

DATABASE = ,PROGRAM = datasheet, VERSION = 7.80

1 National Geodetic Survey, Retrieval Date = FEBRUARY 23, 2010

EB1559 \*\*\*\*\*

EB1559 DESIGNATION - ROCKINGHAM RESET

EB1559 PID - EB1559

EB1559 STATE/COUNTY- NC/RICHMOND

EB1559 USGS QUAD - HAMLET (1982)

EB1559

EB1559 \*CURRENT SURVEY CONTROL

EB1559

EB1559\* NAD 83(2007)- 34 54 31.49602(N) 079 41 01.64429(W) ADJUSTED

EB1559\* NAVD 88 - 118.731 (meters) 389.54 (feet) ADJUSTED

EB1559

EB1559 EPOCH DATE - 2002.00

EB1559 X - 937,719.254 (meters) COMP

EB1559 Y - -5,151,650.434 (meters) COMP

EB1559 Z - 3,629,619.608 (meters) COMP

EB1559 LAPLACE CORR- -5.17 (seconds) USDV2009

EB1559 ELLIP HEIGHT- 87.199 (meters) (02/10/07) ADJUSTED

EB1559 GEOID HEIGHT- -31.53 (meters) GEOID09

EB1559 DYNAMIC HT - 118.622 (meters) 389.18 (feet) COMP

EB1559

EB1559 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----

EB1559 Type PID Designation North East Ellip

EB1559

EB1559 NETWORK EB1559 ROCKINGHAM RESET 1.29 1.06 2.74

EB1559

EB1559 MODELED GRAV- 979,707.4 (mgal) NAVD 88

EB1559

EB1559 VERT ORDER - FIRST CLASS II

EB1559

EB1559.The horizontal coordinates were established by GPS observations

EB1559.and adjusted by the National Geodetic Survey in February 2007.

EB1559

EB1559.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).

EB1559.See National Readjustment <<http://www.ngs.noaa.gov/NationalReadjustment>> for more information.

EB1559.The horizontal coordinates are valid at the epoch date displayed above.

EB1559.The epoch date for horizontal control is a decimal equivalence

EB1559.of Year/Month/Day.

EB1559

EB1559.The orthometric height was determined by differential leveling

EB1559.and adjusted in June 1991.

EB1559

EB1559.The X, Y, and Z were computed from the position and the ellipsoidal ht.

EB1559

EB1559.The Laplace correction was computed from USDV2009 derived deflections.

EB1559

EB1559.The ellipsoidal height was determined by GPS observations

EB1559.and is referenced to NAD 83.

EB1559

EB1559.The geoid height was determined by GEOID09.

EB1559

EB1559.The dynamic height is computed by dividing the NAVD 88

EB1559.geopotential number by the normal gravity value computed on the

EB1559.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

EB1559.degrees latitude (g = 980.6199 gals.).

EB1559

EB1559.The modeled gravity was interpolated from observed gravity values.

EB1559

EB1559; North East Units Scale Factor Converg.

EB1559;SPC NC - 128,755.617 547,117.399 MT 0.99989040 -0 23 40.8

EB1559;SPC NC - 422,425.72 1,795,001.00 sFT 0.99989040 -0 23 40.8

EB1559;UTM 17 - 3,863,714.200 620,243.197 MT 0.99977820 +0 45 11.9

EB1559

EB1559! Elev Factor x Scale Factor = Combined Factor

EB1559!SPC NC - 0.99998631 x 0.99989040 = 0.99987671

EB1559!UTM 17 - 0.99998631 x 0.99977820 = 0.99976452

EB1559

EB1559: Primary Azimuth Mark Grid Az

EB1559:SPC NC - ROCKINGHAM RM 1 AZIMUTH 063 44 34.0

EB1559:UTM 17 - ROCKINGHAM RM 1 AZIMUTH 062 35 41.3

EB1559