

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.14

Starting Datasheet Retrieval...

1 National Geodetic Survey, Retrieval Date = AUGUST 2, 2022

ED3312 *****

ED3312 DESIGNATION - 39 083 @ 12 mile Creek Bridge

ED3312 PID - ED3312

ED3312 STATE/COUNTY- SC/PICKENS

ED3312 COUNTRY - US

ED3312 USGS QUAD - PICKENS (2017)

ED3312

ED3312 *CURRENT SURVEY CONTROL

ED3312

ED3312* NAD 83(2011) POSITION- 34 52 32.00419(N) 082 44 33.80912(W) ADJUSTED

ED3312* NAD 83(2011) ELLIP HT- 243.985 (meters) (06/27/12) ADJUSTED

ED3312* NAD 83(2011) EPOCH - 2010.00

ED3312* NAVD 88 ORTHO HEIGHT - 275.059 (meters) 902.42 (feet) ADJUSTED

ED3312

ED3312 GEOID HEIGHT - -31.067 (meters) GEOID18

ED3312 NAD 83(2011) X - 661,757.355 (meters) COMP

ED3312 NAD 83(2011) Y - -5,196,566.999 (meters) COMP

ED3312 NAD 83(2011) Z - 3,626,688.888 (meters) COMP

ED3312 LAPLACE CORR - -0.89 (seconds) DEFLEC18

ED3312 DYNAMIC HEIGHT - 274.772 (meters) 901.48 (feet) COMP

ED3312 MODELED GRAVITY - 979,587.6 (mgal) NAVD 88

ED3312

ED3312 VERT ORDER - FIRST CLASS II

ED3312

ED3312 Network accuracy estimates per FGDC Geospatial Positioning Accuracy

ED3312 Standards:

| ED3312 | FGDC (95% conf, cm) | Standard deviation (cm) | CorrNE |
|--------|---------------------|-------------------------|------------|
| ED3312 | Horiz Ellip | SD_N SD_E SD_h | (unitless) |

| | | | |
|--------|-------------------|----------------|------------|
| ED3312 | ----- | ----- | ----- |
| ED3312 | NETWORK 0.81 2.43 | 0.32 0.34 1.24 | 0.19188078 |
| ED3312 | ----- | ----- | ----- |

ED3312 Click [here](#) for local accuracies and other accuracy information.

ED3312

ED3312

ED3312.The horizontal coordinates were established by GPS observations

ED3312.and adjusted by the National Geodetic Survey in June 2012.

ED3312

ED3312.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has

ED3312.been affixed to the stable North American tectonic plate. See

ED3312.[NA2011](#) for more information.

ED3312

ED3312.The horizontal coordinates are valid at the epoch date displayed above

ED3312.which is a decimal equivalence of Year/Month/Day.

ED3312

ED3312.The orthometric height was determined by differential leveling and

ED3312.adjusted by the NATIONAL GEODETIC SURVEY

ED3312.in August 1993.

ED3312

ED3312.Significant digits in the geoid height do not necessarily reflect accuracy.

ED3312.GEOID18 height accuracy estimate available [here](#).

ED3312

ED3312.Click [photographs](#) - Photos may exist for this station.

ED3312

ED3312.The X, Y, and Z were computed from the position and the ellipsoidal ht.

ED3312

ED3312.The Laplace correction was computed from DEFLEC18 derived deflections.

ED3312

ED3312.The ellipsoidal height was determined by GPS observations

ED3312.and is referenced to NAD 83.

ED3312

ED3312.The dynamic height is computed by dividing the NAVD 88

ED3312.geopotential number by the normal gravity value computed on the

ED3312.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

ED3312.degrees latitude ($g = 980.6199$ gals.).

ED3312

ED3312.The modeled gravity was interpolated from observed gravity values.

ED3312

ED3312. The following values were computed from the NAD 83(2011) position.

ED3312

| ED3312; | North | East | Units | Scale Factor | Converg. |
|---------------|-----------------|--------------|-------|--------------|------------|
| ED3312;SPC SC | - 338,733.806 | 450,274.482 | MT | 1.00001528 | -0 57 58.2 |
| ED3312;SPC SC | - 1,111,331.38 | 1,477,278.48 | 1FT | 1.00001528 | -0 57 58.2 |
| ED3312;UTM 17 | - 3,860,628.224 | 340,724.526 | MT | 0.99991267 | -0 59 48.1 |

ED3312

ED3312! - Elev Factor x Scale Factor = Combined Factor

ED3312!SPC SC - 0.99996170 x 1.00001528 = 0.99997698

ED3312!UTM 17 - 0.99996170 x 0.99991267 = 0.99987438

ED3312

ED3312_U.S. NATIONAL GRID SPATIAL ADDRESS: 17SLU4072460628(NAD 83)

ED3312

SUPERSEDED SURVEY CONTROL

ED3312

| | | | | | |
|--------|--------------------|-------------------|--------------------|-------------|-----|
| ED3312 | NAD 83(2007)- | 34 52 32.00409(N) | 082 44 33.80973(W) | AD(2002.00) | 0 |
| ED3312 | ELLIP H (02/10/07) | 244.005 (m) | | GP(2002.00) | |
| ED3312 | NAD 83(2001)- | 34 52 32.00397(N) | 082 44 33.80978(W) | AD() | 1 |
| ED3312 | ELLIP H (03/27/03) | 244.016 (m) | | GP() | 4 2 |
| ED3312 | NAD 83(1995)- | 34 52 32.00412(N) | 082 44 33.80979(W) | AD() | 1 |
| ED3312 | ELLIP H (12/20/99) | 244.009 (m) | | GP() | 4 1 |
| ED3312 | NAD 83(1986)- | 34 52 32.01195(N) | 082 44 33.81060(W) | AD() | 1 |
| ED3312 | NGVD 29 | 275.12 (m) | 902.6 (f) | LEVELING | 3 |
| ED3312 | NGVD 29 (12/12/91) | 275.118 (m) | 902.62 (f) | ADJUSTED | 1 2 |

ED3312

ED3312.Superseded values are not recommended for survey control.

ED3312

ED3312.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

ED3312.See file [dsdata.pdf](#) to determine how the superseded data were derived.

ED3312

ED3312_MARKER: DD = SURVEY DISK

ED3312_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

ED3312_STAMPING: 39 083 1989

ED3312_MARK LOGO: SCGS

ED3312_PROJECTION: RECESSED 10 CENTIMETERS

ED3312_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

ED3312_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

ED3312_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

ED3312+SATELLITE: SATELLITE OBSERVATIONS - January 18, 2012

ED3312

| | | | | |
|--------|---------|------------|------------|-----------|
| ED3312 | HISTORY | - Date | Condition | Report By |
| ED3312 | HISTORY | - 1989 | MONUMENTED | SCGS |
| ED3312 | HISTORY | - 19910717 | GOOD | SCGS |
| ED3312 | HISTORY | - 19910717 | GOOD | SCGS |
| ED3312 | HISTORY | - 19920109 | GOOD | |
| ED3312 | HISTORY | - 20120118 | GOOD | SCGS |

ED3312

STATION DESCRIPTION

ED3312

ED3312'DESCRIBED BY SOUTH CAROLINA GEODETIC SURVEY 1989

ED3312'STATION IS LOCATED 2.1 MILES WEST SOUTHWEST OF PICKENS.

ED3312'OWNERSHIP--SCDHPT, DIRECTOR OF PRECONSTRUCTION, P.O. BOX 191,

ED3312'COLUMBIA, SC 29202, PHONE 803-737-1350.

ED3312'TO REACH THE STATION FROM THE WEST JUNCTION OF U.S. HIGHWAY 178 AND
ED3312'STATE HIGHWAY 183 IN PICKENS, GO SOUTHWEST ON HIGHWAY 183 FOR 1.05
ED3312'MILES TO THE JUNCTION OF STATE ROAD 32 (SHADY GROVE ROAD), CONTINUE
ED3312'ON HIGHWAY 183 FOR 1.05 MILE TO THE JUNCTION OF ALLGOOD FARM ROAD AND
ED3312'THE STATION IN THE SOUTHWEST ANGLE.

ED3312'STATION IS A CONCRETE POST FLUSH WITH THE GROUND AND LEVEL WITH THE
ED3312'HIGHWAY, 27.2 FEET SOUTH OF THE CENTER OF THE HIGHWAY, 38.0 FEET WEST
ED3312'NORTHWEST OF THE CENTER OF THE ROAD, 71.2 FEET NORTHWEST OF A POWER
ED3312'POLE WITH GUY WIRE, 117.3 FEET EAST OF THE SOUTHEAST CORNER OF THE
ED3312'TWELVE MILE RIVER BRIDGE (HIGHWAY 183), 6.0 FEET NORTH OF A WITNESS
ED3312'POST.

ED3312'DESCRIBED BY D.L. FERGUSON.

ED3312

ED3312 STATION RECOVERY (1991)

ED3312

ED3312'RECOVERY NOTE BY SOUTH CAROLINA GEODETIC SURVEY 1991

ED3312'RECOVERED IN GOOD CONDITION.

ED3312

ED3312 STATION RECOVERY (1991)

ED3312

ED3312'RECOVERY NOTE BY SOUTH CAROLINA GEODETIC SURVEY 1991 (DDW)

ED3312'RECOVERED AS DESCRIBED IN L252471.

ED3312

ED3312 STATION RECOVERY (1992)

ED3312

ED3312'RECOVERED 1992

ED3312'RECOVERED IN GOOD CONDITION.

ED3312

ED3312 STATION RECOVERY (2012)

ED3312

ED3312'RECOVERY NOTE BY SOUTH CAROLINA GEODETIC SURVEY 2012 (DDW)

ED3312'STATION IS LOCATED 6.5 MI (10.5 KM) NORTHEAST OF SIX MILE, 6.4 MI
ED3312'(10.3 KM) EAST-SOUTHEAST OF NINE TIMES, 2.1 MI (3.4 KM) WEST-SOUTHWEST
ED3312'OF PICKENS. OWNERSHIP--SCDOT, DIRECTOR OF PRECONSTRUCTION, P.O. BOX
ED3312'191, COLUMBIA, SC 29202, PHONE 803-737-1350. TO REACH THE STATION FROM
ED3312'THE JUNCTION OF U.S. HIGHWAY 178 (ANN STREET) AND STATE HIGHWAY 183
ED3312'(WEST MAIN STREET) IN PICKENS, GO WEST ON HIGHWAY 183 FOR 2.1 MI (3.4
ED3312'KM) TO THE STATION ON THE LEFT BEHIND A METAL GUARDRAIL IN THE
ED3312'SOUTHWEST ANGLE OF THE JUNCTION OF ALLGOOD FARM ROAD. STATION IS A
ED3312'CONCRETE POST RECESSED 0.3 FT (9 CM) AND 0.5 FT (15 CM) BELOW THE
ED3312'HIGHWAY, 7.5 FT (2.3 M) NORTHWEST OF A METAL ROAD NAMES SIGN POST, 3.2
ED3312'FT (1.0 M) SOUTHWEST OF THE SOUTHWEST FACE OF THE METAL GUARDRAIL,
ED3312'27.2 FT (8.3 M) SOUTH OF THE CENTER OF THE HIGHWAY, 38.0 FT (11.6 M)
ED3312'WEST-NORTHWEST OF THE CENTER OF THE ROAD, 3.4 FT (1.0 M) NORTHEAST OF
ED3312'A WITNESS POST. RECOVERED BY T. HALL.

*** retrieval complete.

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