

Qd. #1062

Station: BIG BUTT County: Haywood-Buncomb State: N. C.

Observer: S. E. Thomas Year: 1934 Datum: 1927 N.A.D. - Preliminary

Description: Comp. Bk. TVA #54

Located about 6 mi by rd. NE. of Canton on the highest point of Big Butt Mountain.

To reach station from Canton post office drive N. on Beaver Dam rd. 1.7 mi to Y-rd., thence right 0.9 mi and drive straight ahead by T-rd. left, thence 0.5 mi to Y-rd., thence left 0.6 mi to Y-rd., thence left 0.5 mi to Y-rd., thence right 1 mi to residence of J. R. Willis. Leave car here and follow up ridge N. to top of ridge, thence right up ridge to highest point and station. Station is about 10 ft SW. of three-way fence corner.

Station mark: Standard tablet cemented in rock set in place and stamped "BIG BUTT 1934".

Signal: Pole with red and white targets mounted in top of 30-in. oak and centered over station mark.

Reference mark No. 1 is 1-in. drill hole in rock set in place 18.55 ft distant, N. 23° E.

Reference mark No. 2 is 1-in. drill hole in rock set in place 17.59 ft distant, N. 60° E.

Reference mark No. 3 is drill hole in rock set in place 7.56 ft distant, S. 8° E.

[Latitude 35 35 51.29 Longitude 82 47 57.40 1

To Station—	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Log. Meters	Miles
√ Sentall	43	12	21.62	223	07	53.99	4.2292171	10.532
√ Chambers	71	39	51.46	251	36	05.69	4.0125430	6.396
√ Sandymush	140	23	05.96	320	20	11.14	4.0730920	7.352
√ High Knob	202	28	15.14	22	29	54.99	4.0519624	7.003

NGVD 29
Elevations

Qd. #162

Station: DOGGETT County: Madison State: N. C.

Observer: R. H. Lyddan Year: 1934 Datum: 1927 N.A.D.

Description: Cmp. Bk. TVA #50-

Located about 4.6 mi S. of, thence 7.8 mi W. of Marshall, on grassy top known as Doggett Knob and owned by Roy Rogers. To reach from Marshall drive S. on Highway 213 9.7 mi, turn left 2.3 mi, thence right 8.1 mi to Doggett Gap. Leave car and walk NE. up ridge, across wooded top, then through grassy field and up to station on highest top.

Station mark: Standard tablet stamped "DOGGETT 1934" and set in rock set in place.

Signal: Pole tripod with red over white flag over white across targets and brush.

Reference mark No. 1: Drill hole in rock set in place 13.3 ft N. 50° E.

Reference mark No. 2: Drill hole in rock set in place 13.1 ft S. 50° E.

Reference mark No. 3: Drill hole in rock set in place 6.6 ft N. 85° W.

[Latitude 35 43 47.20

Longitude 82 49 29.30]

To Station—	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Log. Meters	Miles
/ Sandwash	43	17	23.45	223	15	21.98	3.8827212	4.743
Max Patch	122	03	27.96	301	58	49.83	4.1492060	8.761

NGVD 29
Elevations

Qd. #162

Station: SANDYMUSH

County: Haywood-Buncombe State: N. C.

Observer: USC&GS

Year: 1933 Datum: 1927 N.A.D.

Description: Comp. Bk. TWA #49

Located on summit of what is known as Sandy Mush Bald in New Found Mountains, about 6 mi NE. of Crabtree Post Office, and 10.5 mi NNW. of Canton. To reach from Canton, take Highway 19 and 23 W. 7 or 8 mi to junction with Highway 209 just E. of Lake Junaluska, thence N. on Hwy. 209 6.4 mi to Crabtree Post Office, thence N. on Hwy. 209 to junction with Hwy. 289, continue 3.8 mi to top of divide in mountain. Continue down from top 0.45 mi to end of truck travel at logging rd. leading off up slope to E. A large tree with triangle blaze is about 20 yds. E. of rd. here. Follow this rd. about 200 yds. to point where stream crosses, thence left up trail about 3.4 mi up creek to cleared land. Peak can be seen bearing slightly to right from here about 1.4 mi distant and 350 ft elev. Station is on N. end of summit, cleared except for some old dead trees, 73.3 ft E. of dead twin chestnuts and 15.8 ft W. of wire fence.

Station mark: Standard disk wedged in drill hole in boulder.

Reference mark No. 1 is standard disk wedged in drill hole in boulder on W. down slope, 63 ft in embedded flat rocks, 10 ft E. of two dead chestnuts.

Reference mark No. 2 is standard disk wedged in drill hole in boulder along S. crest of ridge 45 ft and in line of wire fence in flat rocks.

Reference mark No. 3 is azimuth mark, on high wooded knoll, 200 yds. S. of station on E. side of knoll.

OBJECT	DISTANCE	DIRECTION
Bearwallow	meters	00° 00' 00.0"
R.M. No. 1	19.278	175° 07' 27"
R.M. No. 2	13.890	83° 14' 26"
R.M. No. 3 Az. Mk.	200 yds.	92° 18' 41.6"

[Latitude 35 40 46.257

Longitude 82 52 57.436]

To Station—	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Log. Meters	Miles
↓ Chambers	10	09	49.44	190	08	58.21	4.0987240	7.796
↓ Bent Knee	70	32	51.25	250	27	22.92	4.1769524	9.338
↓ Noland	102	53	09.64	282	49	03.21	4.0371677	6.769
↑ Erable	199	25	49.02	19	27	46.47	4.1810443	9.426
↓ Doggett	223	15	21.98	43	17	23.45	3.8827212	4.743
↑ Brittan	262	09	55.64	82	23	05.71	4.5359210	112695.1 ft
↓ High Knob	263	41	36.06	83	46	11.03	4.0764205	7.409
↑ Bear Wallow	296	52	29.82	117	10	50.01	4.7280729	175411.1 ft
↓ Big Butt	320	20	11.14	140	23	05.96	4.0730920	7.352
↑ Pisgah	337	57	01.84	158	01	24.90	4.4828937	99742.0 ft

NGVD 29
Elevations

Qd. #162

Station: CHAMBERS County: Haywood State: N. C.
 Observer: S. B. Thomas Year: 1934 Datum: 1927 N.A.D. - Preliminary
 Description: Comp. Bk. TVA #54.

Located 4.1 mi by rd. N. of Clyde Post Office on highest point of Chambers Mountain. To reach station from Clyde Post Office, drive N. on county rd. across Pigeon River and straight by crossroads on N. side of river, thence follow main rd. distance of 4.1 mi from post office to top of mountain. Station is located directly under 50-ft lookout tower.

Station mark: Standard tablet cemented in rock set in place stamped "CHAMBERS 1934".

Reference mark: Station mark is under center of tower and equal distance from all four legs of tower.

Signal: Center of 50-ft steel lookout tower.

[Latitude 35 34 06.05 Longitude 82 54 25.40]

To Station—	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Log. Meters	Miles
↓ Santall	11	18	57.62	191	18	15.55	3.9685212	5.779
↓ Eagle Nest	56	23	12.59	236	18	32.81	4.1634609	9.053
Truelove	78	51	05.74	258	48	09.44	3.8910716	4.835
Sandymash	190	08	58.21	10	09	49.44	4.0987240	7.796
Big Butt	251	36	05.69	71	39	51.46	4.0125430	6.396
Smathers	294	43	49.58	114	48	19.25	4.1095336	7.996

NGVD 29
Elevations

Qd. #162

Station: NOLAND County: Haywood State: N. C.

Observer: S. B. Thomas Year: 1934 Datum: 1927 N.A.D. - Prelim.

Description: Comp. Bk. TVA #50

Located about 14 mi (airline) N. of Waynesville on the highest point of property owned by Reeves Noland. To reach station from Waynesville, drive E. on U. S. Highway 19 4.1 mi, thence left on State Highway 209 12.8 mi, thence left on State Highway 289 (at stone store) 0.7 mi, thence left 2.6 mi after crossing bridge. Leave car and follow old wagon rd. right about 2 mi to gap, thence left at gap ridge to highest point and station. Old wagon rd. dim in places.

Station mark: Standard tablet cemented in rock set in place stamped "NOLAND 1934"

Signal: Pole tripod with red and white flags and apex of tripod filled with brush centered over station mark.

Reference mark No. 1: 1-in. drill hole in rock set in place 16.36 ft distant, S. 10° W.

Reference mark No. 2: 1-in. drill hole in rock set in place 15.74 ft distant, N. 87° W.

Reference mark No. 3: 1-in. drill hole in rock set in place 12.86 ft distant, N. 49° E.

[Latitude 35 42 05.58

Longitude 82 59 59.84]

To Station—	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Log. Meters	Miles
✓ Max Patch	200	06	03.33	20	07	33.69	4.0530633	7.021
✓ Sandymush	282	49	03.21	102	53	09.64	4.0371677	6.769

NGVD 29
Elevations

QUAD FINES CREEK

STATE NORTH CAROLINA

By C. E. Reick,
1928

ALTITUDE ABOVE
MEAN SEA LEVEL

ORDER THIRD

Adj. SEA LEVEL DATUM OF 1929
through medium of Southeastern Supplementary
Adjustment of 1936

(Feet)

Bk. B3133

1/28/48 msf

NORTH CAROLINA
FINES CREEK QUADRANGLE

(Latitude: 35°30'-35°45'; Longitude: 82°45'-83°)
Buncombe, Haywood and Madison Counties

Third-order leveling:

FROM WAYNESVILLE QUADRANGLE NORTHWEST ALONG HIGHWAYS INTO
CATALOCHEE QUADRANGLE (by C. E. Reick, 1928; Book B3133)

Waynesville, 1.7 mi. NW. of, on Dellwood rd., 75 ft.
NE. of T-rd. NW., top of head wall at NW. end of
concrete culvert; square cut 2668.12

Waynesville, 2.7 mi. NW. of, 170 ft. N. of crossing
of Dellwood rd. and lumber R.R., top of concrete
head wall at E. end of hwy. culvert; square cut 2583.40

Waynesville, 3.4 mi. NW. of, W. side of Dellwood rd.
opposite T-rd. E. into farmyard, 30 ft. W. of
spring-house, top of concrete culvert head wall;
square cut 2650.20

FROM WAYNESVILLE NORTHEAST ALONG SOUTHERN RAILROAD TO
TUSCOLA (by C. E. Reick; 1928; Book B3133)

Lake Junaluska sta., top of concrete curbing in front
of main entrance; square cut 2586.98

Tuscola, 500 ft. E. of post office, 10 ft. S. of hwy.,
25 ft. E. of building; standard iron post with bronze
cap stamped "2595 A" (Bull. 646, p. 54) 2594.097

NGVD 29
Elevations

102
9-1078-A

GREAT SMOKY MOUNTAINS

162

QUAD FINES CREEK

STATE NORTH CAROLINA

By C. E. Reick,
1928

ALTITUDE ABOVE
MEAN SEA LEVEL
(Feet)

ORDER THIRD

ADJ. SEA LEVEL DATUM OF 1929
through medium of Southeastern Supplementary
Adjustment of 1936

Bk. B3133
1/28/48 msf

NORTH CAROLINA

FINES CREEK QUADRANGLE

PUBLICATION COPY

(Latitude: 35°30'-35°45'; Longitude: 82°45'-83")

Buncombe, Haywood and Madison Counties

Third-order leveling:

FROM WAYNESVILLE QUADRANGLE NORTHWEST ALONG HIGHWAYS INTO
CATALOOCHEE QUADRANGLE (by C. E. Reick, 1928; Book B3133)

Waynesville, 1.7 mi. NW. of, on Dellwood rd., 75 ft.
NE. of T-rd. NW., top of head wall at NW. end of
concrete culvert; square cut

2668.12

Waynesville, 2.7 mi. NW. of, 170 ft. N. of crossing
of Dellwood rd. and lumber R.R., top of concrete
head wall at E. end of hwy. culvert; square cut

2583.40

Waynesville, 3.4 mi. NW. of, W. side of Dellwood rd.
opposite T-rd. E. into farmyard, 30 ft. W. of
spring-house, top of concrete culvert head wall;
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25 ft. E. of building; standard iron post with bronze
cap stamped "2595 A" (Bull. 646, p. 54)

2594.097

NGVD 29
Elevations

UPPER FRENCH BROAD BENCH MARKS

Tennessee Valley Authority

Fourth Order

The UFB bench marks are filed with the TVA control booklets. The designations range from UFB-1 through UFB-315 and are listed in this order.

This cover sheet is placed with USGS Quads to inform that additional BM's are available in the listed quads.

<u>USGS</u>	<u>TVA</u>
87	194
88	185
123	202
124	193
160	201
✓ 161	192
194	200
195	191
196	182

NGVD 29
Elevations