



**OWEN,  
LITTLE  
& ASSOCIATES  
INC.**

Engineers  
Planners  
Surveyors  
GIS Specialists

Frank J. Little, Jr., P.E., P.P., C.M.E.  
Douglas E. Klee, P.E., P.P., C.M.E.  
William J. Berg, P.L.S.

October 10, 2022

**Beverly Tromm  
Borough of Beach Haven  
300 Engleside Avenue  
Beach Haven, NJ 08008**

**Re: Flood Data Maintenance  
Elevation Reference Marks  
Beach Haven, Ocean County**

Dear Mrs. Tromm:

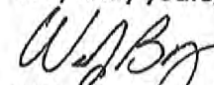
Enclosed please find three (3) copies of the updated Master List for the Elevation Reference Marks for the Borough of Beach Haven along with the most current NGS Data Sheets for the monuments and revised Coastal Zone Planning and Regulatory Floodplain Map. We have also added photographs of the Reference Bench Marks. They are attached to the enclosed Data Sheets.

As part of our ongoing Bench Mark Maintenance Program and in accordance with the Section 442.C of the CRS Manual, we will be conducting ongoing re-survey runs to verify the monuments elevation over time. All elevations will be based on Monument L-7. (PID JUO201). Monument L-7 meets all of the standards as described in the CRS Manual. It should be noted that all of the monuments with the Borough are also included in the NGS Network.

In accordance with the CRS Manual, the updated Master Index List should replace the current list on file in the Municipal Building and the Borough's Website.

I would respectfully request that you review the enclosed information and kindly give me a call should you have any questions.

Very truly yours,

  
William J. Berg, PLS

WJB:caa

Encl.

W:\PROJECTS\CLERICAL\BEACH HAVEN\FEMA\FLOOD DATA MAINTENANCE-TROMM-2022.DOC

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Beachwood, NJ 08722  
732-244-1090  
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info@owenlittle.com

FLOOD MITIGATION  
MASTER INDEX LIST  
BEACH HAVEN

P I D	DESIGNATION	APPROXIMATELY	APPROXIMATELY	NAVD 1988	REMARKS	RECOVERED
AC 7268	8204	N 39 34 33	W 074 13 52	2.77	Good Condition	10/05/2022
JU 0201	L7	N 39 34 01	W 074 14 09	6.64	Good Condition	10/05/2022
AC 7269	8205	N 39 33 59	W 074 14 03	7.44	Good Condition	10/05/2022
JU 0202	Beach Haven AZ MK 2	N 39 34 01	W 074 14 23	3.26	Good Condition	10/05/2022
JU 0203	Beach Haven 2 RM5	N 39 33 49	W 074 14 34	3.46	Good Condition	10/05/2022
JU 0205	Beach Haven 2	N 39 33 47	W 074 14 32	3.38	Good Condition	10/05/2022
JU 0211	St. James RM 4	N 39 32 50	W 074 15 12	4.43	Good Condition	10/05/2022
DR 6530	15 N 12	N 39 32 52	W 074 15 04	6.99	Good Condition	10/05/2022
DM 5214	15 Y 3	N 39 32 55	W 074 15 10	4.02	Good Condition	10/05/2022
DM 5212	15 W 3	N 39 33 35	W 074 14 44	3.96	Good Condition	10/05/2022
DR 6531	15 P 12	N 39 33 47	W 074 14 30	5.06	Good Condition	10/05/2022

Updated 2022

I certify that the above-described monuments were  
Found as described as shown above.



William J. Berg, NJPLS #24GS03622800



# The NGS Data Sheet

✓ Found JK EE  
10/5/2022

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 = OCTOBER 4, 2022  
 AC7268 \*\*\*\*\*  
 AC7268 DESIGNATION - 8204  
 AC7268 PID - AC7268  
 AC7268 STATE/COUNTY- NJ/OCEAN  
 AC7268 COUNTRY - US  
 AC7268 USGS QUAD - BEACH HAVEN (2019)  
 AC7268  
 AC7268 \*CURRENT SURVEY CONTROL  
 AC7268  
 AC7268\* NAD 83(1986) POSITION- 39 34 33.98 (N) 074 13 51.88 (W) HD\_HELD1  
 AC7268\* NAVD 88 ORTHO HEIGHT - 0.843 (meters) 2.77 (feet) ADJUSTED  
 AC7268  
 AC7268 GEOID HEIGHT - -33.777 (meters) GEOID18  
 AC7268 DYNAMIC HEIGHT - 0.842 (meters) 2.76 (feet) COMP  
 AC7268 MODELED GRAVITY - 980,138.6 (mgal) NAVD 88  
 AC7268  
 AC7268 VERT ORDER - FIRST CLASS I  
 AC7268  
 AC7268.The horizontal coordinates were determined by differentially corrected  
 AC7268.hand held GPS observations or other comparable positioning techniques  
 AC7268.and have an estimated accuracy of +/- 3 meters.  
 AC7268.  
 AC7268.The orthometric height was determined by differential leveling and  
 AC7268.adjusted by the NATIONAL GEODETIC SURVEY  
 AC7268.in April 1997.  
 AC7268  
 AC7268.Significant digits in the geoid height do not necessarily reflect accuracy.  
 AC7268.GEOID18 height accuracy estimate available [here](#).  
 AC7268  
 AC7268.Click [photographs](#) - Photos may exist for this station.  
 AC7268  
 AC7268.The dynamic height is computed by dividing the NAVD 88  
 AC7268.geopotential number by the normal gravity value computed on the  
 AC7268.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45  
 AC7268.degrees latitude (g = 980.6199 gals.).  
 AC7268  
 AC7268.The modeled gravity was interpolated from observed gravity values.  
 AC7268  
 AC7268;  
 AC7268; North East Units Estimated Accuracy  
 AC7268;SPC NJ - 82,488.4 173,103.4 MT (+/- 3 meters HH1 GPS)  
 AC7268  
 AC7268\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SWJ6603980993(NAD 83)  
 AC7268  
 AC7268 SUPERSEDED SURVEY CONTROL  
 AC7268  
 AC7268.No superseded survey control is available for this station.  
 AC7268  
 AC7268\_MARKER: DD = SURVEY DISK  
 AC7268\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT  
 AC7268\_STAMPING: 8204  
 AC7268\_MARK LOGO: NJGS  
 AC7268\_PROJECTION: RECESSED 1 CENTIMETERS  
 AC7268\_MAGNETIC: N = NO MAGNETIC MATERIAL  
 AC7268\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO  
 AC7268+STABILITY: SURFACE MOTION  
 AC7268\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR  
 AC7268+SATELLITE: SATELLITE OBSERVATIONS - March 13, 2019  
 AC7268  
 AC7268 HISTORY - Date Condition Report By  
 AC7268 HISTORY - 1940 MONUMENTED NJGS  
 AC7268 HISTORY - 19960723 GOOD NJGS  
 AC7268 HISTORY - 20060411 GOOD NJGS  
 AC7268 HISTORY - 20120619 GOOD DPKCON  
 AC7268 HISTORY - 20190313 GOOD NJGS  
 AC7268  
 AC7268 STATION DESCRIPTION  
 AC7268  
 AC7268'DESCRIBED BY NEW JERSEY GEODETIC SURVEY 1996 (ECB)  
 AC7268'THE STATION IS LOCATED IN LONG BEACH TOWNSHIP IN THE COMMUNITY OF  
 AC7268'NORTH BEACH HAVEN. TO REACH THE STATION FROM THE INTERSECTION OF 9TH  
 AC7268'STREET, THE EAST BOUND LANES OF STATE ROUTE 72 AND LONG BEACH  
 AC7268'BOULEVARD IN THE BOROUGH OF SHIP BOTTOM, GO SOUTHWEST ON LONG BEACH  
 AC7268'BOULEVARD FOR 5.9 MI (9.5 KM) TO THE STATION ON THE LEFT, SET FLUSH  
 AC7268'WITH THE GROUND AT THE SOUTHEAST CORNER OF THE JUNCTION OF 20TH STREET

10/4/22, 10:30 AM

DATASHEETS

AC7268' AND LONG BEACH BOULEVARD. THE STATION IS 15.8 FT (4.8 M) SOUTHEAST  
AC7268' FROM THE SOUTHEAST CURB OF LONG BEACH BOULEVARD, 3.3 FT (1.0 M)  
AC7268' NORTHEAST FROM THE NORTHEAST CURB OF 20TH STREET, 18.0 FT (5.5 M)  
AC7268' NORTHEAST FROM THE CENTERLINE OF 20TH STREET, 50.0 FT (15.2 M) EAST  
AC7268' FROM A POLE WITH NO NUMBER ON THE SOUTHWEST CORNER OF THE INTERSECTION  
AC7268' AND 16.0 FT (4.9 M) SOUTH SOUTHEAST FROM AN INLET CURB PIECE.

AC7268

STATION RECOVERY (2006)

AC7268

AC7268' RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2006 (RJK)

AC7268' RECOVERED AS DESCRIBED.

AC7268

STATION RECOVERY (2012)

AC7268

AC7268' RECOVERY NOTE BY DPK CONSULTING LLC 2012 (JW)

AC7268' RECOVERED AS DESCRIBED

AC7268

STATION RECOVERY (2019)

AC7268

AC7268' RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2019 (MJK)

AC7268' NOTE-CORRECTION FROM PREVIOUS OBSERVATIONS, THE STATION IS ON THE

AC7268' NORTHEAST CORNER OF THE INTERSECTION OF LONG BEACH BOULEVARD AND EAST

AC7268' 20TH STREET.

AC7268'

AC7268' ADDITIONAL TIES ARE 87.3 FT (26.6 M) SOUTH-SOUTHWEST OF UTILITY POLE

AC7268' NUMBERED P7919, 50 FT (15.2 M) NORTHEAST OF UTILITY POLE NUMBERED

AC7268' P7920.

\*\*\* retrieval complete.

Elapsed Time = 00:00:04







✓ FOUND 10/5/2022  
JK EE

# 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 = OCTOBER 4, 2022

JU0201 \*\*\*\*\*  
JU0201 DESIGNATION - L 7  
JU0201 PID - JU0201  
JU0201 STATE/COUNTY- NJ/OCEAN  
JU0201 COUNTRY - US  
JU0201 USGS QUAD - BEACH HAVEN (2019)

JU0201 \*CURRENT SURVEY CONTROL

JU0201\* NAD 83(1986) POSITION- 39 34 02.68 (N) 074 14 08.94 (W) HD\_HELD1  
JU0201\* [NAVD 88](#) ORTHO HEIGHT - 2.023 (meters) 6.64 (feet) ADJUSTED  
JU0201 GEOID HEIGHT - -33.807 (meters) GEOID18  
JU0201 DYNAMIC HEIGHT - 2.022 (meters) 6.63 (feet) COMP  
JU0201 MODELED GRAVITY - 980,136.9 (mgal) NAVD 88

JU0201 VERT ORDER - FIRST CLASS I

JU0201.The horizontal coordinates were determined by differentially corrected  
JU0201.hand held GPS observations or other comparable positioning techniques  
JU0201.and have an estimated accuracy of +/- 3 meters.

JU0201.The orthometric height was determined by differential leveling and  
JU0201.adjusted by the NATIONAL GEODETIC SURVEY  
JU0201.in May 2011.

JU0201.No vertical observational check was made to the station.

JU0201.Significant digits in the geoid height do not necessarily reflect accuracy.  
JU0201.GEOID18 height accuracy estimate available [here](#).

JU0201.Click [photographs](#) - Photos may exist for this station.

JU0201.The dynamic height is computed by dividing the NAVD 88  
JU0201.geopotential number by the normal gravity value computed on the  
JU0201.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45  
JU0201.degrees latitude (g = 980.6199 gals.).

JU0201.The modeled gravity was interpolated from observed gravity values.

JU0201;  
JU0201; SPC NJ - North East Units Estimated Accuracy  
81,522.0 172,699.1 MT (+/- 3 meters HH1 GPS)

JU0201\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SWJ6564080024(NAD 83)

JU0201 SUPERSEDED SURVEY CONTROL

JU0201 NAVD 88 (04/25/97) 2.026 (m) 6.65 (f) SUPERSEDED 1 1  
JU0201 NAVD 88 (06/15/91) 2.077 (m) 6.81 (f) SUPERSEDED 1 1  
JU0201 NGVD 29 (11/26/84) 2.459 (m) 8.07 (f) ADJUSTED 1 1

JU0201.Superseded values are not recommended for survey control.

JU0201.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JU0201.See file [dsdata.pdf](#) to determine how the superseded data were derived.

JU0201\_MARKER: DB = BENCH MARK DISK  
JU0201\_SETTING: 36 = SET IN A MASSIVE STRUCTURE  
JU0201\_SP\_SET: BRICK SCHOOL BUILDING  
JU0201\_STAMPING: L 7 1930 8.320  
JU0201\_MARK LOGO: CGS

JU0201\_MAGNETIC: N = NO MAGNETIC MATERIAL  
JU0201\_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL  
JU0201\_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR  
JU0201+SATELLITE: SATELLITE OBSERVATIONS - May 03, 2019

JU0201 HISTORY - Date Condition Report By  
JU0201 HISTORY - 1930 MONUMENTED CGS  
JU0201 HISTORY - 1964 GOOD CGS  
JU0201 HISTORY - 1988 GOOD USPSQD  
JU0201 HISTORY - 19960724 GOOD NJGS  
JU0201 HISTORY - 20060411 GOOD NJGS  
JU0201 HISTORY - 20100921 GOOD INDIV  
JU0201 HISTORY - 20160408 GOOD INDIV

JU0201 HISTORY - 20190503 GOOD NJGS  
JU0201  
JU0201 STATION DESCRIPTION  
JU0201  
JU0201'DESCRIBED BY COAST AND GEODETIC SURVEY 1964  
JU0201'AT BEACH HAVEN.  
JU0201'ON LONG BEACH ISLAND, AT BENCH HAVEN, 0.15 MILE NORTHEAST ALONG  
JU0201'BAY AVENUE FROM THE BEACH HAVEN POST OFFICE, BETWEEN 7TH STREET  
JU0201'AND 8TH STREET, SET VERTICALLY IN THE NORTHWEST FACE OF THE  
JU0201'BRICK WALL NEAR THE WEST CORNER OF THE BEACH HAVEN SCHOOL, 2.4  
JU0201'FEET NORTHEAST OF THE WEST CORNER OF THE BUILDING, 393.0 FEET  
JU0201'SOUTHEAST OF THE CENTER LINE OF BAY AVENUE AND ABOUT 1 FOOT  
JU0201'ABOVE THE LEVEL OF 7TH STREET.  
JU0201  
JU0201 STATION RECOVERY (1988)  
JU0201  
JU0201'RECOVERY NOTE BY US POWER SQUADRON 1988 (CWK)  
JU0201'RECOVERED IN GOOD CONDITION.  
JU0201  
JU0201 STATION RECOVERY (1996)  
JU0201  
JU0201'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 1996 (RJK)  
JU0201'RECOVERED AS DESCRIBED WITH THE FOLLOWING CHANGES. THE STATION IS  
JU0201'LOCATED IN LONG BEACH TOWNSHIP IN THE BOROUGH OF BEACH HAVEN. TO  
JU0201'REACH THE STATION FROM THE INTERSECTION OF 9TH STREET, THE EASTBOUND  
JU0201'LANES OF STATE ROUTE 72 AND LONG BEACH BOULEVARD IN THE BOROUGH OF  
JU0201'SHIP BOTTOM, GO 6.6 MI (10.6 KM) SOUTHWEST ON LONG BEACH BOULEVARD TO  
JU0201'THE INTERSECTION WITH SEVENTH STREET. TURN LEFT AND GO SOUTHEAST ON  
JU0201'SEVENTH STREET FOR 0.1 MI (0.2 KM) TO THE BEACH HAVEN SCHOOL AND THE  
JU0201'STATION ON THE LEFT, SET VERTICALLY AT THE WEST CORNER OF THE  
JU0201'NORTHWEST FACE OF THE BRICK WALL OF THE ORIGINAL BUILDING OF THE BEACH  
JU0201'HAVEN SCHOOL. THE STATION IS OPPOSITE AND ACROSS LONG BEACH BOULEVARD  
JU0201'FROM THE FANTASY ISLAND AMUSEMENT PARK AND IS ABOUT 2 FT (0.6 M) ABOVE  
JU0201'THE GROUND.  
JU0201  
JU0201 STATION RECOVERY (2006)  
JU0201  
JU0201'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2006 (RJK)  
JU0201'RECOVERED AS DESCRIBED.  
JU0201  
JU0201 STATION RECOVERY (2010)  
JU0201  
JU0201'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2010 (EE)  
JU0201'RECOVERED AS DESCRIBED  
JU0201  
JU0201 STATION RECOVERY (2016)  
JU0201  
JU0201'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2016 (EE)  
JU0201'RECOVERED AS DESCRIBED  
JU0201  
JU0201 STATION RECOVERY (2019)  
JU0201  
JU0201'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2019 (RJK)  
JU0201'RECOVERED AS DESCRIBED.

\*\*\* retrieval complete.  
Elapsed Time = 00:00:04







# The NGS Data Sheet

✓ FOUND  
JK EE  
10/5/2022

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 = OCTOBER 4, 2022

AC7269 \*\*\*\*\*

AC7269 DESIGNATION - 8205

AC7269 PID - AC7269

AC7269 STATE/COUNTY- NJ/OCEAN

AC7269 COUNTRY - US

AC7269 USGS QUAD - BEACH HAVEN (2019)

AC7269

\*CURRENT SURVEY CONTROL

AC7269

AC7269\* NAD 83(1986) POSITION- 39 33 59.38 (N) 074 14 02.78 (W) HD\_HELD1

AC7269\* NAVD 88 ORTHO HEIGHT - 2.268 (meters) 7.44 (feet) ADJUSTED

AC7269

AC7269 GEOID HEIGHT - -33.813 (meters) GEOID18

AC7269 DYNAMIC HEIGHT - 2.267 (meters) 7.44 (feet) COMP

AC7269 MODELED GRAVITY - 980,136.6 (mgal) NAVD 88

AC7269

AC7269 VERT ORDER - FIRST CLASS I

AC7269

AC7269.The horizontal coordinates were determined by differentially corrected

AC7269.hand held GPS observations or other comparable positioning techniques

AC7269.and have an estimated accuracy of +/- 3 meters.

AC7269.

AC7269.The orthometric height was determined by differential leveling and

AC7269.adjusted by the NATIONAL GEODETIC SURVEY

AC7269.in April 1997.

AC7269

AC7269.Significant digits in the geoid height do not necessarily reflect accuracy.

AC7269.GEOID18 height accuracy estimate available [here](#).

AC7269

AC7269.Click [photographs](#) - Photos may exist for this station.

AC7269

AC7269.The dynamic height is computed by dividing the NAVD 88

AC7269.geopotential number by the normal gravity value computed on the

AC7269.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AC7269.degrees latitude (g = 980.6199 gals.).

AC7269

AC7269.The modeled gravity was interpolated from observed gravity values.

AC7269

AC7269;	North	East	Units	Estimated Accuracy
AC7269;SPC NJ	- 81,420.7	172,846.4	MT	(+/- 3 meters HH1 GPS)

AC7269

AC7269\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SWJ6578879924(NAD 83)

AC7269

SUPERSEDED SURVEY CONTROL

AC7269

AC7269.No superseded survey control is available for this station.

AC7269

AC7269\_MARKER: DD = SURVEY DISK

AC7269\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AC7269\_STAMPING: 8205

AC7269\_MARK LOGO: NJGS

AC7269\_PROJECTION: FLUSH

AC7269\_MAGNETIC: N = NO MAGNETIC MATERIAL

AC7269\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AC7269+STABILITY: SURFACE MOTION

AC7269\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AC7269+SATELLITE: SATELLITE OBSERVATIONS - May 03, 2019

AC7269

AC7269 HISTORY	- Date	Condition	Report By
AC7269 HISTORY	- UNK	MONUMENTED	NJGS
AC7269 HISTORY	- 19960724	GOOD	NJGS
AC7269 HISTORY	- 20060411	GOOD	NJGS
AC7269 HISTORY	- 20190503	GOOD	NJGS

AC7269

AC7269

AC7269

AC7269

AC7269

STATION DESCRIPTION

AC7269

AC7269'DESCRIBED BY NEW JERSEY GEODETIC SURVEY 1996 (RJK)

AC7269'THE STATION IS LOCATED IN LONG BEACH TOWNSHIP IN THE BOROUGH OF BEACH

AC7269'HAVEN. TO REACH THE STATION FROM THE INTERSECTION OF 9TH STREET, THE

AC7269'EASTBOUND LANES OF STATE ROUTE 72 AND LONG BEACH BOULEVARD IN THE

AC7269'BOROUGH OF SHIP BOTTOM, GO SOUTHWEST ON LONG BEACH BOULEVARD FOR 6.6

AC7269'MI (10.6 KM) TO THE INTERSECTION WITH SEVENTH STREET. TURN LEFT AND

AC7269'GO SOUTHEAST ON SEVENTH STREET FOR 0.2 MI (0.3 KM) TO THE STATION ON

AC7269'THE LEFT, SET FLUSH WITH THE GROUND ON THE NORTH CORNER OF THE

10/4/22, 10:33 AM

DATASHEETS

AC7269' INTERSECTION OF ATLANTIC AVENUE AND SEVENTH STREET. THE STATION IS  
AC7269' 3.0 FT (0.9 M) NORTHEAST FROM THE NORTHEAST CURB OF SEVENTH STREET,  
AC7269' 7.0 FT (2.1 M) NORTHWEST FROM THE NORTHWEST CURB OF ATLANTIC AVENUE,  
AC7269' 10.0 FT (3.0 M) WEST FROM A FIRE HYDRANT AND 29.0 FT (8.8 M) SOUTH  
AC7269' FROM THE SOUTH CORNER OF HOUSE NUMBER 101 ON SEVENTH STREET.

AC7269

STATION RECOVERY (2006)

AC7269

AC7269

AC7269' RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2006 (RJK)

AC7269' RECOVERED AS DESCRIBED.

AC7269

AC7269

STATION RECOVERY (2019)

AC7269

AC7269' RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2019 (RJK)

AC7269' RECOVERED AS DESCRIBED.

\*\*\* retrieval complete.  
Elapsed Time = 00:00:04







# The NGS Data Sheet

✓ FOUND JK EE  
10/5/2022

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 = OCTOBER 4, 2022

JU0202 \*\*\*\*\*  
 JU0202 DESIGNATION - BEACH HAVEN AZ MK 2  
 JU0202 PID - JU0202  
 JU0202 STATE/COUNTY- NJ/OCEAN  
 JU0202 COUNTRY - US  
 JU0202 USGS QUAD - BEACH HAVEN (2019)

JU0202 \*CURRENT SURVEY CONTROL

JU0202*	NAD 83(1986) POSITION-	39 34 01.39 (N) 074 14 22.58 (W)	HD_HELD1
JU0202*	NAVD 88 ORTHO HEIGHT -	0.993 (meters)	3.26 (feet) ADJUSTED
JU0202	GEOID HEIGHT -	-33.802 (meters)	GEOID18
JU0202	DYNAMIC HEIGHT -	0.992 (meters)	3.25 (feet) COMP
JU0202	MODELED GRAVITY -	980,136.3 (mgal)	NAVD 88

JU0202 VERT ORDER - FIRST CLASS I

JU0202.The horizontal coordinates were determined by differentially corrected  
 JU0202.hand held GPS observations or other comparable positioning techniques  
 JU0202.and have an estimated accuracy of +/- 3 meters.

JU0202.The orthometric height was determined by differential leveling and  
 JU0202.adjusted by the NATIONAL GEODETIC SURVEY  
 JU0202.in April 1997.

JU0202.Significant digits in the geoid height do not necessarily reflect accuracy.  
 JU0202.GEOID18 height accuracy estimate available [here](#).

JU0202.Click [photographs](#) - Photos may exist for this station.

JU0202.The dynamic height is computed by dividing the NAVD 88  
 JU0202.geopotential number by the normal gravity value computed on the  
 JU0202.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45  
 JU0202.degrees latitude (g = 980.6199 gals.).

JU0202.The modeled gravity was interpolated from observed gravity values.

	North	East	Units	Estimated Accuracy
JU0202; SPC NJ	81,481.3	172,373.7	MT	(+/- 3 meters HH1 GPS)

JU0202\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SWJ6531579982(NAD 83)

JU0202 SUPERSEDED SURVEY CONTROL

JU0202	NAVD 88 (06/15/91)	1.067 (m)	3.50 (f)	SUPERSEDED	1 1
JU0202	NGVD 29 (11/26/84)	1.449 (m)	4.75 (f)	ADJUSTED	1 1

JU0202.Superseded values are not recommended for survey control.

JU0202.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.  
 JU0202.See file [dsdata.pdf](#) to determine how the superseded data were derived.

JU0202\_MARKER: DZ = AZIMUTH MARK DISK  
 JU0202\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT  
 JU0202\_STAMPING: BEACH HAVEN 2 1962  
 JU0202\_MARK LOGO: CGS  
 JU0202\_PROJECTION: RECESSED 5 CENTIMETERS  
 JU0202\_MAGNETIC: N = NO MAGNETIC MATERIAL  
 JU0202\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO  
 JU0202+STABILITY: SURFACE MOTION  
 JU0202\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR  
 JU0202+SATELLITE: SATELLITE OBSERVATIONS - September 25, 2020

JU0202	HISTORY	- Date	Condition	Report By
JU0202	HISTORY	- 1962	MONUMENTED	CGS
JU0202	HISTORY	- 1964	GOOD	CGS
JU0202	HISTORY	- 1985	MARK NOT FOUND	USPSQD
JU0202	HISTORY	- 1988	MARK NOT FOUND	USPSQD
JU0202	HISTORY	- 19960724	GOOD	NJGS
JU0202	HISTORY	- 20060411	GOOD	NJGS
JU0202	HISTORY	- 20060616	GOOD	GEOCAC
JU0202	HISTORY	- 20200925	GOOD	NJGS



JU0202 STATION DESCRIPTION  
JU0202  
JU0202'DESCRIBED BY COAST AND GEODETIC SURVEY 1964  
JU0202'AT BEACH HAVEN.  
JU0202'ON LONG BEACH ISLAND, AT BEACH HAVEN, AT THE JUNCTION OF 5TH  
JU0202'STREET AND DELAWARE AVENUE, 33.0 FEET SOUTHWEST OF THE CENTER  
JU0202'LINE OF 5TH STREET, 31.0 FEET SOUTHEAST OF THE CENTER LINE  
JU0202'OF DELAWARE AVENUE, 13.3 FEET EAST OF A STREET MARKER SIGN, 2.2  
JU0202'FEET WEST-SOUTHWEST OF THE WEST CORNER OF A DRAIN, 10.5 FEET  
JU0202'EAST-SOUTHEAST OF A METAL WITNESS POST, ABOUT LEVEL WITH 5TH  
JU0202'STREET AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.2 FOOT.  
JU0202  
JU0202 STATION RECOVERY (1985)  
JU0202  
JU0202  
JU0202'RECOVERY NOTE BY US POWER SQUADRON 1985  
JU0202'MARK NOT FOUND.  
JU0202  
JU0202 STATION RECOVERY (1988)  
JU0202  
JU0202  
JU0202'RECOVERY NOTE BY US POWER SQUADRON 1988 (CWK)  
JU0202'MARK NOT FOUND.  
JU0202  
JU0202 STATION RECOVERY (1996)  
JU0202  
JU0202  
JU0202'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 1996 (RJK)  
JU0202'RECOVERED AS DESCRIBED WITH THE FOLLOWING CHANGES. THE STATION IS  
JU0202'LOCATED IN LONG BEACH TOWNSHIP IN THE BOROUGH OF BEACH HAVEN. TO  
JU0202'REACH THE STATION FROM 9TH STREET, THE EASTBOUND LANES OF STATE ROUTE  
JU0202'72 AND LONG BEACH BOULEVARD IN THE BOROUGH OF SHIP BOTTOM, GO  
JU0202'SOUTHWEST ON LONG BEACH BOULEVARD FOR 6.7 MI (10.8 KM) TO THE  
JU0202'INTERSECTION WITH FIFTH STREET. TURN RIGHT AND GO NORTHWEST ON FIFTH  
JU0202'STREET FOR ABOUT 0.2 MI (0.3 KM) TO THE STATION ON THE LEFT, SET FLUSH  
JU0202'WITH THE GROUND AT THE SOUTH CORNER OF THE JUNCTION OF FIFTH STREET  
JU0202'AND DELAWARE AVENUE. THE STATION IS 31.0 FT (9.4 M) SOUTHWEST FROM  
JU0202'THE CENTERLINE OF FIFTH STREET, 30.0 FT (9.1 M) SOUTHEAST FROM THE  
JU0202'CENTERLINE OF DELAWARE AVENUE, 13.0 FT (4.0 M) WEST FROM A STREET NAME  
JU0202'SIGN AND 2.2 FT (0.7 M) EAST FROM THE NORTHEAST CORNER OF AN INLET  
JU0202'CURB PIECE.  
JU0202  
JU0202 STATION RECOVERY (2006)  
JU0202  
JU0202  
JU0202'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2006 (RJK)  
JU0202'RECOVERED AS DESCRIBED.  
JU0202  
JU0202 STATION RECOVERY (2006)  
JU0202  
JU0202  
JU0202'RECOVERY NOTE BY GEOCACHING 2006 (WD)  
JU0202'RECOVERED IN GOOD CONDITION.  
JU0202  
JU0202 STATION RECOVERY (2020)  
JU0202  
JU0202  
JU0202'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2020 (RJK)  
JU0202'RECOVERED IN GOOD CONDITION.  
JU0202'  
JU0202'NOTE-ADD-THE STATION IS 13 FT (4.0 M) EAST OF A STREET NAME SIGN, 2.2  
JU0202'FT (0.7 M) SOUTHWEST OF THE SOUTHWEST CORNER OF AN INLET CURB PIECE.

\*\*\* retrieval complete.  
Elapsed Time = 00:00:04





# The NGS Data Sheet

✓ FOUND JK ER  
10/5/2022

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 = OCTOBER 4, 2022

JU0203 \*\*\*\*\*

JU0203 DESIGNATION - BEACH HAVEN 2 RM 5

JU0203 PID - JU0203

JU0203 STATE/COUNTY- NJ/OCEAN

JU0203 COUNTRY - US

JU0203 USGS QUAD - BEACH HAVEN (2019)

JU0203

JU0203 \*CURRENT SURVEY CONTROL

JU0203

JU0203\* NAD 83(1986) POSITION- 39 33 48.55 (N) 074 14 32.32 (W) HD\_HELD1

JU0203\* [NAVD 88](#) ORTHO HEIGHT - 1.055 (meters) 3.46 (feet) ADJUSTED

JU0203

JU0203 GEOID HEIGHT - -33.813 (meters) GEOID18

JU0203 DYNAMIC HEIGHT - 1.055 (meters) 3.46 (feet) COMP

JU0203 MODELED GRAVITY - 980,136.1 (mgal) NAVD 88

JU0203

JU0203 VERT ORDER - FIRST CLASS II

JU0203

JU0203.The horizontal coordinates were determined by differentially corrected

JU0203.hand held GPS observations or other comparable positioning techniques

JU0203.and have an estimated accuracy of +/- 3 meters.

JU0203.

JU0203.The orthometric height was determined by differential leveling and

JU0203.adjusted by the NATIONAL GEODETIC SURVEY

JU0203.in February 2021.

JU0203

JU0203.Significant digits in the geoid height do not necessarily reflect accuracy.

JU0203.GEOID18 height accuracy estimate available [here](#).

JU0203

JU0203.Click [photographs](#) - Photos may exist for this station.

JU0203

JU0203.The dynamic height is computed by dividing the NAVD 88

JU0203.geopotential number by the normal gravity value computed on the

JU0203.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

JU0203.degrees latitude (g = 980.6199 gals.),

JU0203

JU0203.The modeled gravity was interpolated from observed gravity values.

JU0203

JU0203; North East Units Estimated Accuracy

JU0203;SPC NJ - 81,084.6 172,142.3 MT (+/- 3 meters HHI GPS)

JU0203

JU0203\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SWJ6508679584(NAD 83)

JU0203

JU0203 SUPERSEDED SURVEY CONTROL

JU0203

JU0203 NAVD 88 (04/25/97) 1.054 (m) 3.46 (f) SUPERSEDED 1 1

JU0203 NAVD 88 (06/15/91) 1.094 (m) 3.59 (f) SUPERSEDED 1 1

JU0203 NGVD 29 (11/26/84) 1.476 (m) 4.84 (f) ADJUSTED 1 1

JU0203

JU0203.Superseded values are not recommended for survey control.

JU0203

JU0203.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JU0203.See file [dsdata.pdf](#) to determine how the superseded data were derived.

JU0203

JU0203\_MARKER: DR = REFERENCE MARK DISK

JU0203\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

JU0203\_STAMPING: BEACH HAVEN 2 NO 5 1962

JU0203\_MARK LOGO: CGS

JU0203\_PROJECTION: FLUSH

JU0203\_MAGNETIC: N = NO MAGNETIC MATERIAL

JU0203\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

JU0203+STABILITY: SURFACE MOTION

JU0203\_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR

JU0203+SATELLITE: SATELLITE OBSERVATIONS - September 24, 2020

JU0203

JU0203 HISTORY - Date Condition Report By

JU0203 HISTORY - 1962 MONUMENTED CGS

JU0203 HISTORY - 1964 GOOD CGS

JU0203 HISTORY - 1988 GOOD USPSQD

JU0203 HISTORY - 19960723 GOOD NJGS

JU0203 HISTORY - 20060411 GOOD NJGS

JU0203 HISTORY - 20200924 GOOD NJGS

JU0203

JU0203 STATION DESCRIPTION

JU0203  
JU0203'DESCRIBED BY COAST AND GEODETIC SURVEY 1964  
JU0203'AT BEACH HAVEN.  
JU0203'ON LONG BEACH ISLAND, AT BEACH HAVEN, 0.3 MILE SOUTHWEST ALONG  
JU0203'BAY AVENUE FROM THE BEACH HAVEN POST OFFICE, THENCE ABOUT 0.1  
JU0203'MILE NORTHWEST ALONG ENGLSIDE AVENUE, NEAR THE INTERSECTION OF  
JU0203'DELAWARE AVENUE, 201.0 FEET NORTH-NORTHWEST OF AND ACROSS DELAWARE  
JU0203'AVENUE FROM THE CENTER OF THE NORTH LEG OF WATER TOWER, 55.0  
JU0203'FEET SOUTHWEST OF THE CENTER LINE OF ENGLSIDE AVENUE, 21.0  
JU0203'FEET NORTHWEST OF THE CENTER LINE OF DELAWARE, 5.5 FEET  
JU0203'SOUTHWEST OF POWER POLE 37054, 123.4 FEET NORTH-NORTHEAST OF  
JU0203'AND ACROSS DELAWARE AVENUE FROM BEACH HAVEN 2 DESCRIBED, 183.0  
JU0203'FEET NORTH OF AND ACROSS DELAWARE AVENUE FROM R.M. 4 DESCRIBED,  
JU0203'AND SET IN THE TOP OF A CONCRETE POST FLUSH WITH THE GROUND.  
JU0203  
JU0203  
JU0203 STATION RECOVERY (1988)  
JU0203  
JU0203  
JU0203'RECOVERY NOTE BY US POWER SQUADRON 1988 (CWK)  
JU0203'RECOVERED IN GOOD CONDITION.  
JU0203  
JU0203  
JU0203 STATION RECOVERY (1996)  
JU0203  
JU0203'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 1996 (RJK)  
JU0203'RECOVERED AS DESCRIBED WITH THE FOLLOWING CHANGES. THE STATION IS  
JU0203'LOCATED IN LONG BEACH TOWNSHIP IN THE BOROUGH OF BEACH HAVEN. TO  
JU0203'REACH THE STATION FROM THE INTERSECTION OF 9TH STREET, THE EASTBOUND  
JU0203'LANES OF STATE ROUTE 72 AND LONG BEACH BOULEVARD IN THE BOROUGH OF  
JU0203'SHIP BOTTOM, GO SOUTHWEST ON LONG BEACH BOULEVARD FOR FOR 7.0 MI (11.3  
JU0203'KM) TO THE INTERSECTION WITH ENGLSIDE AVENUE. TURN RIGHT AND GO  
JU0203'NORTHWEST ON ENGLSIDE AVENUE FOR ABOUT 0.2 MI (0.3 KM) TO THE  
JU0203'INTERSECTION WITH DELAWARE AVENUE AND THE STATION ON THE LEFT, FOUND  
JU0203'ABOUT 0.1 FT (3.0 CM) BELOW THE GROUND AT THE WEST CORNER OF THE  
JU0203'INTERSECTION. THE STATION IS 56.5 FT (17.2 M) SOUTHWEST FROM THE  
JU0203'CENTERLINE OF ENGLSIDE AVENUE, 18.6 FT (5.7 M) NORTHEAST FROM THE  
JU0203'CENTERLINE OF DELAWARE AVENUE, 4.2 FT (1.3 M) SOUTH SOUTHWEST FROM  
JU0203'POLE NUMBER P37054, 35.5 FT (10.8 M) EAST FROM THE EAST CORNER OF A  
JU0203'GARAGE FOR HOUSE NUMBER 100 ON DELAWARE AVENUE, 53.0 FT (16.2 M) WEST  
JU0203'NORTHWEST FROM A FIRE HYDRANT AND 15.5 FT (4.7 M) SOUTHWEST FROM A  
JU0203'STREET SIGN.  
JU0203  
JU0203  
JU0203 STATION RECOVERY (2006)  
JU0203  
JU0203  
JU0203'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2006 (RJK)  
JU0203'RECOVERED AS DESCRIBED.  
JU0203  
JU0203  
JU0203 STATION RECOVERY (2020)  
JU0203  
JU0203  
JU0203'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2020 (RJK)  
JU0203'RECOVERED AS DESCRIBED.

\*\*\* retrieval complete.  
Elapsed Time = 00:00:03







# The NGS Data Sheet

✓ FOUND JKEE  
10/5/2022

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 = OCTOBER 4, 2022

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JU0205 *****
JU0205 DESIGNATION - BEACH HAVEN 2
JU0205 PID - JU0205
JU0205 STATE/COUNTY- NJ/OCEAN
JU0205 COUNTRY - US
JU0205 USGS QUAD - BEACH HAVEN (2019)
JU0205
JU0205 *CURRENT SURVEY CONTROL
JU0205
JU0205* NAD 83(1996) POSITION- 39 33 47.32725(N) 074 14 32.34326(W) ADJUSTED
JU0205* NAVD 88 ORTHO HEIGHT - 1.029 (meters) 3.38 (feet) ADJUSTED
JU0205
JU0205 GEOID HEIGHT - -33.814 (meters) GEOID18
JU0205 LAPLACE CORR - -3.39 (seconds) DEFLEC18
JU0205 DYNAMIC HEIGHT - 1.029 (meters) 3.38 (feet) COMP
JU0205 MODELED GRAVITY - 980,136.2 (mgal) NAVD 88
JU0205
JU0205 HORZ ORDER - SECOND
JU0205 VERT ORDER - FIRST CLASS II
JU0205
    
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JU0205.The horizontal coordinates were established by classical geodetic methods and adjusted by the National Geodetic Survey in September 1999.

JU0205.The orthometric height was determined by differential leveling and adjusted by the NATIONAL GEODETIC SURVEY in February 2021.

JU0205.Significant digits in the geoid height do not necessarily reflect accuracy. GEOID18 height accuracy estimate available [here](#).

JU0205.Click [photographs](#) - Photos may exist for this station.

JU0205.The Laplace correction was computed from DEFLEC18 derived deflections.

JU0205.The dynamic height is computed by dividing the NAVD 88 geopotential number by the normal gravity value computed on the Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45 degrees latitude (g = 980.6199 gals.).

JU0205.The modeled gravity was interpolated from observed gravity values.

JU0205. The following values were computed from the NAD 83(1996) position.

	North	East	Units	Scale	Factor	Converg.
JU0205;SPC NJ	- 81,046.931	172,141.877	MT	0.99990603	+0 09 50.9	
JU0205;SPC NJ	- 265,901.47	564,768.81	sFT	0.99990603	+0 09 50.9	
JU0205;UTM 18	- 4,379,546.692	565,086.162	MT	0.99965215	+0 28 57.4	

	Elev Factor	x	Scale Factor	=	Combined Factor
JU0205!SPC NJ	- 1.0000514	x	0.99990603	=	0.99991117
JU0205!UTM 18	- 1.0000514	x	0.99965215	=	0.99965729

	Primary Azimuth Mark	Grid Az
JU0205:SPC NJ	- BEACH HAVEN AZ MK 2	028 05 20.9
JU0205:UTM 18	- BEACH HAVEN AZ MK 2	027 46 14.4

JU0205\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SWJ6508679546(NAD 83)

PID	Reference Object	Distance	Geod. Az
			dddmmss.s
JU0205	JU0203 BEACH HAVEN 2 RM 5	37.625 METERS	00047
JU0205	JU2670 LITTLE EGG WATERWAY LIGHT 53	APPROX. 2.8 KM	0164243.6
JU0205	JU0202 BEACH HAVEN AZ MK 2		0281511.8
JU0205	JU2671 LONG BEACH WATER WKS STANDPIPE	APPROX. 3.0 KM	0305959.5
JU0205	JU2674 BEACH HAVEN TANK NEW 1975	56.388 METERS	09358
JU0205	JU2673 BEACH HAVEN WATER TANK	99.818 METERS	10346
JU0205	JU0206 BEACH HAVEN 2 RM 4	24.576 METERS	12727
JU0205	JU2718 HOGGATE COAST GUARD LOT	APPROX. 3.8 KM	2053912.7
JU0205	JU2716 HOGGATE WATER TANK	APPROX. 3.6 KM	2092512.6
JU0205	JU2715 LITTLE EGG WATERWAY LIGHT 79	APPROX. 3.2 KM	2181645.2
JU0205	JU2704 LITTLE EGG WATERWAY LIGHT 75	APPROX. 1.6 KM	2362530.9
JU0205	JU2746 WARREN GROVE FAA RADIO TOWER	APPROX.24.2 KM	3282612.0



JU0205  
 JU0205 SUPERSEDED SURVEY CONTROL  
 JU0205  
 JU0205 NAD 83(1986)- 39 33 47.31925(N) 074 14 32.33599(W) AD( ) 2  
 JU0205 NAD 27 - 39 33 46.89080(N) 074 14 33.83650(W) AD( ) 2  
 JU0205 NAVD 88 (05/25/11) 1.021 (m) 3.35 (f) SUPERSEDED 1 1  
 JU0205 NAVD 88 (04/25/97) 1.031 (m) 3.38 (f) SUPERSEDED 1 1  
 JU0205 NAVD 88 (06/15/91) 1.099 (m) 3.61 (f) SUPERSEDED 1 1  
 JU0205 NGVD 29 1.48 (m) 4.9 (f) LEVELING 3  
 JU0205 NGVD 29 (11/26/84) 1.481 (m) 4.86 (f) ADJUSTED 1 1  
 JU0205

JU0205.Superseded values are not recommended for survey control.

JU0205

JU0205.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JU0205.See file [dsdata.pdf](#) to determine how the superseded data were derived.

JU0205

JU0205\_MARKER: DS = TRIANGULATION STATION DISK

JU0205\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

JU0205\_STAMPING: BEACH HAVEN 2 1962

JU0205\_MARK LOGO: CGS

JU0205\_PROJECTION: RECESSED 15 CENTIMETERS

JU0205\_MAGNETIC: N = NO MAGNETIC MATERIAL

JU0205\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

JU0205+STABILITY: SURFACE MOTION

JU0205\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

JU0205+SATELLITE: SATELLITE OBSERVATIONS - September 28, 2020

JU0205

JU0205	HISTORY	- Date	Condition	Report By
JU0205	HISTORY	- 1962	MONUMENTED	CGS
JU0205	HISTORY	- 1964	GOOD	CGS
JU0205	HISTORY	- 1975	GOOD	NGS
JU0205	HISTORY	- 1988	GOOD	USPSQD
JU0205	HISTORY	- 19900807	GOOD	NJGS
JU0205	HISTORY	- 19960723	GOOD	NJGS
JU0205	HISTORY	- 20060411	GOOD	NJGS
JU0205	HISTORY	- 20200928	GOOD	NJGS

JU0205

#### STATION DESCRIPTION

JU0205

JU0205'DESCRIBED BY COAST AND GEODETIC SURVEY 1962 (VBM)

JU0205'THE STATION IS NEAR THE BEACH HAVEN WATER TANK, SOUTH OF THE  
 JU0205'INTERSECTION OF ENGLSIDE AVENUE AND DELAWARE AVENUE IN BEACH  
 JU0205'HAVEN ON LONG BEACH ISLAND AND IS ON CITY PROPERTY. IT IS 55 FEET  
 JU0205'SOUTHWEST OF A PARKING LOT POWER POLE, 47 FEET NORTHWEST OF A  
 JU0205'POWER POLE, 39 FEET SOUTHEAST OF THE CENTERLINE OF DELAWARE  
 JU0205'AVENUE, 19 FEET SOUTHEAST OF A TELEPHONE POLE, 13 FEET NORTHEAST  
 JU0205'OF A WITNESS POST AND PALEN FENCE, SET INSIDE OF A WATER METER  
 JU0205'WITH COVER AND IS NEAR THE WEST CORNER OF THE CITY PARKING  
 JU0205'LOT. IT IS SET 3 INCHES BELOW THE PAVED SURFACE OF THE  
 JU0205'PARKING LOT AND THE DISK IS STAMPED BEACH HAVEN 2 1962.

JU0205'

JU0205'REFERENCE MARK 4 IS 119 FEET SOUTHEAST OF THE CENTERLINE OF  
 JU0205'DELAWARE AVENUE, 35 FEET NORTHWEST OF THE NORTH CORNER OF A  
 JU0205'STUCCO BUILDING, 35 FEET EAST-SOUTHEAST OF THE POWER POLE AND  
 JU0205'6 INCHES NORTHEAST OF THE PALEN FENCE. THE MONUMENT IS FLUSH AND  
 JU0205'THE DISK IS STAMPED BEACH HAVEN 2 NO 4 1962.

JU0205'

JU0205'REFERENCE MARK 5 IS 56 FEET SOUTHWEST OF THE CENTERLINE OF  
 JU0205'ENGLSIDE AVENUE, 19 FEET NORTHWEST OF THE CENTERLINE OF  
 JU0205'DELAWARE AVENUE AND 6 FEET SOUTHWEST OF POWER POLE NUMBER  
 JU0205'37054. THE MONUMENT IS FLUSH AND THE DISK IS STAMPED  
 JU0205'BEACH HAVEN 2 NO 5 1962

JU0205'

JU0205'THE AZIMUTH MARK IS 43 FEET SOUTHEAST OF A T-INTERSECTION  
 JU0205'FORMED BY FIFTH STREET AND DELAWARE AVENUE, 33 FEET SOUTHWEST  
 JU0205'OF THE CENTERLINE OF FIFTH STREET, 27 FEET SOUTHEAST OF THE  
 JU0205'CENTERLINE OF DELAWARE AVENUE AND 10 FEET EAST OF A WITNESS  
 JU0205'POST. THE MONUMENT PROJECTS 4 INCHES AND THE DISK IS STAMPED  
 JU0205'BEACH HAVEN 2 1962.

JU0205'

JU0205'TO REACH THE AZIMUTH MARK FROM THE STATION, GO NORTHEAST ON  
 JU0205'DELAWARE AVENUE FOR 0.4 MILE TO FIFTH STREET AND THE MARK ON  
 JU0205'THE RIGHT.

JU0205'

JU0205'HEIGHT OF LIGHT ABOVE STATION MARK 33.46 METERS.

JU0205

#### STATION RECOVERY (1964)

JU0205

JU0205'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1964

JU0205'AT BEACH HAVEN.

JU0205'ON LONG BEACH ISLAND, AT BEACH HAVEN, 0.3 MILE SOUTHWEST  
 JU0205'ALONG BAY AVENUE FROM THE BEACH HAVEN POST OFFICE, THENCE ABOUT  
 JU0205'160 YARDS NORTHWEST ALONG ENGLSIDE AVENUE, 165 FEET SOUTHWEST  
 JU0205'OF THE CENTER LINE OF ENGLSIDE AVENUE, 164 FEET WEST OF THE

JU0205' CENTER OF WEST LEG OF THE WATER TOWER, ON CITY PROPERTY, 19  
 JU0205' FEET SOUTHEAST OF THE CENTER LINE OF DELAWARE AVENUE, IN THE  
 JU0205' PARKING LOT, 19.5 FEET SOUTH-SOUTHEAST OF CABLE POLE BT 103BH,  
 JU0205' 1.5 FEET NORTHEAST OF A METAL WITNESS POST, AND SET IN THE TOP  
 JU0205' OF A CONCRETE WHICH IS ABOUT 3 INCHES BELOW THE LEVEL OF THE  
 JU0205' PARKING ACCESS WHICH IS HAD THROUGH A 12 INCH IRON COVER.

JU0205

JU0205

STATION RECOVERY (1975)

JU0205

JU0205' RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1975 (JDS)  
 JU0205' STATION MARK, AZIMUTH MARK, R.M. 4, AND R.M. 5 RECOVERED AS  
 JU0205' DESCRIBED IN GOOD CONDITION. THE ORIGINAL DESCRIPTION IS  
 JU0205' ADEQUATE.

JU0205'

JU0205' AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN  
 JU0205' IN BEACH HAVEN.

JU0205

JU0205

STATION RECOVERY (1988)

JU0205

JU0205' RECOVERY NOTE BY US POWER SQUADRON 1988 (CWK)  
 JU0205' RECOVERED IN GOOD CONDITION.

JU0205

JU0205

STATION RECOVERY (1990)

JU0205

JU0205' RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 1990  
 JU0205' THE STATION IS LOCATED ON LONG BEACH ISLAND, IN THE BOROUGH OF BEACH  
 JU0205' HAVEN. TO REACH THE STATION FROM THE BEACH HAVEN POST OFFICE PROCEED  
 JU0205' 0.3 MI (0.5 KM) SOUTHWEST ALONG BAY AVENUE, TO THE JUNCTION WITH  
 JU0205' ENGLSIDE AVENUE, THENCE ABOUT 160 YARDS NORTHWEST ALONG ENGLSIDE  
 JU0205' AVENUE, 165 FT (50.3 M) SOUTHWEST OF THE CENTERLINE OF ENGLSIDE  
 JU0205' AVENUE, 164 FT (50.0 M) WEST OF THE CENTER OF THE WEST LEG OF THE  
 JU0205' WATER TOWER, ON CITY PROPERTY, 38.2 FT (11.6 M) SOUTHEAST OF THE  
 JU0205' CENTERLINE OF DELAWARE AVENUE, IN THE PARKING LOT, 19.5 FT (5.9 M)  
 JU0205' SOUTH SOUTHEAST OF GUY POLE BT 103 BH, 57.9 FT (17.6 M) SOUTHEAST OF  
 JU0205' POLE P25757, 16 FT (4.9 M) NORTHEAST OF A 6 FT (1.8 M) HIGH WOODEN  
 JU0205' FENCE CORNER AND 0.4 FT (0.1 M) BELOW THE PAVEMENT IN A 12 INCH IRON  
 JU0205' BOX.

JU0205

JU0205

STATION RECOVERY (1996)

JU0205

JU0205' RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 1996 (RJK)  
 JU0205' RECOVERED AS DESCRIBED WITH THE FOLLOWING CHANGES. THE STATION IS  
 JU0205' LOCATED IN LONG BEACH TOWNSHIP IN THE BOROUGH OF BEACH HAVEN. TO  
 JU0205' REACH THE STATION FROM THE INTERSECTION OF 9TH STREET, THE EASTBOUND  
 JU0205' LANES OF STATE ROUTE 72 AND LONG BEACH BOULEVARD IN THE BOROUGH OF  
 JU0205' SHIP BOTTOM, GO SOUTHWEST ON LONG BEACH BOULEVARD FOR FOR 7.0 MI (11.3  
 JU0205' KM) TO THE INTERSECTION WITH ENGLSIDE AVENUE. TURN RIGHT AND GO  
 JU0205' NORTHWEST ON ENGLSIDE AVENUE FOR ABOUT 0.2 MI (0.3 KM) TO THE  
 JU0205' INTERSECTION WITH DELAWARE AVENUE. TURN LEFT AND GO SOUTHWEST ON  
 JU0205' DELAWARE AVENUE FOR ABOUT 150 FT (45.7 M) TO THE STATION ON THE LEFT,  
 JU0205' SET ABOUT 0.2 FT (6.1 CM) BELOW THE GROUND IN AN IRON WATER METER BOX  
 JU0205' AT THE SOUTHWEST CORNER OF A MUNICIPAL PARKING LOT. THE STATION IS 16  
 JU0205' FT (4.9 M) NORTHEAST FROM THE NORTHEAST CORNER OF A 6 FT (1.8 M) HIGH  
 JU0205' STOCKADE FENCE ENCLOSING THE MUNICIPAL PUBLIC WORKS DEPARTMENT  
 JU0205' EQUIPMENT STORAGE FACILITY, 58.1 FT (17.7 M) SOUTHEAST FROM POLE  
 JU0205' NUMBER P25757 AND ABOUT 165 FT (50.3 M) WEST FROM THE WEST LEG OF THE  
 JU0205' BEACH HAVEN WATER TANK.

JU0205

JU0205

STATION RECOVERY (2006)

JU0205

JU0205' RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2006 (RJK)  
 JU0205' RECOVERED AS DESCRIBED

JU0205

JU0205

STATION RECOVERY (2020)

JU0205

JU0205' RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2020 (RJK)  
 JU0205' RECOVERED IN GOOD CONDITION.

JU0205'

JU0205' NOTE-THE BOX COVER IS MISSING.

\*\*\* retrieval complete.

Elapsed Time = 00:00:04







# The NGS Data Sheet

✓ FOUND JK EE  
10/5/2022

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 = OCTOBER 4, 2022

JU0211 \*\*\*\*\*

JU0211 TIDAL BM - This is a Tidal Bench Mark.

JU0211 DESIGNATION - ST JAMES RM 4

JU0211 PID - JU0211

JU0211 STATE/COUNTY- NJ/OCEAN

JU0211 COUNTRY - US

JU0211 USGS QUAD - TUCKERTON (2019)

JU0211

\*CURRENT SURVEY CONTROL

JU0211

JU0211\* NAD 83(1986) POSITION- 39 32 50.14 (N) 074 15 11.92 (W) HD\_HELDD1

JU0211\* NAVD 88 ORTHO HEIGHT - 1.349 (meters) 4.43 (feet) ADJUSTED

JU0211

JU0211 GEOID HEIGHT - -33.865 (meters) GEOID18

JU0211 DYNAMIC HEIGHT - 1.348 (meters) 4.42 (feet) COMP

JU0211 MODELED GRAVITY - 980,132.9 (mgal) NAVD 88

JU0211

JU0211 VERT ORDER - FIRST CLASS II

JU0211

JU0211.The horizontal coordinates were determined by differentially corrected

JU0211.hand held GPS observations or other comparable positioning techniques

JU0211.and have an estimated accuracy of +/- 3 meters.

JU0211.

JU0211.The orthometric height was determined by differential leveling and

JU0211.adjusted by the NATIONAL GEODETIC SURVEY

JU0211.in February 2021.

JU0211

JU0211.Significant digits in the geoid height do not necessarily reflect accuracy.

JU0211.GEOID18 height accuracy estimate available [here](#).

JU0211

JU0211.This Tidal Bench Mark is designated as VM 2650

JU0211.by the [CENTER FOR OPERATIONAL OCEANOGRAPHIC PRODUCTS AND SERVICES](#).

JU0211

JU0211.Click [photographs](#) - Photos may exist for this station.

JU0211

JU0211.The dynamic height is computed by dividing the NAVD 88

JU0211.geopotential number by the normal gravity value computed on the

JU0211.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

JU0211.degrees latitude (g = 980.6199 gals.).

JU0211

JU0211.The modeled gravity was interpolated from observed gravity values.

JU0211

JU0211; North East Units Estimated Accuracy

JU0211;SPC NJ - 79,280.8 171,202.1 MT (+/- 3 meters HH1 GPS)

JU0211

JU0211\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SWJ641567775(NAD 83)

JU0211

SUPERSEDED SURVEY CONTROL

JU0211

JU0211 NAVD 88 (05/25/11) 1.352 (m) 4.44 (f) SUPERSEDED 1 1

JU0211 NAVD 88 (06/15/91) 1.453 (m) 4.77 (f) SUPERSEDED 1 1

JU0211 NGVD 29 (11/26/84) 1.836 (m) 6.02 (f) ADJUSTED 1 1

JU0211

JU0211.Superseded values are not recommended for survey control.

JU0211

JU0211.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

JU0211.See file [dsdata.pdf](#) to determine how the superseded data were derived.

JU0211

JU0211\_MARKER: DR = REFERENCE MARK DISK

JU0211\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

JU0211\_STAMPING: ST JAMES NO 4 1932

JU0211\_MARK LOGO: CGS

JU0211\_PROJECTION: RECESSED 20 CENTIMETERS

JU0211\_MAGNETIC: N = NO MAGNETIC MATERIAL

JU0211\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

JU0211+STABILITY: SURFACE MOTION

JU0211\_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR

JU0211+SATELLITE: SATELLITE OBSERVATIONS - August 23, 2019

JU0211

JU0211 HISTORY - Date Condition Report By

JU0211 HISTORY - 1962 MONUMENTED CGS

JU0211 HISTORY - 1964 GOOD CGS

JU0211 HISTORY - 1985 MARK NOT FOUND USPSQD

JU0211 HISTORY - 1987 MARK NOT FOUND USPSQD



JU0211	HISTORY	- 19900810	GOOD	NJGS
JU0211	HISTORY	- 20040802	GOOD	NJDEP
JU0211	HISTORY	- 20060710	GOOD	NJGS
JU0211	HISTORY	- 20181109	GOOD	INDIV
JU0211	HISTORY	- 20190823	GOOD	NJGS

JU0211

JU0211

## STATION DESCRIPTION

JU0211

JU0211'DESCRIBED BY COAST AND GEODETIC SURVEY 1964

JU0211'AT BEACH HAVEN.

JU0211'ON LONG BEACH ISLAND, AT BEACH HAVEN, 1.6 MILE SOUTHWEST ALONG

JU0211'BAY AVENUE FROM THE BEACH HAVEN POST OFFICE, THENCE ABOUT 0.1

JU0211'MILE NORTHWEST ALONG A SAND ROAD, AT THE EDGE OF THE SAND ROAD,

JU0211'150 YARDS NORTHWEST OF THE CENTER LINE OF BAY AVENUE, 13 FEET

JU0211'SOUTH OF THE APPROXIMATE CENTER LINE OF THE SAND ROAD, 1.5 FEET

JU0211'WEST OF POWER POLE P 36894, 160.5 FEET EAST OF STATION ST JAMES

JU0211'DESCRIBED, 203.1 MILE SOUTH OF R.M. 5 DESCRIBED, ABOUT LEVEL WITH

JU0211'THE SAND ROAD AND SET IN THE TOP OF A CONCRETE POST ABOUT 1

JU0211'INCH UNDERGROUND.

JU0211

JU0211

## STATION RECOVERY (1985)

JU0211

JU0211'RECOVERY NOTE BY US POWER SQUADRON 1985

JU0211'MARK NOT FOUND.

JU0211

JU0211

## STATION RECOVERY (1987)

JU0211

JU0211

JU0211'RECOVERY NOTE BY US POWER SQUADRON 1987 (CWK)

JU0211'MARK NOT FOUND.

JU0211

JU0211

## STATION RECOVERY (1990)

JU0211

JU0211

JU0211'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 1990

JU0211'THE STATION IS LOCATED IN LONG BEACH TOWNSHIP IN THE BOROUGH OF BEACH

JU0211'HAVEN MANOR AT THE SOUTHERN END OF LONG BEACH ISLAND IN OCEAN COUNTY

JU0211'TO REACH THE STATION FROM THE JUNCTION OF BAY AVENUE AND NJ ROUTE 72

JU0211'IN SHIP BOTTOM BOROUGH, GO SOUTHWEST ON BAY AVENUE FOR 8.2 MI

JU0211'(13.2 KM) TO OSBORN AVENUE ON THE RIGHT. TURN RIGHT ON OSBORN AVENUE

JU0211'AND GO 0.1 MI (0.2 KM) NORTHWEST TO THE STATION ON THE LEFT ON

JU0211'PROPERTY OF NO. 18 OSBORN AVENUE. THE STATION IS 4.8 M (15.7 FT)

JU0211'SOUTHWEST FROM THE CENTERLINE OF OSBORN AVENUE, 6.21 M (20.37 FT)

JU0211'NORTHEAST FROM THE NORTHEAST CORNER OF A ONE AND ONE HALF STORY FRAME

JU0211'DWELLING, NO. 18, 37.5 M (120.3 FT) SOUTHEAST FROM THE CENTERLINE OF

JU0211'PENNSYLVANIA AVENUE, 0.45 M (1.48 FT) WEST OF POLE P 36894, 21.1 M

JU0211'(69.2 FT) SOUTH FROM THE SOUTHEAST CORNER OF A TWO STORY FRAME

JU0211'DWELLING, NO. 17 OSBORN AVENUE. THE STATION IS A STANDARD REFERENCE

JU0211'MARK DISK STAMPED ST. JAMES NO. 4 1932 SET IN THE TOP OF A SQUARE

JU0211'CONCRETE MONUMENT, SET 0.1 M (0.3 FT) BELOW THE GROUND.

JU0211

JU0211

## STATION RECOVERY (2004)

JU0211

JU0211

JU0211'RECOVERY NOTE BY NJ DEPT OF ENVIR PRO 2004 (WM)

JU0211'1 FOOT BELOW GROUND

JU0211

JU0211

## STATION RECOVERY (2006)

JU0211

JU0211

JU0211'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2006 (RJK)

JU0211'THE STATION IS LOCATED IN LONG BEACH TOWNSHIP, IN HOLGATE, NEAR THE

JU0211'SOUTHEAST JUNCTION OF OSBORN AVENUE AND WEST STREET, ABOUT 0.1 MI (0.2

JU0211'KM) NORTHWEST OF BAY AVENUE-LONG BEACH BOULEVARD.

JU0211'

JU0211'THE STATION IS 10.8 FT (3.3 M) SOUTH-SOUTHWEST OF THE CENTERLINE OF

JU0211'OSBORN AVENUE, 120.0 FT (36.6 M) SOUTHEAST OF THE CENTERLINE OF WEST

JU0211'STREET, 145.5 FT (44.3 M) SOUTHEAST OF POLE NUMBER P36895 ON THE

JU0211'SOUTHWEST CORNER OF OSBORN AND WEST STREET, 2.4 FT (0.7 M) NORTHWEST

JU0211'OF POLE NUMBER P36894, 1.0 FT (0.3 M) NORTH OF A NJGS WITNESS POST,

JU0211'37.8 FT (11.5 M) SOUTH-SOUTHWEST AND ACROSS OSBORN AVENUE FROM POLE

JU0211'NUMBER T14257, 17.8 FT (5.4 M) NORTHEAST OF THE NORTHEAST CORNER OF A

JU0211'ONE STORY FRAME HOUSE.

JU0211

JU0211

## STATION RECOVERY (2018)

JU0211

JU0211

JU0211'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2018 (OLA)

JU0211'RECOVERED IN GOOD CONDITION.

JU0211

JU0211

## STATION RECOVERY (2019)

JU0211

JU0211

JU0211'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2019 (RJK)

JU0211'RECOVERED IN GOOD CONDITION.

JU0211'

JU0211'NOTE-ADD-THE STATION IS 16.7 FT (5.1 M) SOUTH-SOUTHWEST OF THE

JU0211'CENTERLINE OF OSBORN AVENUE, 120.0 FT (36.6 M) SOUTHEAST OF THE

JU0211'CENTERLINE OF WEST STREET, 145.5 FT (44.3 M) SOUTHEAST OF POLE NUMBER

JU0211'P36895 ON THE SOUTHWEST CORNER OF OSBORN AND WEST STREET, 2.4 FT (0.7

10/4/22, 10:36 AM

DATASHEETS

JU0211'M) NORTHWEST OF POLE NUMBER P36894, 3 FT (0.9 M) WEST OF A NJGS  
JU0211'WITNESS POST, 37.8 FT (11.5 M) SOUTH-SOUTHWEST AND ACROSS OSBORN  
JU0211'AVENUE FROM POLE NUMBER T14257, 17.8 FT (5.4 M) NORTHEAST OF THE  
JU0211'NORTHEAST CORNER OF A ONE STORY FRAME HOUSE AND 2 FT (0.6 M) WEST OF  
JU0211'POLE NUMBER P36894.

\*\*\* retrieval complete.  
Elapsed Time = 00:00:03







## The NGS Data Sheet

✓ FOUND JK EE  
10/5/2022

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 = OCTOBER 4, 2022

DR6530 \*\*\*\*\*

DR6530 DESIGNATION - 15 N 12  
DR6530 PID - DR6530  
DR6530 STATE/COUNTY- NJ/OCEAN  
DR6530 COUNTRY - US  
DR6530 USGS QUAD - TUCKERTON (2019)

DR6530 \*CURRENT SURVEY CONTROL

DR6530\* NAD 83(1986) POSITION- 39 32 52.02 (N) 074 15 04.49 (W) HD\_HELDD1  
DR6530\* NAVD 88 ORTHO HEIGHT - 2.130 (meters) 6.99 (feet) ADJUSTED

DR6530 GEOID HEIGHT - -33.866 (meters) GEOID18  
DR6530 DYNAMIC HEIGHT - 2.129 (meters) 6.98 (feet) COMP  
DR6530 MODELED GRAVITY - 980,132.9 (mgal) NAVD 88

DR6530 VERT ORDER - FIRST CLASS II

DR6530.The horizontal coordinates were determined by differentially corrected  
DR6530.hand held GPS observations or other comparable positioning techniques  
DR6530.and have an estimated accuracy of +/- 3 meters.

DR6530.The orthometric height was determined by differential leveling and  
DR6530.adjusted by the NATIONAL GEODETIC SURVEY  
DR6530.in February 2021.

DR6530.Significant digits in the geoid height do not necessarily reflect accuracy.  
DR6530.GEOID18 height accuracy estimate available [here](#).

DR6530.Click [photographs](#) - Photos may exist for this station.

DR6530.The dynamic height is computed by dividing the NAVD 88  
DR6530.geopotential number by the normal gravity value computed on the  
DR6530.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45  
DR6530.degrees latitude ( $g = 980.6199$  gals.).

DR6530.The modeled gravity was interpolated from observed gravity values.

DR6530;	North	East	Units	Estimated Accuracy
DR6530;SPC NJ	- 79,339.2	171,379.3	MT	(+/- 3 meters HH1 GPS)

DR6530\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SWJ6433377835(NAD 83)

DR6530 SUPERSEDED SURVEY CONTROL

DR6530.No superseded survey control is available for this station.

DR6530\_MARKER: DD = SURVEY DISK

DR6530\_SETTING: 35 = SET IN A MAT FOUNDATION OR CONCRETE SLAB OTHER THAN

DR6530+WITH SETTING: PAVEMENT

DR6530\_SP\_SET: SEWAGE ACCESS CHAMBER

DR6530\_STAMPING: 15 N 12 2020

DR6530\_MARK LOGO: NJGS

DR6530\_MAGNETIC: N = NO MAGNETIC MATERIAL

DR6530\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

DR6530+STABILITY: SURFACE MOTION

DR6530\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DR6530+SATELLITE: SATELLITE OBSERVATIONS - September 23, 2020

DR6530	HISTORY	- Date	Condition	Report By
DR6530	HISTORY	- 20200923	MONUMENTED	NJGS

DR6530 STATION DESCRIPTION

DR6530'DESCRIBED BY NEW JERSEY GEODETIC SURVEY 2020 (RJK)  
DR6530'THE MARK IS LOCATED ABOUT 6.7 MI (10.8 KM) SOUTH-SOUTHEAST OF WEST  
DR6530'CREEK, 6.1 MI (9.8 KM) SOUTHEAST OF TUCKERTON, IN BEACH HOLE, AT THE  
DR6530'HOLGATE BORDER.

DR6530'TO REACH THE STATION FROM THE INTERSECTION OF THE EASTBOUND LANES OF  
DR6530'STATE ROUTE 72 AND LONG BEACH BOULEVARD IN THE BOROUGH OF SHIP BOTTOM,  
DR6530'GO SOUTHWEST ON LONG BEACH BOULEVARD FOR 8.1 MI (13.0 KM) TO THE  
DR6530'STATION ON THE RIGHT, SET IN A DRILL HOLE IN THE NORTHEAST CORNER OF A  
DR6530'8 FT (2.4 M) BY 7 FT (2.1 M) CONCRETE ACCESS CHAMBER IN FRONT OF THE



04/22, 10:54 AM

DATASHEETS

DR6530 SEWAGE PUMPING STATION (2426).

DR6530'

DR6530' IT IS 49 FT (14.9 M) WEST OF THE CENTERLINE OF LONG BEACH BOULEVARD,  
DR6530' 135 FT (41.1 M) SOUTH-SOUTHWEST OF THE CENTERLINE OF NELSON AVENUE, 4  
DR6530' FT (1.2 M) NORTH OF A FIRE HYDRANT, 56 FT (17.1 M) SOUTHWEST OF POLE  
DR6530' NUMBER P11185 AND 12 FT (3.7 M) EAST OF THE EAST FACE OF A PVC FENCE  
DR6530' ON THE EAST SIDE OF THE PUMP STATION COMPLEX.

DR6530'

DR6530' NOTE-STATION IS ABOUT 1 FT (0.3 M) ABOVE THE STONE AREA.

\*\*\* retrieval complete.

Elapsed Time = 00:00:04





# The NGS Data Sheet

✓ Found JK EE 10/5/2022

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 = OCTOBER 4, 2022

DMS214 \*\*\*\*\*

DMS214 DESIGNATION - 15 Y 3  
 DMS214 PID - DMS214  
 DMS214 STATE/COUNTY - NJ/OCEAN  
 DMS214 COUNTRY - US  
 DMS214 USGS QUAD - TUCKERTON (2019)

DMS214 \*CURRENT SURVEY CONTROL

DMS214 NAD 83(1986) POSITION- 39 32 55.20 (N) 074 15 09.51 (W) HD\_HELD1

DMS214 NAVD 88 ORTHO HEIGHT - 1.226 (meters) 4.02 (feet) ADJUSTED

DMS214 GEOID HEIGHT - -33.860 (meters) GEOID18

DMS214 DYNAMIC HEIGHT - 1.225 (meters) 4.02 (feet) COMP

DMS214 MODELED GRAVITY - 980,133.3 (mgal) NAVD 88

DMS214 VERT ORDER - FIRST CLASS I

DMS214 The horizontal coordinates were determined by differentially corrected

DMS214 hand held GPS observations or other comparable positioning techniques

DMS214 and have an estimated accuracy of +/- 3 meters.

DMS214 The orthometric height was determined by differential leveling and

DMS214 adjusted by the NATIONAL GEODETIC SURVEY

DMS214 in May 2011.

DMS214 No vertical observational check was made to the station.

DMS214 Significant digits in the geoid height do not necessarily reflect accuracy.

DMS214 GE0ID18 height accuracy estimate available [here](#).

DMS214 Click [photographs](#) - Photos may exist for this station.

DMS214 The dynamic height is computed by dividing the NAVD 88

DMS214 geopotential number by the normal gravity value computed on the

DMS214 Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

DMS214 degrees latitude (g = 980.6199 gals.).

DMS214 The modeled gravity was interpolated from observed gravity values.

DMS214; North East Units Estimated Accuracy

DMS214; SPC NJ - 79,437.0 171,259.2 MT (+/- 3 meters HH1 GPS)

DMS214 U.S. NATIONAL GRID SPATIAL ADDRESS: 18SWJ642127932(NAD 83)

DMS214 SUPERSEDED SURVEY CONTROL

DMS214 No superseded survey control is available for this station.

DMS214 MARKER: DD = SURVEY DISK

DMS214\_SETTING: 34 = SET IN THE FOOTINGS OF SMALL/MEDIUM STRUCTURES

DMS214\_SP\_SET: ELECTRICAL BOX BASE

DMS214\_STAMPING: 15 Y 3 2006

DMS214\_MARK LOGO: NJGS

DMS214\_MAGNETIC: N = NO MAGNETIC MATERIAL

DMS214\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

DMS214+STABILITY: SURFACE MOTION

DMS214\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DMS214+SATELLITE: SATELLITE OBSERVATIONS - August 23, 2019

DMS214 HISTORY - Date Condition Report By

DMS214 HISTORY - 20060713 MONUMENTED NJGS

DMS214 HISTORY - 20190823 GOOD NJGS

DMS214 STATION DESCRIPTION

DMS214 DESCRIBED BY NEW JERSEY GEODETIC SURVEY 2006

DMS214 THE STATION IS LOCATED IN THE BOROUGH OF BEACH HAVEN, SET IN A DRILL

DMS214 HOLE IN THE SOUTHEAST CORNER OF A CONCRETE BASE FOR AN ELECTRICAL BOX

DMS214 (SM11A) FOR AN UNDERGROUND PUMPING STATION AT THE JUNCTION OF WEST AND

DMS214 NELSON AVENUES.

DMS214 TO REACH THE STATION FROM THE JUNCTION OF NEW JERSEY STATE ROUTE 72

DMS214 EASTBOUND (WEST NINTH STREET) AND LONG BEACH BOULEVARD IN SHIP BOTTOM,

10/4/23, 10:42 AM

DATASHEETS

DM5214'GO ABOUT 8.0 MI (12.9 KM) SOUTH-SOUTHWEST ON LONG BEACH BOULEVARD TO  
DM5214'THE JUNCTION WITH NELSON AVENUE. TURN RIGHT AND GO 0.1 MI (0.2 KM)  
DM5214'NORTHWEST ON NELSON AVENUE TO THE STATION ON THE LEFT.

DM5214'

DM5214'THE STATION IS 12.0 M (39.4 FT) SW OF THE CENTERLINE OF NELSON  
DM5214'AVENUE, 6.1 M (20.0 FT) SW OF POLE NUMBER T4026, 5.1 M (16.7  
DM5214'FT) EAST-SOUTHEAST OF A 10 FT (3.0 M) HIGH 8 INCH (20 CM) DIAMETER  
DM5214'INVERTED VENT PIPE, 14.0 M (45.9 FT) SOUTH-SOUTHEAST OF THE EXTENDED  
DM5214'CENTERLINE OF WEST AVENUE.

DM5214

DM5214

STATION RECOVERY (2019)

DM5214

DM5214'RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2019 (RJK)

DM5214'RECOVERED AS DESCRIBED.

\*\*\* retrieval complete.

Elapsed Time = 00:00:04







# The NGS Data Sheet

✓ FOUND  
JK EE 10/5/2022

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 = OCTOBER 4, 2022  
 \*\*\*\*\*  
 DMS212 DESIGNATION - 15 W 3  
 DMS212 PID - DMS212  
 DMS212 STATE/COUNTY- NJ/OCEAN  
 DMS212 COUNTRY - US  
 DMS212 USGS QUAD - BEACH HAVEN (2019)  
 DMS212  
 DMS212 \*CURRENT SURVEY CONTROL  
 DMS212  
 DMS212\* NAD 83(1986) POSITION- 39 33 35.44 (N) 074 14 44.45 (W) HD\_HELD1  
 DMS212\* NAVD 88 ORTHO HEIGHT - 1.207 (meters) 3.96 (feet) ADJUSTED  
 DMS212  
 DMS212 GEOID HEIGHT - -33.823 (meters) GEOID18  
 DMS212 DYNAMIC HEIGHT - 1.207 (meters) 3.96 (feet) COMP  
 DMS212 MODELED GRAVITY - 980,135.6 (mgal) NAVD 88  
 DMS212  
 DMS212 VERT ORDER - FIRST CLASS I  
 DMS212  
 DMS212.The horizontal coordinates were determined by differentially corrected  
 DMS212.hand held GPS observations or other comparable positioning techniques  
 DMS212.and have an estimated accuracy of +/- 3 meters.  
 DMS212.  
 DMS212.The orthometric height was determined by differential leveling and  
 DMS212.adjusted by the NATIONAL GEODETIC SURVEY  
 DMS212.in May 2011.  
 DMS212  
 DMS212.Significant digits in the geoid height do not necessarily reflect accuracy.  
 DMS212.GEOID18 height accuracy estimate available [here](#).  
 DMS212  
 DMS212.Click [photographs](#) - Photos may exist for this station.  
 DMS212  
 DMS212.The dynamic height is computed by dividing the NAVD 88  
 DMS212.geopotential number by the normal gravity value computed on the  
 DMS212.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45  
 DMS212.degrees latitude (g = 980.6199 gals.).  
 DMS212  
 DMS212.The modeled gravity was interpolated from observed gravity values.  
 DMS212  

DMS212;	North	East	Units	Estimated Accuracy
DMS212;SPC NJ	- 80,679.5	171,853.9	MT	(+/- 3 meters HHI GPS)

 DMS212  
 DMS212\_U.S. NATIONAL GRID SPATIAL ADDRESS: 18SWJ6480079177(NAD 83)  
 DMS212  
 DMS212 SUPERSEDED SURVEY CONTROL  
 DMS212  
 DMS212.No superseded survey control is available for this station.  
 DMS212  
 DMS212\_MARKER: DD = SURVEY DISK  
 DMS212\_SETTING: 35 = SET IN A MAT FOUNDATION OR CONCRETE SLAB OTHER THAN  
 DMS212+WITH SETTING: PAVEMENT  
 DMS212\_SP\_SET: FLAG POLE FOUNDATION  
 DMS212\_STAMPING: 15 W 3 2006  
 DMS212\_MARK LOGO: NJGS  
 DMS212\_MAGNETIC: N = NO MAGNETIC MATERIAL  
 DMS212\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO  
 DMS212+STABILITY: SURFACE MOTION  
 DMS212\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR  
 DMS212+SATELLITE: SATELLITE OBSERVATIONS - June 16, 2020  
 DMS212  

DMS212 HISTORY	- Date	Condition	Report By
DMS212 HISTORY	- 20060801	MONUMENTED	NJGS
DMS212 HISTORY	- 20200616	GOOD	NJGS

 DMS212  
 DMS212 STATION DESCRIPTION  
 DMS212  
 DMS212'DESCRIBED BY NEW JERSEY GEODETIC SURVEY 2006  
 DMS212'THE STATION IS LOCATED IN BEACH HAVEN BOROUGH, SET IN THE SOUTHWEST  
 DMS212'CORNER OF THE CONCRETE BASE OF A FLAG POLE FOR THE LITTLE EGG HARBOR  
 DMS212'YACHT CLUB AT THE NORTHWEST END OF BERKELEY AVENUE ON THE BAY. THE  
 DMS212'STATION IS ABOUT 0.3 MI (0.5 KM) SOUTH-SOUTHWEST OF THE BEACH HAVEN  
 DMS212'WATER TANK AND MUNICIPAL COMPLEX.  
 DMS212'  
 DMS212'TO REACH THE STATION FROM THE JUNCTION OF NEW JERSEY STATE ROUTE 72  
 DMS212'EASTBOUND (WEST NINTH STREET) AND LONG BEACH BOULEVARD IN SHIP BOTTOM,

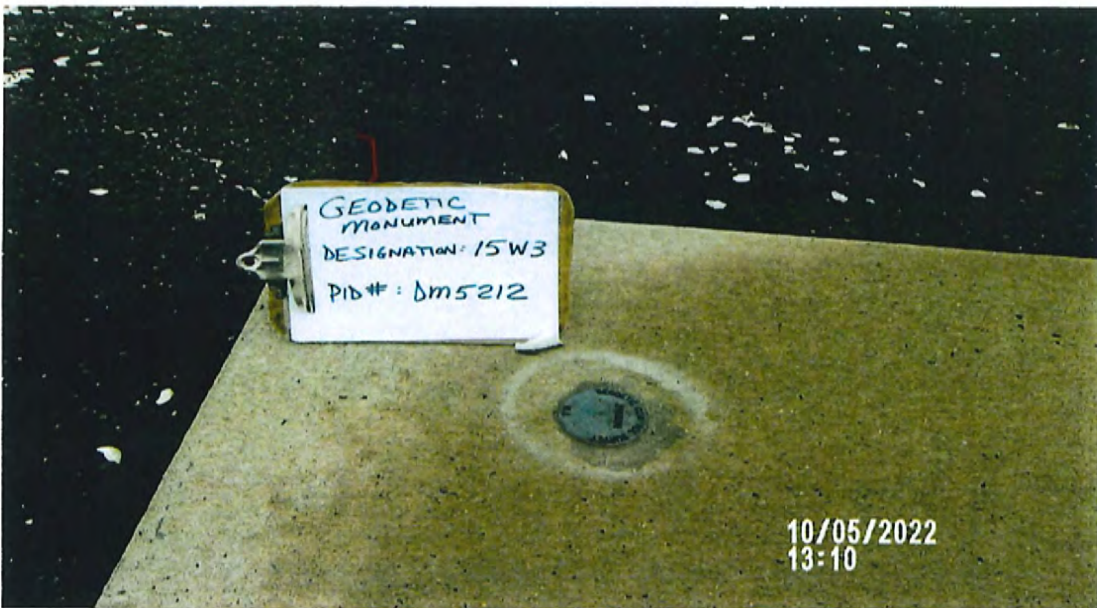


10/1/22, 10:44 AM

DATASHEETS

DMS212'GO ABOUT 7.2 MI (11.6 KM) SOUTH-SOUTHWEST ON LONG BEACH BOULEVARD TO  
DMS212'THE JUNCTION WITH BERKELEY AVENUE. TURN RIGHT AND GO 0.15 MI (0.2 KM)  
DMS212'WEST-NORTHWEST ON BERKELEY AVENUE TO THE STATION AHEAD.  
DMS212'  
DMS212'THE STATION IS 15.7 FT (4.8 M) EAST-NORTHEAST OF THE SOUTH CURB OF  
DMS212'BERKLEY AVENUE, 19.5 FT (5.9 M) SOUTH-SOUTHWEST OF THE NORTH CURB OF  
DMS212'BERKELEY AVENUE, 3.0 FT (0.9 M) SOUTHWEST OF THE FLAG POLE MAST, 140.0  
DMS212'FT (42.7 M) WEST OF THE CENTERLINE EXTENDED OF WEST AVENUE.  
DMS212  
DMS212 STATION RECOVERY (2020)  
DMS212  
DMS212 RECOVERY NOTE BY NEW JERSEY GEODETIC SURVEY 2020 (RJK)  
DMS212'RECOVERED AS DESCRIBED.

\*\*\* retrieval complete.  
Elapsed Time = 00:00:03





# The NGS Data Sheet

✓ FOUND  
JK EE

10/5/2022

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 = OCTOBER 4, 2022

DR6531 \*\*\*\*\*

DR6531 DESIGNATION - 15 P 12  
DR6531 PID - DR6531  
DR6531 STATE/COUNTY- NJ/OCEAN  
DR6531 COUNTRY - US  
DR6531 USGS QUAD - BEACH HAVEN (2019)

DR6531 \*CURRENT SURVEY CONTROL

DR6531\* NAD 83(1986) POSITION- 39 33 47.29 (N) 074 14 29.68 (W) HD\_HELDD1  
DR6531\* NAVD 88 ORTHO HEIGHT - 1.541 (meters) 5.06 (feet) ADJUSTED

DR6531 GEOID HEIGHT - -33.815 (meters) GEOID18  
DR6531 DYNAMIC HEIGHT - 1.540 (meters) 5.05 (feet) COMP  
DR6531 MODELED GRAVITY - 980,136.1 (mgal) NAVD 88

DR6531 VERT ORDER - FIRST CLASS II

DR6531 The horizontal coordinates were determined by differentially corrected  
DR6531 hand held GPS observations or other comparable positioning techniques  
DR6531 and have an estimated accuracy of +/- 3 meters.

DR6531 The orthometric height was determined by differential leveling and  
DR6531 adjusted by the NATIONAL GEODETIC SURVEY  
DR6531 in February 2021.

DR6531 Significant digits in the geoid height do not necessarily reflect accuracy.  
DR6531 GEOID18 height accuracy estimate available [here](#).

DR6531 Click [photographs](#) - Photos may exist for this station.

DR6531 The dynamic height is computed by dividing the NAVD 88  
DR6531 geopotential number by the normal gravity value computed on the  
DR6531 Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45  
DR6531 degrees latitude ( $g = 980.6199$  gals.).

DR6531 The modeled gravity was interpolated from observed gravity values.

DR6531;	North	East	Units	Estimated Accuracy
DR6531;SPC NJ	- 81,046.0	172,205.4	MT	(+/- 3 meters HH1 GPS)

DR6531 U.S. NATIONAL GRID SPATIAL ADDRESS: 18SWJ6514979546(NAD 83)

DR6531 SUPERSEDED SURVEY CONTROL

DR6531 No superseded survey control is available for this station.

DR6531 MARKER: DD = SURVEY DISK  
DR6531 SETTING: 36 = SET IN A MASSIVE STRUCTURE  
DR6531 SP\_SET: WATER TANK BASE  
DR6531 STAMPING: 15 P 12 2020  
DR6531 MARK LOGO: NJGS

DR6531 MAGNETIC: N = NO MAGNETIC MATERIAL  
DR6531 STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL  
DR6531 SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR  
DR6531+SATELLITE: SATELLITE OBSERVATIONS - September 28, 2020

DR6531 HISTORY	- Date	Condition	Report By
DR6531 HISTORY	- 20200928	MONUMENTED	NJGS

DR6531 STATION DESCRIPTION

DR6531 DESCRIBED BY NEW JERSEY GEODETIC SURVEY 2020 (RJK)  
DR6531 THE MARK IS LOCATED ABOUT 6.0 MI (9.7 KM) SOUTHEAST OF WEST CREEK, 6.0  
DR6531 MI (9.7 KM) EAST-SOUTHEAST OF TUCKERTON AND IN THE TOWN OF BEACH  
DR6531 HAVEN, NEW JERSEY.

DR6531 TO REACH THE STATION FROM THE INTERSECTION OF NINTH STREET, THE  
DR6531 EASTBOUND LANES OF STATE ROUTE 72 AND LONG BEACH BOULEVARD IN THE  
DR6531 BOROUGH OF SHIP BOTTOM, GO SOUTHWEST ON LONG BEACH BOULEVARD FOR  
DR6531 7.0 MI (11.3 KM) TO THE INTERSECTION WITH ENGLSIDE AVENUE. TURN  
DR6531 RIGHT AND GO NORTHWEST ON ENGLSIDE AVENUE FOR ABOUT 0.05 MI (0.08 KM)  
DR6531 TO THE STATION ON THE LEFT, SET IN A DRILL HOLE ON TO OF THE NORTHEAST  
DR6531 LEG (THE OUTFLOW PIPE IS ATTACHED) OF THE BEACH HAVEN WATER TANK ON

10/4/21, 10:47 AM

DATASHEETS

DR6531'THE GROUNDS OF THE BEACH HAVEN UTILITY AND POLICE FACILITY.

DR6531'

DR6531'IT IS 31.3 FT (9.5 M) SOUTH-SOUTHWEST OF THE SOUTH CURB OF ENGLSIDE  
DR6531'AVENUE, 47.7 FT (14.5 M) NORTH-NORTHWEST OF POLE NUMBER P10841, 218 FT  
DR6531'(66.4 M) EAST-SOUTHEAST OF THE CENTERLINE OF DELAWARE AVENUE, 86.7 FT  
DR6531'(26.4 M) SOUTHEAST OF POLE NUMBER P19734 AND 1.5 FT (0.5 M) NORTH OF  
DR6531'THE WATER TANK LEG.

\*\*\* retrieval complete.

Elapsed Time = 00:00:04



