

SURVEY CONTROL DATA IN QUADRANGLE 167

A 47 (US&GS, 1932; Macon County, North Carolina)

Located 3.0 miles north along the Tallulah Falls Railway from Dillard, about 175 feet north of milepost 45, 260 feet south of the center of Norton crossing, 15 feet east of the east rail of the main track. A standard tablet stamped "2091.954 A 47 1932" and set in the top of a concrete post projecting about 3 inches above ground.

ELEVATION: 2091.863 feet or 637.601 meters (C-1)

A 55 (US&GS, 1934; Macon County, North Carolina)

Located 6.4 miles southeast along U.S. Highway 64 from Franklin, 1.8 miles northwest of the post office at Oneisa, about 50 yards west of a road leading north to the A. J. Evans cottage, about 2 yards north of a corner fence post, and 8 yards north of the center line of the highway. A standard tablet stamped "2107.492 A 55 1934" and set in concrete monument projecting 1-1/2 inches above ground.

ELEVATION: 2107.355 feet or 642.323 meters (C-2)

B 47 (US&GS, 1932; Macon County, North Carolina)

Located 0.2 miles north along the Tallulah Falls Railway from Otto, 990 feet north of milepost 48, 50 feet south of the south end of a cut in the railroad, 75 feet west of the Little Tennessee River, 36 feet southwest of the center of a crossing, 27 feet east of the center line of U.S. Highway 23, and 16 feet west of the west rail. A standard tablet stamped "2062.470 B 47 1932" and set in the top of a concrete post.

ELEVATION: 2062.374 feet or 628.613 meters (C-1)

BM 107 (US&GS, 1932; Macon County, North Carolina)

Located at Franklin, opposite the north end of the Tallulah Falls Railway station, 35 feet northeast of a Standard Oil Station, and on the southeast corner of the concrete pedestal of a signpost. A chiseled circle.

ELEVATION: 2011.613 feet or 613.141 meters (C-1)

BM 123 (US&GS, 1932; Macon County, North Carolina)

Located 3.4 miles north along U.S. Highway 23 from Franklin, at a 24-inch culvert, at the southwest end of the northwest headwall, and 6 feet lower than the pavement. A chiseled circle.

ELEVATION: 2099.773 feet or 640.012 meters (C-1)

BM 126 (US&GS, 1932; Macon County, North Carolina)

Located 5 miles north along U.S. Highway 23 from the post office at Franklin, at a 6- by 8-foot skew concrete culvert, and on the southwest corner of the west headwall. A chiseled square, marked "126".

ELEVATION: 2161.990 feet or 658.976 meters (C-1)

BM 127 (US&GS, 1932; Macon County, North Carolina)

Located 5.3 miles north along U.S. Highway 23 from Franklin, on the Franklin side of the "Big Hill" at a 6- by 14-foot culvert, and on the northwest corner of the north coping of the northwest headwall. A chiseled square marked "127".

ELEVATION: 2215.120 feet or 675.170 meters (C-1)

BM 134 (US&GS, 1932; Macon County, North Carolina)

Located 7.4 miles north along U.S. Highway 23 from Franklin, 108 feet north of a 24-inch iron pipe culvert, 15 feet north of the south end of a deep cut, 8 feet northwest of the northwest edge of the pavement, and opposite a slab chiseled "134" on the top of a rock about 1 foot high. A chiseled circle.

NOTE: Searched for but not recovered, January 1946.

ELEVATION: 2880.591 feet or 878.006 meters (C-1)

BM 2031.1 (USGS, 1936; Macon County, North Carolina)

Located at Moody Farm, 4.8 miles northwest along State Highway 28, and county road from courthouse at Franklin, 40 feet north of triangle at road fork, 6 inches south of bottom step at entrance to lawn. A chiseled square in concrete base painted "US 2031.1 BM".

ELEVATION: 2030.96 feet (G-3)

BM 2037.4 (USGS, 1936; Macon County, North Carolina)

Located 0.44 miles west of courthouse at Franklin, on Highway 64, 30 feet northwest of crossroads intersection on northwest corner of north end of concrete highway culvert. A chiseled square, painted "US 2037.4 BM".

ELEVATION: 2037.39 feet (G-3)

BM 2044.7 (USGS, 1936; Macon County, North Carolina)

Located 5.4 miles northwest of Franklin, 0.6 miles west of Moody Farm, in front yard of W. R. Fouts, 20 feet north of center line of road, 15 feet south of front entrance to house, in root on southeast side of 15-inch maple tree. A copper nail and washer, painted "US 2044.7 BM".

ELEVATION: 2044.57 feet (G-3)

BM 2046.2 (USGS, 1936; Macon County, North Carolina)

Located 1.5 miles northwest of courthouse at Franklin, 60 feet northeast of east end of concrete culvert, on State Highway 28, 130 feet northeast of private T-road east, at west edge of small drain, in root on northwest side of 14-inch wild cherry tree. A copper nail and washer, painted "US 2046.2 BM".

ELEVATION: 2046.11 feet (G-3)

BM 2070.8 (USGS, 1936; Macon County, North Carolina)

Located 1.0 miles southwest of Franklin, on U.S. Highway 64, 35 feet northwest of road fork, 35 feet west of center line of highway, in root on south side of 30-inch oak tree. A copper nail and washer.

ELEVATION: 2070.75 feet (G-3)

BM 2077.6 (USGS, 1936; Macon County, North Carolina)

Located 2.9 miles southwest of Franklin, on U.S. Highway 64, 35 feet east and 15 feet north of T-road south, on northeast corner of north headwall of concrete culvert. A chiseled square.

ELEVATION: 2077.55 feet (G-3)

BM 2107.1 (USGS, 1936; Macon County, North Carolina)

Located 6.0 miles southwest of Franklin, on U.S. Highway 64, on southeast corner of south headwall of concrete highway bridge over Cartoogechaye Creek. A chiseled square, painted "US 2107.1 BM".

ELEVATION: 2107.23 feet (G-3)

BM 2120.0 (USGS, 1936; Macon County, North Carolina)

Located 2.0 miles northwest of courthouse at Franklin, on State Highway 28, 300 feet southeast of Y-road forks, 250 feet east of residence, 40 feet east of center line of highway, 15 feet above level of road, in root on west side of 14-inch twin oak tree. A copper nail and washer, painted "US 2120.0 BM".

ELEVATION: 2120.03 feet (G-3)

BM 2137.2 (USGS, 1936; Macon County, North Carolina)

Located 5.9 miles west along U.S. Highway 64 and county road from Franklin, 0.9 miles west of intersection of county road and highway, 20 feet south of center line of road, in root on north side of 12-inch locust tree. A copper nail and washer, painted "US 2137.2 BM".

ELEVATION: 2137.34 feet (G-3)

BM 2143.2 (USGS, 1936; Macon County, North Carolina)

Located 5.6 miles southwest of Franklin, 130 feet southwest of road fork, on crest of ridge, 130 feet northwest of Mt. Hope Church, 45 feet south of center line of U.S. Highway 64, in root on east side of 18-inch maple tree. A copper nail and washer, painted "US 2143.2 BM".

ELEVATION: 2143.10 feet (G-3)

BM 2145.9 A (USGS, 1936; Macon County, North Carolina)

Located 1.9 miles southwest of Franklin, on U.S. Highway 64, 200 feet west of road fork, 20 feet south of road (dirt) 120 feet northwest of center line of highway, in root on north side of 15-inch walnut tree. A copper nail and washer, painted "US 2145.9 BM".

ELEVATION: 2145.95 feet (G-3)

BM 2150.0 (USGS, 1936; Macon County, North Carolina)

Located 0.95 miles northwest of courthouse at Franklin, on State Highway 28, 150 feet southwest of road fork west of prison camp, 50 feet west of center line of highway, in root on east side of 16-inch oak tree. A copper nail and washer, painted "US 2150.0 BM".

ELEVATION: 2149.97 feet (G-3)

BM 2171.6 (USGS, 1936; Macon County, North Carolina)

Located 1.8 miles southwest of Yonces store, 5.5 miles east of Burnington Gap, 70 feet south of residence, 40 feet northwest of center line of road in root on east side of 14-inch poplar tree. A copper nail and washer, painted "US 2171.6 BM".

ELEVATION: 2172.574 feet or 662.202 meters (T-2)

BM 2182.6 (USGS, 1936; Macon County, North Carolina)

Located 8.3 miles southwest of Franklin, 40 feet south of southwest corner of Cartoogechaye Church, in root on north side of 30-inch mah tree, on U.S. Highway 64, 125 feet southwest of intersection of T-road south, 80 feet south of highway. A copper nail and washer, painted "US 2182.6 BM".

ELEVATION: 2183.28 feet (G-3)

BM 2184.0 (USGS, 1936; Macon County, North Carolina)

Located 3.0 miles northwest thence 0.7 miles west from Franklin, 190 feet northwest of gap, 100 feet northwest of private road fork north, 25 feet north of center line of road, in root on south side of 20-inch oak tree. A copper nail and washer painted "US 2184.0 BM".

NOTE: Searched for but not recovered, January 1946.

ELEVATION: 2183.94 feet (G-3)

BM 2192.6 (USGS, 1936; Macon County, North Carolina)

Located 1.8 miles west of Moody Farm, 120 feet east of road fork at crest of ridge, on bank at south edge of old road, about 150 feet north of house, in root on north side of 14-inch oak tree. A copper nail and washer, painted "US 2192.6 BM".

ELEVATION: 2193.54 feet (G-3)

BM 2222.6 (USGS, 1936; Macon County, North Carolina)

Located 5.3 miles southwest, thence 2.0 miles west from Franklin, 40 feet northwest of small drain crossing, 35 feet north of road, in root on southeast side of 12-inch beech tree. A copper nail and washer, painted "US 2222.6 BM".

ELEVATION: 2222.72 feet (G-3)

BM 2258.6 (USGS, 1936; Macon County, North Carolina)

Located 0.33 miles south of BM 3, on east end of south guard rail of concrete highway bridge. A chiseled square.

ELEVATION: 2258.54 feet (G-3)

BM 2271.6 (USGS, 1936; Macon County, North Carolina)

Located 6.9 miles southwest of Franklin, at crest of ridge, 100 feet northwest of T-road intersection, 180 feet west of Mt. Zion Methodist Church, in root on southwest side of 12-inch maple tree, on U.S. Highway 64, 30 feet north of center line of highway. A copper nail and washer, painted "US 2271.6 BM".

ELEVATION: 2171.86 feet (G-3)

BM 2310.6 (USGS, 1936; Macon County, North Carolina)

Located 10.2 miles southwest of Franklin, at edge of woods, 160 feet north of curve, in root on east side of 8-inch oak tree, on U.S. Highway 64, 40 feet west of center line of road. A copper nail and washer, painted "US 2310.6 BM".

ELEVATION: 2310.97 feet (G-3)

BM 2522.7 (USGS, 1936; Macon County, North Carolina)

Located 11.0 miles southwest of Franklin, on U.S. Highway 64, 60 feet southeast of cut, in root on northwest side of 30-inch chestnut tree, 50 feet south of center line of road. A copper nail and washer, painted "US 2522.7 BM".

NOTE: Searched for, but not recovered, August 1946.

ELEVATION: 2523.28 feet (G-3)

BUCK KNOB (USGS, 1934; Macon County, North Carolina)

Located 12-1/2 miles (airline) northeast of Clayton, and 10 miles (airline) southeast of Franklin. To reach from junction of U.S. Highway 23 and State Highway 106, go northeast along State Highway 8.6 miles to Scaly School. Turn left, and go 0.4 miles to intersection, turn left and go 1.7 miles to where road narrows to trail. Leave car, and go northwest 0.4 miles

to high top known as Buck Knob. Station is located on highest point of top. Station is standard tablet stamped "BUCK KNOB 1934", set flush with ground in top of boulder.

Reference Mark 1: 36.9 feet N 08° E to drill hole set in rock outcrop.
Reference Mark 2: 42.5 feet N 86° E to drill hole in rock set in place.
Reference Mark 3: 74.2 feet S 65° E to drill hole in rock set in place.
GEODETIC POSITION: Lat. = 35°02'41.460"; Long. = 83°20'07.003" (G-3)

To Station	Azimuth	Back Azimuth	Log Meters	Miles
Standing Indian	86°47'11.3"	266°40'12.0"	4.268072	11.5
Fish Back	199 58 02.5	19 58 51.0	3.797016	3.9
Rabun 2	339 51 35.9	159 52 48.9	3.972114	5.8

GRID POSITION (N.C.): X = 702,826.7; Y = 499,567.5 (G-3)
GRID POSITION (Ga. West): X = 748,849.7; Y = 1,836,274.6 (G-3)
ELEVATION: 3902 feet (T-5)

C 47 (USC&GS, 1932; Macon County, North Carolina)

Located 1.7 miles south along the Tallulah Falls Railway from Prentiss, 0.3 miles north of milepost 51, about 1900 feet northeast of a concrete bridge on U.S. Highway 23, about 1/4 mile east of the highway, 38 feet northwest of the center of a road crossing, 34 feet northwest of the center line of a road and 32.5 feet west of the west rail. A standard tablet stamped "2045.966 C 47 1932" and set in the top of a concrete post, projecting about 3 inches above ground.

ELEVATION: 2045.966 feet or 623.610 meters (C-1)

C 55 (USC&GS, 1934; Macon County, North Carolina)

Located 8.5 miles northwest along U.S. Highway 64 from Highlands, 1.9 miles southeast of the post office at Geasia, at a curve, 0.5 miles east of the falls of the Cullasaja River, and about 10 yards east of the center line of the Highway 64, 80 feet north of center line of Brush Creek. A standard tablet stamped "2708.492 C 55, 1934" and set in concrete monument projecting about 5 inches above ground.

ELEVATION: 2708.492 feet or 825.500 meters (C-2)

CHS 136 (TVA, 1942; Jackson and Macon Counties, North Carolina)

Located in the northwest corner of Quadrangle 167 northeast. To reach from post office at Franklin, drive northeast on U.S. Highway 23, 11.8 miles to north side of Watauga Mountain, at Savannah Creek. Turn right up Savannah Creek, go 3.1 miles to Y-road intersection. Keep right, go 1.2 miles along mainly traveled road to Y-road intersection. Turn left and go 1.3 miles along poor mountain road to low gap. Turn right along center line of ridge on old log road, go 0.4 miles to highest point on ridge. Angle iron is approximately 100 feet west of high point, 80 feet west of rail fence, and 10 feet north of another rail fence, 1 foot east of stump. A 1-by-1-inch angle iron.

Reference Mark 1: 12.95 feet S 65° E to fence post.
Reference Mark 2: 12.08 feet West to stump.
Reference Mark 3: 15.25 feet S 38° W to 10-inch oak.
GEODETIC POSITION (N.C.): X = 728,700.5; Y = 566,334.0 (T-4)
ELEVATION: 4079 feet (T-5)

CHS 137 (TVA, 1942; Jackson and Macon Counties, North Carolina)

Located in northeast corner of Quadrangle 167. To reach from post office at Franklin, drive northeast on Highway 23 11.8 miles to north side (at foot) of Watauga Mountain. Turn right at Y-road up Savannah Creek. Go 1.85 miles along graded road to Y-road intersection. Turn right along very poor road up hollow. Go 0.9 miles to farm house on left and wooded on right. Leave car. Walk west, passing barn at 100 feet. Go approximately 600 feet along fence line to high point on center line of ridge. Follow ridge northwest approximately 700 feet to wire fence along center line of ridge. Turn left up steep slope. Follow fence approximately 800 feet to highest point on ridge. Station is S 06° E 31 feet from highest point, 5 feet east of fence line. A 1-by-1-inch angle iron.

Reference Mark 1: 10.08 feet N 26° W to 12-inch hickory.
Reference Mark 2: 15.30 feet S 77° E to 36-inch locust.
Reference Mark 3: 17.20 feet S 07° E to 36-inch oak.
GRID POSITION (N.C.): X = 718,090.8; Y = 570,573.1 (T-4)
ELEVATION: 3726 feet (T-5)

CHS 146 (TVA, 1942; Macon County, North Carolina)

Located in east central portion of Quadrangle 167. To reach from post office at Franklin, drive northeast on Highway 23, 0.5 miles, turn right on Highway 64, go 4.8 miles. Turn left at Clark's Service Station up Ellijay Creek Road, go 2.0 miles, turn right at T-road intersection. Go 2.6 miles and turn right at T-road up south prong of Ellijay Creek to post office at Ellijay. Go 1.8 miles to Y-road intersection at sharp curve in road. Leave car and go left up point of ridge approximately 500 feet to station. Angle iron is approximately 20 feet north of center line of ridge and path about 40 feet west of large evergreen tree. A 1-by-1-inch angle iron.

Reference Mark 1: 1.90 feet S 70° E to nail in 10-inch oak (signal tree).
Reference Mark 2: 3.42 feet S 41° W to nail in 4-inch oak.
Reference Mark 3: 6.52 feet N 53° W to nail in 4-inch laurel bush.
GRID POSITION (N.C.): X = 729,136.2; Y = 552,274.3 (T-4)
ELEVATION: 2983 feet (T-5)

CHS 147 (TVA, 1942; Macon County, North Carolina)

Located 5 miles (airline) west of Franklin. To reach from Franklin Courthouse, go north on State Highway 28 about 2.8 miles to intersection of T-road west. Turn left and go about 5 miles to intersection at Yancey's store. Turn left and go about 2.3 miles to Y-road intersection. Go straight ahead 0.4 miles to Downes Branch. Turn left up very dim road, go 0.9 miles to Y-road intersection. Turn left and go approximately 0.4 miles to farm house and end of truck travel. Leave car and go right approximately 500 feet to south of hollow. Turn left and go approximately 700 feet to first intersection of hollow. Turn right and go approximately 800 feet to old house and field. Keep left and go 300 feet, turn right up hollow approximately 800 feet to Poplar Cove Gap and government trail. Turn left at government trail. Go 0.5 miles to high point known as Wildcat Knob. Keep straight ahead 0.85 miles to second high top known as Wilkes Knob. Turn right along center line of Trimont Ridge and government trail 0.35 miles to a point 450 feet west of Locust Tree Gap. Station is 15 feet south of center line of path at dead tree across same, 5 feet northwest of large oak tree and top is 0.7 feet above ground elevation. Station is an angle iron.

Reference Mark 1: 4.65 feet S 48° E to 36-inch oak (nail).
Reference Mark 2: 8.82 feet S 45° W to 4-inch hickory (nail).
Reference Mark 3: 9.43 feet N 09° W to 3-inch hickory (nail).

GRID POSITION (N.C.): X = 665,733.9; Y = 555,697.7 (T-4)
ELEVATION: 3442 feet (T-5)

CHS 148 (TVA, 1942; Macon County, North Carolina)

Located 5 miles (airline) west of Franklin. To reach from Franklin Courthouse, go southwest along U.S. Highway 64 about 5.0 miles to intersection with Wayah road. Go 0.5 miles to top of hill, turn right on farm road (through gate) and continue 1.3 miles, leave car and go left (south) up steep slope approximately 1000 feet to high point on sharp top. Station is approximately 40 feet east of highest point on east slope of ridge and is approximately 6.0 feet lower in elevation than high point. Station is an angle iron.

Reference Mark 1: 7.60 feet S 60° W to 6-inch oak (nail).
Reference Mark 2: 10.60 feet N 84° E to 6-inch oak (nail).
Reference Mark 3: 20.70 feet N 04° E to 10-inch oak (nail).
GRID POSITION (N.C.): X = 664,781.3; Y = 547,336.6 (T-4)
ELEVATION: 2570 feet (T-5)

CHS 151 (TVA, 1942; Macon County, North Carolina)

Located in southwest central part of Quadrangle 167. To reach from post office at Franklin, drive south on U.S. Highway 23. Go 5.6 miles to T-road at Skeenah Creek. Turn right and follow Skeenah Gap road 4.0 miles. Turn left at Y-road and go 0.15 miles. Turn left at Y-road and go 1.2 miles to upstream end of long bottom. Leave car. Go right up creek approximately 500 feet to intersection of Jones Creek and Lee Creek. Keep left up Jones Creek approximately 1500 feet to upstream end of old apple orchard. Turn right up old fence line approximately 500 feet, then follow ledge approximately 1000 feet to rock ledge and hollow. Cross hollow and walk west up point of ridge approximately 800 feet to high point just south of saddle. Station is 11.0 feet N 58° E from highest point on ridge. A 1-by-1-inch angle iron.

Reference Mark 1: 6.65 feet N 70° W to 14-inch oak.
Reference Mark 2: 11.05 feet N 57° E to 3-inch oak.
Reference Mark 3: 12.16 feet S 48° E to 8-inch oak.
GRID POSITION (N.C.): X = 661,687.1; Y = 513,545.8 (T-4)
ELEVATION: 3974 feet (T-5)

CHS 153 (TVA, 1942; Macon County, North Carolina)

Located 2000 feet north of Georgia-North Carolina State Line, in southwest central part of Quadrangle 167. To reach from Franklin post office, drive south on Highway 23 16 miles to Dillard, Georgia. Turn right up Betty Creek road, go 4.5 miles, turn right at Y-road, go 0.15 miles, to Y-road and go 1.10 miles up Barkers Creek turn left at T-road after making sharp bend. Go 0.1 miles to end of road. Leave car and walk west along old road approximately 1000 feet to low gap. When in gap go due west 1000 feet across creek and to top of next low ridge. Station is in center of path along center line of ridge. A 1-by-1-inch angle iron.

Reference Mark 1: 13.68 feet N 78° W to 24-inch oak.
Reference Mark 2: 13.56 feet S 13° W to 6-inch oak.
Reference Mark 3: 11.07 feet N 53° E to 4-inch dogwood.
GRID POSITION (N.C.): X = 669,195.2; Y = 484,900.8 (T-4)
ELEVATION: 2986 feet (T-5)

CULLASAJA 2 (USGS, 1934; Macon County, North Carolina)

Located 3-1/2 miles (airline) south of Franklin, on land owned by a foreign missionary but in charge of Mr. Teague, a nearby resident. To reach from Franklin Courthouse, go south on U.S. Highway 23 4.3 miles. Leave car here and go in northeast direction to top of Sanders Knob. Station is drill hole in rock under 18-inch blazed oak, 40 feet southeast of highest point of hill.

GEODETIC POSITION: Lat. = 35°07'43.971"; Long. = 83°23'32.658" (G-3)

To Station	Geodetic Azimuth	Distance
Dobson	94°51'09.0"	274°48'49.6"
Hyatt	211 46 54.4	31 48 22.7
Fishhawk	295 01 12.5	115 03 59.3

CULLASAJA 3 (USGS, 1934; Macon County, North Carolina)

Located 5-1/2 miles (airline) northeast of Franklin on property of John Berry's heirs. To reach courthouse from Franklin, take U.S. Highway 23 toward Sylva for 1.3 miles to side road right at city limits. Turn right 50 feet to road forks, turn left 0.5 miles on dirt road to road fork, (2 story frame house to right 300 feet). Turn left on dirt road for a distance of 0.7 miles to road fork, turn left 1.4 miles to road fork, turn left crossing Cat Creek for a distance of 0.85 miles to road fork at Holly Springs School on left. Turn right on dirt mountain road 2.8 miles to low gap. Leave car here and go southwest about 600 feet across cleared field to top of ridge, thence follow ridge south about 1/2 mile to station. Station is drill hole in boulder 3 feet south of 20-inch black oak.

GEODETIC POSITION: Lat. = 35°12'15.526"; Long. = 83°17'42.897" (G-3)

To Station	Geodetic Azimuth	Distance
Hyatt	67°02'23.3"	247°00'30.1"
Treatcut	82 37 37.9	262 33 06.5
Watauga	168 00 36.5	343 59 52.8

GRID POSITION (N.C.): X = 717,306.8; Y = 557,025.8 (G-3)
ELEVATION: 3765 feet (T-5)

CULLASAJA 5 (USGS, 1934; Macon County, North Carolina)

Located 4-1/2 miles (airline) northwest of Franklin and about 13 miles (airline) southwest of Dillsboro on land of J.E. Buchanan. To reach from Franklin Post Office go to Main Street and drive west for 0.1 miles to intersection, turn right on State Highway 28 and drive northwest toward Bryson City for 2.75 miles to road fork, thence turn left and follow main gravel road for 2.05 miles to road fork at Moody Farm, thence right 0.35 miles to a side road, thence left 0.6 miles to Buchanan's house. Leave car here and go to gap to north of house, then turn left and follow up ridge to top. Station is drill hole in boulder centered under 20-inch blazed oak, 50 feet east of crest of ridge and in corner of fence line.

GEODETIC POSITION: Lat. = 35°14'23.280"; Long. = 83°25'31.914" (G-3)

To Station	Geodetic Azimuth	Distance
Treatcut	0°29'13.2"	180°29'12.1"
Covee 2	220 32 40.6	40 35 48.5
Hyatt	311 12 43.1	131 15 20.3

CULLASAJA 7 (USGS, 1934; Macon County, North Carolina)

Located 10 miles (airline) southwest of Franklin and 6 miles (airline) west of Otto, on the north end of the Nantahala Mountain on the highest part of ridge at the head of Curtis Branch. To reach from Franklin take U.S. Highway 64 toward Hiwassee about 14 miles to Wallace Gap. Turn left at gap and follow dirt road about 1/2 mile to another gap. Leave car here and follow Appalachian Trail southeast about 2-1/2 miles to the headwaters of Curtis Branch where trail passes over thin wooded grassy ridge, turn left and follow ridge east about 3/4 mile to top. Station is drill hole in rock set in place.

GEODETIC POSITION: Lat. = 35°04'18.971"; Long. = 83°29'29.580" (G-3)
 Geodetic Azimuth Distance
 To Station Azimuth Back Azimuth Log Meters Miles
 Standing Indian 46°17'29.6" 226°15'53.3" 3.769264 3.7
 Dobson 202 59 39.4 23 00 45.4 3.870797 4.6
 Fishhawk 259 58 04.3 80 04 16.2 4.221241 10.3
 GRID POSITION (N.C.): X = 656,545.5; Y = 511,493.6 (G-3)
 ELEVATION: 4974 feet (T-5)

CULLASAJA 8 (USGS, 1934; Macon County, North Carolina)

Located 9 miles (airline) south of Franklin, and 2 miles (airline) west of Otto, on land of Sam Moody, on east butt of mountain locally known as Allen Mountain. To reach from Otto Post Office, go north on U.S. 23, 0.3 miles to road fork, turn left 1.4 miles to road fork, turn left 1/2 mile to crossroad, turn left 0.4 mile to graded road, turn left on newly graded road and follow 0.3 miles to road fork, turn right 0.4 miles to road fork, turn right about 200 feet to road fork, turn right and go 0.9 miles to second gate, leave car go north about 900 feet to home of Jesse Carpenter, thence along trail north starting from barn, along east side to drain to top. Trail ends about half way up. Station is drill hole in boulder centered under 12-inch blazed hickory.

GEODETIC POSITION: Lat. = 35°03'11.994"; Long. = 83°25'18.570" (G-3)
 Geodetic Azimuth Distance
 To Station Azimuth Back Azimuth Log Meters Miles
 Fishhawk 243°43'02.0" 63°46'49.6" 4.048748 7.0
 Buck Knob 276 46 14.8 96 49 13.8 3.900475 4.9
 Rabun 2 311 10 46.7 131 14 58.5 4.170026 9.2
 GRID POSITION (N.C.): X = 677,085.3; Y = 503,793.3 (G-3)
 ELEVATION: 3255 feet (T-5)

CULLASAJA 9 (USGS, 1934; Macon County, North Carolina)

Located 7 miles (airline) southwest of Franklin on Black Mountain. To reach from Franklin Courthouse go west on U.S. 23, 0.2 miles to road fork, go left 0.1 mile to U.S. 64 to Hayesville, toward Hayesville 9 miles to side road, go left on side road 2.15 miles to road fork, turn left 0.7 miles to Skeenah Gap. Leave car here and take log skid trail to highest point on mountain. Station is drill hole in rock set flush with ground at base of 10-inch hickory tree growing against large hickory. Small tree is blazed at base just above stone.

GEODETIC POSITION: Lat. = 35°05'31.129"; Long. = 83°26'49.512" (G-3)
 Geodetic Azimuth Distance
 To Station Azimuth Back Azimuth Log Meters Miles
 Dobson 165°59'07.6" 345°58'41.5" 3.667067 2.9
 Hyatt 280 32 25.7 40 35 47.3 4.134577 8.5
 Fishhawk 266 53 40.0 86 58 20.0 4.091766 7.7
 GRID POSITION (N.C.): X = 670,162.5; Y = 518,182.1 (G-3)
 ELEVATION: 3681 feet (T-5)

CULLASAJA 10 (USGS, 1934; Macon County, North Carolina)

Located about 6.5 miles west of Franklin at head of Falls Creek on U.S. property. To reach from courthouse at Franklin, go west on Main Street 0.1 mile to its intersection with State Highway 28, turn right on 28 for 2.75 miles to side road, turn left 2.05 miles to road fork at Moody Farm, turn left 0.1 miles to road fork, keep right on main road for 2.8 miles to road fork at Burningtown Creek, turn left 2.7 miles, on road leading up Burningtown Creek to road fork, turn left on rocky road 0.15 miles to road fork at Downes Branch, turn left on log road (very rough) follow up Downes Branch 0.9 miles to road fork, turn left for 0.55 miles to residence of Grady Bryant. Leave car here and take trail south for about 1 mile to top of ridge, turn right west on Government Trail for about 0.5 miles to station. Station is a drill hole in rock, 1 foot north of 30-inch white oak tree, 30 feet from crest of wooded hilltop.

GEODETIC POSITION: Lat. = 35°11'12.687"; Long. = 83°29'52.575" (G-3)
 Geodetic Azimuth Distance
 To Station Azimuth Back Azimuth Log Meters Miles
 Wayah 82°38'42.7" 262°36'32.3" 3.761308 3.6
 Fishhawk 300 07 40.6 120 14 06.1 4.292746 12.2
 Dobson 329 29 45.1 149 31 04.3 3.636471 4.3
 GRID POSITION (N.C.): X = 656,530.6; Y = 553,360.5 (G-3)
 ELEVATION: 3476 feet (T-5)

CULLASAJA 11 (USGS, 1934; Macon County, North Carolina)

Located in the southeast corner of Quadrangle 167 northeast. To reach from Franklin, proceed as directed for DDS 15. Station is a drill hole in boulder set 4 feet northeast of 12-inch hickory tree, 15 feet north of crest of ridge.

GEODETIC POSITION: Lat. = 35°07'59.615"; Long. = 83°15'45.751" (G-3)
 Geodetic Azimuth Distance
 To Station Azimuth Back Azimuth Log Meters Miles
 Scaly 11°08'22.4" 191°07'34.8" 4.035886 6.7
 Fishhawk 48 50 25.4 228 48 43.7 3.774277 3.7
 Dobson 90 10 25.4 270 03 37.2 4.254206 11.2
 GRID POSITION (N.C.): X = 725,907.8; Y = 530,760.1 (G-3)

CULLASAJA 12 (USGS, 1934; Macon County, North Carolina)

Located 4 miles (airline) southwest of Highlands, and 12 miles (airline) southeast of Franklin, on Little Scaly Mountain. To reach from Highlands, go southwest on State Highway 106 3.9 miles to a side road, turn left and go 0.8 miles to lookout tower. Signal is a white flag on flagpole set in the northwest corner of a 40-foot tower.

GEODETIC POSITION: Lat. = 35°01'51.604"; Long. = 83°15'27.027" (G-3)
 Geodetic Azimuth Distance
 To Station Azimuth Back Azimuth Log Meters Miles
 Hogback Mountain 192°17'26.8" 12°18'36.1" 4.156250 8.9
 Whiteside 242 50 18.6 62 54 25.4 4.087578 7.6
 Satuliah 264 31 04.6 84 33 19.2 3.776074 3.7

GRID POSITION (Ga. West): X = 772,174.6; Y = 1,831,437.3 (G-3)
 GRID POSITION (N.C.): X = 725,866.4; Y = 493,525.0 (G-3)
 ELEVATION (Floor of tower): 4225 feet (T-5)

CULLASAJA 13 (USGS, 1934; Macon County, North Carolina)

Located about 9 miles (airline) north of Clayton, and 0.5 miles north of Georgia-North Carolina State Line on land owned by the U.S. Government. To reach from Clayton Post Office, follow U.S. Highway 23, for 8.6 miles toward Franklin, to a side road, turn right on side road and go 0.3 miles to road forks, turn left and go 1.4 miles to old road forks, turn right on old road and go about 0.1 mile to end of road at wire fence. Leave car, looking south two tops are visible. The station is located on the most westerly of these tops. There is no trail up to this top. Station is drill hole in sandstone boulder 3 inches above ground and 8.5 feet south of 30-inch blazed hickory tree. Station is about 20 feet north of highest point of top.

GEODETIC POSITION: Lat. = 35°00'15.565"; Long. = 83°21'55.976" (G-3)
 Geodetic Azimuth Distance
 To Station Azimuth Back Azimuth Log Meters Miles
 Rocky 65°41'39.0" 245°37'54.9" 4.036803 6.8
 Scaly 243 24 48.4 63 27 33.3 3.911006 5.1
 Rabun 2 305 42 11.5 125 44 27.0 3.868103 4.6

D 47 (USC&GS, 1932; Macon County, North Carolina)

Located 3.0 miles south along the Tallulah Falls Railway from Franklin, 1.8 miles north of Prentiss, 1/2 mile north of milepost 54, 40 feet north of a cut, and 14.5 feet west of the west rail, in a field and 3 feet west of the fence. A standard tablet, stamped "2029.661 D 47 1932" set in the top of a concrete post projecting about 3 inches above ground.

NOTE: Searched for but not recovered, September 1945.
 ELEVATION: 2029.560 feet or 618.611 meters (C-1)

D 52 (USC&GS, 1934; Macon County, North Carolina)

Located 6.2 miles northwest along U.S. Highway 64 from Highlands, 1.6 miles northwest of Riverside Camp, at a curve on a steep grade, at a wide part of the highway, 2 yards north of the middle of a culvert, and 11 yards east of the center line of the highway. A standard tablet stamped "2925.165 D 52 1934" set in concrete monument projecting 3 inches above ground.

NOTE: Searched for but not recovered, November, 1946.
 ELEVATION: 2924.991 feet or 891.539 meters (C-2)

DDS 15 (TVA, 1942; Macon County, North Carolina)

Located in the southeast corner of Quadrangle 167 northeast. To reach from Franklin, at intersection of Highways 64 and 23, drive southeast along Highway 64, 8.50 miles to Buck Creek road, turn left, and drive up Buck Creek road 2.70 miles to T-road. Turn right on T-road and drive northwest 0.90 mile along rough road, passing through two gates to loading place of acid wood. Park car here and take trail west 500 feet to saddle. Turn left and follow along center line of ridge (dirt trail) southwest 5000 feet to top of Houston Knob. Station is 30 feet southeast of highest part of ridge, 20 feet southwest of center line of ridge. Station is a 1- by 1-inch angle iron stamped "DDS 15".
 Reference Mark 1: 5.95 feet S 65° W to nail and washer in 3-inch oak.
 Reference Mark 2: 10.90 feet N 47° W to nail and washer in 4-inch oak.
 Reference Mark 3: 24.35 feet S 76° E to nail and washer in 12-inch oak.
 GRID POSITION (N.C.): X = 725,952.2; Y = 530,751.7 (T-4)
 ELEVATION: 3810 feet (T-5)

DDS 15B (TVA, 1942; Macon County, North Carolina)

Located in the southeast corner of Quadrangle 167 northeast. To reach from intersection of U.S. Highways 23 and 64, at Franklin, drive southeast on U.S. 64, 8.50 miles to Buck Creek road. Turn left and drive up Buck Creek road for 2.20 miles to small log barn on the right of road. Park car here and cross foot bridge to cultivated field. Station is 350 feet southeast of Buck Creek, 200 feet southwest of creek, 165 feet north 68° west of lone tree in briar thicket. Station is a 1- by 1-inch angle iron stamped "DDS 15B".
 GRID POSITION (N.C.): X = 728,295.8; Y = 528,125.2 (T-4)
 ELEVATION: 2602 feet (T-5)

DDS 15D (TVA, 1942; Macon County, North Carolina)

Located in the southeast corner of Quadrangle 167 northeast. To reach from intersection of U.S. Highways 23 and 64 at Franklin, drive southeast along U.S. 64, 7.8 miles to Walnut Creek road, turn left and drive 1.0 miles on Walnut Creek road to hairpin curve now being cut out by a fill. Station is on cleared ridge S 85° W 150 feet from hairpin curve. Station is a 1- by 1-inch angle iron stamped "DDS 15D".
 GRID POSITION (N.C.): X = 725,047.6; Y = 533,426.4 (T-4)
 ELEVATION: 2473 feet (T-5)

DDS 16 (TVA, 1942; Macon County, North Carolina)

Located in the city of Franklin, on Oak Street, in the southwest corner of Herman Pemmon's yard, on the east edge of Pemmon's drive, 36 feet north 15° east from center line of intersection of Oak Street and Pemmon's drive. A 1- by 1-inch angle iron stamped "DDS 16" driven flush with the ground.
 GRID POSITION (N.C.): X = 691,901.6; Y = 551,273.5 (T-4)
 ELEVATION: 2118 feet (T-5)

DDS 17 (TVA, 1942; Macon County, North Carolina)

Located 5 miles (airline) west of Franklin. To reach from Franklin Courthouse, go north on State Highway 28 about 2.8 miles to intersection of T-road west. Turn left and go about 5 miles to intersection at Yonce's Store. Turn left and go about 2.3 miles to Y-road intersection. Go straight ahead 0.4 miles to Downes Branch. Turn left up very dim road, go 0.9 miles to Y-road intersection. Turn left and go approximately 0.4 miles to farm house and end of truck travel. Leave car and go right approximately 500 feet to mouth of hollow. Turn left and go approximately 700 feet to first intersection of hollows. Turn right and go approximately 800 feet to old house and field. Keep left and go 300 feet, turn right up hollow approximately 800 feet to Poplar Cove Gap and government trail. Turn left along government trail approximately 2000 feet to third high top from gap and station. Station is a 1- by 1-inch angle iron on highest point of ridge.
 Reference Mark 1: 7.94 feet N 38° W to 10-inch oak.
 Reference Mark 2: 16.67 feet S 80° E to 10-inch hickory.
 Reference Mark 3: 12.27 feet S 05° E to 3-inch oak.
 GRID POSITION (N.C.): X = 660,099.6; Y = 553,286.5 (T-4)
 ELEVATION: 3588 feet (T-5)

DDS 19 (TVA, 1942; Macon County, North Carolina)

Located in the southwest portion of Quadrangle 167 northeast. To reach from intersection of U.S. Highway 23 and U.S. Highway 64 at Franklin, drive south toward Clayton, Georgia, on U.S. 23 for 7.10 miles to crossroads. Turn left and drive east on gravel road for 0.80 miles to T-road intersection. Turn left and drive 0.55 miles to T-road northeast at Hickory Knoll School. Turn right and drive 1.50 miles to barn on left. Turn left around barn and continue up rough road 1.05 miles. Park car here in hairpin curve and loading place for acid wood. Take off on foot north for 300 feet to log trail east. In first hollow turn right uptrail, go east 800 feet to center line of ridge. Turn left and follow dim trail up center line of ridge approximately 1200 feet to ridge intersection. Turn right and follow up center line of ridge 1500 feet to Ammons Knob. Turn left and go northwest 300 feet to edge of cleared field. Turn right here and walk along east edge of cleared field down through low saddle to small top in all about 1300 feet. Station is on center line of ridge on highest part of ridge, 13-1/2 feet south 52° west of signal tree. A 1- by 1-inch angle iron stamped "DDS 19".

Reference Mark 1: 5.75 feet S 74° E to nail and washer in 14-inch hickory.

Reference Mark 2: 4.90 feet S 07° E to nail and washer in 6-inch oak.

Reference Mark 3: 13.70 feet N 52° E to nail and washer in 12-inch oak (signal tree).

GRID POSITION (N.C.): X = 703,549.8; Y = 530,119.0 (T-4)
ELEVATION: 3546 feet (T-5)

DDS 20 (TVA, 1942; Macon County, North Carolina)

Located in the northwest corner of Quadrangle 167 southeast. To reach from intersection of U.S. Highway 23 and 64 at Franklin, drive south toward Clayton, Georgia, on U.S. 23 for 7.10 miles to crossroads. Turn left and drive east on gravel road for 0.80 miles to T-road intersection. Turn left and drive 0.55 miles to T-road intersection northeast at Hickory Knoll School. Turn right and drive 1.50 miles to barn on left. Turn left around barn and continue on rough road 1.05 miles. Park car here in hairpin curve and loading place for acid wood. Take off on foot north 300 feet to log trail east in first hollow. Turn right up log trail and go east 800 feet to center line of ridge. Turn left and follow dim trail up center line of ridge approximately 1100 feet 100 feet south of intersection of ridges. Station is on center line of ridge on steep slope. A 1- by 1-inch angle iron stamped "DDS 20".

Reference Mark 1: 5.70 feet S 24° W to tack and washer in 4-inch pine.

Reference Mark 2: 3.60 feet S 78° W to tack and washer in 4-inch pine.

Reference Mark 3: 10.98 feet N 36° E to tack and washer in 6-inch oak.

GRID POSITION (N.C.): X = 702,391.2; Y = 527,418.9 (T-4)
ELEVATION: 3399 feet (T-5)

DDS 21 (TVA, 1942; Macon County, North Carolina)

Located in the extreme northwest portion of the central portion of Quadrangle 167 southeast. To reach from intersection of U.S. Highway 23 and 64 at Franklin, drive south on U.S. 23 toward Clayton, Georgia for 7.10 miles to crossroads. Turn left and drive east 0.80 miles to T-road intersection. Turn left and drive 0.55 miles to T-road northeast at Hickory Knoll School. Turn right and drive 1.50 miles to barn on left. Turn left around barn and continue 1.60 miles to old saw mill site. Park car and walk east up wagon road approximately 1500 feet to Hockajack Gap. Turn left in gap and continue north on log trail approximately 500 feet to station. Station is in the center line of log trail. A 1- by 1-inch angle iron, stamped "DDS 21".

Reference Mark 1: 8.10 feet S 48° W to nail and washer in 3-inch dead locust.

Reference Mark 2: 6.63 feet N 45° W to nail and washer in 3-inch hickory.

GRID POSITION (N.C.): X = 704,739.9; Y = 527,038.6 (T-4)
ELEVATION: 3242 feet (T-5)

DDS 23 (TVA, 1942; Macon County, North Carolina)

Located in the southwest corner of Quadrangle 167 southeast. To reach from intersection of U.S. Highway 23 and 64 at red light in Franklin, drive south on U.S. 23 toward Clayton, Georgia, 11.70 miles to Norton, turn left on gravel road and drive 0.55 miles to top of ridge and dim road left. Turn left and drive 500 feet. Park car and take trail east up mountain to Howard Gap about 1.0 mile. Turn left and follow dim trail along center line of ridge 3/4 miles to north end of ridge. Station is 5 feet east of center line of ridge, 10 feet southeast of the top. Station is a 1- by 1-inch angle iron stamped "DDS 23".

Reference Mark 1: 6.80 feet N 20° E to nail and washer in 3-inch oak.

Reference Mark 2: 2.71 feet S 28° E to nail and washer in 3-inch oak.

Reference Mark 3: 18.38 feet N 83° W to nail and washer in 14-inch twin oak.

GRID POSITION (N.C.): X = 695,896.0; Y = 488,305.8 (T-4)
ELEVATION: 3248 feet (T-5)

DDS 24 (TVA, 1942; Macon County, North Carolina)

Located in the northeast corner of Quadrangle 167 southwest. To reach from intersection of U.S. Highway 23 and 64 at red light in Franklin, drive south on U.S. Highway 23 toward Clayton, Georgia, 4.50 miles to Y-road intersection. Turn left and drive 1.25 miles to Prentiss, to the home of Wilbur Teague. Station is in the south edge of Teague's yard, 3 feet north of wire fence, 50 feet east of road. Station is a 1- by 1-inch angle iron stamped "DDS 24".

Reference Mark 1: 9.85 feet S 70° W to nail and washer in fence post.

Reference Mark 2: 4.30 feet S 46° E to nail and washer in fence post.

GRID POSITION (N.C.): X = 691,023.6; Y = 527,927.7 (T-4)
ELEVATION: 2032 feet (T-5)

DDS 25 (TVA, 1942; Macon County, North Carolina)

Located in the central portion of Quadrangle 167 southeast. To reach from intersection of U.S. Highways 23 and 64 on right bank of Little Tennessee River in Franklin, drive southeast along U.S. 64 toward Highlands, for 10.40 miles to Gold Mine road. Turn right and drive 3.25 miles, keeping all right hand roads to saddle and cleared field on left. Park car here and take trail west around side of mountain for approximately 0.70 miles to Jones Gap. Take dim trail northwest up center line of ridge approximately 0.25 miles to top of Jones Knob and station. Station is a chiseled cross on the east corner of

large flat on high part of crown.

Reference Mark 1: 26.35 feet S 56° E to nail and washer in 12-inch oak.

Reference Mark 2: 22.43 feet N 30° E to nail and washer in 12-inch twin oak.

GRID POSITION (N.C.): X = 715,378.2; Y = 512,365.4 (T-4)
ELEVATION: 4622 feet (T-5)

DOBSON (USGS, 1934; Macon County, North Carolina)

Located 5 miles (airline) southwest of Franklin, on the property of Bert Slagle and on mountain locally known as Dobson Mountain. To reach station from Franklin Courthouse drive southwest on U.S. 64, 9 miles to home of T.B. Enloe. Leave car and follow trail up hollow to left of Enloe's house to apple orchard. At this point bear right and follow ridge along old fence line to highest point on mountain. Distance from house is about 1-1/4 mile. Station is highest point of newly cut over top and about 75 feet north of east-west fence line. Station is a standard tablet set in sandstone boulder 2 inches above ground and stamped "DOBSON 1934".

Reference Mark 1: 15.02 feet S 39°13' E to drill hole in rock.

Reference Mark 2: 12.60 feet S 64°15' W to drill hole in rock.

Reference Mark 3: 12.27 feet N 00°08' W to drill hole in rock.

GEODETIC POSITION: Lat. = 35°08'00.808"; Long. = 83°27'34.988" (G-3)

To Station	Azimuth	Back Azimuth	Log Meters	Miles
Standing Indian	33°17'13.3"	213°14'31.0"	4.115108	8.1
Wayah	119 21 11.7	299 17 42.2	4.023728	6.6
Tremat	205 57 19.2	25 58 29.0	3.845581	4.4
Fishhawk	286 17 30.7	106 22 36.9	4.147697	7.7

GRID POSITION (N.C.): X = 667,067.1; Y = 533,467.2 (G-3)
ELEVATION: 3600 feet (T-5)

E 47 RESET (USCGS, 1932; Reaset 7 1; Macon County, North Carolina)

Located in Franklin, at the post office, in line with the east side of the post office, and 12 feet north from the northeast corner of post office, and 1 foot south of south edge of sidewalk. A standard tablet stamped "E 47 1942 Reaset 2109.198" set in large concrete post.

ELEVATION: 2109.198 feet

NOTE: Elevation stamped on tablet by party unknown. Accuracy of elevation not known.

F 47 (USCGS, 1932; Macon County, North Carolina)

Located at Franklin, in a small park southwest of the county courthouse, 30 feet southwest of a public drinking fountain, 30 feet northeast of a Confederate Soldiers Memorial Monument. A standard tablet stamped "F 47 1932" set in the top of a concrete post projecting 2 inches above ground.

ELEVATION: 2112.991 feet or 644.041 meters (C-1)

FISHAWK (USGS, 1934; Macon County, North Carolina)

Located 7 miles (airline) southeast of Franklin and 7 miles (airline) northwest of Highlands on the highest point of Fishhawk Mountain. To reach from Franklin Courthouse, go north on U.S. Highway 23 to junction with U.S. Highway 64, turn right on 64 towards Highlands for 11.6 miles to road fork, turn right on dirt road across wooden bridge and drive 0.9 miles to schoolhouse, turn right and follow main road to top of ridge 0.9 miles to road fork, continue along top of ridge 0.4 miles to barred gate, continue along same road 0.6 mile to end near house in valley. Inquire at house for information about trail that leads to top of Little Fishhawk, thence to Fishhawk. From house facing west, station is on highest point visible. Station is on barren rock outcrop. Top was cleared, good visibility in all directions. Station is a standard tablet stamped "FISHAWK 1934" set in rock outcrop.

Reference Mark 1: 21.5 feet S 10° W to drill hole in rock ledge.

Reference Mark 2: 13.6 feet N 60° W to drill hole in rock ledge.

Reference Mark 3: 9.3 feet N 70° E to drill hole in rock ledge.

GEODETIC POSITION: Lat. = 35°05'52.574"; Long. = 83°18'42.517" (G-3)

To Station	Azimuth	Back Azimuth	Log Meters	Miles
Standing Indian	71°27'50.9"	251°20'02.8"	4.338070	13.5
Wayah	111 58 40.5	291 50 04.6	4.388380	15.2
Hogback Mountain	230 33 41.7	50 36 43.6	4.015208	6.4
Rabun 2	355 46 27.9	175 46 52.5	4.168339	9.2

GRID POSITION (N.C.): X = 710,683.2; Y = 518,563.3 (G-3)
ELEVATION: 4748 feet (T-5)

FRANKLIN (USCGS, 1933; Macon County, North Carolina)

Located about 1/2 mile west of main street of Franklin, on grounds of Trimont Hotel, 12 feet south of southwest corner of tennis court, 30 feet east of center line of dirt road leading south around hotel grounds from Harrison Avenue, almost in line with south side of hotel building, and 126.8 feet west of extreme southwest corner of building. Station Standing Indian (see description thereof) is visible between old barn-woodshed and tall oak tree in azimuth 39°33'05". Surface mark is a standard bronze tablet set in the top of a square block or post of concrete. Underneath the top of a square block or post of concrete.

Reference mark 1 is across road from old barn-woodshed, 6.5 feet east of 18-inch stump on east side of road, and 16.485 meters (54.08 feet) from station in geodetic azimuth 17°04".

Reference mark 2 is on property of Mr. Anderson, 2-1/2 feet north of fence line on south side of field, about 36 feet east of 8-inch walnut tree 1 foot south of fence line, about 100 feet a little east of north of northeast corner of large white house, about 20 feet north of northeast corner of yard, and approximately 1/4 mile from station. Reference mark 3 is on east edge of Dr. Lyle's lawn, 14 feet west of center line of dirt road, directly across road from old tunnel, 9 paces east of east edge of house, 3 feet southeast of apple tree, and 18.81 meters (61.71 feet) (slope) from station in geodetic azimuth 143°39".

GEODETIC POSITION: Lat. = 35°11'07.000"; Long. = 83°23'15.514"

To Station	Azimuth	Back Azimuth	Log Meters	Miles
Standing Indian	39°33'05.1"	219°27'53.7"	4.333719	13.4

To Station	Geodetic Azimuth		Distance	
	Azimuth	Back Azimuth	Log Meters	Miles
Wayah	87°59'48.3"	267°53'49.2"	4.198124	9.8
Azimuth Mark,				
R.M. no. 2	79 57 15.4			
GRID POSITION (N.C.):	X = 689,426.90; Y = 551,311.72 (C-2)			
Grid Azimuth to R.M. 2:	82°29'12.1"			

G 47 (USC&GS, 1932; Macon County, North Carolina)

Located 0.7 miles northeast along State Highway 23 from Franklin, at the Little Tennessee River highway bridge, in the southwest end of the southeast wheel guard, directly over the southwest abutment, and just below a bronze tablet on the handrail. A standard disk, stamped "2014.07 G 47 1932".
ELEVATION: 2013.966 feet or 613.898 meters (C-1)

Gage BM 1 (USGS, 1934; Macon County, North Carolina)

Located on right bank of Cullasaja River, at Cullasaja, on road from Franklin to Highlands, 5 miles from Franklin, 300 feet upstream from U.S. Highway 64 bridge, 3.5 miles (airline) upstream from mouth of Cullasaja River, 5 feet downstream from approach to gage house, 18.99 feet above zero of USGS Gage. A standard USGS gaging station reference tablet.
ELEVATION: 2042.36 feet (T-3)

Gage BM 2 (USGS, 1934; Cullasaja; Macon County, North Carolina)

Located on right bank of Cullasaja River, at Cullasaja, on road from Franklin to Highlands, 5 miles from Franklin, 300 feet upstream from U.S. Highway 64 bridge, 3.5 miles (airline) upstream from mouth of Cullasaja River, in downstream end of concrete headwall to which low water gage section is attached, 5.36 feet above zero of USGS gage. A cross cut in top of downstream end of concrete headwall.
ELEVATION: 2028.73 feet (G&T-3)

Gage BM 2 (USGS, 1929; Iotla; Macon County, North Carolina)

Located on right bank of Little Tennessee River, 0.2 miles upstream from State Highway 28 bridge over river at Iotla, 4.9 miles north of the courthouse in Franklin, via State Highway 28 and county road, on property of C. A. Shields, at Bradley's mica mine, on south side of county road, 15 feet from center line of road, 37 feet from water's edge, west of cable, between tower and cable support, and approximately same elevation as road surface, 25 feet northwest of corner of gage shelter, 7.31 feet above gage zero. A standard USGS gaging station reference tablet.

Reference Mark 1: 11.5 feet S 15° E to 15-inch maple tree.
Reference Mark 2: 17.6 feet S 27° W to northwest corner of concrete base of steps.
Reference Mark 3: 32.0 feet N 40° E to west end of concrete base of steel cable support.

ELEVATION: 1965.934 feet or 599.218 meters (T-2)

Gage BM 3 (USGS, 1929; Macon County, North Carolina)

Located on right bank of Little Tennessee River, 0.2 miles upstream from State Highway 28 bridge over river at Iotla, 4.9 miles north along State Highway 28 and county road from courthouse in Franklin, at Bradley's mica mine, on south side of county road, 11.27 feet above gage zero. Bolt head in center of sill of right "A" frame of gage cableway.
ELEVATION: 1970.2 feet (G&T-4)

GGS 16A North Base (GGS, 1934; Macon County, North Carolina)

Located 9 miles (airline) north of Clayton, Georgia. From Clayton community house drive north on State Highway 15 to Georgia-North Carolina State line, continue on into North Carolina for 0.85 miles from line or 8.75 miles from Clayton, to small rough dirt road leading east, on property of Mrs. Callie Howard, drive down this road to point 335 feet west of point where road runs under Tallulah Falls Railroad. Monument is 435 feet north of center line of dirt road, in a depression between two peaks of hill, 415 feet west of west rail of Tallulah Falls Railroad from a point on railroad and 561 feet north of north end of trestle over road and creek. A brass disk set in concrete monument, 1.4 feet in diameter, and projecting 0.3 feet above ground.

GEODETIC POSITION: Lat. = 35°00'16.452"; Long. = 83°22'52.030" (S-2)
GRID POSITION (N.C.): X = 688,472.61; Y = 485,525.01 (S-2)
GRID POSITION (Ga. West): X = 735,243.63; Y = 1,821,503.69 (S-2)
ELEVATION: 2143.55 feet (S-3)

H 47 (USC&GS, 1932; Macon County, North Carolina)

Located 4 miles northeast along State Highway 23 from Franklin, at the skew concrete bridge over Watauga Creek, in the southwest end of the southeast wheel guard and below a bronze tablet. A standard disk stamped "2055.098 H 47 1932".

ELEVATION: 2054.989 feet or 626.362 meters (C-1)

H 578 (TVA, 1938; Macon County, North Carolina)

Located 30 feet left of Little Tennessee River, 1-1/2 miles north of Franklin, along small river road, at west edge, 50 feet south of turn away from river, 35 feet northwest of old boat landing. A chiseled square on small outcrop.

NOTE: Searched for but not recovered, September, 1945.
ELEVATION: 2007.36 feet (T-3)

H 579 (TVA, 1938; Macon County, North Carolina)

Located 200 feet left of Little Tennessee River, at Emory Lake, in small drain, about 1/4 mile north of old log cabin, about 1-1/2 miles southwest of Porters Bend Dam, about 2 miles north of Franklin, on left bank of drain and 10 feet from center line of drain, in southeast root of 8-inch locust tree. A rivet.

ELEVATION: 2018.15 feet (T-3)

H 580 (TVA, 1938; Macon County, North Carolina)

Located 1-1/4 miles southwest of Porters Bend Dam, 2-1/4 miles north of Franklin, on small rock outcrop, about 50 feet left of Little Tennessee River, on steep slope, 10 feet east of path, 100 feet downstream from small creek. A chiseled point.

ELEVATION: 2012.62 feet (T-3)

H 581 (TVA, 1938; Macon County, North Carolina)

Located on left bank of Little Tennessee River, 0.5 miles south of Porters Bend Dam, about 75 feet north of edge of clearing, at foot of steep

hill, about 1800 feet upstream from sharp left bend of river, in north root of 16-inch oak tree on edge of bank. A rivet.

ELEVATION: 2001.42 feet (T-3)

H 582 (TVA, 1938; Macon County, North Carolina)

Located on right bank of Little Tennessee River, 1/4 mile downstream from Porters Bend Dam, about 50 feet from river, at northwest edge of field road in pasture, 75 feet upstream from old stone wall, slightly upstream from point where road turns uphill, on top of sloping rock slab. A chiseled point.

ELEVATION: 1981.58 feet (T-3)

H 583 (TVA, 1938; Macon County, North Carolina)

Located on left bank of Little Tennessee River 1/2 mile downstream from Porters Bend Dam, 150 feet from river, at foot of hill, 75 feet downstream from lower end of cleared field, in west root of 20-inch oak tree. A rivet.

ELEVATION: 1978.92 feet (T-3)

H 584 (TVA, 1938; Macon County, North Carolina)

Located 125 feet from right bank of Little Tennessee River, 3/4 mile upstream from USGS gaging station at Iotla, 1/2 mile downstream from sharp left bend of river, 30 feet east of small creek running out of wide hollow, 1/4 mile upstream and opposite side from mouth of Rocky Branch, in base of 12-inch walnut tree. A rivet.

ELEVATION: 1972.84 feet (T-3)

H 585 (TVA, 1938; Macon County, North Carolina)

Located on right bank of Little Tennessee River, 1/4 mile upstream from USGS gaging station at Iotla, 1/2 mile upstream from State Highway 28 bridge at Iotla, at mouth of small hollow, 8 feet south of small branch, 30 feet south of southwest corner of small house, in line with fence between pasture and cultivated field, 250 feet from bank, in west root of 18-inch oak tree. A rivet.

ELEVATION: 1974.00 feet (T-3)

H 587 (TVA, 1938; Macon County, North Carolina)

Located on right bank of Little Tennessee River, 4 miles (airline) north of Franklin, on State Highway 28, 1/4 mile north of highway bridge over river at Iotla. A chiseled square at west corner of south end of west headwall of concrete culvert over branch.

ELEVATION: 1966.413 feet or 599.364 meters (T-2)

H 588 (TVA, 1938; Macon County, North Carolina)

Located on right bank of Little Tennessee River, 1 mile north along State Highway 28 from Iotla bridge, about 500 feet west of sharp bend in road, about 400 feet east of small house, near west edge of old quarry, on southeast corner of north headwall of concrete culvert on highway. A chiseled square.

ELEVATION: 1973.78 feet (T-3)

H 589 (TVA, 1938; Macon County, North Carolina)

Located 50 feet from right bank of Little Tennessee River, about 1-3/4 miles downstream from old Iotla bridge, on Robert Bryson farm, about 1/4 mile southwest of house, in cornfield, on property of Robert Bryson, in south root of 14-inch apple tree. A rivet.

ELEVATION: 1953.27 feet (T-3)

H 590 (TVA, 1938; Macon County, North Carolina)

Located on crest of left bank of Little Tennessee River, about 1-3/4 miles downstream from old Iotla bridge, on farm of Jess Lowe, about 1/4 mile north of small wooden bridge over branch, about 200 feet downstream from mouth of branch, slightly downstream from group of houses on road, in northwest side of 18-inch walnut tree. A railroad spike.

ELEVATION: 1954.07 feet (T-3)

HYATT (USGS, 1934; Macon County, North Carolina)

Located 1 mile (airline) east of Franklin on property of J.P. Hyatt. To reach from Franklin Courthouse, take U.S. Highway 23 toward Sylva for 1.3 miles to side road on right at Franklin City Limits. Turn right and go about 300 feet, thence left on dirt road about 1/2 mile to road fork, turn left for 0.7 mile to road fork (yellow dwelling about 150 feet to right). Leave car and take trail south about 1/4 mile to station on highest part of newly cleared ridge. A standard tablet stamped "HYATT 1934" set in boulder within 6 inches of ground surface.

Reference Mark 1: 62.2 feet S 42° W to drill hole in boulder.
Reference Mark 2: 23.8 feet S 76° E to drill hole in boulder.
Reference Mark 3: 115.0 feet N 28° W to drill hole in boulder.

GEODETIC POSITION: Lat. = 35°11'07.170"; Long. = 83°20'59.293" (G-3)

To Station	Geodetic Azimuth		Distance	
	Azimuth	Back Azimuth	Log Meters	Miles
Dobson	60°11'54.3"	240°08'06.5"	4.062379	7.2
Tremont	94 36 36.8	274 33 58.6	3.843003	4.3
Fishhawk	340 20 07.4	160 21 26.1	4.012608	6.4

J 47 (USC&GS, 1932; Macon County, North Carolina)

Located 7.1 miles northeast along U.S. Highway 23 from Franklin, 100 feet east of a culvert in a deep dry wash, at the inside of a sharp curve, 8 feet northeast of pole 338, 23 feet north of the center line of a dirt road leading down into a valley, and 12 feet south of the south edge of the pavement, in the top of a boulder about 8 inches high. A standard disk, stamped "2763.357 J 47 1932".

ELEVATION: 2763.246 feet or 842.239 meters (C-1)

K 1 (USGS, 1933; Macon County, North Carolina)

Located 2.6 miles southwest along U.S. Highway 64 from courthouse at Franklin, 60 feet east of private road fork, 30 feet north of center line of highway, 150 feet southwest of southwest corner of residence, at south edge of private road. A standard bronze tablet set in concrete post and stamped "K 1 1933".

Reference mark is 120 feet northeast of tablet, in root on south side of apple tree; copper nail and washer 7.97 feet higher than tablet.
ELEVATION: 2086.80 feet (G-3)

K 15 (USGS, 1934; Macon County, North Carolina)

Located 11.5 miles along U.S. Highway 64 from Franklin, on property of

Lester Waldrup, 15 feet northeast of northeast corner of residence of Lester Waldrup, 50 feet south of center line of highway. A standard tablet stamped "K 15 1934, painted US 2605.8 PBM" set in a concrete post.

ELEVATION: 2686.36 feet (G-3)

K 23 (USGS, 1934; Macon County, North Carolina)

Located 3.1 miles northwest of Franklin Courthouse, on gravel road 420 feet west from intersection with State Highway 28, 35 feet north of center line of gravel road, 35 feet southwest of southwest corner of residence of J.D. Roland. A standard tablet set in concrete post and stamped "K 23 1934" painted "US 2072.2 PBM".

Reference mark is 80 feet southwest of tablet, on south side of road, in root on west side of 16-inch oak tree; copper nail and washer, painted "US 2067.4 RBM" 4.70 feet lower than tablet.

ELEVATION: 2072.14 feet (G-3)

K 24 (USGS, 1934; Macon County, North Carolina)

Located 5 miles (airline) northwest of Franklin, on county road, 1.3 miles west of Moody Farm, 1 foot west of west edge of front yard of Mr. Fout, 18 feet southwest of southwest corner of front porch, 20 feet north of center line of road. A standard bronze tablet set in concrete post and stamped "K 24 1934" painted "US 2073.3 PBM".

Reference mark is 230 feet southeast of tablet, 50 feet south of road, in root on east side of 16-inch walnut tree; copper nail and washer, painted "US 2063.0 RBM" 3.41 feet lower than tablet.

ELEVATION: 2074.23 feet (G-3)

K 25 (USGS, 1934; Macon County, North Carolina)

Located 6 miles (airline) northwest of Franklin, near Burningtown, 2.9 miles west of Moody Farm, 110 feet east of road fork, at Yonce's Store, 90 feet east of drain crossing, and 25 feet north of center line of road. A standard tablet in sandstone outcrop, stamped "K 25 1934" and painted "US 2060.0 PBM".

Reference mark is 50 feet northwest of tablet, at edge of drain, in root on south side of 16-inch maple tree; copper nail and washer, painted "US 2058.1 RBM" 1.916 feet lower than tablet.

ELEVATION: 2060.754 feet or 628.119 meters (T-2)

LHT 1034 (TVA, 1938; Macon County, North Carolina)

Located 5.2 miles northwest of the courthouse at Franklin, on State Highway 28 and 1.9 miles southeast of Wests Mill Post Office, on property of State Highway Department, 0.5 miles downstream right bank from steel bridge over Little Tennessee River, on east end of concrete culvert over Macon Branch, 300 feet south of Oscar Macon's house, 200 feet north of Wayne Duvall's house, 21.0 feet north from northwest corner of garden fence, 22.0 feet east from center line of highway, 10.5 feet northeast from highway sign marked "N.C. 28" (painted PBM). A standard tablet horizontally in east end of concrete bridge.

ELEVATION: 1966.075 feet or 599.261 meters (T-2)

LHT 1035 (TVA, 1938; Macon County, North Carolina)

Located 6.0 miles northwest of the courthouse in Franklin, via U.S. Highway 23 and county road, and 3.2 miles northwest of Dean, on county road through Watauga settlement from U.S. Highway 23 to State Highway 28, on property of Ralph West, in hollow on left bank of branch 27 feet northeast of center line of road, 15 feet north of small spout spring, 150 feet north of small log cabin, on north point of sharp curve, and approximately 4 feet above surface of road, 32.0 feet east from north end of 36-inch metal culvert, 10.5 feet northwest from 12-inch poplar which stands at head of spring. A standard tablet set horizontally in rock outcrop.

ELEVATION: 2123.582 feet or 647.269 meters (T-2)

LHT 1036 (TVA, 1938; Macon County, North Carolina)

Located 5.0 miles north of the courthouse at Franklin, via U.S. Highway 23 and county road, and 2.2 miles northwest of Dean, on county road to Watauga Settlement, 2.1 miles east of steel bridge over Little Tennessee River on Highway 28, at cross road, in gap of small ridge, set in southeast corner of roads in edge of woods, approximately 4 feet above road surface, at intersection, 47 feet from center line of cross road. A standard tablet set in concrete post.

Reference Mark 1: 73.5 feet N 60° W to 12-inch white oak.
Reference Mark 2: 53.7 feet N 35° E to 20-inch white oak.
Reference Mark 3: 25.5 feet South to 5-inch red oak (painted PBM).

ELEVATION: 2149.756 feet or 655.247 meters (T-2)

LHT 1037 (TVA, 1938; Macon County, North Carolina)

Located 4.0 miles north of the courthouse in Franklin, via U.S. Highway 23 and County road, and 1.2 miles northwest of Dean, on county road to Watauga Settlement, on property of Jim Berry, set in northwest corner of Jim Berry's yard, 12 feet from center line of road, 2.5 feet from fence around yard, and 68 feet from east end of bridge over Watauga Creek. A standard tablet set in concrete post.

Reference Mark 1: 35.0 feet N 85° E to 6-inch maple tree.
Reference Mark 2: 15.6 feet S 10° E to northwest corner of Jim Berry's house.
Reference Mark 3: 9.2 feet N 80° W to northwest corner of yard fence.

ELEVATION: 2002.834 feet or 610.465 meters (T-2)

LHT 1038 (TVA, 1938; Macon County, North Carolina)

Located 3.3 miles northeast of the courthouse at Franklin, on U.S. Highway 23, and 0.5 mile north of Dean, on State Highway right-of-way on the west side of highway, 0.2 miles northeast of Oak Ridge Church, near north edge of rock and dirt cut on east slope of ridge, 47 paces south of 36-inch concrete culvert, near north edge of long tangent, 29.0 feet west of highway and 30.0 feet southeast from 10-inch pine tree in small drain near holly tree, and 4 feet above elevation of road. A standard tablet set in concrete post.

ELEVATION: 2104.481 feet or 641.447 meters (T-2)

LHT 1039 (TVA, 1938; Macon County, North Carolina)

Located 2.3 miles northeast of the courthouse in Franklin, on U.S. Highway 23, and 0.5 miles south of Dean, on property of North Carolina U.S. Highway Department, on the north end of downstream side of concrete bridge over Rabbit Creek, 15.0 feet west of center line of highway, 2.3 feet west from northwest corner of guard wall, 2.8 feet northwest from

where wingwall intersects guard wall, set flush in top of west wingwall, 8 inches back from where wall starts to slope downward. Same elevation as road surface. A standard tablet set horizontally on bridge.

ELEVATION: 2014.320 feet or 613.966 meters (T-2)

LHT 1040 (TVA, 1938; Macon County, North Carolina)

Located 1.5 miles northeast of the courthouse in Franklin, on U.S. Highway 23, and 1.3 miles south of Dean, on right of way, and Emory Honeycutt property, 0.5 miles northeast of Bethlehem Church, 27.5 feet from center line of highway on east side, 36 feet from northwest entrance of drive to Emory Honeycutt's house, 150 feet northwest of two-story frame house painted white, 19.0 feet southwest from telephone pole (painted BM), 72.5 feet northwest from 30-inch pine tree, and approximately 1 foot above road surface. A standard tablet set in concrete post.

ELEVATION: 2157.663 feet or 657.657 meters (T-2)

LHT 1067 (TVA, 1938; Macon County, North Carolina)

Located 8.4 miles northwest of Franklin, via State Highway 28, Iotia-Parrish Gap road, Burningtown county road, 4.0 miles southeast of post office Stiles, on property of John Dean, on east side of road across road from John Dean's rolling mill, 200 feet south of wood bridge over Burningtown Creek, 50 feet north of 5 mail boxes on west side of road, approximately 4 feet above elevation of road. A standard tablet set horizontally in rock outcrop.

Reference Mark 1: 24.0 feet S 42° E to 8-inch maple tree.
Reference Mark 2: 36.0 feet N 80° W to southeast corner of mill house.
Reference Mark 3: 80.5 feet Due North to 24-inch black walnut tree.

ELEVATION: 2030.652 feet or 618.944 meters (T-2)

LHT 1068 (TVA, 1938; Macon County, North Carolina)

Located 6.7 miles northwest of Franklin, via State Highway 28, Iotia-Parrish Gap road, Burningtown road, 5.9 miles southeast of post office, Stiles, 1.3 miles southwest of Burningtown School, on property of Tom Reeves, on south side of road, 24 feet from center line of road, on left bank of small branch, at northwest corner of pole fence, 128 feet from northeast corner of William Sigel's house, 75 feet south of road leading up branch to Tom Reeves house, approximately same elevation as road surface. A standard tablet set in concrete post.

Reference Mark 1: 28.0 feet N 75° E to southeast end of culvert.
Reference Mark 2: 78.0 feet S 30° W to 18-inch lone apple tree.
Reference Mark 3: 6.4 feet N 10° E to northwest corner of pole and wire fence.

ELEVATION: 2154.507 feet or 656.695 meters (T-2)

LHT 1069 (TVA, 1938; Macon County, North Carolina)

Located 9.9 miles northwest of Franklin, via State Highway 28, Iotia-Parrish Gap Road, Burningtown Road, 7.1 miles south of U.S. Post Office Stiles, 2.5 miles southwest of Burningtown School and Church, on southeast side of Burningtown Road at intersection of Burningtown Road and Iotia Gap road, on north side of gap road, 110 feet from intersection of roads, 26 feet from center line of Burningtown road, approximately 2 feet above elevation of road. A standard tablet set in concrete post.

Reference Mark 1: 35.0 feet West to southeast end of 18-inch metal culvert.
Reference Mark 2: 53.0 feet N 50° E to 6-inch holly tree in clump of trees.

Reference Mark 3: 47.0 feet N 75° E to 8-inch black oak tree.

ELEVATION: 2188.004 feet or 666.905 meters (T-2)

LHT 1665 (TVA, 1939; Macon County, North Carolina)

Located 2.9 miles northeast of Post Office Gneiss, 11.4 miles southeast of Post Office Glenville, via Pine Creek road, about 10.9 miles southeast of Franklin, on Walnut Creek road, 3.0 miles southeast of Walnut Gap, 2.7 miles northeast of U.S. Highway 64, about 0.3 miles east of Walnut Creek School, 25.0 feet north of center line of county road at intersection of Ledford Branch road, 25.3 feet west of large mail box, 15.8 feet northwest of Walnut Creek Road-Ledford Branch sign, 10.0 feet north of top of road bank. A standard tablet stamped "LHT 1665 1940" and set in concrete post flush with ground.

Reference Mark 1: 31.0 feet West to 36-inch white oak tree.
Reference Mark 2: 29.5 feet North to 10-inch post oak tree.
Reference Mark 3: 15.8 feet Southeast to Walnut Creek Road sign post.

ELEVATION: 2860.086 feet or 871.756 meters (T-2)

LHT 1666 (TVA, 1939; Macon County, North Carolina)

Located 1.8 miles northeast of Post Office Gneiss, 12.6 miles southwest of Glenville Post Office, via Pine Creek road, about 9.8 miles southeast of Franklin, on Walnut Creek road, on property of Fannie Moses, 4.2 miles southwest of Walnut Gap, 1.5 miles east of U.S. Highway 64, about 0.9 miles south of Walnut Creek School, 21.0 feet west of center line Walnut Creek road, 15.5 feet north of path down hill side at west edge of county road out side of sharp curve (southeast and north). A standard tablet stamped "LHT 1666 1940" set in concrete post.

Reference Mark 1: 20.0 feet West to 8-inch red oak tree.
Reference Mark 2: 32.0 feet South to 6-inch poplar tree.
Reference Mark 3: 21.0 feet East to center line county road.

ELEVATION: 2576.822 feet or 785.417 meters (T-2)

LHT 1668 (TVA, 1939; Macon County, North Carolina)

Located 0.1 mile north of U.S. Post Office Gneiss, 8.0 miles southeast of Franklin, 12.0 miles northwest of Highlands, on U.S. Highway 64, on highway right-of-way, 15.0 feet east of center line highway on right bank of Walnut Creek, on upstream side of bridge, 0.7 feet south of north end of east headwall just over northeast wing wall, 200 feet from Salem School building (northwest corner). A standard tablet stamped "LHT 1668 1940" set horizontally in headwall of concrete bridge.

Reference Mark 1: 38.6 feet West to power pole.
Reference Mark 2: 23.3 feet North to telephone pole.
Reference Mark 3: 48.8 feet South to 12-inch white pine tree.

ELEVATION: 2115.268 feet or 644.735 meters (T-2)

LTR 71 (USGS, 1926; Macon County, North Carolina)

Located at mile 106.060, Little Tennessee River, on right bank, 2 miles downstream from Iotia bridge, on lower end of large cultivated bottom and at water's edge, in 28-inch leaning sycamore tree. Copper nail and washer.

ELEVATION: 1948.1 feet (S-4)

LTR 72 (USED, 1926; Macon County, North Carolina)

Located at mile 106.690, Little Tennessee River, right bank, on west end of south abutment of concrete culvert on State Highway 28, approximately 1.1 miles downstream from Highway 28 bridge, just below bend in river. A chiseled cross, painted white.

ELEVATION: 1964.0 feet (E-4)

LTR 74 (USED, 1926; Macon County, North Carolina)

Located at mile 109.060, Little Tennessee River, on crest of right bank, 1 mile up river from old highway bridge at Iotla, in base of twin (14 and 12-inch) black locust tree, tree stands between two small hollows. A copper nail and washer, painted white.

ELEVATION: 1972.3 feet (E-4)

LTR 75 (USED, 1926; Macon County, North Carolina)

Located at mile 109.860 of Little Tennessee River, 2 miles upstream from highway bridge at Iotla, in rock outcropping at edge of old road under hill, 40 feet from water's edge, directly opposite old road sill, and about 500 feet upstream from dwelling house on point of slope in a "U" bend in the river. A chiseled circle, painted white.

ELEVATION: 1988.6 feet (E-4)

LTR 76 (USED, 1926; Macon County, North Carolina)

Located at mile 110.260, Little Tennessee River, in concrete in corner of water gate casing nearest right bank, at Franklin, power plant about 4 miles downstream from Franklin, 1 foot from end of where concrete walk (from road to power house) angles. Corner of angle iron, painted white.

NOTE: Searched for but not recovered, February, 1946.

ELEVATION: 2003.5 feet (E-4)

LTR 77 (USED, 1926; Macon County, North Carolina)

Located at mile 111.660 of Little Tennessee River, 1.4 miles upstream from Franklin power plant, right bank, 300 feet downstream from one-story white dwelling house, 10 feet from water's edge. A copper nail and washer painted white, in root of 30-inch chinquapin tree.

NOTE: Searched for, but not recovered, January 1946.

ELEVATION: 2003.4 feet (E-4)

LTR 80 (USED, 1926; Macon County, North Carolina)

Located at mile 115.120 of Little Tennessee River, in circle on left bank abutment, upstream side, of bridge over Little Tennessee River, 1 mile upstream from US Highway 23 bridge at Franklin. A chiseled cross, painted white.

NOTE: Searched for but not recovered, February, 1946. Abutment had been chipped off. Chiseled cross could not be identified.

ELEVATION: 2010.5 feet (E-4)

LTR 81 (USED, 1926; Macon County, North Carolina)

Located at mile 116.230 in Little Tennessee River, left bank, 2 miles upstream from highway bridge at Franklin, and 1 mile above LTR 80, about 0.2 miles upstream from railroad "Y". Dwelling house stands on slope about 800 feet up hollow, in base of 14-inch scrub oak in mouth of hollow, 100 feet from railroad and 40 feet downstream from small spring in mouth of hollow. A copper nail and washer, painted white.

NOTE: Searched for but not recovered, August 1945.

ELEVATION: 2021.1 feet (E-4)

LTR 82 (USED, 1926; Macon County, North Carolina)

Located at mile 117.340, Little Tennessee River left bank, 3 miles upstream from highway bridge at Franklin, 1.4 miles upstream from railroad "Y", 0.4 miles upstream from milepost 55, in small railroad cut through point of slope at upper end of large bottom, in circle in rock 85 feet upstream from field road grade crossing and 9 feet to river from center line of railroad. A chiseled cross, painted white.

ELEVATION: 2029.920 feet or 618.721 meters (C-1)

LTR 83 (USED, 1926; Macon County, North Carolina)

Located at mile 118.330, Little Tennessee River, left bank, 4 miles upstream from highway bridge at Franklin, approximately 0.8 miles downstream from Prentiss, in circle in rock outcrop in side cut of railroad and 10 feet to hill from center line of railroad, 400 feet upstream from railroad water tank and 400 feet downstream from sign (1 mile to station). A chiseled cross, painted white.

NOTE: Searched for but not recovered, September, 1945.

ELEVATION: 2034.22 feet (E-3)

LTR 85 (USED, 1926; Macon County, North Carolina)

Located at mile 120.310, Little Tennessee River, left bank, 1.3 miles upstream from railroad station at Prentiss, 400 feet upstream from large railroad cut through side of hill, house and barn standing on top of hill, and about 250 feet upstream from small drain, driven in base of 2-foot beech tree standing on toe of wooded slope and standing about 40 feet from center line of railroad. A copper nail and washer, painted white.

NOTE: Searched for but not recovered, August, 1946.

ELEVATION: 2047.54 feet (E-3)

LTR 86 (USED, 1926; Macon County, North Carolina)

Located at mile 121.290, Little Tennessee River, left bank, at Riverside station 2.3 miles upstream from Prentiss, 470 feet upstream from center line of grade crossing at Riverside station, 5 feet downstream from center line of old grade crossing, and 18 feet to hill from center line of railroad, 75 feet upstream from railroad switch post, on small rock outcropping in old road intersection. A chiseled square, painted white.

ELEVATION: 2047.88 feet (E-3)

LTR 87 (USED, 1926; Macon County, North Carolina)

Located at mile 122.330, Little Tennessee River, left bank, 1 mile downstream from Otto, and 1 mile upstream from Riverside station, 300 feet above railroad and about 125 feet below U.S. Highway 23, in base of 2-foot hickory tree, on bank of small drain in mouth of small hollow. A copper nail and washer, painted white.

ELEVATION: 2065.38 feet (E-3)

LTR 88 (USED, 1926; Macon County, North Carolina)

Located at mile 123.520, Little Tennessee River, left bank, at Otto, in circle in top of small rock at upper edge of driveway to railroad station,

immediately to rear of station, 5 feet toward river from edge of U.S. Highway 23. A chiseled cross, painted white.

NOTE: Searched for but not recovered, August 1946. Rock in area is badly weathered. Unable to identify chiseled cross.

ELEVATION: 2064.33 feet (E-3)

LTR 89 (USED, 1926; Macon County, North Carolina)

Located at mile 124.190, Little Tennessee River, left bank, 0.6 miles upstream from Otto, by railroad, in circle in concrete end wall to small culvert under concrete highway on river side and about 80 feet from center line of railroad, 125 feet downstream from railroad sign (1 mile to station). A chiseled cross in circle, painted white.

NOTE: Searched for, but not recovered, August 1946. Concrete badly weathered, unable to identify mark.

ELEVATION: 2069.41 feet (E-3)

LTR 90 (USED, 1926; Macon County, North Carolina)

Located at mile 124.750, Little Tennessee River, left bank, 1.1 mile upstream (by railroad) from Otto, and 500 feet downstream (by railroad) from end of railroad trestle over Little Tennessee River, in circle in rock outcropping 40 feet north from center line of grade crossing, 20 feet from center line of railroad and located between road and railroad. A chiseled cross, painted white.

ELEVATION: 2080.52 feet (E-3)

LTR 91 (USED, 1926; Macon County, North Carolina)

Located at mile 125.710, Little Tennessee River, right bank, 2.1 miles upstream from Otto, (by railroad) 0.75 miles upstream from first railroad trestle across Little Tennessee River above Otto, about 2.8 miles downstream (by railroad) from Georgia line, in circle in rock in railroad cut 125 feet upstream from center line of railroad. A chiseled cross, painted white.

NOTE: Searched for but not recovered, August 1946. Stone badly weathered. Could not identify point.

ELEVATION: 2084.159 feet or 635.253 meters (C-1)

LTR 92 (USED, 1926; Macon County, North Carolina)

Located at mile 127.130, Little Tennessee River, right bank, 0.25 miles upstream from railroad trestle, and 1.3 miles downstream from Georgia line (all measurements by railroad) in circle in rock about 10 feet east of center line of railroad in railroad cut. A chiseled cross.

NOTE: Searched for but not recovered, August 1946. Stones in area are badly weathered. Could not identify point.

ELEVATION: 2094.973 feet or 638.549 meters (C-1)

LTR 93 (USED, 1926; Macon County, North Carolina)

Located at mile 127.780, Little Tennessee River, left bank, 700 feet downstream from railroad milepost 44, and located in cut between two railroad trestles, in rock 10 feet west of center line of railroad. A chiseled square painted white.

NOTE: Searched for but not recovered, August 1946.

ELEVATION: 2100.695 feet or 640.293 meters (C-1)

MS 775 (TVA, 1942; Macon County, North Carolina)

Located in the northwest corner of Quadrangle 167 northwest. To reach from intersection of U.S. Highway 23 and State Highway 28 in Franklin, drive north on State Highway 28 for 2.7 miles to T-road left. Turn left onto T-road and drive 6.5 miles, passing Burnington School, and continuing to curve at blacksmith's shop at T-road intersection on right bank of Burnington Creek. Park car. Here, N 60° E 70 feet from center line of T-road intersection and approximately 18 feet above it, on east side of 14-inch oak stump is station. It is on very steep cleared point on ridge. A 1-by 1-inch angle iron protruding 0.8 feet above ground, and stamped "MS 775".

Reference Mark 1: 7.80 feet S 30° E to tack and washer in 14-inch oak stump.

Reference Mark 2: 15.42 feet N 87° E to tack and washer in 14-inch oak stump.

Reference Mark 3: 16.18 feet N 40° E to tack and washer in 6-inch aspen snag.

GRID POSITION (N.C.): X = 666,090.5; Y = 573,341.8 (T-4 unchecked position)

ELEVATION: 2023 feet (T-5 unchecked elevation)

MS 776 (TVA, 1942; Macon County, North Carolina)

Located in central portion of Quadrangle 167 northwest, on Trimont Ridge. To reach from intersection of State Highway 28 and U.S. 23 at Franklin, drive north on State Highway 28 for 0.65 miles to T-road left. Turn left and drive between two houses up the ridge along old road that terminates at Trimont Triangulation on top of Trimont Ridge. Follow this old road up mountain for 2.15 miles. Park car at this point on steep mountain road which is 250 feet north of slight saddle and point where road runs on top of center line of ridge. Walk east up side of steep ridge for 100 feet to station. A 1-by 1-inch angle iron 15 feet west of center line of ridge stamped "MS 776".

Reference Mark 1: 4.16 feet N 27° W to 4-inch dogwood with nail and washer.

Reference Mark 2: 4.72 feet N 56° E to nail and washer in 30-inch white oak.

Reference Mark 3: 16.85 feet S 04° W to nail and washer in 8-inch white oak.

GRID POSITION (N.C.): X = 681,338.8; Y = 553,487.4 (T-4)

ELEVATION: 2784 feet (T-5)

MS 778 (TVA, 1942; Macon County, North Carolina)

Located in the central portion of Quadrangle 167 northwest. To reach from intersection of State Highway 28 and U.S. Highway 23 at Franklin, drive north on State Highway 28 for 2.7 miles to T-road left. Turn onto T-road and go 0.3 miles to Y-road intersection. Turn left at Y-road and go 1.4 miles along road, parking car at gap in fence on left of road at slight curve. Walk northeast from gap 75 feet to northeast fence corner of field. Here just southwest of fence corner is station. A 1-by 1-inch angle iron stamped "MS 778".

Reference Mark 1: 17.10 feet N 35° W to tack and washer in 4-inch dogwood.

Reference Mark 2: 11.65 feet N 80° E to tack and washer in 3-inch white oak.

GRID POSITION (N.C.): X = 680,770.2; Y = 556,884.7 (T-4 unchecked position)
ELEVATION: 2211 feet (T-5)

MS 780 (TVA, 1942; Macon County, North Carolina)

Located in the west central portion of Quadrangle 167 southwest. To reach from the intersection of State Highway 28 and U.S. Highway 23 in Franklin, drive west on U.S. Highway 23 for 0.1 miles. Turn left and continue on U.S. Highway 23 for 10.7 miles to T-road right. Turn right and drive west up hollow to C. C. C. Camp for 3.2 miles to Y-road intersection. Turn right and continue up hollow, then up mountain to top of ridge and end of road and truck travel - in all 3.9 miles. Take trail west 1.5 miles to Pinnacle Mountain Fire Tower, following along center line of ridge. Walk southeast 0.2 miles to trail intersection in saddle. Turn sharp to right and follow trail northwest along southwest side of top of ridge for about 1500 feet to curve in trail and saddle in ridge. Walk N 33° W from center line of curve 360 feet to station on northeast slope of wooded ridge. A 1- by 1-inch angle iron stamped "MS 780".

Reference Mark 1: 11.40 feet N 30° E to nail and washer in 10-inch red oak.
Reference Mark 2: 9.60 feet S 40° E to nail and washer in 18-inch chestnut oak.
Reference Mark 3: 10.70 feet N 40° W to nail and washer in 14-inch red oak.

GRID POSITION (N.C.): X = 659,172.9; Y = 507,947.8 (T-4)
ELEVATION: 4919 feet (T-5)

MS 781 (TVA, 1942; Macon County, North Carolina)

Located in the west central portion of Quadrangle 167 southwest. To reach from intersection of State Highway 28 and U.S. Highway 23 in Franklin, drive west on U.S. Highway 23 for 0.1 miles, turn left and continue on U.S. Highway 23 for 10.7 miles to T-road right. Turn right and drive west up hollow to C.C.C. Camp for 3.2 miles to Y-road intersection. Turn right and continue up hollow, then up mountain to top of ridge and end of road and truck travel, in all 3.9 miles. Take trail west 1.5 miles to Pinnacle Mountain Fire Tower, following along center line of ridge. Walk southeast 0.2 miles to trail intersection in saddle. Take Mooney Gap trail to right around north side of mountain 2000 feet to saddle. Keep to right around north side of mountain, following trail 2000 feet to deep saddle. Leave trail and walk west through saddle, taking very faint old trail around north side of mountain for 2500 feet coming to center line of west lead ridge from high top of mountain. Turn right on center line of lead and walk west through slight saddle over small top, coming to clearing in saddle with huge oak in center on center line of ridge, in all approximately 1000 feet. From said huge oak, turn 180 feet and back track up center line of ridge for 293 feet S 54° E to station on slope 40 feet north of center line of ridge. A 1- by 1-inch angle iron stamped "MS 781".

Reference Mark 1: 10.60 feet N 85° W to 4-inch chestnut oak - nail and washer.
Reference Mark 2: 13.85 feet S 65° E to 18-inch dead chestnut snag - nail and washer.
Reference Mark 3: 13.39 feet S 20° W to 12-inch red oak - nail and washer.

GRID POSITION (N.C.): X = 656,873.8; Y = 504,350.2 (T-4)
ELEVATION: 4940 feet (T-5)

MS 786 (TVA, 1942; Macon County, North Carolina)

Located in the extreme southeast corner of Quadrangle 167 southeast. To reach from Dillard, Georgia, drive north 1.0 mile to T-road right to Highlands, follow T-road northeast for 7.05 miles to T-road right. Turn onto T-road and drive south for 2.2 miles to Y-road intersection. Keep to left and drive east over crooked road for 1.25 miles to curve to right. Park car and take trail east. This trail drops in elevation crossing streams in hollow and bearing to left up west side of mountain coming to saddle. Thence trail bears to right, following north side of mountain, finally dropping into approximate 10 acre clearing with house in east end. Walk along trail north up to center line of ridge approximately 375 feet. Turn left on center line of ridge and continue along path west on center line for 200 feet to station. A 1- by 1-inch angle iron 4 feet south of trail, stamped "MS 786".

Reference Mark 1: 16.25 feet S 55° W to nail and washer in 4-inch oak stump.
Reference Mark 2: 30.40 feet S 46° E to nail and washer in 14-inch chestnut oak.
Reference Mark 3: 21.15 feet N 33° E to nail and washer in 8-inch pine stump.

GRID POSITION (N.C.): X = 721,790.6; Y = 485,028.3 (T-4)
ELEVATION: 3184 feet (T-5)

N 426 (TVA, 1938; Macon County, North Carolina)

Located on left bank of Little Tennessee River, about 2 miles downstream from State Highway 28 bridge over Little Tennessee River, 150 feet southwest of Floyd Roper's house and on east side of road parallel to bank of river, in west root of 12-inch leaning apple tree. Nail and washer.

ELEVATION: 1957.27 feet (T-3)

PAT 1 (TVA, 1942; Macon County, North Carolina)

Located in south central portion of Quadrangle 167. To reach from traffic signal at intersection of U.S. Highways 64 and 23 in Franklin, drive 9.25 miles on U.S. Highway 23 to Otto Post Office. Turn left 0.3 miles to Y-road intersection. Turn left 0.9 miles to T-road intersection. Turn left 0.35 miles to T-road left, turn left on dirt road and drive 300 feet to woods and end of car travel. Leave car and go 100 feet up bank and ridge to station. A 1- by 1-inch angle iron.

Reference Mark 1: 26.75 feet N 48° W to 8-inch oak.
Reference Mark 2: 35.50 feet N 53.30° E to 4-inch oak.
Reference Mark 3: 33.0 feet S 31° W to 4-inch oak.

GRID POSITION (N.C.): X = 689,474.1; Y = 508,559.8 (T-4)
ELEVATION: 2196 feet (T-5)

R 14 (TVA, 1940; Macon County, North Carolina)

Located 5.5 miles southeast along U.S. Highway 64 from Franklin, 1000 feet northeast of Salem Church, 50 feet west of an 18-inch sycamore. A chiseled square on east headwall of concrete culvert.

ELEVATION: 2097.561 feet or 639.338 meters (T-2)

RW 1 (USGS, 1936; Macon County, North Carolina)

Located 5.3 miles southwest of Franklin, on U.S. Highway 64, 120 feet northeast of junction of Andrews road, and in the south end of east headwall of concrete culvert over Mill Creek. A standard tablet stamped "RW 1 1936".

Reference mark is 120 feet north of tablet, on west side of road, in root on south side of 24-inch oak tree; copper nail and washer 6.47 feet higher than tablet.

ELEVATION: 2100.10 feet (G-3)

RW 3 (USGS, 1936; Macon County, North Carolina)

Located 9.5 miles southwest along U.S. Highway 64 from Franklin, on east guard rail of concrete highway bridge over Jones Creek, 5 feet from north end, and 380 feet southeast of road fork. A standard tablet stamped "RW 3 1936".

Reference mark is 390 feet northwest of tablet, in northeast angle of road fork, top of boulder; chiseled square 0.90 feet lower than tablet.

ELEVATION: 2235.74 feet (G-3)

SCALY (USGS, 1934; Macon County, North Carolina)

Located on the southwest edge of Scaly Mountain top, about 5.5 miles west of Highlands, and 12 miles southeast of Franklin. To reach from Clayton, Georgia, drive 7.8 miles on Highway 15, toward Franklin, turn right on Highlands road for 12.7 miles, turn left on Turtle Road for 0.1 mile, then left 0.8 mile, then left onto woods road 0.8 mile to old cabin in gap, leave car here and follow trail southwest up ridge back of cabin about 0.5 mile to station. A standard tablet stamped "Scaly 1934" set in rock ledge.

Reference Mark 1: 17.8 feet S 70° W to drill hole in rock ledge.
Reference Mark 2: 12.8 feet N 35° W to drill hole in rock ledge.
Reference Mark 3: 14.8 feet N 45° E to drill hole in rock ledge.

GEODETIC POSITION: Lat. = 35°02'13.793"; Long. = 83°17'08.539" (G-3)

To Station	Azimuth	Back Azimuth	Log Meters	Miles
Rabin 2	9°16'23.1"	189°15'53.8"	3.906219	5.0
Finnhawk	160 33 18.3	340 32 24.3	3.894316	4.4
Hogback Mountain	202 52 35.0	22 54 42.8	4.160052	9.0

GRID POSITION (N.C.): X = 717,529.7; Y = 496,129.1 (G-3)

GRID POSITION (Ga. West): X = 763,713.0; Y = 1,833,604.8 (G-3)

ELEVATION: 4804 feet (T-5)

SN 378 (TVA, 1939; Macon County, North Carolina)

Located 4.5 miles southwest along State Highway 106 from post office at Highlands, 11.4 miles northeast of post office at Dillard, on the Pittman property, 30 feet south of highway, opposite old highway northwest, 30 feet west of center line of field road, 400 feet south of house, at northwest edge of large field. A standard disk stamped "SN 378" set in concrete monument.

Reference Mark 1: 10 feet East to white oak stump.
Reference Mark 2: 21.5 feet South to 4-inch white oak.
Reference Mark 3: 65 feet Northwest to highway stop sign.

ELEVATION: 3949.070 feet or 1203.679 meters (T-2)

SN 379 (TVA, 1939; Macon County, North Carolina)

Located 5.3 miles southwest along State Highway 106 from post office at Highlands, 10.6 miles northeast of post office at Dillard, Georgia, 30 feet southwest of center line of old highway, 90 feet southwest of center line of new highway 106, 90 feet south of dirt cut in new highway. A standard disk stamped "SN 379" set in concrete monument.

Reference Mark 1: 13 feet South to 28-inch red oak.
Reference Mark 2: 71 feet East to 30-inch red oak.
Reference Mark 3: 34.5 feet West to dead chestnut.

ELEVATION: 3783.490 feet or 1153.210 meters (T-2)

SN 380 (TVA, 1939; Macon County, North Carolina)

Located 6.4 miles southwest along State Highway 106 from post office at Highlands, 9.5 miles northeast of post office at Dillard, Georgia, 2.7 miles northeast of post office at Scaly, 57 feet south of center line of highway, 250 feet southeast of winding road sign, approximately 3 feet above level of road, opposite a 10-foot dirt bank on north side of road. A standard disk stamped "SN 380" set in concrete monument.

Reference Mark 1: 14.3 feet West to a 28-inch chestnut oak tree.
Reference Mark 2: 26.5 feet East to a dead chestnut tree.
Reference Mark 3: 35 feet South to a 28-inch black gum tree.

ELEVATION: 3760.038 feet or 1146.062 meters (T-2)

SN 381 (TVA, 1939; Macon County, North Carolina)

Located 7.1 miles southwest along State Highway 106 from post office at Highlands, 8.8 miles northeast of post office at Dillard, Georgia, 2.0 miles northeast of post office at Scaly, 1.1 mile east of Scaly School, about 0.1 mile southwest of Saltrock Gap, on south side of highway, 45 feet from center line highway, 35 feet southeast from large boulder on south side of highway, approximately 5 feet above level of road, on opposite side of highway from line of large boulders above highway on north side. A standard tablet stamped "SN 381" set in concrete monument.

Reference Mark 1: 11.5 feet North to 12-inch oak tree.
Reference Mark 2: 12.5 feet East to 10-inch red oak.
Reference Mark 3: 14.5 feet West to large boulder.

ELEVATION: 3899.641 feet or 1188.613 meters (T-2)

SN 382 (TVA, 1939; Macon County, North Carolina)

Located 8.3 miles southwest along State Highway 106 from post office at Highlands, 7.6 miles northeast of post office at Dillard, Georgia, 0.8 miles north of post office at Scaly, about 0.1 mile south of Scaly School on west side of highway, 37.5 feet from center line of highway, 59.5 feet east of corner of cemetery fence, 112 feet northeast of northeast corner of Flats Methodist Church, 111.5 feet northeast of southeast corner of church, 11 feet west of top of highway bank, 27 feet west of north end of 12-inch culvert in ditch, 31.5 feet northwest of south end 12-inch metal culvert in ditch. A standard disk stamped "SN 382" set in concrete monument.

Reference Mark 1: 38.5 feet S 30° W to 36-inch hollow white oak tree.
Reference Mark 2: 35.8 feet N 65° W to 24-inch Spanish oak tree.
Reference Mark 3: 49.0 feet N 10° E to 14-inch maple tree.

ELEVATION: 3567.194 feet or 1087.283 meters (T-2)

SN 383 (TVA, 1939; Macon County, North Carolina)

Located at Scaly Post Office, 9.1 miles southwest along State Highway 106 from post office at Highlands, 6.8 miles northeast of post office at Dillard, Georgia, on property of J. D. Burnette, 52 feet south of southwest corner of J.D. Burnette's General Merchandise Store, also post office, 56 feet south of chimney to store that is on south side of building about 150 feet west of J.D. Burnette's 2-story frame residence, 27.5 feet east of center line of new highway, 18 feet west of center line of old highway, 13.5 feet west of west end of gravelled walk to house, 69 feet south of gas pump at northwest corner of store building, set near lone 12-inch apple tree. A standard disk stamped "SN 383" set in concrete monument.

Reference Mark 1: 53.5 feet S 50° E to 4-inch white pine tree.
 Reference Mark 2: 3.0 feet N 70° E to 12-inch apple tree.
 Reference Mark 3: 52.0 feet N 15° E to southwest corner of brick store building.

ELEVATION: 3504.858 feet or 1068.283 meters (T-2)

SN 384 (TVA, 1939; Macon County, North Carolina)

Located 10.3 miles southwest along State Highway 106 from post office at Highlands, 5.6 miles northeast of post office at Dillard, Georgia, 1.2 miles southwest of Scaly Post Office, 0.8 miles north of North Carolina-Georgia State line, on property of M. S. Burnette, 31.5 feet south of center line of new highway, 18 feet south of center line of "Y" road to southeast at east edge of 20 feet earth cut on both sides of highway about 700 feet north of house on hill top, 19 feet southwest of point of bank at "Y" road intersection, 9.5 feet south of top of highway bank, 9 feet northwest of top of "Y" road bank, 16 feet northeast of cultivation line inside of roads. A standard disk stamped "SN 384" set in concrete monument.

Reference Mark 1: 101.0 feet S 55° W to lone 18-inch white oak tree on top of ridge.
 Reference Mark 2: 31.5 feet North to center line of highway.

ELEVATION: 3305.239 feet or 1007.439 meters (T-2)

SNB 21 (TVA, 1940; Macon County, North Carolina)

Located 3.6 miles southwest along State Highway 106 from intersection of State Highway 106 and U.S. Highway 64, at Highlands, 27 feet south of center line of highway, 50 feet south from southeast corner of stone culvert, 400 feet west from center line of road at top of mountain. Nail set in north side of 8-inch sassafras tree.

ELEVATION: 3974.894 feet or 1211.550 meters (T-2)

TREMONT (USGS, 1934; Macon County, North Carolina)

Located 1.5 miles (airline) northwest of Franklin on property of U.S. Government. To reach from Franklin Courthouse, go 0.8 miles on road leading past Tremont Inn and Lisle Hospital to side road left, turn left and continue between two houses straight ahead for 0.4 miles to road fork, turn left 1/2 mile to dirt road fork, turn sharp right up bank to ridge and continue along Mt. road on summit of ridge 2.3 miles to station. Road is rough but can be made with chains. Station is located on highest point of Tremont Mt., 15 feet south of Mt. Road. A standard tablet stamped "TREMONT 1934" set in concrete in top of sandstone boulder about 2-inches above ground surface.

Reference Mark 1: 25.2 feet N 24° W to drill hole in native rock.
 Reference Mark 2: 47.3 feet S 03° E to drill hole in native rock.
 Reference Mark 3: 22.7 feet S 85° W to drill hole in native rock.

GEODETIC POSITION: Lat. = 35°11'25.253"; Long. = 83°25'33.757" (G-3)

To Station	Azimuth	Back Azimuth	Log Meters	Miles
Standing Indian	30°44'39.2"	210°40'47.1"	4.301147	12.4
Wayah	84 47 15.8	264 42 36.3	4.090752	7.7
Fishhawk	314 31 45.1	134 35 41.8	4.164672	9.1

GRID POSITION (N.C.): X = 678,046.5; Y = 553,664.3 (G-3)

ELEVATION: 3314 feet (T-5)

X 54 (USC&GS, 1934; Macon County, North Carolina)

Located 0.3 miles northeast along U.S. Highway 64 from Franklin, 0.2 miles northeast of a concrete bridge, at the intersection of U.S. Highway 23, 40 feet northwest of the center line of U.S. Highway 23, 35 feet northeast of the prolongation of the center line of the southeast tangent of U.S. Highway 64, in the yard of a frame house on a knoll, and 1 foot north of a stone-terraced wall. A standard tablet stamped "2016.761 X 54 1934" set in concrete monument projecting 4 inches above ground.

NOTE: Searched for but not recovered, November 1941. Possibly destroyed by building excavation.

ELEVATION: 2016.656 feet or 614.678 meters (C-2)

Y 54 (USC&GS, 1934; Macon County, North Carolina)

Located 2.5 miles southeast along U.S. Highway 64 from Franklin, 2.1 miles east of the intersection of U.S. Highway 23, about 0.5 miles west of the Bethel Methodist Episcopal Church, about 100 yards west of an entrance drive leading north, at a curve on the crest of a hill, 7 yards west of the center line of a 14-inch corrugated iron pipe culvert, and about 10 yards north of the center line of the highway. A standard tablet stamped "2169.234 Y 54, 1934" set in concrete monument projecting 4 inches above ground.

ELEVATION: 2169.116 feet or 661.148 meters (C-2)

Z 54 (USC&GS, 1934; Macon County, North Carolina)

Located 4.5 miles southeast along U.S. Highway 64 from Franklin, 0.3 miles southeast of the post office and a two-span bridge at Cullasa, at the crest of a hill, across the highway from an entrance drive leading east, and about 11 yards west of the center line of the highway. A standard tablet stamped "2135.780 Z 54, 1934" set in concrete monument projecting 4 inches above ground.

NOTE: Searched for but not recovered in November, 1941. Probably destroyed when excavation for new house was made.

ELEVATION: 2135.652 feet or 650.948 meters (C-2)