

# The NGS Data Sheet

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

DATABASE = NGSIDB , PROGRAM = datasheet95, VERSION = 7.88.3

1 National Geodetic Survey, Retrieval Date = JUNE 7, 2012

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AH5304 *****
AH5304 DESIGNATION - 908 7068 H
AH5304 PID - AH5304
AH5304 STATE/COUNTY- WI/KEWAUNEE
AH5304 COUNTRY - US
AH5304 USGS QUAD - KEWAUNEE (1978)
AH5304
AH5304 *CURRENT SURVEY CONTROL
AH5304
AH5304* NAD 83(2007) POSITION- 44 27 49.40794(N) 087 30 08.74956(W) ADJUSTED
AH5304* NAD 83(2007) ELLIP HT- 141.290 (meters) (08/23/11) ADJUSTED
AH5304* NAD 83(2007) EPOCH - 2002.00
AH5304* NAVD 88 ORTHO HEIGHT - 177.601 (meters) 582.68 (feet) ADJUSTED
AH5304
AH5304 NAD 83(2007) X - 198,695.190 (meters) COMP
AH5304 NAD 83(2007) Y - -4,555,302.207 (meters) COMP
AH5304 NAD 83(2007) Z - 4,445,111.149 (meters) COMP
AH5304 LAPLACE CORR - -0.59 (seconds) DEFLEC09
AH5304 GEOID HEIGHT - -36.18 (meters) GEOID09
AH5304 DYNAMIC HEIGHT - 177.580 (meters) 582.61 (feet) COMP
AH5304 MODELED GRAVITY - 980,497.0 (mgal) NAVD 88
AH5304
AH5304 VERT ORDER - SECOND CLASS I
AH5304 ELLP ORDER - FIRST CLASS II
AH5304
AH5304 FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
AH5304 Type Horiz Ellip Dist(km)
AH5304 -----
AH5304 NETWORK 0.70 1.45
AH5304 -----
AH5304 MEDIAN LOCAL ACCURACY AND DIST (018 points) 0.78 1.55 101.74
AH5304 -----
AH5304 NOTE: Click here for information on individual local accuracy
AH5304 values and other accuracy information.
AH5304
AH5304
AH5304.The horizontal coordinates were established by GPS observations
AH5304.and adjusted by the National Geodetic Survey in February 2007.
AH5304
AH5304.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
AH5304.See www.ngs.noaa.gov/web/surveys/NSRS2007 for more information.
AH5304
AH5304.The horizontal coordinates are valid at the epoch date displayed above
AH5304.which is a decimal equivalence of Year/Month/Day.
AH5304
AH5304.The orthometric height was determined by differential leveling and

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AH5304.adjusted by the WISCONSIN DEPARTMENT OF TRANSPORTATION

AH5304.in May 2012.

AH5304

AH5304.WARNING-GPS observations at this control monument resulted in a GPS  
AH5304.derived orthometric height which differed from the leveled height by  
AH5304.more than one decimeter (0.1 meter).

AH5304

AH5304.The X, Y, and Z were computed from the position and the ellipsoidal ht.

AH5304

AH5304.The Laplace correction was computed from DEFLEC09 derived deflections.

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AH5304.The ellipsoidal height was determined by GPS observations

AH5304.and is referenced to NAD 83.

AH5304

AH5304.The dynamic height is computed by dividing the NAVD 88

AH5304.geopotential number by the normal gravity value computed on the

AH5304.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AH5304.degrees latitude (g = 980.6199 gals.).

AH5304

AH5304.The modeled gravity was interpolated from observed gravity values.

AH5304

AH5304. The following values were computed from the NAD 83(2007) position.

AH5304

AH5304;		North	East	Units	Scale Factor	Converg.
AH5304;SPC WI C	-	73,103.953	798,715.734	MT	0.99996646	+1 45 44.0
AH5304;SPC WI C	-	239,841.89	2,620,453.20	sFT	0.99996646	+1 45 44.0
AH5304;UTM 16	-	4,923,502.537	460,033.143	MT	0.99961964	-0 21 07.0

AH5304

AH5304! - Elev Factor x Scale Factor = Combined Factor

AH5304!SPC WI C - 0.99997785 x 0.99996646 = 0.99994431

AH5304!UTM 16 - 0.99997785 x 0.99961964 = 0.99959750

AH5304

AH5304 SUPERSEDED SURVEY CONTROL

AH5304

AH5304	ELLIP H (02/10/07)	141.321	(m)		GP( )	
AH5304	NAD 83(1997)-	44 27 49.40804(N)		087 30 08.74999(W)	AD( )	A
AH5304	ELLIP H (04/28/99)	141.316	(m)		GP( )	3 1
AH5304	NAVD 88 (08/23/11)	177.5	(m)	GEOID09 model used	GPS OBS	
AH5304	NAVD 88 (10/11/07)	177.6	(m)	GEOID03 model used	GPS OBS	
AH5304	NAVD 88 (04/28/99)	177.5	(m)	GEOID96 model used	GPS OBS	

AH5304

AH5304.Superseded values are not recommended for survey control.

AH5304.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AH5304.See file dsdata.txt to determine how the superseded data were derived.

AH5304

AH5304\_U.S. NATIONAL GRID SPATIAL ADDRESS: 16TDQ6003323502(NAD 83)

AH5304

AH5304\_MARKER: F = FLANGE-ENCASED ROD

AH5304\_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)

AH5304\_STAMPING: 7068 H 1997

AH5304\_MARK LOGO: NGS

AH5304\_PROJECTION: PROJECTING 1 CENTIMETERS

AH5304\_MAGNETIC: N = NO MAGNETIC MATERIAL

AH5304\_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AH5304\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AH5304+SATELLITE: SATELLITE OBSERVATIONS - July 11, 2010

AH5304\_ROD/PIPE-DEPTH: 14.6 meters

AH5304\_SLEEVE-DEPTH : 1.2 meters

AH5304

AH5304	HISTORY	- Date	Condition	Report By
AH5304	HISTORY	- 1997	MONUMENTED	NOS
AH5304	HISTORY	- 19971203	GOOD	NGS
AH5304	HISTORY	- 20021217	GOOD	USPSQD
AH5304	HISTORY	- 20040304	GOOD	USPSQD
AH5304	HISTORY	- 2005	POOR	NGS
AH5304	HISTORY	- 20050306	GOOD	USPSQD
AH5304	HISTORY	- 20050719	POOR	WIDT
AH5304	HISTORY	- 20081002	GOOD	WIDT
AH5304	HISTORY	- 20100711	GOOD	NGS

AH5304

AH5304

AH5304

STATION DESCRIPTION

AH5304'DESCRIBED BY NATIONAL GEODETIC SURVEY 1997 (CSM)

AH5304'THE STATION IS LOCATED IN KEWAUNEE AT THE KEWAUNEE MARINA ON THE EAST  
 AH5304'SIDE OF STATE HIGHWAY 42, NORTH OF THE DOCKS IN A GRASSY AREA BETWEEN  
 AH5304'THE DOCKS AND THE PARKING LOT AND JUST WEST OF A PAVED WALKWAY LEADING  
 AH5304'FROM THE PARKING LOT TO THE DOCKS. OWNERSHIP--CITY OF KEWAUNEE, CITY  
 AH5304'HALL, 413 MILWAUKEE STREET, KEWAUNEE, WI 54216. CONTACT FRANK BERNARD,  
 AH5304'PRESIDENT, KEWAUNEE-ALGOMA MARINA, PRIOR TO STATION OCCUPATION. PHONE  
 AH5304'920-388-4550. TO REACH THE STATION FROM THE JUNCTION OF STATE  
 AH5304'HIGHWAYS 42 AND 29 IN KEWAUNEE, GO NORTH ON STATE HIGHWAY 42 FOR 0.5  
 AH5304'MI, (0.8 KM) CROSSING THE BRIDGE OVER THE KEWAUNEE RIVER TO THE  
 AH5304'JUNCTION WITH A PAVED CROSS STREET. TURN RIGHT AND GO EAST ON  
 AH5304'PETERSON STREET, THEN SOUTH ON NORTH MAIN STREET FOR 0.15 MI (0.24 KM)  
 AH5304'TO THE PARKING LOT FOR THE MARINA ON THE RIGHT. TURN RIGHT AND GO WEST  
 AH5304'ACROSS THE PARKING LOT FOR 0.05 MI (0.08 KM) TO THE SECOND OF THREE  
 AH5304'PAVED WALKWAYS LEADING FROM THE PARKING LOT TO THE DOCKS AND TO THE  
 AH5304'STATION ON THE LEFT. THE MARK IS A CENTERPUNCH IN THE TOP OF A  
 AH5304'STAINLESS STEEL RECESSED 5 CM BELOW GROUND LEVEL. IT IS, 202.2 FT  
 AH5304'(61.6 M) EAST-SOUTHEAST OF THE EAST FACE OF THE SECOND BRIDGE PIER  
 AH5304'NORTH OF THE RIVER, 81.2 FT (24.7 M) EAST-NORTHEAST OF A FIRE HYDRANT,  
 AH5304'72.3 FT (22.0 M) NORTH-NORTHEAST OF THE SOUTH FACE OF A WOODEN  
 AH5304'SIDEWALK AT THE RIVERS EDGE, 13.0 FT (4.0 M) WEST OF THE CENTER OF THE  
 AH5304'PAVED WALKWAY, 8.7 FT (2.7 M) SOUTHEAST OF A 2.2 FT (0.7 M) TALL  
 AH5304'WOODEN POST WITH A METAL WITNESS SIGN ATTACHED AND 8.0 FT (2.4 M)  
 AH5304'SOUTH OF THE SOUTH EDGE OF THE PARKING LOT. NOTE--ACCESS TO STATION  
 AH5304'IS THROUGH A 5-INCH LOGO CAP SET FLUSH WITH GROUND LEVEL. DESCRIBED BY  
 AH5304'V.C. PICZAK.

AH5304

AH5304

STATION RECOVERY (2002)

AH5304

AH5304'RECOVERY NOTE BY US POWER SQUADRON 2002 (DRB)

AH5304'RECOVERED IN GOOD CONDITION.

AH5304

AH5304

STATION RECOVERY (2004)

AH5304

AH5304'RECOVERY NOTE BY US POWER SQUADRON 2004 (CLB)

AH5304'RECOVERED IN GOOD CONDITION.

AH5304

AH5304

STATION RECOVERY (2005)

AH5304

AH5304'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 2005 (DAC)

AH5304'RECOVERED AS DESCRIBED. APPARENT SETTLEMENT OF SURROUNDING GROUND

AH5304'RESULTS IN THE TOP OF ROD PROJECTING ABOVE THE LOGO COVER. ROD

AH5304'APPEARS TO BE UNDAMAGED SO FAR BUT AT RISK OF DISTURBANCE BY LAWN  
AH5304'MOWING EQUIPMENT.

AH5304

AH5304 STATION RECOVERY (2005)

AH5304

AH5304'RECOVERY NOTE BY US POWER SQUADRON 2005 (JCH)

AH5304'RECOVERED IN GOOD CONDITION.

AH5304

AH5304 STATION RECOVERY (2005)

AH5304

AH5304'RECOVERY NOTE BY WI DEPT OF TRANSP 2005 (CAK)

AH5304'RECOVERED IN POOR CONDITION. ADD- THE STATION IS 0.3 M SOUTHEAST OF  
AH5304'AN ORANGE FIBERGLASS WITNESS POST, THE STATION'S ROD NOW PROJECTS 2 CM  
AH5304'ABOVE CASING PROHIBITING COVER FROM CLOSING TIGHTLY, COVER NOW RESTS  
AH5304'ON THE ROD, AND EXCESSIVE WEAR SCRAPES ARE VISIBLE ON THE ROD. IT IS  
AH5304'UNCLEAR WHETHER THE ROD HAS HEAVED OR IF THE ADJACENT GROUND ALONG  
AH5304'WITH THE CASING HAS SETTLED.

AH5304

AH5304 STATION RECOVERY (2008)

AH5304

AH5304'RECOVERY NOTE BY WI DEPT OF TRANSP 2008 (EPS)

AH5304'RECOVERED AS DESCRIBED.

AH5304

AH5304 STATION RECOVERY (2010)

AH5304

AH5304'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 2010 (JDR)

AH5304'RECOVERED AS DESCRIBED.

\*\*\* retrieval complete.

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