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Identification_Information:
        Citation:
                Citation_Information:
                        Originator: Sherry Kopec(comp.)
                        Originator: Pickett & Associates, Inc.(ed.)
                        Publication_Date: Unpublished material
                        Publication_Time: Unknown
                        Title: S.F.W.M.D. Well USSS
                        Edition: 1
                        Publication_Information:
                                Publication_Place: Not published
                                Publisher: None
                        Online_Linkage: skopec@pickett-inc.com
        Description:
                Abstract:
                        South Florida Water Management District
                        Well USSS
                Purpose:
                        To establish NAVD 88 and NGVD 29 elevations on the
                        well platform at the reference mark.
                        Also establish a nearby site benchmark.
                Supplemental_Information:
                        There are key locks on the wells.
                        See point of contact for keys.
        Time_Period_of_Content:
                Time_Period_Information:
                        Single_Date/Time:
                                Calendar_Date: 20030321
                                Time_of_Day: 14340000
                Currentness_Reference: Date and time of field work.
        Status:
                Progress: Complete
                Maintenance_and_Update_Frequency: Unknown
        Spatial_Domain:
                Bounding_Coordinates:
                        West_Bounding_Coordinate: -080°58'57.9"
                        East_Bounding_Coordinate: -080°58'50.1"
                        North_Bounding_Coordinate: +26°26'02.1"
                        South_Bounding_Coordinate: +26°25'58.6"
        Keywords:
                Theme:
                        Theme_Keyword_Thesaurus: None
                        Theme_Keyword: Record Survey
                        Theme_Keyword: Well Site
                Place:
                        Place_Keyword_Thesaurus: None
                        Place_Keyword: S.F.W.M.D. Well USSS
                        Place_Keyword: Sec. 36, Twp. 46 S., Rge. 33 E.
                        Place_Keyword: Hendry County, Florida
                        Place_Keyword_Thesaurus: Geographic Names Information System
                        Place_Keyword: Florida
                        Place_Keyword: Hendry County
                        Place_Keyword: USSS
        Access_Constraints: None
        Use_Constraints: None
        Point_of_Contact:
                Contact_Information:
                        Contact_Person_Primary:
                                Contact_Person: Elvie D. Ebanks
                                Contact_Organization: South Florida Water Management District
                        Contact_Position: Professional Surveyor & Mapper
                        Contact_Address:
                                Address_Type: mailing and physical address
                                Address: 8894 Belvedere Road
                                City: West Palm Beach
                                State_or_Province: Florida
                                Postal_Code: 33411
                                Country: USA
                        Contact_Voice_Telephone: (561) 686-8800, Ext. 4717
                        Contact_Facsimile_Telephone: (561) 791-4093
                        Contact_Electronic_Mail_Address: eebanks@sfwmd.gov
                        Hours_of_Service: 8:00 am to 5:00 pm EST
```

Sherry Kopec
Pickett & Associates, Inc.
Purpose
Survey Date
Elvie Ebanks
SFWMD

Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report:
Equipment Used
This survey was prepared using GPS and conventional
Leveling. The horizontal location of the wells
and benchmark were determined using DGPS.
The vertical control was performed using a Zeiss DINI 20
electronic digital level.
Coordinates are based on the Florida State Plane
Coordinate System, East Zone, NAD 83/99.
Elevations are based on NAVD 88 and NGVD 29.
Logical_Consistency_Report:
Horizontal data was established using DGPS technology.
Project Results
Vertical data were established with differential leveling
using control point FLGPS_65(AD7901).
Completeness_Report:
Horizontal location taken at approximate center of wells.
Well USSS
Lat. +26°26'02.1"
Long. -080°58'50.1"
N 763403
E 662522
Existing reference mark is an arrow on the inside of the
N side of a 4.5" PVC pipe with the elevation taken
on top of the rim of the pipe with an NGVD 29 elevation of
24.385' Dated 6/3/92.
GW1
New leveled elevations.
22.749' (NAVD 88)
24.119' (NGVD 29) based on NGS adjustment of CERP
vertical network for benchmark FLGPS_65(AD7901)
Site Benchmark.
24.189' (NGVD 29) based on site worksheets provided by
SFWMD
"FLGPS65" is a steel rod inside an aluminum collar
stamped "FLGPS 65 1989".
To reach from the intersection of C.R. 835 and U.S. 27
(Approximately 1 Mile East of Clewiston), go South
on C.R. 835 for (27.10 Miles) to the site on the right. The
site is 21.0' West of edge of pavement in a curve
in the road. Site is 16.0' West of South end of guardrail.
Site benchmark "FLGPS 65" is approximately 800' SW of
well at beginning of curve.
Benchmark is 30' North of edge of pavement and 18.0'
South of a carsonite witness post.
United States Department of the Interior Geological Survey
Quadrangle Map -- LITTLE CYPRESS SWAMP
Location of FLGPS65
Lat. +26°25'58.6"
Long. -080°58'57.9"
N 763055
E 661809
Elevations.
19.580' (NAVD 88)
20.950' (NGVD 29) based on NGS adjustment of CERP
vertical network for benchmark FLGPS_65(AD7901)
21.020' (NGVD 29) based on site worksheets provided by
SFWMD
Positional_Accuracy:
Horizontal_Positional_Accuracy:
Horizontal
Horizontal_Positional_Accuracy_Report:
The horizontal positions of the wells and benchmark
FLGPS65 were established with DGPS technology in
accordance with the Florida Minimum Technical Standards
(Chapter 61G17-6).
Quantitative_Horizontal_Positional_Accuracy_Assessment:
Horizontal_Positional_Accuracy_Value: 1 meter
Horizontal_Positional_Accuracy_Explanation: The intended
positional accuracy for this survey is 1 meter.
Vertical_Positional_Accuracy:
Level Line
Vertical_Positional_Accuracy_Report:
Levels were run between FLGPS_65(AD7901) and
FLGPS_65_AZ_MK(AD7927)the published elevations

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                        agreed within 0.014'.  No additional vertical control was
                        required for this site. The closure exceeded the
                        requirements for vertical control according to the Minimum
                        Technical Standards for surveys (FAC CH 61G17-6).
                        The NGVD 29 elevation established for this survey was
                        determined by using NGS NGVD 29 adjustment of CERP
                        vertical network for benchmark FLGPS_65(AD7901).
                        Closures and accuracies are the same for all datums.
                        Elevations are based on the published value for
                        FLGPS_65.  This point is located near the site.
        Lineage:
                Process_Step:
                        Process_Description:
                                The horizontal work was performed using a Trimble GPS
                                4700 unit with DGPS PRO Beacon for differential
                                corrections. The level line was performed using a ZEISS
                                DINI 20 electronic digital level.
                        Process_Date: 20030320
                        Process_Time: 18000000
Metadata_Reference_Information:
        Metadata_Date: 20030320
        Metadata_Contact:
                Contact_Information:
                        Contact_Person_Primary:
                                Contact_Person: Greg A. Prather, PSM
                                Contact_Organization: Pickett & Associates, Inc.
                        Contact_Position: Director of Surveying
                        Contact_Address:
                                Address_Type: mailing and physical address
                                Address: 475 South First Avenue
                                City: Bartow
                                State_or_Province: Florida
                                Postal_Code: 33830
                                Country: USA
                        Contact_Voice_Telephone: (863) 533-9095
                        Contact_Facsimile_Telephone: (863) 534-1464
                        Contact_Electronic_Mail_Address: gprather@pickett-inc.com
                        Hours_of_Service: 8:00 am to 5:00 pm EST
        Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
        Metadata_Standard_Version: FGDC-STD-001-1998
        Metadata_Time_Convention: Local time
```

Well - USSS

Pickett & Associates, Inc.

Date of Survey: March 11, 2003

Looking: North

Well - USSS

Pickett & Associates, Inc.

Date of Survey: March 11, 2003

Looking: West

Well - USSS

Pickett & Associates, Inc.

Date of Survey: March 11, 2003

Looking: North

Well - BM FLGPS 65

Pickett & Associates, Inc.

Date of Survey: March 11, 2003

Looking: North

Well - BM FLGPS 65

Pickett & Associates, Inc.

Date of Survey: March 11, 2003

Well - BM FLGPS 65

Pickett & Associates, Inc.

Date of Survey: March 11, 2003

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K. ROYER
D. WILLIAMS
C. FULGHUM
3-11-03

561-22 STUMP 12188-1

SITE = USSS

SITE BM = FLGPS

DIGITAL CAMERA

DISC 9 : USSS

PIC	DESCRIPTION
1	BM FLGPS LOOKING NORTH
2	BM FLGPS OVERVIEW
3	BM FLGPS OVERVIEW
4	USSS LOOKING WEST
5	USSS LOOKING NORTH
6	USSS OVERVIEW

BENCHMARK DISC 7

PIC	
15	FLGPS 65 AZMK OVERVIEW
16	FLGPS 65 AZMK LOOKING NORTH

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K. ROYER
D WILLIAMS
C FULGHUM
3-11-03

561-22 SFWMD 12188.1

4400 TRIMBLE DGPS

FILE 12188-0311-03

PNO DESC

197 BM FLGPS605

STEEL ROD IN SLEEVE 60CM BELOW GRD.

198 USSS

199 BM FLGPS605 AZMK
STEEL ROD IN SLEEVE
60CM BELOW GRD.

200 TBM 242 5/8" IRC "REF LB 364"

201 FLGPS605 AZMK = CK 199

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5161-22 SFWMD 12188-1

K. ROYER
D. WILLIAMS
C. FULGHUM
3-12-03

- USSS - LEVEL LINE 17

TP	+	HI	-	EL	
1	5.088	25.488			
2	5.051	28.105	2.434	23.054	
3	5.305	28.669	4.740	23.365	
4	3.893	27.773	4.788	23.881	
5	6.851	26.417	8.206	19.566	-0.014
6	6.498	27.644	5.272	21.145	
7	7.650	27.215	8.079	19.564	
8	4.340	28.351	3.204	24.011	
9	4.499	28.100	4.750	23.601	
10	1.495	24.961	4.634	23.466	
11			4.578	20.383	

BMEL		DESCRIPTION
		"FLGPS 65 AZMK" ROD IN SLEEVE
20.40		
		S.D.
		S.D.
		S.D.
		"FLGPS 65"
19.58		
	GPS 200	TBM 242 5/10" IRC "REF LB 364"
		S.D.
		S.D.
		S.D.
		S.D.
		"FLGPS 65 AZMK"
20.40		

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5/61-22 SFWMD 12188.1

K. ROYER
D WILLIAMS
C FULGHUM
3-12-03

USSS - LEVEL LINE 18

TP	+	HI	-	EL
1	7.929	29.074		
			7.294	21.780
2	6.748	29.497	6.325	22.749
3			8.345	21.157

BMEL	DESCRIPTION
21.145	TBM 241 5/8" IRC "REF LB 364"
	GROUND @ USSS
	MARK ON N END OF PVC 6" REF PT @ USSS
21.145	TBM 241

SOUTH FLORIDA WATER MANAGEMENT DISTRICT Rev. 4/01

COUNTY: Hendry	**PROJECT:** Well Sites	**DESIGNATION:** FLGPS65
SECTION 36	**TOWNSHIP** 46 **SOUTH**	**RANGE** 33 **EAST**
GEOGRAPHIC INDEX OF QUAD: **Florida**		
Established by ___Recovered by___X___ Pickett & Associates, Inc.	**NAME OF QUADRANGLE:** Little Cypress Swamp	
SURVEYOR: Kyle Royer **DATE:** 3/12/2003	**FIELD BOOK:** 561-22 **PAGE:** 120-126	
HORIZONTAL DATUM: NAD 83/99 **ZONE:** EAST		
VERTICAL DATUM: NAVD 1988, NGVD 1929 (NGS CERP adjustment), & NGVD 1929 (SFWMD previously published elevation)		
CONTROL ACCURACY: HORIZONTAL N/A **VERTICAL 1 2 (3)**		

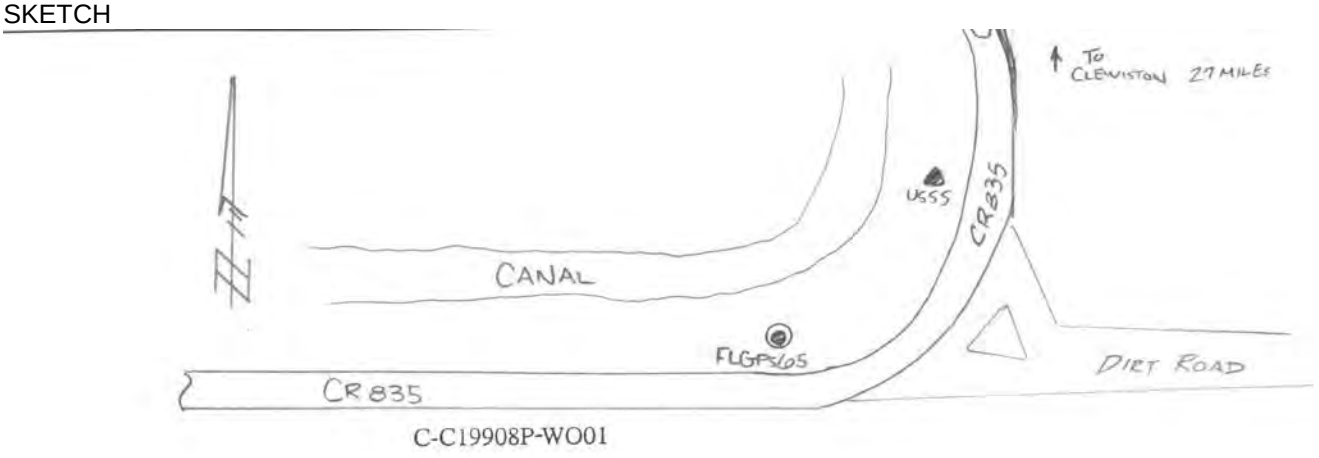
STATE PLANE COORDINATES Feet	**X** 661809	**Y** 763055	**EL. =** 19.580' (NAVD 88) **EL. =** 20.950' (CERP NGVD 29) **EL. =** 21.020' (SFWMD NGVD 29)

LATITUDE: 26°25'58.6" N LONGITUDE: 80°58'57.9" W

DESCRIPTION

To Reach: From the intersection of C.R. 835 and U.S. 27 (Approximately 1 Mile East of Clewiston), go South on C.R. 835 for (27.10 Miles) to the site on the right. The site is 21.0' West of edge of pavement in a curve in the road. Site is 16.0' West of South end of guardrail.
Site benchmark "FLGPS 65" is approximately 800' SW of well at beginning of curve.
Benchmark is 30' North of edge of pavement and 18.0' South of a carsonite witness post.

SKETCH



C-C19908P-WO01

The NGS Data Sheet

See file dsdata.pdf for more information about the datasheet.

```
PROGRAM = datasheet95, VERSION = 8.12.1
1         National Geodetic Survey,   Retrieval Date = APRIL 11, 2017
 AD7901 ***********************************************************************
 AD7901  FBN          -  This is a Federal Base Network Control Station.
 AD7901  DESIGNATION -  FLGPS 65
 AD7901  PID          -  AD7901
 AD7901  STATE/COUNTY-  FL/HENDRY
 AD7901  COUNTRY      -  US
 AD7901  USGS QUAD    -  LITTLE CYPRESS (1990)
 AD7901
 AD7901                         *CURRENT SURVEY CONTROL
 AD7901  ______________________________________________________________________
 AD7901* NAD 83(2011) POSITION- 26 25 58.75824(N) 080 58 57.92963(W)   ADJUSTED
 AD7901* NAD 83(2011) ELLIP HT-   -18.803 (meters)        (06/27/12)   ADJUSTED
 AD7901* NAD 83(2011) EPOCH    -  2010.00
 AD7901* NAVD 88 ORTHO HEIGHT -     5.967 (meters)       19.58   (feet) ADJUSTED
 AD7901  ______________________________________________________________________
 AD7901  GEOID HEIGHT    -        -24.760 (meters)                     GEOID12B
 AD7901  NAD 83(2011) X  -    895,739.363 (meters)                     COMP
 AD7901  NAD 83(2011) Y  - -5,644,481.865 (meters)                     COMP
 AD7901  NAD 83(2011) Z  -  2,822,090.076 (meters)                     COMP
 AD7901  LAPLACE CORR    -         -0.60  (seconds)                    DEFLEC12B
 AD7901  DYNAMIC HEIGHT  -          5.957 (meters)       19.54   (feet) COMP
 AD7901  MODELED GRAVITY -    979,062.3   (mgal)                       NAVD 88
 AD7901
 AD7901  VERT ORDER      -  FIRST     CLASS II
 AD7901
 AD7901  Network accuracy estimates per FGDC Geospatial Positioning Accuracy
 AD7901  Standards:
 AD7901         FGDC (95% conf, cm)     Standard deviation (cm)     CorrNE
 AD7901            Horiz  Ellip           SD_N   SD_E   SD_h      (unitless)
 AD7901  ------------------------------------------------------------------
 AD7901  NETWORK    0.32   0.82           0.13   0.13   0.42     -0.02939821
 AD7901  ------------------------------------------------------------------
 AD7901  Click here for local accuracies and other accuracy information.
 AD7901
 AD7901
 AD7901.The horizontal coordinates were established by GPS observations
 AD7901.and adjusted by the National Geodetic Survey in June 2012.
 AD7901
 AD7901.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
 AD7901.been affixed to the stable North American tectonic plate. See
 AD7901.NA2011 for more information.
 AD7901
 AD7901.The horizontal coordinates are valid at the epoch date displayed above
 AD7901.which is a decimal equivalence of Year/Month/Day.
 AD7901
 AD7901.The orthometric height was determined by differential leveling and
 AD7901.adjusted by the NATIONAL GEODETIC SURVEY
 AD7901.in January 2002.
 AD7901
```

AD7901.Significant digits in the geoid height do not necessarily reflect accuracy.
AD7901.GEOID12B height accuracy estimate available here.
AD7901
AD7901.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AD7901
AD7901.The Laplace correction was computed from DEFLEC12B derived deflections.
AD7901
AD7901.The ellipsoidal height was determined by GPS observations
AD7901.and is referenced to NAD 83.
AD7901
AD7901.The dynamic height is computed by dividing the NAVD 88
AD7901.geopotential number by the normal gravity value computed on the
AD7901.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AD7901.degrees latitude (g = 980.6199 gals.).
AD7901
AD7901.The modeled gravity was interpolated from observed gravity values.
AD7901
AD7901. The following values were computed from the NAD 83(2011) position.
AD7901
AD7901;   North   East   Units Scale Factor Converg.
AD7901;SPC FL E   -   232,583.498   201,719.728   MT 0.99994121   +0 00 27.6
AD7901;SPC FL E   -   763,067.69   661,808.81   sFT 0.99994121   +0 00 27.6
AD7901;UTM 17   - 2,923,636.123   501,719.141   MT 0.99960004   +0 00 27.6
AD7901
AD7901!   - Elev Factor x Scale Factor =   Combined Factor
AD7901!SPC FL E   -   1.00000295 x   0.99994121 =   0.99994416
AD7901!UTM 17   -   1.00000295 x   0.99960004 =   0.99960299
AD7901
AD7901:   Primary Azimuth Mark   Grid Az
AD7901:SPC FL E   - FLGPS 65 AZ MK   267 50 37.0
AD7901:UTM 17   - FLGPS 65 AZ MK   267 50 37.0
AD7901
AD7901_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK0171923636(NAD 83)
AD7901
AD7901|---|
AD7901| PID   Reference Object   Distance   Geod. Az |
AD7901| dddmmss.s |
AD7901| AD7927 FLGPS 65 AZ MK   APPROX. 0.6 KM 2675104.6 |
AD7901|---|
AD7901
AD7901   SUPERSEDED SURVEY CONTROL
AD7901
AD7901 NAD 83(2007)- 26 25 58.75838(N)   080 58 57.93028(W) AD(2002.00) 0
AD7901 ELLIP H (02/10/07) -18.783 (m)   GP(2002.00)
AD7901 NAD 83(1999)- 26 25 58.75860(N)   080 58 57.93013(W) AD(   ) A
AD7901 ELLIP H (04/12/01) -18.779 (m)   GP(   ) 4 1
AD7901 NAD 83(1990)- 26 25 58.75722(N)   080 58 57.93074(W) AD(   ) B
AD7901 ELLIP H (09/13/90) -18.738 (m)   GP(   ) 4 1
AD7901 NAVD 88   5.97   (m)   19.6   (f) LEVELING   3
AD7901 NAVD 88 (04/12/01)   6.0   (m) UNKNOWN model used   GPS OBS
AD7901 NAVD 88 (03/08/99)   5.9   (m) UNKNOWN model used   GPS OBS
AD7901 NAVD 88 (07/14/97)   6.0   (m) GEOID96 model used   GPS OBS
AD7901 NAVD 88 (04/22/94)   5.8   (m) GEOID93 model used   GPS OBS
AD7901 NGVD 29 (09/13/90)   6.5   (m) FFT MET model used   GPS OBS
AD7901
AD7901.Superseded values are not recommended for survey control.
AD7901
AD7901.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AD7901.See file dsdata.pdf to determine how the superseded data were derived.
AD7901

AD7901_MARKER: F = FLANGE-ENCASED ROD
AD7901_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)
AD7901_STAMPING: FLGPS 65 1989
AD7901_MARK LOGO: NGS
AD7901_PROJECTION: FLUSH
AD7901_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
AD7901_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
AD7901_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AD7901+SATELLITE: SATELLITE OBSERVATIONS - March 05, 2009
AD7901_ROD/PIPE-DEPTH: 25.6 meters
AD7901_SLEEVE-DEPTH : .9 meters
AD7901

AD7901	HISTORY	- Date	Condition	Report By
AD7901	HISTORY	- 1989	MONUMENTED	NGS
AD7901	HISTORY	- 19920601	GOOD	FL-099
AD7901	HISTORY	- 19951221	GOOD	NGS
AD7901	HISTORY	- 19980715	GOOD	GCYI
AD7901	HISTORY	- 19990405	GOOD	USGS
AD7901	HISTORY	- 19990803	GOOD	BAH
AD7901	HISTORY	- 20010713	GOOD	MOREKL
AD7901	HISTORY	- 2002	GOOD	MAPTEC
AD7901	HISTORY	- 20020227	GOOD	MAPTEC
AD7901	HISTORY	- 20030222	GOOD	FLDEP
AD7901	HISTORY	- 20090305	GOOD	PICKET

AD7901
AD7901 STATION DESCRIPTION
AD7901
AD7901'DESCRIBED BY NATIONAL GEODETIC SURVEY 1989
AD7901'THE STATION IS LOCATED ABOUT 36.2 KM (22.50 MI) SOUTH OF CLEWISTON,
AD7901'44.3 KM (27.55 MI) EAST OF IMMOKALEE, IN SECTION 36, T 46 S, R 33 E,
AD7901'IN THE RIGHT-OF-WAY OF COUNTY ROAD 846. OWNERSHIP--HENDRY COUNTY
AD7901'TO REACH THE STATION FROM THE JUNCTION OF COUNTY ROAD 833 AND COUNTY
AD7901'ROAD 846, SOUTH OF CLEWISTON, GO EAST ON COUNTY ROAD 846 4.3 KM
AD7901'(2.65 MI) TO A SHARP TURN NORTH AND THE STATION ON THE LEFT.
AD7901'THE STATION IS RECESSED 8 CM BELOW GROUND. LOCATED 4.5 M (14.8 FT)
AD7901'SOUTH OF A FENCE LINE, 11.9 M (39.0 FT) NORTH OF THE CENTERLINE OF
AD7901'COUNTY ROAD 846, 26.7 M (87.6 FT) SOUTHWEST OF THE SOUTH END OF AN OLD
AD7901'SLUICE GATE IN CANAL AND 3.99 M (13.1 FT) SOUTH OF A WITNESS POST.
AD7901'DESCRIBED BY R.L. MALLOY.
AD7901
AD7901 STATION RECOVERY (1992)
AD7901
AD7901'RECOVERY NOTE BY PALM BEACH COUNTY FLORIDA 1992
AD7901'RECOVERED IN GOOD CONDITION.
AD7901
AD7901 STATION RECOVERY (1995)
AD7901
AD7901'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1995 (CFS)
AD7901'THE STATION IS LOCATED ABOUT 22.50 MI (36.21 KM) SOUTH OF CLEWISTON,
AD7901'27.55 MI (44.34 KM) EAST OF IMMOKALEE, 25 MI (40.2 KM) NORTH-NORTHWEST
AD7901'OF INTERSTATE FREEWAY 75 AND COUNTY ROAD 833 JUNCTION, IN SECTION 36,
AD7901'T 46 S, R 33 E, IN THE RIGHT-OF-WAY OF COUNTY ROAD 835. OWNERSHIP --
AD7901'HENDRY COUNTY. NOTE -- ON ROADWAY MAPS, COUNTY ROAD 835 IS INDICATED
AD7901'AS COUNTY ROAD 846. TO REACH THE STATION FROM THE JUNCTION OF COUNTY
AD7901'ROAD 833 AND COUNTY ROAD 835, SOUTH OF CLEWISTON, GO EAST ON COUNTY
AD7901'ROAD 835 FOR 2.8 MI (4.5 KM) TO A SHARP TURN LEFT, NORTH, TO THE
AD7901'STATION ON THE LEFT AT BEGINNING OF TURN. THE STATION IS RECESSED 6
AD7901'CM BELOW GROUND. LOCATED 87.6 FT (26.7 M) SOUTHWEST OF THE SOUTH END
AD7901'OF AN OLD SLUICE GATE IN CANAL, 39.56 FT (12.06 M) FROM THE CENTER
AD7901'LINE OF COUNTY ROAD 835 AND 14.0 FT (4.3 M) SOUTH OF A WITNESS POST.

AD7901'THE STATION IS APPROXIMATELY 3.0 FT (0.9 M) BELOW LEVEL OF COUNTY ROAD
AD7901'835. NOTE -- ACCESS TO DATUM POINT IS THROUGH 5-INCH LOGO CAP.
AD7901'RECOVERED IN GOOD CONDITION.
AD7901
AD7901 STATION RECOVERY (1998)
AD7901
AD7901'RECOVERY NOTE BY G.C.Y., INCORPORATED 1998 (GCY)
AD7901'RECOVERED AS DESCRIBED.
AD7901
AD7901 STATION RECOVERY (1999)
AD7901
AD7901'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1999
AD7901'RECOVERED AS DESCRIBED.
AD7901
AD7901 STATION RECOVERY (1999)
AD7901
AD7901'RECOVERY NOTE BY BERRYMAN & HENIGAR 1999 (KK)
AD7901'RECOVERED AS DESCRIBED.
AD7901
AD7901 STATION RECOVERY (2001)
AD7901
AD7901'RECOVERY NOTE BY MORGAN AND EKLUND INC 2001 (PDW)
AD7901'RECOVERED AS DESCRIBED.
AD7901
AD7901 STATION RECOVERY (2002)
AD7901
AD7901'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CDP)
AD7901'RECOVERED AS DESCRIBED
AD7901'
AD7901'STATION RECOVERY (2002)
AD7901'RECOVERY NOTE BY MAPTECH, INCORPORATED 2002 (CP)
AD7901'RECOVERED AS DESCRIBED.
AD7901
AD7901 STATION RECOVERY (2002)
AD7901
AD7901'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (RLT)
AD7901'RECOVERED AS DESCRIBED WITH THE FOLLOWING CHANGES
AD7901'
AD7901'COUNTY ROAD 846 NEEDS TO BE CHANGED TO 835 IN DESCRIPTION
AD7901
AD7901 STATION RECOVERY (2003)
AD7901
AD7901'RECOVERY NOTE BY FL DEPT OF ENV PRO 2003 (JLM)
AD7901'THE MARK IS ABOUT 27.5 MI EAST OF IMMOKALEE, 26.5 MI SOUTH OF
AD7901'CLEWISTON, IN SECTION 36, TOWNSHIP 46 SOUTH, RANGE 33 EAST.
AD7901'
AD7901'TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 27 EASTBOUND LANES
AD7901'AND COUNTY ROAD 835 (EVERCANE ROAD) ON THE EAST SIDE OF CLEWISTION,
AD7901'GO SOUTH ON COUNTY ROAD 835 (EVERCANE ROAD) FOR 11.5 MI TO THE
AD7901'INTERSECTION OF COUNTY ROAD 835 AND CANAL L-1, CONTINUE WEST ON
AD7901'COUNTY ROAD 835 (ALSO KNOW AS COUNTY ROAD 846) FOR 15.0 MI TO A 90
AD7901'DEGREE BEND RIGHT (WEST) AND A DIRT ROAD ON THE LEFT, CONTINUE WEST ON
AD7901'COUNTY ROAD 835 FOR 0.1 MI TO THE MARK ON THE RIGHT, A STAINLESS
AD7901'STEEL ROD DRIVEN INTO THE GROUND WITH A NGS LOGO CAP FLUSH WITH THE
AD7901'GROUND AND 1.0 FT BELOW THE LEVEL OF COUNTY ROAD 835, THE DATUM POINT
AD7901'IS RECESSED 0.3 FT BELOW THE LEVEL OF THE NGS LOGO CAP.
AD7901'
AD7901'LOCATED 39.5 FT NORTH OF THE CENTERLINE OF COUNTY ROAD 835 AND 14.0 FT
AD7901'SOUTH OF A CARSONITE WITNESS POST.
AD7901'

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AD7901'NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH NGS LOGO CAP.
AD7901'
AD7901'NOTE A BAR MAGNET WAS PLACED INSIDE OF THE NGS LOGO CAP.
AD7901
AD7901                          STATION RECOVERY (2009)
AD7901
AD7901'RECOVERY NOTE BY PICKETT AND ASSOCIATES 2009 (JM)
AD7901'RECOVERED AS DESCRIBED

*** retrieval complete.
Elapsed Time = 00:00:06
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The NGS Data Sheet

See file dsdata.pdf for more information about the datasheet.

```
PROGRAM = datasheet95, VERSION = 8.12.1
1         National Geodetic Survey,   Retrieval Date = APRIL 11, 2017
 AD7927 ***********************************************************************
 AD7927  DESIGNATION -  FLGPS 65 AZ MK
 AD7927  PID         -  AD7927
 AD7927  STATE/COUNTY-  FL/HENDRY
 AD7927  COUNTRY     -  US
 AD7927  USGS QUAD   -  LITTLE CYPRESS (1990)
 AD7927
 AD7927                        *CURRENT SURVEY CONTROL
 AD7927  ______________________________________________________________________
 AD7927* NAD 83(2011) POSITION- 26 25 57.99469(N) 080 59 20.51913(W)   ADJUSTED
 AD7927* NAD 83(2011) ELLIP HT-   -18.539 (meters)        (06/27/12)   ADJUSTED
 AD7927* NAD 83(2011) EPOCH   -  2010.00
 AD7927* NAVD 88 ORTHO HEIGHT -     6.218 (meters)       20.40   (feet) ADJUSTED
 AD7927  ______________________________________________________________________
 AD7927  GEOID HEIGHT    -        -24.756 (meters)                     GEOID12B
 AD7927  NAD 83(2011) X  -    895,122.867 (meters)                     COMP
 AD7927  NAD 83(2011) Y  - -5,644,590.495 (meters)                     COMP
 AD7927  NAD 83(2011) Z  -  2,822,069.151 (meters)                     COMP
 AD7927  LAPLACE CORR    -         -0.61  (seconds)                    DEFLEC12B
 AD7927  DYNAMIC HEIGHT  -          6.208 (meters)       20.37   (feet) COMP
 AD7927  MODELED GRAVITY -    979,062.0   (mgal)                       NAVD 88
 AD7927
 AD7927  VERT ORDER      -  FIRST     CLASS II
 AD7927
 AD7927  Network accuracy estimates per FGDC Geospatial Positioning Accuracy
 AD7927  Standards:
 AD7927         FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
 AD7927            Horiz  Ellip           SD_N   SD_E   SD_h       (unitless)
 AD7927  ------------------------------------------------------------------
 AD7927  NETWORK    0.81   1.37           0.31   0.35   0.70     -0.08159172
 AD7927  ------------------------------------------------------------------
 AD7927  Click here for local accuracies and other accuracy information.
 AD7927
 AD7927
 AD7927.The horizontal coordinates were established by GPS observations
 AD7927.and adjusted by the National Geodetic Survey in June 2012.
 AD7927
 AD7927.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
 AD7927.been affixed to the stable North American tectonic plate. See
 AD7927.NA2011 for more information.
 AD7927
 AD7927.The horizontal coordinates are valid at the epoch date displayed above
 AD7927.which is a decimal equivalence of Year/Month/Day.
 AD7927
 AD7927.The orthometric height was determined by differential leveling and
 AD7927.adjusted by the NATIONAL GEODETIC SURVEY
 AD7927.in January 2002.
 AD7927
 AD7927.Significant digits in the geoid height do not necessarily reflect accuracy.
```

AD7927.GEOID12B height accuracy estimate available here.
AD7927
AD7927.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AD7927
AD7927.The Laplace correction was computed from DEFLEC12B derived deflections.
AD7927
AD7927.The ellipsoidal height was determined by GPS observations
AD7927.and is referenced to NAD 83.
AD7927
AD7927.The dynamic height is computed by dividing the NAVD 88
AD7927.geopotential number by the normal gravity value computed on the
AD7927.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AD7927.degrees latitude (g = 980.6199 gals.).
AD7927
AD7927.The modeled gravity was interpolated from observed gravity values.
AD7927
AD7927. The following values were computed from the NAD 83(2011) position.
AD7927

		North	East	Units	Scale Factor	Converg.
AD7927;SPC FL E	-	232,559.931	201,093.863	MT	0.99994119	+0 00 17.6
AD7927;SPC FL E	-	762,990.37	659,755.45	sFT	0.99994119	+0 00 17.6
AD7927;UTM 17	-	2,923,612.564	501,093.490	MT	0.99960001	+0 00 17.6

AD7927

		Elev Factor	x	Scale Factor	=	Combined Factor
AD7927!SPC FL E	-	1.00000291	x	0.99994119	=	0.99994410
AD7927!UTM 17	-	1.00000291	x	0.99960001	=	0.99960292

AD7927

		Primary Azimuth Mark	Grid Az
AD7927:SPC FL E	-	FLGPS 65	087 50 36.9
AD7927:UTM 17	-	FLGPS 65	087 50 36.9

AD7927
AD7927_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK0109323612(NAD 83)
AD7927

PID	Reference Object	Distance	Geod. Az dddmmss.s
AD7927| AD7901	FLGPS 65	APPROX. 0.6 KM	0875054.5

AD7927
AD7927 SUPERSEDED SURVEY CONTROL
AD7927

AD7927 NAD 83(2007)-	26 25 57.99474(N)	080 59 20.51965(W)	AD(2002.00)	0		
AD7927 ELLIP H (02/10/07)	-18.520 (m)		GP(2002.00)			
AD7927 NAD 83(1999)-	26 25 57.99489(N)	080 59 20.51940(W)	AD( )	1		
AD7927 ELLIP H (12/13/01)	-18.517 (m)		GP( )	5	1	
AD7927 NAD 83(1990)-	26 25 57.99351(N)	080 59 20.52001(W)	AD( )	1		
AD7927 NAVD 88	6.22 (m)	20.4 (f)	LEVELING	3		
AD7927 NGVD 29 (02/04/91)	6.7 (m)	RAPSU86 model used	GPS OBS			

AD7927
AD7927.Superseded values are not recommended for survey control.
AD7927
AD7927.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AD7927.See file dsdata.pdf to determine how the superseded data were derived.
AD7927
AD7927_MARKER: F = FLANGE-ENCASED ROD
AD7927_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)
AD7927_STAMPING: FLGPS 65 AZ MK 1989
AD7927_MARK LOGO: NGS
AD7927_PROJECTION: RECESSED 5 CENTIMETERS
AD7927_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

AD7927_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
AD7927_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AD7927+SATELLITE: SATELLITE OBSERVATIONS - February 22, 2003
AD7927_ROD/PIPE-DEPTH: 20.2 meters
AD7927_SLEEVE-DEPTH : 0.91 meters
AD7927
AD7927 HISTORY - Date Condition Report By
AD7927 HISTORY - 1989 MONUMENTED NGS
AD7927 HISTORY - 20010713 GOOD MOREKL
AD7927 HISTORY - 2002 GOOD MAPTEC
AD7927 HISTORY - 20030222 GOOD FLDEP
AD7927
AD7927 STATION DESCRIPTION
AD7927
AD7927'DESCRIBED BY NATIONAL GEODETIC SURVEY 1989
AD7927'THE STATION IS LOCATED ABOUT 36.2 KM (22.50 MI) SOUTH OF CLEWISTON,
AD7927'44.3 KM (27.55 MI) EAST OF IMMOKALEE, IN SECTION 36, T 46 S, R 33 E,
AD7927'IN THE RIGHT-OF-WAY OF COUNTY ROAD 846. OWNERSHIP--HENDRY COUNTY.
AD7927'TO REACH THE STATION FROM THE JUNCTION OF COUNTY ROAD 833 AND COUNTY
AD7927'ROAD 846, SOUTH OF CLEWISTON, GO EAST ALONG COUNTY ROAD 846 FOR 3.7 KM
AD7927'(2.30 MI) TO THE STATION ON THE LEFT.
AD7927'THE STATION IS RECESSED 8 CM BELOW GROUND. LOCATED 5.9 M (19.4 FT)
AD7927'SOUTH OF A FENCE LINE, 9.8 M (32.2 FT) NORTH OF THE CENTERLINE OF
AD7927'COUNTY ROAD 846, 24.7 M (81.0 FT) NORTH OF A UTS PEDESTAL NUMBER 1491
AD7927'LP3, 81.1 M (266.1 FT) WEST OF THE WEST EDGE OF CANAL HEADWALL AND
AD7927'5.49 M (18.0 FT) SOUTH OF A WITNESS POST.
AD7927'DESCRIBED BY R.L. MALLOY.
AD7927
AD7927 STATION RECOVERY (2001)
AD7927
AD7927'RECOVERY NOTE BY MORGAN AND EKLUND INC 2001 (PDW)
AD7927'RECOVERED AS DESCRIBED.
AD7927
AD7927 STATION RECOVERY (2002)
AD7927
AD7927'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CDP)
AD7927'RECOVERED AS DESCRIBED
AD7927'
AD7927'STATION RECOVERY (2002)
AD7927'RECOVERY NOTE BY MAPTECH, INCORPORATED 2002 (CP)
AD7927'RECOVERED AS DESCRIBED.
AD7927
AD7927 STATION RECOVERY (2003)
AD7927
AD7927'RECOVERY NOTE BY FL DEPT OF ENV PRO 2003 (JLM)
AD7927'THE MARK IS ABOUT 27.0 MI EAST OF IMMOKALEE, 27.0 MI SOUTH OF
AD7927'CLEWISTON IN SECTION 36, TOWNSHIP 46 SOUTH, RANGE 33 EAST.
AD7927'
AD7927'TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 27 EASTBOUND LANES
AD7927'AND COUNTY ROAD 835 (EVERCANE ROAD) ON THE EAST SIDE OF CLEWISTION,
AD7927'GO SOUTH ON COUNTY ROAD 835 (EVERCANE ROAD) FOR 11.5 MI TO THE
AD7927'INTERSECTION OF COUNTY ROAD 835 AND CANAL L-1, CONTINUE WEST ON
AD7927'COUNTY ROAD 835 (ALSO KNOW AS COUNTY ROAD 846) FOR 15.0 MI TO A 90
AD7927'DEGREE BEND RIGHT (WEST) AND A DIRT ROAD ON THE LEFT, CONTINUE WEST ON
AD7927'COUNTY ROAD 835 FOR 0.5 MI TO THE MARK ON THE RIGHT, A STAINLESS
AD7927'STEEL ROD DRIVEN INTO THE GROUND WITH A NGS LOGO CAP RECESSED 0.2 FT
AD7927'BELOW THE LEVEL OF THE GROUND AND 2.0 FT BELOW THE LEVEL OF COUNTY
AD7927'ROAD 835, THE DATUM POINT IS RECESSED 0.4 FT BELOW THE LEVEL OF THE
AD7927'NGS LOGO CAP.
AD7927'

AD7927'LOCATED 266.0 FT WEST OF THE WEST EDGE OF THE CANAL HEADWALL, 32.2 FT
AD7927'NORTH OF THE CENTERLINE OF COUNTY ROAD 835, 23.0 FT SOUTH OF THE
AD7927'SOUTH BANK OF THE CANAL AND 18.0 FT SOUTH OF A CARSONITE WITNESS
AD7927'POST.
AD7927'
AD7927'NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH NGS LOGO CAP.
AD7927'
AD7927'NOTE A BAR MAGNET WAS PLACED INSIDE OF THE NGS LOGO CAP.

*** retrieval complete.
Elapsed Time = 00:00:09

NAVD88 Level Line

Start-Line						
FLGPS65					19.580	
FLGPS65	Rb	6.851	HD	229.720		
242	Rf	5.272	HD	267.720		
242					21.159	
242	Rb	6.498	HD	267.060		
	Rf	8.079	HD	233.300		
					19.578	
	Rb	7.650	HD	257.180		
	Rf	3.204	HD	287.200		
					24.024	
	Rb	4.340	HD	322.540		
	Rf	4.750	HD	306.660		
					23.614	
	Rb	4.499	HD	315.910		
10	Rf	4.634	HD	329.790		
10					23.479	
10	Rb	1.495	HD	143.370		
FLGPS65A	Rf	4.578	HD	102.690		
FLGPS65A					20.396	
FLGPS65A			dz	0.017		
FLGPS65A	Db	#######	Df	2577.720		
End-Line					20.400	
					-0.004	ACTUAL ERROR
				3063.140		TOTAL DISTANCE
			1/	-765785.000		PRECISION
				0.038		MTS ALLOWABLE ERROR

FLGPS65	19.580
242	21.160
7	19.579
8	24.026
9	23.617
10	23.482
FLGPS65A	20.400

NGVD29 Level Line

Start-Line						
FLGPS65					20.950	
FLGPS65	Rb	6.851	HD	229.720		
242	Rf	5.272	HD	267.720		
242					22.529	
242	Rb	6.498	HD	267.060		
7	Rf	8.079	HD	233.300		
7					20.948	
7	Rb	7.650	HD	257.180		
8	Rf	3.204	HD	287.200		
8					25.394	
8	Rb	4.340	HD	322.540		
9	Rf	4.750	HD	306.660		
9					24.984	
9	Rb	4.499	HD	315.910		
10	Rf	4.634	HD	329.790		
10					24.849	
10	Rb	1.495	HD	143.370		
FLGPS65A	Rf	4.578	HD	102.690		
FLGPS65A					21.766	
FLGPS65A			dz	0.017		
FLGPS65A	Db	#######	Df	2577.720		
End-Line					21.770	
					-0.004	ACTUAL ERROR
				3063.140		TOTAL DISTANCE
			1/	-765785.000		PRECISION
				0.038		MTS ALLOWABLE ERROR

FLGPS65	20.950
242	22.530
7	20.949
8	25.396
9	24.987
10	24.852
FLGPS65A	21.770

Office

Project

11 April 2017

INPUT	OUTPUT
Geographic, flhpgn - Florida HPGN	State Plane, flhpgn - Florida HPGN
Vertical - NAVD88, U.S. Feet	0901 - Florida East, U.S. Feet
	Vertical - NGVD29 (Custom), U.S. Feet

USSS

1/1

Latitude:	26 26 02.1	**Northing/Y:**	763405.197
Longitude:	80 58 50.1	**Easting/X:**	662520.464
Elevation/Z:	0	**Elevation/Z:**	1.381
		Convergence:	0 00 31.11706
		Scale Factor:	0.999941223
		Combined Factor:	0.999945038

Remark:

Corpscon v6.0.1, U.S. Army Corps of Engineers