

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

167
35-075-41
ROANOKE ISLAND QUADRANGLE
NORTH CAROLINA
N3545-W7530/15
DIAGRAM NI 18-2
MANTEO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Dare County

Final adjustment of 1976

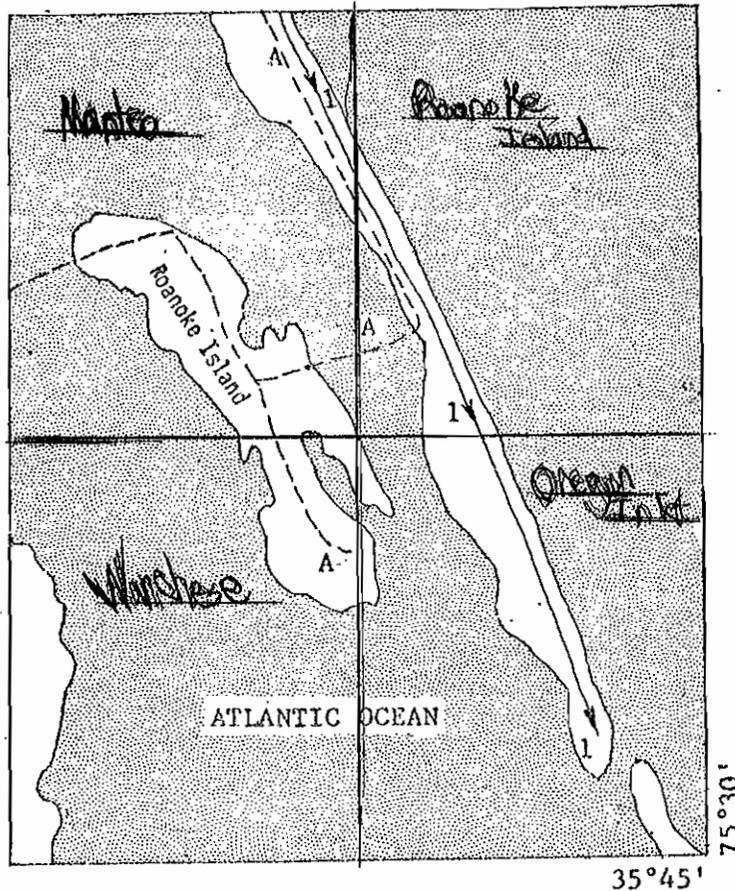
Edition of 4/29/76

PR: WSM/kp

NGVD 29
Elevations

KITTY HAWK
(198)

EAST LAKE
(168)



STUMPY POINT
(133)

US (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 350754

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
M 7.5 9.00 N P S	3	M 17.5 8.41 N P S	5
M 8.0 9.31 N P S	3	M 18.0 8.37 N P S	5
M 8.5 8.38 N P S	3	M 18.5 10.14 N P S	5
M 9.0 8.26 N P S	3	M 19.5 7.08 N P S	5
M 10 8.98 N P S	3	M 20.0 7.11 N P S	5
M 10.5 6.75 N P S	3	M 20.5 7.61 N P S	5
M 11.0 7.14 N P S	3	505+75 N P S	3
M 11.5 7.33 N P S	3	784+71 6.93 N P S	4
M 12.0 7.59 N P S	3		
M 12.5 7.74 N P S	3	<u>NGS</u>	
M 13.0 7.51 N P S	4	BASE NO 4 U S COAST SURVEY 1848	5
M 13.5 EL 7.58	4	NO 5 1916	6
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M 14.5 EL 6.65	4	NO 2 1937	5
M 15.0 9.83 N P S	4	NO 3 1937 (3.910)	5
M 15.5 6.52 N P S	4	NO 3 1937 (3.232)	6
M 16.5 12.19 N P S	4		

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ISOLATED BENCH MARKS (By B. B. Chamblin, 1939; Book B8066)	<u>Feet</u>
Kill Devil Hill Post Office, 0.5 mi S. of; 20 ft E. of center of rd.; in concrete post; standard tablet stamped "M 7.5 9.00 N P S"	9.060
Kill Devil Hill, 1.0 mi S. of; 20 ft E. of center of rd.; in concrete post; standard tablet stamped "M 8.0 9.31 N P S" (<u>Reported destroyed, 1950</u>)	9.363
Kill Devil Hill, 1.5 mi S. of; 20 ft E. of center of rd.; in concrete post; standard tablet stamped "M 8.5 8.38 N P S" (<u>Reported destroyed, 1950</u>)	8.370
Kill Devil Hill, 2.0 mi S. of; 2.3 mi N. of Nags Head Post Office; 20 ft E. of center of rd.; in concrete post; standard tablet stamped "M 9.0 8.26 N P S"	8.232
Nags Head Post Office, 1.8 mi N. of; 20 ft E. of center of rd.; in concrete post; standard tablet stamped "505+75 N P S" (<u>Reported destroyed, 1950</u>)	10.323
Nags Head Post Office, 1.3 mi N. of; 20 ft E. of center of rd.; in concrete post; standard tablet stamped "M 10 8.98 N P S" (<u>Not found, 1950</u>)	8.907
Nags Head, 0.8 mi N. of; 25 ft E. of center of rd.; in concrete post; standard tablet stamped "M 10.5 6.75 N P S" (<u>Not found, 1950</u>)	6.684
Nags Head, 0.3 mi N. of; 25 ft E. of center of rd.; in concrete post; standard tablet stamped "M 11.0 7.14 N P S" (<u>Not found, 1950</u>)	7.032
Nags Head, 0.2 mi S. of; 30 ft E. of center of rd.; in concrete post; standard tablet stamped "M 11.5 7.33 N P S" (<u>Not found, 1950</u>)	7.257
Nags Head, 0.7 mi S. of; 30 ft E. of center of rd.; in concrete post; standard tablet stamped "M 12.0 7.59 N P S" (<u>Reported destroyed, 1950</u>)	7.524
Nags Head, 1.2 mi SE. of; on U. S. Highway 158; 25.1 ft NE. of centerline of hwy.; 162.7 ft NW. of power pole No. 310; 86.5 ft SE. of telephone pole No. E58; 30 ft E. of center of rd.; in concrete post; standard tablet stamped "M 12.5 7.74 N P S"	7.716

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ISOLATED BENCH MARKS (Cont'd.)Feet

- Nags Head, 1.7 mi SE. of, along U. S. Highway 158; 26 ft NE. of centerline of hwy.; 90.5 ft SE. of power pole No. 316; 90.2 ft E. of SE. corner of "Kidds Drive-In"; 30 ft E. of center of rd.; in concrete post; standard tablet stamped "M 13.0 7.51 N P S" 7.470
- Nags Head; about 1.6 mi N. along U. S. Highway 158 (business route) from junction of State Highway 12 leading S. to Oregon Inlet; about 2.2 mi S. of post office at Nags Head; about 0.35 mi SE. of milepost 15; 26 ft E. of centerline of hwy.; 70 ft NE. of, and across hwy. from Coast Guard telephone pole No. 281; 199 ft N. of powerline pole No. NH 326; 123 ft SE. and across hwy. from telephone pole No. 280; 2.5 ft S. of wooden witness post; 0.5 ft above level of hwy.; in concrete post projecting 12 in. above ground; standard tablet stamped "M 13.5 EL 7.58" (Tied by NGS, 1963) 7.572
- Nags Head, 2.7 mi S. of; 30 ft W. of center of rd.; in concrete post; standard tablet stamped "M 14.0 R M No 1 N P S" (Not found, 1950) 7.128
- Nags Head, about 0.55 mi N. along U. S. Highway 158 (business route) from junction of State Highway 12; about 3.2 mi SE. of Nags Head Post Office; 26.5 ft E. of centerline of hwy.; 27.4 ft S. of powerline pole No. NH 342; 62 ft SE. of, and across hwy. from Coast Guard telephone pole No. 2515; 86.5 ft SW. of NW. corner of garage; in concrete post about 1 in. below level of concrete driveway; standard tablet stamped "M 14.5 EL 6.65" (Tied by NGS, 1963)
(Note: A concrete driveway has been built around the mark but the disk remains uncovered. Mark will probably hold an elevation although it will be driven over by cars.) 6.581
- Nags Head, 3.6 mi S. of; in triangle formed by rd. intersection; in concrete post; standard tablet stamped "784+71 6.93 N P S" (Reported destroyed, 1950) 6.837
- Nags Head, 3.7 mi S. of; 7.0 mi N. of Bodie Island Lighthouse; in concrete post; standard tablet stamped "M 15.0 9.83 N P S" 9.747
- Bodie Island Lighthouse, 6.5 mi N. of, along beach; in concrete post; standard tablet stamped "M 15.5 6.52 N P S" 6.471
- Bodie Island Lighthouse, 5.5 mi N. of, along beach; in concrete post; standard tablet stamped "M 16.5 12.19 N P S" 12.120

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ISOLATED BENCH MARKS (Cont'd.)Feet

Bodie Island Lighthouse, 4.5 mi N. of, along beach; in concrete post; standard tablet stamped "M 17.5 8.41 N P S"	8.355
Bodie Island Lighthouse, 4.0 mi N. of, along beach; in concrete post; standard tablet stamped "M 18.0 8.37 N P S"	8.367
Bodie Island Lighthouse, 3.5 mi N. of, along beach; in concrete post; standard tablet stamped "M 18.5 10.14 N P S"	10.176
Bodie Island Lighthouse, 2.5 mi N. of, along beach; in concrete post; standard tablet stamped "M 19.5 7.08 N P S"	7.059
Bodie Island Lighthouse, 2.0 mi N. of, along beach; in concrete post; standard tablet stamped "M 20.0 7.11 N P S"	7.044
Bodie Island Lighthouse, 1.5 mi N. of, along beach; 0.25 mi S. of Coast Guard station; in concrete post; standard tablet stamped "M 20.5 7.61 N P S"	7.587
Bodie Island, on reservation of Bodie Island Lighthouse; in extreme NW. corner of walk which leads to lighthouse keeper's quarters; 45.5 ft W. of bottom step leading to porch; 3 ft N. of centerline of sidewalk; 2.5 ft W. of northerly gatepost and fence; Elevation: 4.15 ft above low-water datum; 3.65 ft above mean water level; chiseled cross on walk; NGS tidal mark designated "NO 3 1937"	3.910
Bodie Island, about 0.5 mi S. of Bodie Island Lighthouse; on property of Bodie Island Club; about 300 ft N. of Bench Mark 1; 27 ft S. of slough or creek marking N. limit of clubhouse yard; 79.5 ft SE. of small boat platform; 85.5 ft W. of SW. corner of 2-car garage, and 84.5 ft NE. of NE. corner of shed; Elevation: 2.21 ft above low-water datum; 1.71 ft above mean water level; in concrete post flush with ground; NGS standard disk designated "NO 2 1937"	1.969
Bodie Island Lighthouse, 1.0 mi E., thence 1.5 mi S. of; on top of square 2-ft marble block marked "BASE NO 4 U S COAST SURVEY 1848"	6.18
Bodie Island, on SE. part; at Oregon Inlet; 492 ft N. of inlet; on Coast Guard telephone system right-of-way; on range with telephone poles; 54 ft N. of last pole on Bodie Island (This pole is No. 2589 and is beginning of cable across inlet and is also equipped with transformer.); 56 ft S. of second pole N. of inlet, marked No. 2588, and is on line between poles; Elevation: 2.96 ft above mean low water; in concrete post flush with ground; NGS standard disk designated "NO 1 1937"	2.190

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ISOLATED BENCH MARKS (Cont'd.)Feet

Bodie Island, 0.5 mi N. of Oregon Inlet; 98.5 ft E. of telephone line; 16.5 ft S. and E. of telephone pole No. 2571; 136.5 ft N. and E. of telephone pole No. 2572, and 115 ft W. of sand fence; Elevation; 4.71 ft above mean low water; copper nail set in 4-in. sewer tile filled with concrete (bell down); NGS tidal mark designated NO 3 1937"

3.232

Roanoke Sound, on E. side of; in W. section of Nags Head (old Nags Head) and just E. of old pier ruins; under NW. corner of cottage belonging to W. H. Zoeller; 52 ft W. of centerline of paved rd.; 76 ft E. of shore of sound; 788 ft NW. of end of paved rd.; Elevation: 3.95 ft above low-water datum; 3.45 ft above mean water level; in top of reinforced concrete post; NGS standard disk designated "NO 5 1916"

3.450

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