

190

ING
VERTICAL DATUM OF 1929

35-081-14
GRANITE FALLS QUADRANGLE
~~190 NORTH CAROLINA~~
N3545-W8115/15
DIAGRAM NO 17-2
CHARLOTTE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

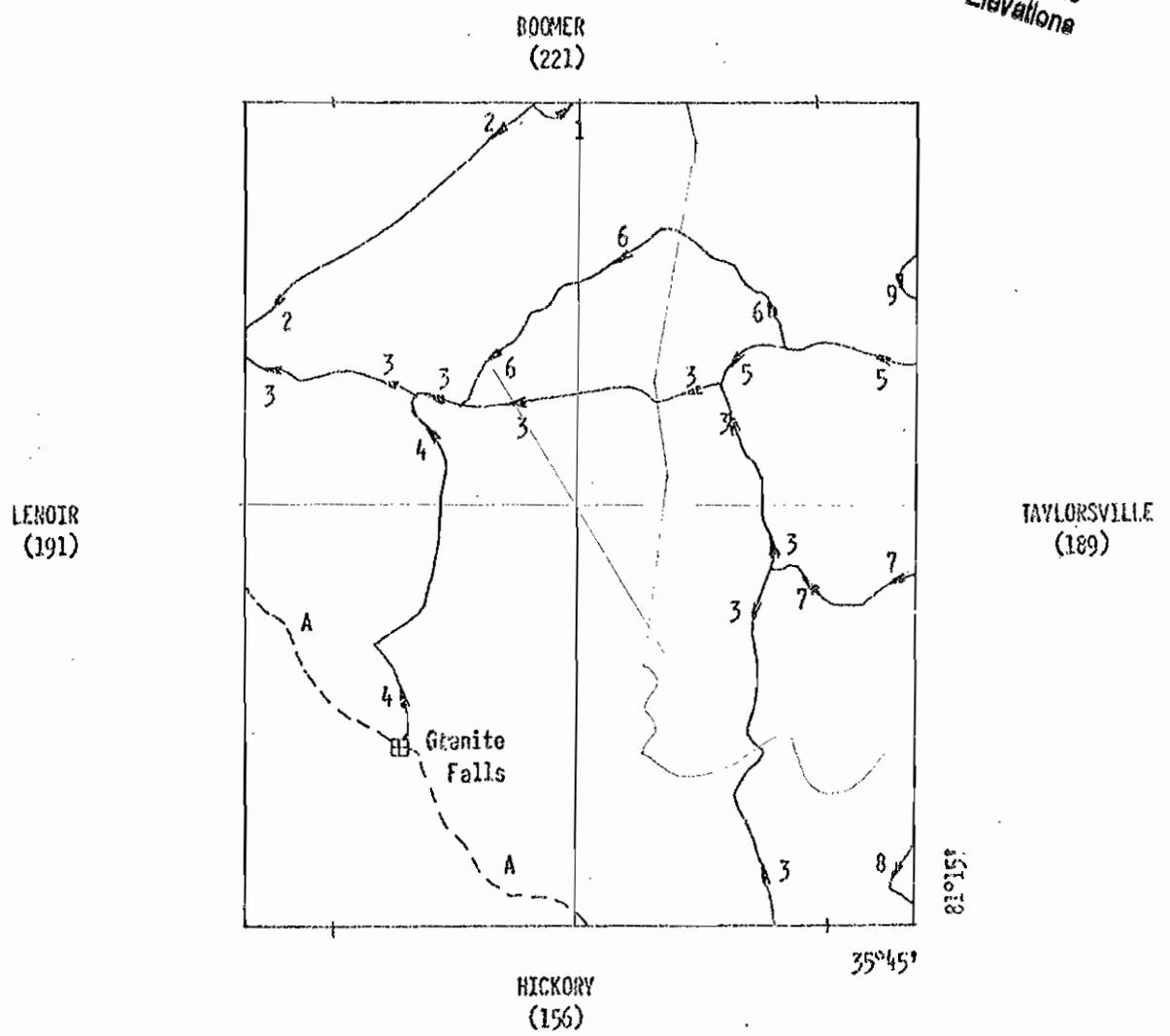
Alexander, Burke, Caldwell, Catawba
and Wilkes Counties

Final adjustment of 1975

Edition of 3/20/75

PR: WSM/rmc

NGVD 29
Elevations



HGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 350811

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GRANITE FALLS
Book AV 232

190 NORTH CAROLINA

A. T. Adams

35-081-14

1950

3

LINE 1.

Feet

By A. T. Adams, 1950; Book AV 232

Kings Creek; 21 ft NW. of school flagpole; in Y-junction of sidewalks; standard tablet stamped "7 ATA 1284 KINGS CREEK 1948" *Destroyed 1993 See attached for reset info*

1284.423 ^M 391.4

Reference mark; 60 ft S. of tablet; on NE. end of bottom step leading to SW. door of school building; chiseled square

1285.40

LINE 2.

By A. T. Adams, 1951; Book AV 232

"7 ATA 1284 KINGS CREEK 1948" (Described in line 1)

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1284.423

Kings Creek, 2.5 mi SW. of, along State Highway 18; in E. end of S. concrete headwall of culvert; standard tablet stamped "22 ATA 1951 1194"

1194.008

Reference mark; 50 ft NE. of tablet; on center of concrete headwall of culvert; chiseled square

1194.77

U.E., Kings Creek, 3.0 mi SW. of; on NW. side of rd.; 25 ft N. of private drive NW.; on NE. corner of concrete headwall of culvert; chiseled square

1180.50

Kings Creek, 4.8 mi SW. of, along State Highway 18; in W. end of N. concrete headwall of culvert; standard tablet stamped "23 ATA 1951 1147"

1146.643

Reference mark; 28 ft SW. of tablet; on E. end of S. concrete headwall of culvert; chiseled square

1146.33

U.E., Kings Creek, 6.1 mi SW. of; on NW. side of rd.; on SW. end of concrete headwall of culvert; chiseled square

1151.95

LINE 3.

By A. T. Adams, 1951; Book AV 246

Sweetwater Grade School, 0.8 mi W. of along RR. track, thence 1.7 mi N. along rd. to State Highway 127; 81 ft SE. of junction of rd. NW. to Fairground; 40 ft W. of center of paved rd.; 15 ft E. of barb-wire fence; 5 ft N. of telephone pole, in concrete post; standard tablet stamped "12 ATA 1951 1141" (Reported not found, 1970)

1140.869

Reference mark; 400 ft N. of tablet; on E. end of concrete pipe culvert; on E. side of rd; chiseled square

1132.89

Hickory, 3.4 mi N. of, along State Highway 127; 55 ft SE. of junction of Falling Creek Road E.; 13 ft S. of S. concrete headwall of culvert under dirt rd.; 25 ft N. of pine tree, in concrete post; standard tablet stamped "13 ATA 1951 1041" (Reported not found, 1970)

1040.711

Reference mark; 150 ft N. of tablet; on SE. side of rd.; on center of masonry headwall of culvert; chiseled square

1037.66

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Hickory, 4.1 mi N. of junction of U. S. 70A and State Highway 127; 27 ft E. of center of State Highway 127, 27 ft W. of dirt rd.; in concrete post projecting 10 in.; NGS standard reference disk stamped "LAKE NO 1 1948"	1059.558
Reference mark 2; 59 ft E. of center of State Highway 127 and 22 ft S. of center of dirt rd.; in concrete post projecting 10 in.; NGS standard reference disk stamped "LAKE NO 2 1948"	1059.069
U.E., Hickory, 5.1 mi N. of, along State Highway 127; on NE. concrete wingwall of bridge over Catawba River; chiseled square	942.84
Hickory, 6.8 mi N. of, along State Highway 127, on property of Mt. Bethel Church; 176 ft S. of SE. corner of church; 67 ft W. of center of highway; 31 ft E. of witness post; in concrete post set flush; NGS standard triangulation disk stamped "BETHEL 1948"	1132.707
Reference mark 1; 52 ft W. of station; 17 ft SE. of 12 in. oak tree; in concrete post flush with ground; NGS standard reference disk stamped "BETHEL NO 1 1948"	1135.068
Reference mark 2; 57 ft N. of station; 120 ft S. of SE. corner of church; 70 ft W. of center of highway; in concrete post flush with ground; NGS standard reference disk stamped "BETHEL NO 2 1948"	1132.728
Hickory, 9.1 mi N. of along State Highway 127; 53 ft NE. of rd. junction E.; 16 ft N. of center of dirt rd.; at top of hill; in concrete post; standard tablet stamped "14 ATA 1951 1135"	1134.786
Reference mark; 5 ft S. of tablet; top of 5- by 5-in. concrete right-of-way marker	1134.80
Hickory, 11.4 mi N. of, along State Highway 127; on SW. wingwall of concrete highway bridge over Little River; standard tablet stamped "15 ATA 1951 1053"	1052.446
Reference mark; 40 ft E. of tablet; on SE. concrete wingwall of bridge; chiseled square	1052.20
Hickory, 11.9 mi N. of along State Highway 127, thence 1.5 mi N. along rd. to State Highway 90, about 250 ft S. of junction of private drive W.; 22 ft SW. of center of rd.; 10 ft SE. of telephone pole; in concrete post; standard tablet "16 ATA 1951 1287" (Reported not found, 1970)	1286.395
Reference mark; 25 ft N. of tablet; 12 ft SW. of center of rd.; on rock outcrop; chiseled square	1283.82
Lenoir, 14.5 mi E. of; along State Highway 90; 11.9 mi N. of Hickory, along State Highway 127, thence 2.3 mi N. along rd. to Highway 90, thence 1.3 mi W. along Highway 90; 370 ft E. of Caldwell-Alexander County line, along centerline of new Highway 90; 85 ft S. of centerline of new Highway 90; 5 ft S. of state right-of-way marker under barbed-wire fence; in concrete post; standard tablet stamped "17 ATA 1951 RESET 1966" (Reported not found, 1970)	1253.933
U.E., 17 ft N. of center of rd.; on E. end of concrete headwall of culvert; chiseled square	1250.80
U.E., Lenoir; 13.6 mi E. of, on NW. wingwall of bridge; chiseled square	1227.63

LINE 3 (Cont'd)Feet

Lenoir, 11.6 mi E. of along State Highway 90, 66 ft S. of junction of rd. S. to Granite Falls; 6 ft E. of stop sign, in concrete post; standard tablet stamped "18 ATA 1951 1266" (Reported not found, 1970)	1266.077
Reference mark; 33 ft NNE. of tablet; on SW. end of concrete headwall of culvert; chiseled square	1262.27
Lenoir, 9.3 mi E. of along State Highway 90; 160 ft W. of junction of rd. NE.; 20 ft S. of center of rd.; 20 ft W. of stream; in concrete post; standard tablet stamped "19 ATA 1951 1219"	1218.556
Reference mark; 14 ft NE. of tablet; on SW. corner of concrete headwall of culvert; chiseled square	1219.70
Lenoir, 7.6 mi E. along State Highway 90; 55 ft SW. of junction of rd. SW., 5 ft S. of ditch; 33 ft W. of stop sign; at E. end of garden, in concrete post; standard tablet stamped "20 ATA 1951 1254" (Reported not found, 1970)	1253.407
Reference mark; 70 ft E. of tablet; on S. side of rd.; on E. end of concrete headwall of culvert; chiseled square	1245.34
Lenoir, 5.6 mi E. of along State Highway 90; 60 ft SSE. of junction of rd. S.; 15 ft N. of creek; 4 ft NE. of Hotel Carlheim billboard, in concrete post; standard tablet stamped "21 ATA 1951 1331" (Reported not found, 1971)	1330.495
Reference mark; 75 ft NE. of tablet; on N. side of rd.; on E. end of concrete headwall of culvert; chiseled square	1333.06
U.E., Lenoir, 4.1 mi E. of, 15 ft NE. and 2 ft lower than center of rd.; on W. end of concrete headwall of culvert; chiseled square	1199.18

LINE 4.

By A. I. Adams, 1951; Book AV 246

"X 48 1933" (NGS) (Reported destroyed, 1970)	1208.383
"1213.531 GRANITE FALLS 1933" (NGS)	1213.390
Granite Falls, 1.1 mi N. of, along paved rd., thence 0.5 mi W. along dirt rd., thence 0.5 mi N. along paved rd.; 132 ft N. of junction of rd. NW.; 10 ft S. of telephone pole; in concrete post; standard tablet stamped "24 ATA 1951 1118" (Reported destroyed, 1970)	1117.675
Reference mark; 90 ft S. of tablet; on NW. corner of concrete stoop of residence of Claude Ryder; chiseled square	1115.58
Granite Falls, 4.4 mi N. of, in NE. corner of graveyard of Center Grove Baptist Church; 4 ft S. of telephone pole; 1 ft W. of barb-wire fence, in concrete post; standard tablet stamped "25 ATA 1951 1214" (Reported destroyed, 1970)	1214.414

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LINE 4 (Cont'd)feet

Reference mark; 60 ft SW. of tablet; in graveyard; on base of granite base of Wm. Pickney Bumgarner monument; NW. corner unmarked	1215.72
Granite Falls, 3.0 mi N. along rd. to Hudson, thence 3.1 mi NE. along rd. to State Highway 90, 27 ft NW. of center of Y-junction of rds.; 7 ft NW. of sign post; in concrete post; standard tablet stamped "26 ATA 1951 1246" (Reported destroyed, 1970)	1245.832
Reference mark; 75 ft NE. of tablet; 20 ft NW. of center of rd.; in root on SE. side of 24 in. oak tree; copper nail and washer	1245.69
Granite Falls, 3.0 mi N. of along rd. to Hudson, thence 5.8 mi NE. along rd. to State Highway 90, 15 ft SE. of T-rd. junction; 63 ft ENE. of center of wooden bridge; 6 ft S. of signpost, in concrete post; standard tablet stamped "27 ATA 1951 1186" (Reported not found, 1970)	1186.059
Reference mark; 32 ft N. of tablet; on NW. end of concrete pipe culvert; chiseled square	1185.71

LINE 5.

By A. T. Adams, 1951; Book AV 246 ✓

Taylorsville Courthouse, 5.4 mi W. of along State Highway 90; 25 ft NNE. of junction of State Highways 127 and 90; 5 ft W. of telephone pole, 15 ft S. of 30 in. oak tree; in concrete post; standard tablet stamped "30 ATA 1951 1215"	1215.156
Reference mark; 55 ft NW. of tablet; on NE. side of rd.; on SE. end of concrete headwall of culvert; chiseled square	1213.65
Taylorsville, 7.5 mi W. of courthouse along State Highway 90; 250 ft E. of junction of rd. NW.; 30 ft N. of center of State Highway 90; 12 ft NNW. of side rd. sign; in concrete post; standard tablet stamped "31 ATA 1951 1205"	1204.834
Reference mark; 21 ft SE. of tablet; on N. side of rd.; on W. end of concrete headwall of culvert; chisled square	1200.52

LINE 6.

By A. T. Adams, 1951; Book AV 246

"31 ATA 1951 1205" (Described in line 5)	1204.834
Taylorsville, 7.5 mi W. of courthouse, along State Highway 90, thence 2.3 mi NW. along dirt rd.; 30 ft E. of private drive NE.; 5 ft NW. of creek; 7 ft SE. of 18 in. weeping willow tree; in concrete post; standard tablet stamped "39 ATA 1951 1207"	1206.694
Reference mark; 910 ft N. of tablet; in top of wooden post on SE. corner of wooden bridge; copper nail and washer	1206.25

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LINE 6 (Cont'd)

Feet

- Taylorsville, 7.5 mi W. of, along State Highway 90, thence 4.8 mi NW. along dirt rd.; 3.5 mi NE. of Draco; 50 ft W. of junction of rd. NW.; 25 ft E. of S. corner of shed, 15 ft NW. of and 5 ft higher than center of rd.; in concrete post; standard tablet stamped "40 ATA 1951 1339" 1339.235
- Reference mark; 40 ft N. of tablet; on rock outcrop; chiseled square 1333.08
- Draco, 1.1 mi NE. of, along dirt rd.; 80 ft SW. of center of wooden bridge; 18 ft NW. of center of rd.; 3 ft NW. of edge of bank, in concrete post; standard tablet stamped "41 ATA 1951 1435" 1435.062
- Reference mark; 75 ft NE. of tablet; on W. wooden wingwall of bridge; copper nail and washer 1430.42
- Draco, 1.2 mi SW. of along dirt rd.; 80 ft SSW. of junction of rd. SW.; 17 ft NW. of center of main rd.; 11 ft SW. of side rd.; in concrete post; standard tablet stamped "42 ATA 1951 1531" (Reported not found, 1970) 1530.795
- Reference mark; 320 ft SW. of tablet; on N. side of rd.; on N. end of corrugated iron pipe culvert; chiseled cross 1504.82
- "19 ATA 1951" (Described in line 3) 1218.556

LINE 7.

By A. T. Adams, 1951; Book AV 246

- Taylorsville, 3.7 mi S. of courthouse, along State Highway 16, thence 2.5 mi W. along dirt rd., thence 0.5 mi S. along dirt rd., thence 3.4 mi W. along dirt rd.; 57 ft SSW. of rd. SSE.; 22 ft S. of center of rd.; 11 ft NE. of 5 in. hickory-nut tree; in concrete post; standard tablet stamped "35 ATA 1951 1116" (Reported not found, 1970) 1115.765
- Reference mark; 15 ft ESE. of tablet; on NW. side of 18 in. oak tree; in root; copper nail and washer 1117.21
- "14 ATA 1951" (Described in line 3) 1134.786

LINE 8.

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By A. T. Adams, 1951; Book AV 246

- Conover, 5.0 mi NW. of, near Props's Store, near center of triangle formed by junction of paved rds.; 128 ft NE. of W. junction; 57 ft N. and 42 ft W. of center of paved rd.; 33 ft SE. of center of paved rd.; 5 ft W. of white witness post; in concrete post set flush; HGS standard triangulation disk stamped "SNOW 1948" 1127.164

LINE 9.

By A. T. Adams, 1951; Book AV 246

- Taylorsville, 3.8 mi W. of courthouse, along State Highway 90, thence 1.9 mi N. along dirt rd.; 67 ft SE. of junction of NW.-SE. rd.; 13 ft E. of centerline of rd.; in concrete post; standard tablet stamped "48 ATA 1951 1128" (RESET 1951 same elevation with no change in stamping) 1127.763

***** R E C O V E R Y D E S C R I P T I O N *****

SSN: 0002
Designation: 7 ATA

PID:

Latitude: 350000N
Longitude: 0810000W
Elevation:
Stamping: 7 ATA 1284 KINGS CREEK 1948

State: NC
County: CALDWELL
Disk From: USGS

Surface Mark-
Type: Bench Mark disk

Magnetic code: B

Setting: SET INTO THE TOP OF A PREFABRICATED CONCRETE POST IMBEDDED IN THE GROUND

Mark condition reported in descriptive text by - NCGS on 10141993, chief of party PAC.

STATION WAS LOOKED FOR BUT NOT FOUND AND MAY BE LOST DUE TO ROAD CONSTRUCTION.

***** O R I G I N A L D E S C R I P T I O N *****

SSN: 0001
Designation: 7 ATA RESET

PID:

Latitude: 355931N
Longitude: 0812406W
Elevation:
Stamping: 7 ATA RESET 1993 KINGS CREEK SCHOOL

State: NC
County: CALDWELL
Disk From: USGS

Surface Mark-
Type: Bench Mark disk

Magnetic code: B

Setting: SET INTO THE TOP OF A CONCRETE MONUMENT

Set by NCGS in 1993, Chief of party PAC.

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STATION IS LOCATED ABOUT 9.3 MI (15.0 KM) NORTHEAST OF LENOIR.

ALONG NC 18 FOR 4.1 MI (6.6 KM) SOUTHWEST FROM THE WILKES-LENOIR COUNTY LINE, AT KINGS CREEK SCHOOL, ACROSS FROM THE MAIN SCHOOL ENTRANCE.

MARK IS ABOUT 10 FEET HIGHER THAN HIGHWAY AND FLUSH WITH GROUND. LOCATED 81.5 FT (24.8 M) SOUTHEAST OF THE CENTERLINE OF THE HIGHWAY, 131.5 FT (40.1 M) SOUTHWEST OF THE CENTERLINE OF A DRIVE, 153.0 FT (46.6 M) SOUTH-SOUTHWEST OF THE CENTERLINE INTERSECTION, 11.4 FT (3.5 M) NORTHWEST OF THE NORTH EDGE OF THE SIDEWALK, 85.6 FT (26.1 M) NORTHEAST OF THE NORTHWEST CORNER OF THE MAIN SCHOOL BUILDING, 98.1 FT (29.9 M) WEST OF THE NORTHEAST CORNER OF THE MAIN SCHOOL BUILDING, AND 147.9 FT (45.1 M) SOUTHWEST OF A POWER POLE WITH REFERENCE TAG.



United States Department of the Interior



GEOLOGICAL SURVEY
1400 Independence Road
Rolla, Missouri 65401

In Reply Refer To:
Mail Stop 309

August 13, 1993

Mr. Gary Thompson
Chief, of Field Operations
North Carolina Geodetic Survey
512 N. Salisbury Street
Raleigh, North Carolina 27611

Dear Mr. Thompson:

Thank you for informing us of the need to move our bench mark "7 ATA 1284 KINGS CREEK 1948," located on Granite Falls quadrangle (190 NC).

Since we have no fieldmen in this area, we accept your offer to have this mark reset for us.

The necessary forms and instructions for making this relocation are enclosed. We will send a prestamped tablet, under separate cover, suitable for placing in a poured concrete monument or an existing masonry structure. Please use the enclosed, self-addressed envelope to return the completed form and a copy of the field notes.

The old tablet does not need to be returned to this agency as long as it is destroyed. If you choose to return the mark, mail it to the following address:

Chief, Mid-Continent Mapping Center
U. S. Geological Survey, Mail Stop 309
1400 Independence Road
Rolla, Missouri 65401

Your willingness to do this work as a public service is greatly appreciated.

Sincerely yours,

Robert Rinehart
Chief, Computation Unit

5 Enclosures

Separate Cover
Masonry Set Tablet

NGVD 29
Elevations



United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA 22092

In Reply Refer To:
Mail Stop 510

AUG 20 1993

Ms. Wendy Hatton
Kings Creek School
Route 1, Box 411A
Lenoir, North Carolina 28645

Dear Ms. Hatton:

The National Mapping Division (NMD) of the U.S. Geological Survey (USGS) appreciates your interest in the bench mark at your school. During the past century, the USGS has established an estimated 500,000 bench marks throughout the United States just like the one at your school. With so many marks, it is difficult for us to keep track of each one, so your concern is of great benefit to us. Many times bench marks disappear and we never know what happened to them. We have contacted Mr. Gary Thompson, of the North Carolina Geodetic Survey in Raleigh, and he indicated that his agency would reset a bench mark at the school.

We also are sending you, under separate cover, information on maps and other NMD products. We encourage you to share this with your teachers and schoolmates.

If you have any questions, or need additional information, please feel free to write to the Mid-Continent Mapping Center at 1400 Independence Road, Rolla, Missouri 65401-2602. You can direct your letter to the attention of Robert Rinehart, mail stop 309; or you may call Mr. Rinehart at (314) 341-0823. Thank you again for your interest.

Sincerely,

for Allen H. Watkins
Chief, National Mapping Division

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Separate Cover
ESIC Educational package

cc: NMD Files
PTS-2
PO-2
C. Ogrosky-2
K. Craun

ODC Chron
Gen. Files-MS114
Dir. Chron-MS114
MCMC-MS309
G. Thompson, NC Geodetic Survey

NMD:PTSG:KCraun:mlo:8/17/93:SCHOLNC.LTR

516

Kings Creek School
Rt. 1 Box 411 A
Lenoir, N.C. 28645
July 28, 1993

Dallas L. Peck, Director
U.S. Geological Survey
Interior Dept.
12201 Sunrise Valley Dr.
Reston, VA 22092

Dear Mr. Peck:

I am a student of Kings Creek School. I am writing to request that our bench marker be replaced.

Down in the Kings Creek area there has been a lot of road construction. While road crews were working on the road, they took out the bench marker. We were the only school in the county who had one. Everyone would like to see it replaced.

Please consider replacing this bench marker.

Thank you for any help you can give us.

Sincerely,

Wendy Hatton

Wendy Hatton,
Kings Creek School
Student Council President

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