"	4.000137	6.2
Rocky Face	252 20 07.7	72 22 23.4	3.791581	3.8
Cold	349 58 36.2	169 58 53.7	3.640146	2.7

GRID POSITION (N. C.): X = 849,087.6; Y = 640,567.0 (G-3)
ELEVATION: 3662 feet (T-5)

WAYNESVILLE 2 (USGS, 1934; Haywood County, North Carolina)

Located 11 miles (airline) southeast of Waynesville, 4.5 miles southwest of Cruso Post Office, 2.5 miles south by west of Cold Mountain. To reach from Waynesville, take U. S. Highway 276 east 18.0 miles, which is 1.8 miles beyond Cruso Post Office, turn right 3.4 miles up Crawford Creek to logging camp, walk south up logging road to bridge, turn right on all main trails to gap north of Shining Rock, turn right 0.3 miles to highest point on Stairs Mountain and station which is about 75 feet northwest of clump of balsam trees on east slope of ridge and 200 feet north of rock bluff line on west slope. Drill hole in center of triangle on sharp pointed rock ledge.

GEODETIC POSITION: Lat. = 35°22'32.071"; Long. = 82°52'07.323" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Black	34°00'06.3"	213°58'04.1"	3.979584	5.9
Lickstone	120 35 32.3	300 31 57.3	4.036527	6.8
Sentell	156 36 47.9	336 34 45.9	4.126026	8.3

WAYNESVILLE 3 (USGS, 1934; Haywood County, North Carolina)

Located 11 miles (airline) southeast of Waynesville, 1 mile northeast of Cruso Post Office. To reach from Waynesville, take U. S. Highway 276 east 15 miles to bridge over East Fork Pigeon River, turn left to High Valley Summer Camp. Station is on top of cleared knob 0.5 miles east of Pigeon Creek bridge, 150 feet east of electric power line N 50° E of steel tower on top of ridge, and 1 foot east of fence corner at base of 10-inch dead tree used as fence post. Drill hole in top of rock set in place.

GEODETIC POSITION: Lat. = 35°25'56.419"; Long. = 82°48'19.688" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Rocky Face	187°11'36.3"	07°11'47.0"	3.568548	2.3
Pisgah	279 31 00.7	99 32 42.0	3.650092	2.8
Green Knob	357 19 00.3	177 19 09.5	3.924654	5.2

WAYNESVILLE 6 (USGS, 1934; Haywood County, North Carolina)

Located about 3 miles south of Waynesville, on a low ridge, on property of L. H. Bamlett. To reach from Waynesville, follow U. S. Highway 19 south for 1.7 miles to a road turning left between a Texaco filling station and a small concrete bridge, thence left 1.4 miles to old sawmill, thence left 0.7 miles to residence of Don Allen, from Allen's house, follow old trail in a northeasterly direction about 0.5 miles to station on high point of ridge. A steel axle projecting 7 inches above ground and set directly under signal.

Reference mark is a blazed triangle with nail in center on side of tree.

Report on Condition (TVA, October, 1940): Steel axle not recovered. Old signal pole in tree was still in place. 60d nail was centered under pole, driven in root of 12-inch dead chestnut and referenced to nails and copper washer as follows:

7.5 feet S 11° E to nail and washer in blaze on 5-inch birch.

8.4 feet S 45° W to nail and washer in blaze on 4-inch oak.

1.1 feet N 11° W to nail and washer in blaze on 12-inch dead chestnut.

Best approach 1940 is via Camp Creek to last house. Turn to south thru cleared hillside to gap, thence, along ridge southwest to station, about 100 feet west of high point.

GEODETIC POSITION: Lat. = 35°26'53.194"; Long. = 82°59'14.745" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Eagles Nest	137°24'48.2"	317°22'56.7"	3.854573	4.4
Chambers	208 38 14.6	28 41 02.6	4.181916	9.4
Lickstone	330 34 52.2	150 35 24.9	3.460712	1.8

GRID POSITION (N. C.): X = 812,742.9; Y = 641,847.0 (G-3)

ELEVATION: 4043 feet (T-5)

WAYNESVILLE 7 (USGS, 1934; Haywood County, North Carolina)

Located 5 miles southeast of Waynesville, on low ridge on property of C. S. Inman, near village of Retreat. To reach from Waynesville Post Office, follow U. S. Highway 276 east 6.7 miles to village of Bethel, turn right on Lake Logan road and continue 2.7 miles to road right at small wooden bridge which is 0.7 miles beyond village of Retreat, follow road right 0.7 miles to residence of C. S. Inman. Flag is on east end of ridge about 0.5 miles southwest of Inman's house. Various trails lead to top of ridge. Drill hole in top of rock set in place.

Reference mark is a blazed triangle with nail in center of tree.

GEODETIC POSITION: Lat. = 35°26'45.313"; Long. = 82°55'36.645" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Lickstone	60°53'58.4"	240°52'24.5"	3.669576	2.9
Sentell	179 37 29.7	359 37 29.0	3.649596	2.8
Rocky Face	259 16 34.7	79 20 58.8	4.067636	7.3

WAYNESVILLE 8 (USGS, 1934; Haywood County, North Carolina)

Located 9.0 miles southeast of Waynesville, on highest point of Fork Mountain (known as High Top), on property of Sherwood Forest Co. To reach from Waynesville, follow U. S. Highway 276 east 6.7 miles to Bethel, turn right on Lake Logan road and follow main road 5.3 miles to T-road, thence right 4.9 miles to site of Old Sunburst Lumber Company (at what is locally known as Three Forks), from here follow ridge that takes off northeast of junction of main creek and east of fork that runs in a northeasterly direction about 2.5 miles to signal. Drill hole in top of rock set in place.

GEODETIC POSITION: Lat. = 35°23'03.816"; Long. = 82°54'58.482" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Balsam	74°06'10.4"	254°03'36.1"	3.844614	4.3
Lickstone	132 04 05.2	312 02 09.3	3.832312	4.2
Sentell	174 58 54.9	354 58 32.1	4.054316	7.0

GRID POSITION (N. C.): X = 833,012.3; Y = 617,831.9 (G-3)

WAYNESVILLE 9 (USGS, 1934; Transylvania County, North Carolina)

Located 6 miles northwest of Brevard, on highest point of Looking Glass Mountain in Pisgah National Forest. To reach from Brevard Post Office, follow U. S. Highway 276 north for 4.1 miles to entrance of Pisgah Forest, thence left for 1.9 miles on temporary State Highway 284 to road left, turn left across bridge and follow main road 3.9 miles to a point 0.4 miles past wooden bridge over Looking Glass Creek. There is a short stretch of new road here and a new trail leads from last steel culvert on new road to top. Trail is very brushy at junction with road but well defined to top, a distance of about 2.5 miles in a northerly direction. Drill hole in top of rock set in place in center of trail.

Reference mark is blazed triangle with nail in center on tree.

The following references were established November 19, 1940:

Reference Mark 1: 5.50 feet S 45° W to 16-inch red oak.

Reference Mark 2: 11.45 feet N 31° W to 10-inch Spanish oak.

Reference Mark 3: 17.00 feet N 35° E to 16-inch Spanish oak.

GEODETIC POSITION: Lat. = 35°18'13.411"; Long. = 82°47'36.533" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Cedar	07°49'54.4"	187°49'38.0"	3.718921	3.3
Green Knob	173 14 21.7	353 14 05.7	3.771738	3.7
Pink	243 38 30.8	63 40 34.2	3.779481	3.7

GRID POSITION (N. C.): X = 868,454.5; Y = 587,074.2 (G-3)

ELEVATION: 3969 feet (T-5)

WAYNESVILLE 12 (USGS, 1934; Jackson County, North Carolina)

Located about 14 miles south of Waynesville, and about 10.5 miles east of Cullowhee, on property of Blackwood Lumber Company. To reach from junctions of U. S. Highway 107 and State Highway 281 at Tuckasee Post Office, take U. S. Highway 276 for a distance of 9 miles to side road (locally known as road leading to Mr. Riley's place on Sugar Creek Gap), thence turn left on mountain road leading in a northerly direction for a distance of 1.4 miles, leave car and take trail leading in a northeasterly direction for about 1 mile to Sugar Creek Gap, thence turn right on ridge trail leading in an easterly direction for about 1/2 mile to station. A 3/4-inch drill hole with triangle chipped around it in rock outcrop on crest of Rich Mountain Bald.

Note: It is possible (1941) to drive into Sugar Creek Gap.

GEODETIC POSITION: Lat. = 35°17'42.425"; Long. = 82°59'51.571" (G-3)

To Station	Geodetic Azimuths		Distance	
	Azimuth	Back Azimuth	Log. Meters	Miles
Highlands 8	37°16'12.4"	217°13'14.5"	4.109758	8.0
Cullowhee	70 13 14.5	250 07 34.0	4.199784	9.8
Rich	84 22 16.6	264 20 57.1	3.543232	2.2

GRID POSITION (N. C.): X = 807,457.1; Y = 586,334.2 (G-3)

ELEVATION: 5583 feet (T-5)

WD 10 (TVA, 1940; Haywood County, North Carolina)

Located 1 mile north of Cruso (school building) on U. S. Highway 276, on the highway right-of-way, 200 feet east of old bridge (destroyed), in rock cut, 15 feet east of center line of road. High point on rock, painted.

ELEVATION: 2872.858 feet or 875.649 meters (T-2)

WD 11 (TVA, 1940; Haywood County, North Carolina)

Located 3 miles south of Cruso, on U. S. Highway 276, on highway right-of-way, 150 feet northeast of unpainted one story box house in apple orchard, on nose of ridge, 75 feet south of creek, 25 feet west of center line of highway, 8 feet north of center line of driveway, opposite fence corner at northwest corner of apple orchard on east side of highway. Painted cross on high point on rock.

ELEVATION: 3222.120 feet or 982.104 meters (T-2)