

The NGS Data Sheet

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

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PROGRAM = datasheet95, VERSION = 8.12.3
1      National Geodetic Survey, Retrieval Date = NOVEMBER 3, 2017
DH5616 *****
DH5616 DESIGNATION - LEON N GPS
DH5616 PID - DH5616
DH5616 STATE/COUNTY- WI/WAUSHARA
DH5616 COUNTRY - US
DH5616 USGS QUAD - SAXEVILLE (1982)
DH5616
DH5616 *CURRENT SURVEY CONTROL
DH5616
DH5616* NAD 83(2011) POSITION- 44 07 49.63424(N) 089 05 34.89539(W) ADJUSTED
DH5616* NAD 83(2011) ELLIP HT- 214.231 (meters) (06/27/12) ADJUSTED
DH5616* NAD 83(2011) EPOCH - 2010.00
DH5616* NAVD 88 ORTHO HEIGHT - 250.639 (meters) 822.30 (feet) ADJUSTED
DH5616
DH5616 GEOID HEIGHT - -36.417 (meters) GEOID12B
DH5616 NAD 83(2011) X - 72,584.714 (meters) COMP
DH5616 NAD 83(2011) Y - -4,584,974.541 (meters) COMP
DH5616 NAD 83(2011) Z - 4,418,656.281 (meters) COMP
DH5616 LAPLACE CORR - -1.54 (seconds) DEFLEC12B
DH5616 DYNAMIC HEIGHT - 250.589 (meters) 822.14 (feet) COMP
DH5616 MODELED GRAVITY - 980,414.4 (mgal) NAVD 88
DH5616
DH5616 VERT ORDER - SECOND CLASS I
DH5616
DH5616 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
DH5616 Standards:
DH5616 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
DH5616 Horiz Ellip SD_N SD_E SD_h (unitless)
DH5616 -----
DH5616 NETWORK 0.24 0.33 0.11 0.08 0.17 0.11279237
DH5616 -----
DH5616 Click here for local accuracies and other accuracy information.
DH5616
DH5616
DH5616.The horizontal coordinates were established by GPS observations
DH5616.and adjusted by the National Geodetic Survey in June 2012.
DH5616
DH5616.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
DH5616.been affixed to the stable North American tectonic plate. See
DH5616.NA2011 for more information.
DH5616
DH5616.The horizontal coordinates are valid at the epoch date displayed above
DH5616.which is a decimal equivalence of Year/Month/Day.
DH5616
DH5616.The orthometric height was determined by differential leveling and
DH5616.adjusted by the WI DEPT OF TRANSP
DH5616.in May 2012.
DH5616
DH5616.Significant digits in the geoid height do not necessarily reflect accuracy.
DH5616.GEOID12B height accuracy estimate available here.
DH5616
DH5616.Photographs are available for this station.
DH5616
DH5616.The X, Y, and Z were computed from the position and the ellipsoidal ht.
DH5616
DH5616.The Laplace correction was computed from DEFLEC12B derived deflections.
DH5616
DH5616.The ellipsoidal height was determined by GPS observations
DH5616.and is referenced to NAD 83.
DH5616
DH5616.The dynamic height is computed by dividing the NAVD 88
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DH5616.geopotential number by the normal gravity value computed on the
DH5616.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DH5616.degrees latitude (g = 980.6199 gals.).
DH5616
DH5616.The modeled gravity was interpolated from observed gravity values.
DH5616
DH5616. The following values were computed from the NAD 83(2011) position.
DH5616
DH5616;

	North	East	Units	Scale	Factor	Converg.
DH5616;SPC WI S	- 237,077.025	672,584.867	MT	1.00001358	+0 37	23.5
DH5616;SPC WI S	- 777,810.21	2,206,638.85	sFT	1.00001358	+0 37	23.5
DH5616;UTM 16	- 4,888,492.202	332,560.389	MT	0.99994482	-1 27	27.7

DH5616
DH5616!

DH5616!SPC WI S	- Elev Factor	x	Scale Factor	=	Combined Factor
DH5616!SPC WI S	- 0.99996641	x	1.00001358	=	0.99997999
DH5616!UTM 16	- 0.99996641	x	0.99994482	=	0.99991123

DH5616
DH5616 U.S. NATIONAL GRID SPATIAL ADDRESS: 16TCP3256088492 (NAD 83)
DH5616
DH5616
DH5616 SUPERSEDED SURVEY CONTROL
DH5616
DH5616

DH5616	NAD 83(2007)-	44 07 49.63430 (N)	089 05 34.89619 (W)	AD(2002.00)	0
DH5616	ELLIP H (02/10/07)	214.268 (m)		GP(2002.00)	
DH5616	NAD 83(1997)-	44 07 49.63438 (N)	089 05 34.89649 (W)	AD()	1
DH5616	ELLIP H (08/01/05)	214.270 (m)		GP()	2 1
DH5616	NAVD 88	250.62 (m)	822.2	(f) LEVELING	3
DH5616	NAVD 88 (04/20/07)	250.615 (m)	822.23	(f) SUPERSEDED	2 1

DH5616
DH5616.Superseded values are not recommended for survey control.
DH5616
DH5616.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
DH5616.See file [dsdata.pdf](#) to determine how the superseded data were derived.
DH5616
DH5616 MARKER: DD = SURVEY DISK
DH5616_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
DH5616_STAMPING: LEON N GPS
DH5616_MARK LOGO: WIDT
DH5616_PROJECTION: FLUSH
DH5616_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT
DH5616_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
DH5616_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DH5616+SATELLITE: SATELLITE OBSERVATIONS - November 28, 2007
DH5616

DH5616	HISTORY	- Date	Condition	Report By
DH5616	HISTORY	- UNK	MONUMENTED	WI-137
DH5616	HISTORY	- 20030819	GOOD	WIDT
DH5616	HISTORY	- 20051228	GOOD	WIDT
DH5616	HISTORY	- 20071128	GOOD	WIDT

DH5616
DH5616
DH5616 STATION DESCRIPTION
DH5616
DH5616'DESCRIBED BY WI DEPT OF TRANSP 2003 (DJH)
DH5616'OWNERSHIP--TOWN OF LEON. TO REACH THE STATION FROM THE JUNCTION OF
DH5616'COUNTY HIGHWAY E WITH COUNTY HIGHWAY H ABOUT 4 MI WEST OF THE TOWN OF
DH5616'POY SIPPI, GO SOUTH ON COUNTY HIGHWAY E FOR 0.7 MI TO BEECHNUT LANE
DH5616'ON THE RIGHT, TURN RIGHT AND GO WEST ON BEECHNUT LANE FOR 1.2 MI TO
DH5616'26TH LANE, CONTINUE WEST ON BEECHNUT LANE FOR 0.05 MI TO THE STATION
DH5616'ON THE LEFT. THE STATION IS A BRONZE WISCONSIN DEPARTMENT OF
DH5616'TRANSPORTATION GEODETIC CONTROL MARKER DISK SET IN THE TOP OF A 45-CM
DH5616'DIAMETER CONCRETE POST ABOUT 0.2 M ABOVE THE ROAD PAVEMENT. THE
DH5616'STATION IS 7.0 M SOUTH OF THE CENTERLINE OF BEECHNUT LANE, 58.6 M
DH5616'WEST OF THE CENTERLINE OF 26TH LANE, 0.3 M NORTH OF A WHITE PLASTIC
DH5616'WITNESS POST AND 1.0 M SOUTH, NORTHEAST, NORTHWEST OF THREE ORANGE 4X4
DH5616'PLASTIC WITNESS POSTS. ---NOTE---THIS STATION HAS NO VISIBLE
DH5616'OBSTRUCTIONS EXTENDING HIGHER THAN 20 DEGREES ABOVE THE HORIZON.
DH5616
DH5616
DH5616 STATION RECOVERY (2005)
DH5616
DH5616
DH5616'RECOVERY NOTE BY WI DEPT OF TRANSP 2005 (PJH)
DH5616'RECOVERED AS DESCRIBED.
DH5616

DH5616

STATION RECOVERY (2007)

DH5616

DH5616'RECOVERY NOTE BY WI DEPT OF TRANSP 2007 (DRB)

DH5616'RECOVERED IN GOOD CONDITION. ADD-- THE STATION IS 67.5 M WEST OF THE
DH5616'CENTERLINE OF 26TH LANE AND 46.0 M WEST OF A --STOP-- SIGN WOOD POST.

*** retrieval complete.

Elapsed Time = 00:00:03

Inverse Results

From	To	Geodetic Azimuth	Ellipsoid Distance (Meter)	Grid Azimuth	Grid Distance (Meter)	Ground Distance (Meter)	Δ Elevation (Meter)
DH5616 NAD83(2011) Epoch 2010_DS	DH5616	71°29'51"	0.008	70°52'27"	0.008	0.008	-0.011

