N3600-W8200/15 NORTH CAROLINA-TENNESSEE Nog. 22 N.C. - 126 Tenn. TOECANE QUADRANGLE

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Bull. 646, pg.51 Third-order Leveling S.L.D. 1929 Recopied: 6/18/54 jmr

FROM HUNTDALE EAST TO ROCK CREEK NEAR RED HILL

Herrell, 1.7 mi. SW. of, 200 ft. S. of Widow Street's house, 25 ft. from right bank of Rock Creek, on top of boulder; chiseled circle

2293.67

FROM RED HILL NORTH UP ROCK CREEK TO MAGNETIC CITY

Magnetic City, 0.35 mi. N. of, in side of boulder fronting rd.; aluminum tablet stamped (plug, formerly stem of) "2805 ASH"

2804.740

FROM BAKERSVILLE EAST ALONG HIGHWAY TO SPEAR

Bakersville, 8.4 mi. E. of, 30 ft. E. of point where rd. crosses top of Cane Creek Mountain, in root of large chestnut tree; nail

4162.03

Spear, mouth of Henson Creek, in rock ledge; standard tablet stamped (plug, formerly stem of) "2840 ASH"

2839.573

FROM BULADEAN ALONG HIGHWAYS SOUTH TO RED HILL THENCE EAST BY WAY OF BAKERSVILLE TO SPEAR (by R. P. Willingham, 1934; Book B5327)

Third-order leveling; supplementary to second-order levels by U.S.C. & G.S.)

Buladean (formerly Magnetic City), 0.35 mi. N. of, 275 ft. SW. of highway, at SW. edge of old rd., 150 ft. SW. of Spring Creek, in side of boulder fronting rd.; aluminum plug, formerly stem of tablet stamped "2805 ASH"

2804.740

Reference mark, 50 ft. N. of plug, on large boulder; chiseled square

2804.09

Buladean, 0.8 mi. S. of, 150 ft. N. of small drain crossing, 10 ft. SE. of rd., in root on N. side of 16-in. buckeye tree; copper nail and washer, painted "USBM 2718.4"



TOECANE QUADRANGLE

Bk. B5327 by R.P. Willingham, 1934

Recopied: 6/18/54 jmr

(Cont'd. P. 2)

Buladean, 2.0 mi. S. of, 6 ft. S. of SW. corner of private garage, E. of rd., on N. edge of boulder; chiseled square, painted "USBM 2538.8"

Buladean, 3.3 mi. S. of, 130 ft. SE. of mouth of Bean Creek, 100 ft. W. of T-rd. fork, 15 ft. E. of NE. corner of bridge over Rock Creek, 10 ft. N. of T-rd., top of concrete post; standard tablet stamped "RPW 1 1934 2385", painted "USPBM 2384.5"

Reference mark, 180 ft. S. of tablet, 30 ft. W. of rd., on boulder; chiseled square

Buladean, 4.0 mi. S. of, 40 ft. NW. of intersection of T-rd. SE., 15 ft. N. of rd., 80 ft. N. of bridge over small stream, in root on NE. side of 12-in. locust tree; copper nail and washer, painted "USBM 2375.4"

Buladean, 5.8 mi. S. of, 0.6 mi. S. of Honeycutt Post Office, on E. end of S. concrete abutment of iron bridge over Rock Creek; chiseled square, painted "USBM 2291.8"

Buladean, 6.7 mi. S. of, 0.9 mi. N. of Red Hill, 80 ft. N. of intersection of old field rd. NE, at point of sharp curve in main rd., in top of large boulder; standard tablet stamped "RPW 2 1934 2510", painted "PBM 2510.4"

Reference mark, 90 ft. SE. of tablet, in root on SW. side of 6-in. beech tree; copper nail and washer

Red Hill, 0.3 mi. SE. of, 2700 ft. N. of SW. end of bridge over small stream at entrance to barnyard, 30 ft. S. of rd., on NE. part of rock outcrop; chiseled square, painted "USBM 2420.5"

Red Hill, 1.6 mi. SE. of, 4.3 mi. W. of Eakersville, 0.5 mi. NW. of rd. to Buladean and rd. to Toecane, 40 ft. SW. of rd., top and about in center of rock ledge; chiseled square, painted "USBM 2445.2"

Bakersville, 2.8 mi. W. of, 170 ft. SE. of concrete bridge over Cane Creek, 80 ft. SE. of rd. fork, E. end of residence, top of concrete post; standard tablet stamped "RPW 3 1934 2327", painted "PBM 2327.4" (Tied to C&GS 1936)

2327.651

Reference mark, 180 ft. NW. of tablet, on N. corner of NE. concrete abutment of bridge over Cane Creek; chiseled square

TOECANE QUADRANGLE	NORTH CAROLINA	-TENNESSEE
Bk. B5327 by R.P. Willingham, 1934 Recopied: 6/18/54 jmr (Cont'd. P. 3)	S.L.D. of	1929
Bakersville, 2.1 mi. W. of, 60 ft. SE. of from to George's Cash Store, on SW. concrete wing concrete bridge; chiseled square, painted "	g wall of	2372.67
Bakersville, 0.6 mi. W. of, 20 ft. SE. of rd. NW. corner of SW. head wall of concrete cult square, painted "USBM 2429.3"		2429.68
Bakersville, about 100 ft. S. of street interson NW. corner of N. concrete abutment of brocane Creek; chiseled square, painted "USBM 2	idge over	2459.96
Bakersville, 275 ft. SW. of school building, of SE. corner of school storage garage, in State of school grounds, top of concrete post; state stamped "Magnetic Station 1931" (U.S.C. & G. Station, no description was furnished for the this one written in field)	S. portion andard tablet .S. Magnetic	2490,986
Reference mark, 100 ft. NW. of tablet, on condat SE. corner of school storage garage	crete pillar	2487.12
Bakersville, 0.9 mi. E. of, on NE. concrete at of iron bridge over Cane Creek; chiseled squ painted "USBM 2487.2"		2487.56
Bakersville, 1.9 mi. E. of, 80 ft. N. of cross SW. fork leading to mill site, 40 ft. NW. of root on E. side of 14-in. locust tree; coppe and washer, painted "USBM 2529.6"	?rd., in	2529.96
Bakersville, 2.9 ml. E. of, 60 ft. N. of NE. of Clarrissa Post Office, 35 ft. SE. of rd. int top of concrete post; standard tablet stampe "RPW 6 1934 2602", painted "PBM 2601.8"	ersection,	2602.111
Reference mark, 110 ft. NW. of tablet, on cent ledge; chiseled square	er of rock	2602.99
Bakersville, 4.0 mi. E. of, 0.7 mi. W. of Hawk NW. edge of rd., on S. corner of sharp rock; square, painted "USBM 2709.9"		2710.20
Hawk, 0.3 mi. NE. of, 80 ft. E. of Cane Creek Church, 40 ft. SE. of rd., in root on SE. si large twin poplar tree; copper nail and wash "USBM 2820.4"	de of er, painted	2820 . 72 [′]

Bk. B5327 by R.P. Willingham, 1934 Recopied: 6/18/54 Jmr

S.L.D. of 1929

(Cont'd. P. 4)

Hawk, 1.5 mi. NE. of, 90 ft. SE. of intersection of T-rd. S., 40 ft. NE. of T-rd., top of and about center of large boulder; standard tablet stamped "RPW 7 1934 3115", painted "USPBM 3114.8"

3115.090

Reference mark, 50 ft. N. of tablet, on SE. edge of rock ledge; chiseled square

3113.57

Hawk, 3.0 mi. NE. of, at E. edge of rd., on lower part of rock outcrop; chiseled square, painted "USBM 3752.4"

3752.66

Hawk, 4.0 mi. NE. of, 5.9 mi. NW. of Spear, 15 ft. SE. of point where rd. crosses top of Cane Creek Mtn., near center of rock ledge; chiseled square, painted "USBM 4159.7"

4159.96

Spear, 3.6 mi. NW. of, on rd. over Cane Creek Mtn., at N. edge of gate, W. edge of rd., on NE. part of rock boulder; chiseled square, painted "USBM 3616.2"

3616.39

Spear, 2.8 mi. NW. of, 2.8 mi. NW. of mouth of Henson Creek, on SW. side of rd., set in top of large boulder; standard tablet stamped "RPW 1934 3316", painted "USPBM 3316.3"

3316.528

Reference mark, 20 ft. W. of tablet, top of large boulder; chiseled square

3315.93

Spear, 1.8 mi. NW. of, 10 ft. NE. of N. side of Henson Creek Baptist Church, about midway between second and third windows, on rock; chiseled square, painted "USBM 3115.6"

3115.80

Spear, 0.6 mi. W. of, 130 ft. SE. of rd. fork N., 30 ft. SW. of rd., on highest point of NE. adge of rock; chiseled square, painted "USBM 2905.9"

2906.06

Spear, mouth of Henson Creek, projecting 0.02 ft. above surfaced rock ledge; standard plug with cross on top (former stem of standard tablet stamped "2840 ASH" (estimated 0.038 ft. lower than former tablet surface)

2839.573

Reference mark, on SE. corner of concrete abutment of bridge over Henson Creek; chiseled square

284**1.3**8 ^{*}

painted "USBM 4483.3"

A Grassy Ridge, 4.2 mi. NE. of Glen Ayre, 3.7 mi. W. of Valley
Post Office, 150 ft. NE. of rd. and trail intersection,
20 ft. W. of N.-S. fence line, in rock outcrop; standard
tablet stamped "GL 3 1934", painted "4852.5"

4852.961

rd., at N. edge of rd., top of rock; chiseled square,

Reference mark, 25 ft. SE. of tablet, in root on NW. side of small maple tree; copper nail and washer

Glen Ayre, 3.3 mi. NE. of, 50 ft. NE. of gate across

TOECANE QUADRANGLE

NORTH CAROLINA-TENNESSEE

by R.P. Willingham, 1934 Recopied: 6/18/54 jmr

S.L.D. of 1929

(Cont'd. P. 7)

FROM MAGNETIC CITY NORTHWEST ALONG ROAD TO IRON MOUNTAIN GAP (on N.C.-Tenn. Boundary)

			•
Buladean, 1.3 mi.	NW. of.	20 ft. W. of rd., on rock	
ledge; chiseled	square,	painted "USBM 2919.1"	2919.53

Buladean, 2.1 mi. NW. of, 30 ft. SW. of intersection of rd. forks, in fence corner, top of rock ledge; chiseled square, painted "USBM 3014.8"

3015.29

Buladean, 3.1 mi. NW. of, on NW. corner of N. end of concrete culvert over small drain; chiseled square, painted USBM 3264.4

Iron Mountain Gap, 4.3 mi. NW. of Buladean, 4.4 mi. SE. of Limestone Cove. 40 ft. SW. of rd., 10 ft. W. of a T-rd. S., on N.C.-Tenn. State line, top of concrete post; standard tablet stamped "RPW 11 1934 3723", painted "USPBM 3723.0"

3723.486

side of 14-in. apple tree; copper nail and washer 3718.22

FROM POINT 2.1 MILES NORTHEAST OF GLEN AYRE NORTHWEST ALONG ROAD TO CARVERS GAP (N.C.-Tenn. boundary)

Glen Ayre, 2.1 mi. NE. of, 130 ft. SE. of bridge over small stream, midway between residence and private garage, 40 ft. S. of rd., on NW. corner of large boulder; chiseled square, painted "USBM 3786.0"

Reference mark, 50 ft. NW. of tablet, in root on NE.

3786.758

Carvers Gap, 2.9 mi. S. of, 6 ft. W. of NW. corner of wooden bridge over small stream, on SW. corner of boulder; chiseled square, painted "USBM 4160.8"

4161.54

Carvers Gap, 1.7 mi. S. of, 30 ft. N. of rd., opposite 60 ft. "crossway", on highest point of second boulder from rd.; chiseled square, painted "USBM 4663.2"

4663.79

Carvers Gap, 0.5 mi. S. of, 30 ft. W. of rd., 220 ft. S. of logging trail W., 10 ft. NW. of lone beech tree at W. edge of rd., top of rock; chiseled square, painted "USBM 5227.6"

5228.24

Carvers Gap, 50 ft. NW. of rd. intersection, 40 ft. W. of rd. to Burbank, set in flat rock; standard tablet stamped "RPW 9 1934 5512" painted "USPBM 5512.0"

5512.555

Reference mark, 12 ft. N. of tablet, on N. corner of boulder; chiseled square

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ECAN	٠.	MORGANIE OHANDANGEE	NODMU CADOT TNA.	
. B5		TOECANE QUADRANGLE Bk. B5327 & B5321	NORTH CAROLINA	-TEMMEDOFF
R.F copi		by R.P. Willingham, 1934 &	S.L.D. OF	1929
CODI		R. W. Goebel, 1934		
ney		Recopied: $6/18/54$ jmr (Cont.d. P. 8)	: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Ayre	. :	THOSE GAPTITUDE BAR HITCH TO TO AN ATTITUTE TO THE		- \
5. t		FROM CARVERS GAP WEST TO ROAN HIGH KNOB (N.C. (double run spur in both State lists)	Tenn. Boundary	
wall		(doubte run bout in book brave risus)	A Maria Carlos	, . · (t)
squa		Carvers Gap, 1.1 mi. W. of, on rd. to Roan Hi	lgh Knob	Jan Bay ga
∍n A	P. C.	S10 ft. Sw. of trail intersection at point of	of sharp	
30 ; 1		curve in rd., on boulder; chiseled square,	ainted	6020 0) -
cop	2.5	USBM OUZ9.(") SALAMAN ARE THE WAR AND THE COLOR		0030.24
n ^O A	N - 172	Roan High Knob, set in top of Sunrige Rock; as	tandard	
uil		tablet stamped "Roan High Knob, RPW 12 1934	⊦ 6285" ,	•
n h		painted "USPBM 6285.0" (see description; of	triangulation	2-2-20
ain	74. ·	s (。 为增加,是代的Y。	6285.584
1		Reference mark, 20 ft. N. of tablet, on lower	nortion of	• • • • • •
n A	٠.	Sunrise Rock; square cut, finiadeep over, d		6283.04
op			' i ,	
RPW		FROM BANNER ELK QUADRANGLE NORTHWEST ALONG RO	ADS TO LITTLE	
- **	,	YELLOW GAP (by R. W. Goebel, 1934; Book B5321	·) so di como di	
ere	- 1	Frank, 0.9 mi. N. of post office, 22 ft. E. o	of City of	,
qua:	."	N.C. Highway 69, 18 ft. N. of Devils Race E		N
n A		\$16 ft. N. of NE. wing wall of hwy. bridge,	on large	4.1 3
0 f		boulder projecting 3 ft. above the ground;	standard	000# 000
ree		tablet stamped roll 1934:3097		3097.098
. A.		Reference mark, 400 ft. S. 10° W. of tablet,	on NE	17.7
n A; mal		head wall of concrete culvert; chiseled squ		3076.70
ara		appearing activities of courses	3 6 3597	-
oul		Frank, 0.9 mi. SW. of, 300 ft. W. of present	post office,	
	•	col.7 mi. NE. of Senia, on N. head wall of cu	Lyert;	א פט ונפרכ
A;		square cut, painted BM 3135.2"		3134.88
d., ain		Frank, 2.0 mi. S. of, 0.6 mi. NE. of Senia, 2	1 ft. E. of	er e
~411		centerline of N.C. Hwy. 69, on rock outcrop		
ssy		cut, painted "BM 3004.8"		3004.46
ost'		Gando 200 66 MII of comments have been been be	O 64 N -6	
0 f 1		Senia, 300 ft. NW. of concrete hwy. bridge, 4 N. bank of Roaring Creek, on white flint ro		
ble		square, painted "BM 2973.4"	OW'S CHTPGTER	2973.00
rei		The state of the s		
lde		Valley, 1.0 mi. SE. of, 1.1 mi. NW. of Senia,		
		of intersection of Fall Branch and Roaring		
		E. of E. bank of Fall Branch, on rock outer cut, painted "BM 3094.8"	op; square	3094.54
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NORTH CAROLINA-TENNESSEE

UNITED STATES DEPARTMENT OF THE IFTERIOR

GEOLOGICAL SURVEY

9	Bull. 646, pg.51 Third-order Leveling S.L.D. 1 Re. wied: 0/18/54 jmr FROM HUNTDALE EAST TO ROCK CREEK NEAR RED HILL	1 929 Film - 1925)
	Herrell. 1.7 mi. SW. of, 200 ft. S. of Widow Street's house, 25 ft. from right bank of Rock Creek, on top of boulder; chiseled circle	2293.67
	FROM RED HILL NORTH UP ROCK CREEK TO MAGNETIC CITY	
	Magnetic City, 0.35 mi. N. of, in side of boulder fronting rd.; aluminum tablet stamped (plug, formerly stem of) "2805 ASH"	2804.740
	FROM BAKERSVILLE EAST ALONG HIGHWAY TO SPEAR	
	Bakersville, 8.4 mi. E. of, 30 ft. E. of point where rd. crosses top of Cane Creek Mountain, in root of large chectnut tree; nail	4162.03
	Spear, mouth of Henson Creek, in rock ledge; standard tablet stamped (plug, formerly stem of) "2840 ASH"	2839.573
	FROM BULADBAN ALONG HIGHWAYS SOUTH TO RED HILL THENCE EAST BY WAY OF BAKERSVILLE TO SPEAR (by R. P. Willingham, 1934; Book B5327)	r (*) Silver (*) Silver
	Third order leveling; supplementary to second order levels by U.S.C. & G.S.)	rayariy Sening

Buladean (formerly Magnetic City), 0.35 mi. N. of, 275 ft. SW. of highway, at SW. edge of old rd., 150 ft. SW. of Spring Creek, in side of boulder fronting rd.; aluminum plug, formerly stem of tablet stamped "2805 ASH"

Reference mark, 50 ft. N: of plug, on large boulder; chiséled square

Buladean, 0.8 mi. S. of, 150 ft. N. of small drain crossing, 10 ft. SE. of rd., in root on N. side of 16-in. buckeye tree; copper nail and washer, painted "USBM 2718.4"

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2804.740

2804.09

2719.08

TOECANE QUADRANGLE

		EI0/	ations	
	Toecane quadrangle Bk. B5327	NORTH CAROLINA	-tennessee	
	by R.P. Willingham, 1934 Recopied: 6/18/54 jmr (Cont'd. P. 3)	S.L.D. of	1929	•
	Bakersville, 2.1 mi. W. of, 60 ft. 32. of from to deorge's Cash Store, on SW. concrete wing concrete bridge; chiseled square, painted "i	g wall of	2372.67	
	Bakeraville, 0.6 ml. W. of, 20 ft. Sg. of rd. NW. corner of SW. head Wall of concrete cul- square, painted "USBM 2429.3"	fork, on vert; chiseled	2429.68	
	Bakersville, about 100 ft. S. of street intercon NW. corner of N. concrete abutment of bracahe Creek; chiseled square, painted "USBM 200"	idge over	2459 .9 6	
	Bakersville, 275 ft. Sw. of school building, of SE, corner of school storage garage, in sof school grounds, top of concrete post; stamped "Magnetic Station 1931" (U.S.C. & G Station, no description was furnished for the	S. portion andard tablet .S. Magnetic	2000 200	
	this one written in field) Reference mark, 100 ft. NW. of tablet, on condat SE. corner of school storage garage	crete pillar	2490.986 2487.12	
	Bakersville, 0.9 mi. E. of, on NE. concrete at of iron bridge over came Creek; chiseled squ painted "USBM 2487,2"	uare.	2487.56	
	Bakersville, 1.9 mi. E. of, 80 ft. N. of cross SW. fork leading to mill atte, 40 ft. NW. of root on E. side of 14-in, locust tree; coppe and washer, painted "USEM 2529.6"	f rd in	2529.96	
	Bakersville, 2.9 mi. E. of, 60 ft. N. of NE. of Clarrissa Post Office, 35 ft. SE. of rd. int top of concrete post; standard tablet stampe "RFW 6 1934 2602", painted "PEM 2601.8"	tersection,	2602.111	
1	Reference mark, 110 ft. NW. of tablet, on cent ledge; chiseled square	ter of rock	2602.99	
-	Bakersville, 4.0 mi. E. of, 0.7 mi. W. of Hawk NW. edge of rd., on S. corner of sharp rock; square, painted "USBM 2709.9"	c, at; chiseled	2710.20	
	wk, 0.3 mi. NE. of, 80 ft. E. of Cane Creek thurch, 40 ft. SE. of rd., in root on SE. si arge twin poplar tree; copper nail and wash	lde of		
	USBM 2820.4"		2820.72	

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	CANE QUADRANGLE B5327	NORTH CAROLI	na -tenne ss e e
by	R.P. Willingham, 1934 opied: 6/18/54 jmr	(Cont'dx F. 2)	of 19 29
Bul p	adean, 2.0 mi. S. of, 6 f rivate garage, E. of rd., hiseled square, painted "	t. S. of SW. corner of on N. edge of boulder; USBM 2538.8"	2539.45
	adean, 3.3 mi. S. of, 130 reek, 100 ft. W. of T-rd. orner of bridge over Rock opp of concrete post; stan RFW 1 1934 2385", painted	ft. SE. of mouth of Hean fork, 15 ft. E. of NE. Creek, 10 ft. N. of T-rd., dard tablet stamped "USPEM 2384.5"	2 3 85.204
Refe	erence mark, 180 ft. S. o. boulder; chiseled square	f tablet, 30 ft. W. of rd.,	2386.00
SE CC	all stream, in root on Mopper nail and washer, par		2376.10
	or car's currented s	mi. S. of Honeycutt Post acrete abutment of iron bridge square, painted "USBM 2291.8"	2292.36
sţ	deam, 6.7 mi. S. of, 0.9 of intersection of old a arp curve in main rd., in andard tablet stamped "RR BM 2510.4"	mi. N. of Red Hill, 80 ft. field rd. NE, at point of a top of large boulder; W 2 1934 2510", painted	2510.926
. 01	o-in. beech tree; copper		2506.72
	Hill, O.3 mi. SE. of, 270 idge over small stream at of rd., on NE. part of r inted "USBM 2420.5"	Oft. N. of SW. end of entrance to barnyard, 30 ft. ock outcrop; chiseled square,	2421 .01 6
40	Hill, 1.6 mi. SE. of, 4.3 5 ml. NW. of rd. to Bulad ft. SW. of rd., top and ige; chiseled square, pai	ean and rd, to Toecane,	2445.69
Baker bri end		70 ft. SE. of concrete ft. SE. of rd. fork, E. nerete post; standard tablet painted "PBM 2327.4"	2327.651
1150 +	ence mark, 180 ft. NW. or concrete abutment of bri seled square	f tablet, on N. corner of idge over Cane Creek;	2327.52

	TUECANE QUADRANGLE	NORTH CAROLINA	ENNESSEE
2"	Ek: B5327 by R.P. Willingham, 1934 Recopied: 5/18/54 Jmr (Cont. P. 4)	. S.L.D. of 1	929
	Hawk, 1.5 ml. NE. of, 90 ft. SE. of inters T-rd. S., 40 ft. NE. of T-rd., top of an of large boulder; standard tablet stampe "NFW 7 1934 3115", painted "USPEM 3114.8	d about center	3115.09 0
	Reference mark, 50 ft. N. of tablet, on SE ledge; chiseled square	. edge of rock	ž113.57
	Hawk, 3.0 mi. NE. of, at E. edge of rd., of of rock outcrop; chiseled square, painte		3752 .66
	Hawk, 4.0 mi. NE. of, 5.9 mi. NW. of Spear of point where rd. crosses top of Cane C near center of rock ledge; chiseled squa "USBM 4159.7"	reek Mtn.,	4159.96
	Spear, 3.6 ml. NW. of, on rd. over cane Cr N. edge of gate, W. edge of rd., on NE. p boulder; chiseled square, painted "USBM	art of rock	3616.39
	Spear, 2.8 ml. NW. of, 2.8 ml. NW. of mout Creek, on SW. side of rd., set in top of standard tablet stamped "RPW 1934 3316", "USPBM 3316.3"	large boulder;	3316.528
	Reference mark, 20 ft. W. of tablet, top o boulder; chiseled square	f large	33 15.93
	Spear, 1.8 mi. Nw. of, 10 ft. NB. of N. si Creek Baptist Church, about midway betwe third windows, on rock; chiseled square, "USBM 3115.6"	en second and painted	3115.80
	Spear, 0.6 mi. W. of, 130 ft. SE. of rd. f SW. of rd., on highest point of NE. edge chiseled square, painted "USBM 2905.9"	of rock;	2906.06
	Spear, mouth of Henson Creek, projecting O surfaced rock ledge; standard plug with (former stem of standard tablet stamped (estimated 0.038 ft. lower than former t	cross on top	2839.573

Reference mark, on SE. corner of concrete abutment of bridge over Henson Creek; chiseled square

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TOECANE QUADRANGLE Bk. 85327 By R.P. Willingham, 1954 Recopied: 6/18/54 jur (0	NORTH CAROLINA S.L.D. of Cont.d. P. 5)	v 20	TOBCANE QUADRANGLE BK. B5327 by R.P. Willingham, 1934 Recopied: 6/18/54 jmr (Cont'd. P	NORTH CAROLINA-TENNESSEE 3.L.D. of 1929
) NORTHEAST ALONG ROAD INTO TENNI	ESSEE	Piney Branch School, 1.0 mi. E. of, 2 Ayre, 60 ft. S. and 10 ft. E. of in	8 ml. SW. of Glen
Distance 0.7 mt NR of 70	ft. N. and 20 ft. W. of Y-rd.	2868.88	S. to Bakersville, on NE. corner of wall of iron bridge over Little Rock square, painted "USBM 2917.4"	Ng. concrete wing k Creek; hiseled 2918.01
Buladean, 1.5 mi. NE. of, 30 60 ft. W. and 20 ft. N. of rd., on highest point of be painted "USBM 2980.3"	ft. NE. of stream crossing, y-rd. forks, 10 ft. N. of	2980.96	Glen Ayre, 1.7 mi. SW. of, 55 ft. SE. 30 ft. S. of rd., in NN. portion of top of boulder; chiseled square, of	inted "USBM 3048.3" 3048.95
Buladean, 2.5 mi. NE. of, 1. 70 ft. NE. of intersection	rt. N. of rd. top of boulders		Glen Ayre School, 110 ft. SE. of SE. building, 60 ft. N. of rd., in SE on highest point of large boulder; painted "USEM 3170.2"	corner of school ground, chiseled square,
standard tablet stamped "R" USPBM 3204.4" Reference mark, 75 ft. E. an	d 10 ft. S. of tablet, on	3205.061 3204.80	Glen Ayre, 75 ft. S. of rd. intersect front entrance of Little Rock Creek top of concrete post; standard tabl "RPW 5 1934 3175", painted "USPBM 3	et stamped
top of boulder; chiseled s	quare	3204.00	Reference mark, 60 ft. NW. of tablet,	on boulder; chiseled
Buladean, 4.2 mi. NE. of, 17 crosses Hughes Gap, at N. side of buckeye tree; copp "USEM 4039.8"	5 ft. E. of point where rd. edge of rd., in root on S. er nail and washer, painted	4040.47	glen Ayre, 0.9 mi. NE. of, 25 ft. NW. 10 ft. NW. of rd in root on SE. s	of Rock Creek, 1000 1102.17
FROM POINT 4 MILES SOUTH OF	BULADEAN NORTHEAST ALONG HIGHWAY	na. Vije	tree; copper nail and washer, paint	ed "USBM 3353.4" 3394.20
	ft. NW. of intersection of 1., 80 ft. N. of bridge over	2376.10	Glen Ayre, 2.1 mi. ME. of, 130 ft. SE small stream, midway between reside garage, 40 ft. S. of rd., on NW. co boulder; chiseled square, painted "	nce and private rner of large
tree; copper nail and wash Glen Ayre, 6.6 mi. W. of, 5.	O'mi. S. and E. of Buladean, on NE. side of So of double	- 2510.10 - 2510.10 - 3110	Glen Ayre, 3.3 mi. NE. of, 50 ft. NE. rd., at N. edge of rd., top of rock painted "USBM" 4483.3"	of gate across; chiseled square, 4487.36
"USBM 2586.6"	and washer, painted W. of, 6.3 ml. S. and E. of	2587.18	Grassy Ridge, 4.2 mi. NE, of Clen Ayr Post Office, 150 ft. NE. of rd. and 20 ft. W. of NS. fence line, in r tablet stamped "GL 3 1934", painted	trail intersection, /
Buladean, 10 ft. N. of sec	ond-class rd. N., 100 It. W.	2731.53	Reference mark, 25 ft. SE. of tablet, side of small maple tree; copper na	in root on NW. 11 and washer 4851.86
school building. 30 ft. N	. S. and directly in front of . of rd., in concrete post; RPW 4 1934 2805", painted	2609 .310	the record of the record of the district of the second of	Min Win Bermin (Min January)
Reference mark, 30 ft. W. of 30-in. oak tree; copper	f tablet, in root on S. side r nail and washer	2806.96		
			1	
Kanada da				and the second of the second o
TOECANE QUADRANGLE Bk. B5327 by R.P. Willingham, 1934	NORTH CAROLÎNA S.L.D. ôf (Cont'd. F. 7)	6 23	TOECANE QUADRANGLE BK. B5327 & B5321 by R.P. Willingham, 1934 & R. W. Goebel, 1934	NORTH CAROLINA-TENNESSEE S.L.D. of 1929
Mccoproc//-	T ALONG ROAD TO IRON MOUNTAIN GA	P	Recopied: 6/18/54 jmr (Cont'd.) FROM CARVERS GAP WEST TO ROAN HIGH KI (double run spur in both State lists	NOB (N.CTenn. Boundary)
رة طبيسيني فيانا	oft. W. of rd., on rock	2919.53	Carvers Gap, 1.1 ml. W. of, on rd. to	Approximation of the second control of the s
Buladean, 2.1 mi. NW. of, 3	Oft. Sw. of intersection	3015.29	10 ft. Sw. of trail intersection at curve in rd., on boulder; chiseled "USBM 6029.7"	t point of sharp
Buladean, 3.1 mi. NW. of, o concrete culvert over sma	USBM JOI 1.0	3264.85	Roan High Knob, set in top of Sunrise tablet stamped "Roan High Knob, RPI painted "USPEM 6285.0" (see descrip sta. 1934)	e Rock; standard v 12 1934 6285", otion of triangulation 6285.584
painted USBM 3264.4	NW. of Buladean, 4.4 mi. SE.		Reference mark, 20 ft. N. of tablet,	
a T-rd. S., on N.CTenn. bost: standard tablet sta	State line, top of concrete	3723.486	Sunrise Rock; square cut, & in. dec FROM BANNER ELK QUADRANGLE NORTHWEST YELLOW GAP (by R. W. Goebel, 1934; Bo	ALONG ROADS TO LITTLE
painted "USPBM 3723.0" Reference mark, 50 ft. NW: side of 14-in. apple tree	of tablet, in root on NE:	3718.22	Frank, 0.9 mi. N. of post office, 22 N.C. Highway 69, 18 ft. N. of Devil 16 ft. N. of NE. wing wall of hwy.	is Race Branch,
	CAST OF GLEN AYRE NORTHWEST ALONG	. 194	boulder projecting 3 ft. above the tablet stamped "GL 1 1934 3097"	ground; standard 3097.098
Gleh Ayre, 2.1 mi. NE. of,	130 ft. SE. of bridge over	eren eren eren eren eren eren eren eren	Reference mark, 400 ft. S. 10° W. of head wall of concrete culvert; chis	
boulder; chiseled aquare	painted "USBM 3786.0"	3786.758	Frank, 0.9 mi. SW. of, 300 ft. W. of 1.7 mi. NE. of Senia, on N. head we square cut, painted "BM 3135.2"	ill of culvert;
boulder; chiseled square	, painted "USBM 4160.8"	4161.54	Frank, 2.0 mi. S. of, 0.6 mi. NZ. of centerline of N.C. Rwy. 69, on rock cut, painted "BM 3004.8"	Senia, 21 ft. E. of conturop; square 3004.46
from rd.; chiseled square	, 30 ft. N. of rd., opposite ghest point of second boulder e, painted "USBM 4663.2"	4663.79	Senia, 300 ft. Nw. of concrete hwy. t N. bank of Roaring Creek, on white square, painted "BM 2973.4"	
W. edge of rd., top of r "USBM 5227.6"	, 30 ft. W. of rd., 220 ft. S. ft. NW. of lone beech tree at ock; chiseled square, painted	5228.24	Valley, 1.0 mi. SE. of, 1.1 mi. NW. of intersection of Fall Branch and E. of E. bank of Fall Branch, on re	of Senia, 115 ft. N. Roaring Creek, 20 ft. ook outcress square
Carvers Gap, 50 ft. NW. of rd. to Burbank, set in f "RPW 9 1934 5512" painte	rd. intersection, 40 ft. W. of lat rock; standard tablet stampe d "USPBM 5512.0"	d 5512.555	cut, painted "BM 3094.8"	3094.54

5511.88

Reference mark, 12 ft. N. of tablet, on N. corner of boulder; chiseled square

	TOECANE QUADRANGLE Bk. B5321	NORTH CAROLINA-	-tennessee	TOECANE QUADRANGLE NORT	TH CAROLINA-T	ENNESSEE
	by R.W. Goebel, 1934 Recopied: 6/18/54 jmr (Cont'd. P. 9)	S.L.D. of 1	1929	Bk. B5321 & B5307 by R. W. Goebel, 1934 L.A. Easterly, 1934 Recopied: 6/28/54 mm (Cont'd. P. 10)	S.L.D. of 1	.329
	Valley, 350 ft. SE. of rd. intersection, 250 intersection of Jerry Creek and Roaring Cr E. of Ne. corner of Baptist Church, in roc standard tablet stamped "QL 2 1934"	eek, 14ft.	3281.949	FROM SENIA SOUTH TO SPEAR		
	Reference mark, 125 ft. N. 50° W. of tablet, of SW. corner of Baptist Church, on S. ban Creek; square cut		3286.04	Senia, 0.5 mi. S. of, 2.7 mi. NE. of Plumtree, 3 W. of rd. intersection, on N. end of W. abutme coherete highway bridge over Toe River; stande stamped "GL 4 1934 2947"	ent of ord table:	2946.981
	Valley, 1.0 mi. N. of, 20 ft. N. of rd. inte on E. edge of rd., on boulder; square cut, "BM 3680.4"		3680 .3 8	Senia, 1.6 mi. S. of, 1.7 mi. N. of Flumtree; 20 of E. edge of rd., on rock outerop; square out painted "BM 2926.7") ft. E.	29 26.3 8
	Valley, 2.0 mi. N. of, 115 ft. W. of stream 50 ft. N. of N. edge of rd.; square out, p "BM 4024.6"		4024.73	Plumtree, 0.6 mi. N. of, 2.6 mi. S. of Senia, 5 E. edge of N.C. Hwy. 69, on rock ledge; square painted "EM 2885.4"	ft. E. of cut,	2679.66
n.,,	Little Yellow Gap (N.C. Tenn. Boundary), 3.5 Valley Post Office, 6.6 mi. S. of Roan Mou 300 ft. W. of property corner and gate, 20	ntain, Tenn.		Flumtree, 0.5 mi. S. of, 0.8 mi. Ng. of pear, chead wall of Hwy. 69 culvert; square cut, pain "BM 2856.7"	n NW.	2856 . ჭ6
	fence, on rock outcrop; standard tablet stands 5 1934 4681", painted "USBM 4680.6"		4681.500	FROM SPEAR SOUTH ALONG ROAD INTO SEVENMILE RIDGE (by L. A. Easterly, Jr., 1934; Book B5307)	QUADRANGLE	i **** .
	Reference mark, 595 ft. SE. of tablet, 20 ft edge of trail, on boulder; square cut		4678.17	Spear, 1.0 mi. S. of, W. of N. Toe River, 350 ft brown house, in E. head wall of drain pipe, un hwy.; chiseled cross, painted "BM 2846.6"	. N. of	2847.14
	FROM POINT NEAR VALLEY SOUTHWEST ALONG ROAD	TO GRASSY GAP			<u> </u>	2011.21
	Valley, 0.7 mi. W. of post office, 140 ft. No corner of barn, 25 ft. SE. of center of rd			FROM BAKERSVILLE SOUTHEAST ALONG ROAD INTO SEVEN QUADRANGLE (double run line)	MILE RIDGE	
	square cut. painted "BM 3724.1"		3724.12	Bakersville, 225 ft. Sw. of school building, in of school ground, 110 ft. SE. of school storag	S. portion	
	Valley, 2.7 mi. Nw. of, 60 ft. w. of rd. inttop of Molley's Gap. in root of 6-in. buck nail and washer, painted "BM 4306.7"		4306.96	in concrete post; standard tablet stamped "193 (U.S.C. & G.S. Magnetic Station)	1"	2490.986
	Grassy Gap, 2 mi. E. of, in trunk of 12-in. on E. side of rd.; copper nail and washer	beech tree,	4712.51	Reference mark, 100 ft. Nw. of tablet, in concre of SE. corner of storage garage; chiseled squa	te pillar re	2487.12
ž	Grassy dap, 3.7 mi. W. of Valley Post Office of rd. and trail intersection, 20 ft. W. of	f N. and S.		Bakersville, 0.5 ml. S. and 1.0 ml. E. of, on SW of rd., 25 ft. SW. of white Oak Greek, across in front of M. A. Wilson's residence, on rock	rd.	
(fence, in rock outcrop; standard tablet sta "OL 3 1934"	amped	4852.961	chiseled square with crossin center, painted w painted "BM 2539.4"	hite,	2539.77

en grant de la companya de la compa		TOECANE QUADRANGLE NORTH CAROLIF	ia – Tennéssee
TOECANE QUADRANGLE NORTH CAROLINA-	TENNÉSSEE	Bk. B5313 J.P. Fish & R. P. S.L.D. C	of 1929
Bk. B5307 by L. A. Easterly, 1934 Recopied: 6/18/54 jmr (cont.d. F. 11)	1929	Willingham, 1934 Recopied: 6/18/54 jmr (Cont'd. P. 12)	
FROM SEVENMILE RIDGE QUADRANGLE NORTH ALONG ROAD TO RED HILL	· · · · · · · · · · · · · · · · · · ·	Supplementary to 1st and 2nd order leveling by USC&GS and bulletin 441 corrected	
Deyton Bend School, 0.2 mi. NE. of, where Brush Creek empties into Toe River on N. pier of bridge over Brush Creek, in E. end of pier; chiseled square with cross in center, painted "USBM 2166.2"	2168.87	FROM NEAR SHELL CREEK ALONG ROAD NORTHEAST AND NORTHWEST ODEMVILLE (double run line by J.P. Fish and R.P. Willingt 1934)	18m,
Forbes, O.2 mi. E. of, on concrete highway bridge over Toe River, 29 ft. S. of center of bridge, in W. curb; chiseled square, painted white, painted "EM 2185.7"	2188.42	Shell Creek, 0.5 mi. W. by rail of, 478 yds. W. of milepe 27, 40 ft. N. of W. end of Eastern Tennessee and Wester North Carolina Railroad bridge over Wilson Creak, 6 ft below base of rail, in top of rock in side of mountain, standard tablet stamped "2626 ASH"	rn •
Red Hill (Forbes, 1.0 mi. NE. of), 120 ft. NW. of junction of N.C. Highway 19 and 197. 15 ft. W. of W. bank of Red Hill Branch, in rock outerop; standard tablet stamped "E 11 1934"	2369.489	Shell Creek, 1.0 mi. N. of, 13 ft. W. of center of Walnut Mountain Road, on rock outcrop, in side cut, chiseled square	2924.01
Reference mark, 105 ft. S. 10° W. of tablet, 13 ft. W. of center line of N.C. Hwy. 197, on rock ledge; chiseled square	2367.46	Shell Creek, 2.0 mi. NE. of, 116 ft. SE. of T-rd., running N., in NW. root of 20-in. chestnut tree; copper nail and washer	3470 .3 0
Red Hill, 0.3 mi. SE. of, 27 ft. N. of SW. end of bridge over small stream at entrance to barnyard, 30 ft. S. of rd., on NE. part of rock outcrop; chiseled square, painted "USBM 2420.5"	2421.016	Shell Creek, 3.0 mi. NE. of, 110 ft. S. of old cross-roads, 38 ft. W. of center of old rd. S., 3.5 ft. NW. of 12-in: chestnut tree painted "USEM 3439" set in top of small boulder; standard tablet stamped "3439 FH 1 1934"	3438.955
NEAR SHELL CREEK, NORTHWEST ALONG EAST TENNESSEE AND WESTERN NORTH CAROLINA RAILROAD TO JOHNSON CITY (Buil. 441, pg. 119) Elkpark, N.C., 2.46 mi. NW. of, at SE. end of railroad trestle; on coping	1912 ADJ. 2961.57	Shell Creek, 4.1 mi. NE. of, 140 ft. SE. of intersection of Hardin Jones Road N. to Walnut Mountain Road, in NW. root of 36-in. chestnut tree; copper nail and washer	3+32 . 96
Shell Creek, 0.5 mi. W. of, 40 ft. N. of W. end of rail- road bridge over Wilson Creek, in ledge of rock; standard tablet stamped "2626 ASH"	2624.349	Shell Creek, 6.4 mi. NE. of, 19 ft. SW. of center of Walnut Mountain Road, in rock outcrop; standard tablet stamped "3659 FH 2 1934"	3659.132
Roan Mountain, 0.2 mi. W. of, 60 ft. N. of railway, near white oak tree, in rock ledge; standard tablet stamped "2565 Ask"	2563.473	Reference mark, 240 ft. NW. of tablet, 18 ft. N. of cent of rd., on rock outcrop; chiseled square	er 3650.41
	1 v	Shell Creek, 7.5 mi. NE. of, 16 ft. E. of center of Waln Mountain Road, 32 ft. NE. of bronne disk stamped "U.S Dept of Agriculture Forest Service 22 1925", in NW. ro of 14-in. white oak tree; copper nail and washer	
		Shell Creek, 8.6 mi. N. of, 100 ft. NE. of corner post of Forest Service marked "Cor 71 & 7 CHS". 11 ft. N. of center of rd., on rock outcrop; chiseled square	f 3529.47

TOECANE QUADRANGLE		NORTH CAROLINA-TE	NNESSEE
Bk. B5313 By J. P. Wish &		S.L.D. of 19	150
R. P. Willingham, 1934 Recopied: 6/18/54 jmm			
Reference mark, 40 ft. S in NW. root of 10-in.	apple tree; copper:	1811 and wabiter	3503.28
Odem ille, 200 ft. NE. o 17 ft. W. of center of of concrete post proje tablet stamped "3506 F	wainut Mountain Roc ating 4 in. above as	cound: standard	3506.497
Odemville, 1.0 ml. NW. o intersection on top of chestnut tree; copper	nail and washer		3544.09
FROM ODEMVILLE NORTHWEST (by J. P. Pish, 1934) No	ALONG TRAIL INTO Elete: an error of .826	LIZABETHTON QUADRA 5' has been prorat	NOLE ced in
10 miles. Odemvillé, l.l mi. NW. o of old railroad grade, tree; copper nail and	washer	n. Hemilook	3259.48
Odemville, 2.0 mi. NW. of Laurel Fork, on rec	ow outerob! barned	TTREE POTITO	3176.71
of Laurel Fork, 7 ft. grade on rock outcrop;	painted circle	d Pallioad	3131.10
Odemville, 3.8 mi. NW. of stream, 10 ft. E. of couterop; standard table	let stamped "2978 FH	7 1934"	2977.992
Hampton, 8.5 mi. SE. of of old railroad grade,	, on rock outerop; c	ittsered admare	2841.04
Hampton, 7.5 mi. SE. of of Laurel Fork, in tra square	by trail, 20 ft. NW ail, on rock outcrop	. of center ; chiseled	2805.86
FROM ROAN MOUNTAIN ALONG ELIZABETHTON QUADRANGLE Willingham, 1934; Book 1	B5321)	R. W. doesez and	INTO R.P.
Roan Mountain, 0.2 mi. Wilepost 25, 858 ft. 1	nw. of hoan mountain	top of rail,	
in rock ledge, in side stamped "2565 ASH" (Bu (USC&GS tie)	e or mountain; stand ull. 441,pg. 119 Ele	v.2563.473)	2564.283

	TOECANE QUADRANGLE Bk. B5321 by R.W. Goebel and R.P. Willingham, 1934 Recopied: 6/18/54 jar (Contd. P. 14)	NORTH CAROLINA	19 1
	Roan Mountain, 1.0 mi. W. of Roan Mountain I. NW. of intersection of Awy. U.S. 198. and 120 ft. N. of N. rail of concrete bridge, leuge; chiseled square	raliway.	2535 .3 3
	Crabtrae, 60 ft. S. of rd. intersection, 15 center line of Backswoods Road, on rock ou chiseled square	ft. E. of icrop;	2513.14
V	Crabtree, 0.8 mi. S. of, 55 ft. S. of rd. in 20 ft. W. of W. bank of George Creek, on restandard tablet stamped "GL 1 1934 2690"	tersestion, sek cuterop;	2689.586
11	Crabtree, 1.3 mi. SW. of, 50 ft. E. of ri. 1 8 ft. N. of N. edge of rd., on boulder; sq	ntersection, ware out	2995.00
	Crabtree, 1.8 mi. SW. of, 35 ft. E. of rd. i 8 ft. N. of center line of rd., on rock le cut	ntersection, dge; square	3273.04
	Crabtree, 2.6 mi. SW. of, 2.8 mi. NE. of Bac on top of gap,18 ft. S. of center of rd., of rd. intersection, in root of a four tru copper nail and washer	30 rt. W.	3644.61
	Backwoods, 1.7 m1. NE. of, 150 ft. W. of sma and rd. intersection, 200 ft. W. of mills Arnett, on rock outcrop; standard tablet s "GL 2 1934 3520"	cr T. A.	3519.903
	Reference mark, 0.1 mi. N. of tablet, 75 ft. intersection, 30 ft. NW. of N. edge of rd. square cut	W. of rd., on boulder;	3522.89
	Backwoods, 0.6 mi. NE. of, 45 ft. N. of NW. Backwoods School, 50 ft. S. of S. edge of 24-in. white pine; copper nail and washer	corner of rd., on	3542.54
	Backwoods, 200 ft. W. of residence of Capt. in root of 10-in. maple tree; copper nail	Nelson, and washer	3562.37
	Backwoods, 0.8 mi. S. of, 465 ftv 8. of gap, of E. edge of rd., on rock ledge; square c	8 ft. Z.	3653.25

2021.22

1944.77

2564.283

2608.24

2754.87

2818.44

2873.922

3058.39

3567.16

4040.47

	TUECANE QUADRANGLE	NORTH CAROLINA-T	ennessee	TOECANE QUADRANGLE	NORTH CAROLINA-TEN	inessee
	Bk. B5321 by R.W. Goebel and R.P. Willingham, 1934 Recopied: 6/18/54 Jmr (Contd. P. 15)	S.L.D. of 19	29	Bk. B5313 and B5321 by R.W. Goebel and R.P. Willingham, 1934 Recopied: 6/18/54 jmr (Contid.	S.L.D. of 1929 P. 16)	
	Backwoods, 1.5 mi. W. of, 75 ft. SE. of rd. 22 ft. S. of S. edge of rd., on concrete p 6 in. above ground; standard tablet stampe 3332	post projecting	W. of C.L.	Hampton, 4.6 mi. S. of, 7.6 mi. Nw W. of C.L. of U.S. Hwy. 19E, at i and Limestone Cove Road, on rock	intersection of hwy.	2021.22
	Reference mark, N. 40° E. 155 ft., 110 ft. I of rd., 25 ft. S. of S. bank of Tiger Cree square cut	N. of N. edge ek, on boulder;	3325.63	Hampton, 3.5 mi. S. of, 13 ft. E. of U.S. Hwy. 19E, 30 ft. E. of E. be at rd. intersection and bridge, o cut	ank of Tiger Creek,	1944.77
	Backwoods, 2.6 mi. W. of, 10 ft. N. of N. ed on rock ledge; square cut	dge of rd.,	3097.21	FROM ROAN MOUNTAIN SOUTH ALONG ROAI (N.CTENN. STATE LINE)) TO LITTLE YELLOW CAP	
	Backwoods, 3.4 mi. W. of, 150 ft. NE. of br. E. of E. edge of rd., on W. bank of Tiger rock outcrop; squarecut	idge, 50 ft. Creek, on	<u> 2872.5</u> 6	Roan Mountain, 858 ft. NW. of Roan standard tablet stamped "2565 ASE		2564.28
	Backwoods, 4.0 mi. NW. of, 0.3 mi. S. of Ti School, 10 ft. E. of E. edge of rd., on 1 square cut Backwoods, 4.5 mi. NW. of, 115 ft. NE. of N Tiger Creek School, 20 ft. E. of E. edge large rock outcrop; standard tablet stamp "GL 4 1934 2638"	ger Creek		Roan Mountain, 0.9 mi. S. of, 18 ft of rd., on rock outcrop; square of		2608.24
			2722.02	Roan Mountain, 1.9 mi. \$. of, 12 ft of rd., on rock ledge; square cut		2754.87
		of rd., on	2637.708	Roan Mountain, 2.8 mi. S. of, 33 ft of wooden bridge over Hampton Cre on N. bank of creek; square cut	NE. of SE. abutment sek, on rock ledge,	2818.44
	Backwoods, 5.4 mi. Nw. of, 310 ft. NE. of re 45 ft. E. of E. edge of rd., on boulder;	square cut	2534.94	Roan Mountain, 3.2 mi. S. of, 75 ft section, 20 ft. E. of center line of W. bank of Hampton Creek, on x	of rd., 30 ft. W.	
	Backwoods, 6.3 mi. NW. of, 300 ft. SW. of of Tiger Creek and Shields Rmanch, 100 fedge of rd., on W. bank of Tiger Creek, square cut	. W. of W.	* *	tablet stamped "GL 7 1934 2874"	700 ft 0 of md	2873.92
			2281.98	Roan Mountain, 4.2 mi. S. of, about intersection, 30 ft. E. of center boulder; square out		3058.39
	Backwoods, 6.9 mi. NW. of, 130 ft. SE. of inte of Tiger Creek and Gouge Branch, 100 ft. W. section of Tiger Creek Road (Backwood Road) Highway 19E, on rock outcrop; standard table stamped "RL 5 1934 2143"	W. of inter- d) and U.S.		Roan Mountain, 5.0 mi. S. of, 80 ft of trail, on rock outcrop; square		3567.16
			2142.650	FROM HUGHES GAP (N.C. & TENN. STATE (by R. P. Willingham, 1934; Book B		
	Reference mark, 140 ft. N. 30° W. of tablet center line of U.S. Hwy. 19E, 4 ft. below rd., at intersection of Tiger Creek and G on large boulder; square cut	surface of	2129.74	Buladean, 4.2 mi. NE. of, 175 ft. E rd. crosses Hughes Gap, at N. edg of buckeye tree; copper nail and	ge of rd., in S. root	4040.47
				Burbank, 2.1 mi. W. of, 1.1 mi. E. SW. of rd., at point of sharp cur tree; copper nail and washer		3479.81

TOECANE QUADRANGLE	NORTH CAROLINA-	rennessee	and the second s		
Bk. B5327 by R.P. Willingham, 1934	S.L.D. of 1 (Cont'd. P. 17)	929	Bk. B5327 by R. P. Willingham, 1934	S.L.D. of	
Burbank, 0.8 ml. W. of. at	E. end of gate of W. entrance 10 ft. S. of center of rd., der; chiseled square	3161.43	Recopied: 6/18/54 jmr (Cont'd. P. 18) Carvers Gap, 50 ft. NW. of rd. intersection, of rd. to Burbank, set in flat rock; standard stamped "RFW 9 1934 5512"		5512 .555
SE. of E. end of bridge	tersection of T-rd. W., 20 ft. over Doe River, 20 ft. E. of , in concrete post; standard 34 2984"	2984.407	Carvers dap, 1.3 mi. N. of, 4.6 mi. S. of Bur 30 ft: S. of intersection of rds. at sawmil W. of small stream crossing, on boulder; ch	11, 10 ft.	4912.68
Reference mark, 210 ft. Nw NW. of bridge, 60 ft. W. large boulder, in fence	of rd. intersection, 120 ft. of w. bank of Doe River, on line; square cut	2985.90	Carvers gap, 2.4 mi. N. of, 3.5 mi. S. of Pur E. edge of rd., on SW. point of boulder, in of rock outcrop; chiseled square	rbank, at n lower part	4478.46
FROM BURBANK NORTHEAST ALC (double run line by Goebel	ng ROAD TO ROAN MOUNTAIN and Willingham, 1934)		Burbank, 2.3 mi. S. of, 0.4 mi. S. of Toll Ge of rd., on E. corner of rock ledge; chisele	ate, 20 ft. E. ed square	3889.06
Burbank, 0.9 mi. N. of, 5. 45 ft. E. of center line rock outcrop; square cut	O mi. SW. of Roan Mountain, of Cloudland Highway, on	2933.46	Burbank, 1.8 mi. S. of, 220 ft. S. of Toll Gardoudland Scenic Highway, 15 ft. S. of rd of small drain, on E. part of large boulder tablet stamped "RPW 3 1934 3665"	., at edge	3665.475
Burbank, 1.8 mi. N. of, 19 100 ft. W. of center lin above surface of rd., or	00 ft. SW. of rd. intersection, se of Cloudland Highway, 7 ft. h boulder; square cut	2813.39	Reference mark, 50 ft. W. of tablet, at S. econ highest point of boulder; chiseled square		3669 .3 7
section, 75 ft. N. of ce	of, 800 ft. NW. of rd. inter- inter line and 7 ft. above thway, on rock ledge; standard 4 2736"	2736.119	Burbank, 0.9 mi. S. of, 20 ft. Sg. of interse private rd. E., 10 ft. E. of rd., on boulde square	er; chiseled	3252. 3 0
Reference mark, 60 ft. E.	of tablet, 60 ft. N. of center	andle the	FROM IRON MOUNTAIN GAP NORTHWEST ALONG ROAD		ANGLE
Roan fountain, 2.0 mi. S. of Cloudland Highway and	of, 115 ft. N. of intersection a Smith Branch Road, 22 ft. W.	2734.13	timestone Cove, 2.0 mi. SE. of, 70 ft. SE. of section of old rd., 10 ft. W. of Birchlog (E: of row of mail boxes, on boulder; chise painted "USBM 2641.3"	Creck, 50 ft.	2641.63
surface of rd.; square of roan Mountain. 0.2 ml. W.	on rook ledge; 4.5 ft. above out of station, 600 yards E. of . NW. of Roan Mountain Inn,	2645.45	from Mountain Gap, 4.3 mi. NW. of Buladean, of Limestone Cove, 40 ft. SW. of rd., 10 ft. T-rd. S., on NCTenn. State Line, in constandard tablet stamped "RFW 11 1934 3723"	t. W. of a	3723.486
75 ft. N. of center line	of railroad, 1 it. above top in side of mountain; standard	2564.283	Reference mark, 50 ft. NW. of tablet, in NB. 14-in. apple tree; copper nail and washer	root of	3718.22
FROM CARVERS GAP (N.CTE BURBANK (by R. P. Willing	NN. STATE LINÊ) NORTH ALONG RÖAD TO ham, 1934))	Limestone Cove, 3.0 mi. SE. of, 40 ft. S. of stream crossing, 80 ft. W. of cabin, 30 ft on boulder; chiseled circle	small . SE. of rd.,	3066.69
Reference mark, 12 ft. N. boulder; chiseled square	of tablet, on N. corner of	5511.88			

TOECANE QUADRANGLE Bk. B5327 by R.F. Willingham, 1934 Recopied: 6/18/54 jmr NORTH CAROLINA-TENNESSEE S.L.D. of 1929 (Cont'd. P. 19) FROM ERWIN QUADRANGLE NORTHEAST ALONG ROAD INTO ELIZABETHTON Limestone Cove, 1.2 mi. NE: of, 80 ft. NW. of inter-section of T-rd. NW., at SW. edge of T-rd., on top of boulder; chiseled square 2428.09 Limestone Cove, 2.6 mi. NE. of, 3.8 mi. S. of Simley Store, 30 ft. NW. of intersection of T-rd. W., 20 ft. W. of rd., in concrete post; standard tablet stamped "RPW 2 1934 2474" 2474.510 Reference mark, 75 ft. E. of tablet, on top of boulder; chiseled square 2475.77 Limestone Cove, 3.6 mi. NE. of, 2.8 mi. S. of Simley Store, 180 ft. S. of stream crossing, 40 ft. SE. of rd., on SE. point of boulder; chiseled square 2394.26 Limestone Cove, 4.5 mi. N. of, 1.7 mi. S. of Simley Store, 30ft. NE. of rd., on boulder; chiseled square 2183.72 Limestone Cove, 5.5 mi. N. of, 0.7 mi. S. of Simley Store, at S. edge of rd., on NE. portion of large boulder; chiseled square 2072.83 Simley Store, 0.7 mi. S. of, 30 ft. S. of rd, in top of boulder; U.S. Forest Service tablet stamped "243 1933" 2071.39 FROM CARVERS GAP TO ROAN HIGH KNOW ALONG N.C.-TENN. BOUNDARY (double run spur in both state lists) Carvers Cap, 50 ft. Nw. of rd. intersection, 40 ft. W. of rd. N. to Burbank, set in flat rock; standard tablet stamped "RPW 9 1934 5512" 5512.555 Reference mark, 12 ft. N. of tablet, on N. corner of boulder; chiseled square 5511.88 Carvers dap, 1.1 mi. W. of, on rd. to Roan High Knob, 10 ft. SW. of trail intersection at point of sharp curve in rd., oh boulder; chiseled square 6030.24 Roan High Knob, set in top of Sunrise Rock; standard tablet stamped "Roan High Knob, RFW 12 1934 6285" 6285.403 Reference mark, 20 ft. N. of tablet, in lower portion of Sunrise Rock; square cut $\frac{1}{h}$ -in. deep over drill hole 6283.04

TORCANE QUADRANGLE

BK. B5313

by J. P. Fish, 1934

Recopied: 6/18/54 Jmr (Contid. P. 20)

Shell Creek, 11.0 mi. MS. of, 7 ft. N. of center of Lunceford Branch Road, 25 ft. N. of center of Lunceford Branch at ford and intersection of small stream, on rock outcrop; chiseled square

Shell Creek, 10.0 mi. NE. of, 7 ft. SE. of center of Walnut Mountain Road, in root of 16-in. black oak tree; nail and washer

2935.49

Qd. #224

Station: County: Avery State: HUMP

Observer: J. L. Williams Year: 1934 Datum: 1927 N.A.D. - Prelim.

Description:

Comp. Bk. TVA #2

Elk Park, 2.2 mi SW. of, on highest point of Hump Mountain near E. end of flat summit.

Station mark: Drill hole in triangle on boulder set in ground.

NOTE: Not to be confused with Forest Service station on same top, 119.5 ft NE. of USGS station.



80 24.30 [Latitude 36 Longitude 82 00 43.06 To Station-Azimuth Back Azimuth Distance Log. Meters Miles 14 23.63 194 44.40~ 4.2417240 Yellow 07 10.841 38.15 43.52. 50.81 68 4.0297830 248 6.655 Roan High Knob 21 17 Fork 130 10 39.70 310 04 4.2856613 11.995 55 28 9.041 Buck Ridge 201 25.99 4.1628760 Beech 247 07.11 4.1037482 7.890

21 67 98 57 32 02 4.0915045 277 24.28 7.671 Sugar 57 284 104 4.2446482 Grandfather 01 80 10.915 Jonas 4.3515248 13.960 332 58 153 02

UNITED STATES DEPARTMENT OF THE INTERIOR-GEOLOGICAL SURVEY

Station:

ROAN HIGH BLUFF

County: Mitchell

State: N. C.

Observer:

USC&GS

Year: 1930 Datum: 1927 N.A.D.

Description:

Comp. Bk. TVA #2

Located on highest part of bluff which makes up extreme W. end of Roan Mountain. It is about 15 mi by rd. SW. of Roan Mountain and about same distance N. of Bakersville.

Station: Marked with standard disk

References:

OBJECT				DISTANCE	DIRECTION
Big Butt				meters	00° 00' 00°0"
Reference	Mark No	. 1	28.48 ft	8.680	268 46 03.0°
Reference	Mark No	· 2	26.465 ft	8.067	347 50 09.1

	•	,		u			0 /	4	e sign
	[Latitude 3	36 09	3.5	.02		Longit	ude 82	08 44.48]	
To	Station—	Azimuth			E	Back Azimuth		Distance	
		0	′	n	•	,	"	Log. Meters	Miles
Una Una For	Pen Bluff ika G.S. ika F.S. ik te Rocks F.	32 110 110 171	07 07 19 12	05.01 03.02 26.14 40.34	212 290 290 351	03 01 14 11	27.38 58.25 05.57 35.78	4.2415480 4.1388869 4.1613913 4.2521653	10.837 8.555 9.010 11.105
Roa Wil Pet	n High Knob son Knob ers uty	187	47 47 13 19 52	11.15 09.74 39.77 35.68 42.80	07 -58 171 265 278	48 47 14 13 46	03.41 58.89 22.32 25.52 05.94	4.2127396 3.3873452 4.0749649 4.1980023 4.2316566	10.192 1.516 7.384 9.803 10.593