

Identification Information:

Citation:

Citation Information:

**Sherry Kopec**

**Pickett & Associates, Inc.**

Originator: Sherry Kopec(comp.)  
Originator: Pickett & Associates, Inc. (ed.)  
Publication\_Date: Unpublished material  
Publication\_Time: Unknown  
Title: S. F. W. M. D. Well CRS02  
Edition: 1  
Publication Information:  
Publication\_Place: Not published  
Publisher: None  
Online\_Linkage: skopec@pickett-inc.com

Description:

Abstract:

South Florida Water Management District  
Well CRS02

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 combination locks on the wells.  
See point of contact for combinations.

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: -081° 14' 02. 4"  
East\_Bounding\_Coordinate: -081° 14' 00. 7"  
North\_Bounding\_Coordinate: +26° 47' 22. 9"  
South\_Bounding\_Coordinate: +26° 47' 19. 8"

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 CRS02  
Place\_Keyword: Sec. 28, Twp. 42 S., Rge. 31 E.  
Place\_Keyword: Glades County, Florida  
Place\_Keyword\_Thesaurus: Geographic Names Information System  
Place\_Keyword: Florida  
Place\_Keyword: Glades County  
Place\_Keyword: CRS02

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

**Elvie Ebanks**

**SFWMD**

## Data\_Quality\_Information:

## Attribute\_Accuracy:

## Attribute\_Accuracy\_Report:

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.

Vertical data were established with differential leveling using control point HEN\_47(AD8259).

## Completeness\_Report:

Horizontal location taken at approximate center of wells.

**CRS02N**

Well CRS02N

Lat. +26°47' 22.9"

Long. -081°14' 00.7"

N 892795

E 579986

Existing reference mark is an arrow on the inside of the west side of a 2" PVC pipe with the elevation taken on top of the rim of the pipe with an NGVD 29 elevation of 23.63' on GW Well #1 and 23.27' on GW Well #2 Dated 10/28/99 with initials EE/AW.

**GW1**

New leveled elevations.

22.339' (NAVD 88)

23.639' (NGVD 29) based on superseded elevation on benchmark HEN\_47(AD8259)

Well WMD (6' East of CRS02N)

Lat. +26°47' 22.9"

Long. -081°14' 00.7"

N 892792

E 579989

Existing reference mark is an arrow on the top of a 2" PVC pipe with the elevation taken on top of the rim of the pipe with an NGVD 29 elevation of 23.27'.

**GW2**

New leveled elevations.

21.984' (NAVD 88)

23.284' (NGVD 29) based on superseded elevation on benchmark HEN\_47(AD8259)

**CRS02F**

Well CRS02F

Lat. +26°47' 19.8"

Long. -081°14' 02.4"

N 892487

E 579828

Existing reference mark is an arrow on the inside of the south side of a 2" PVC pipe with the elevation taken on top of the rim of the pipe with an NGVD 29 elevation of 16.865' for GW #1 and 16.860' for GW #2 Dated 10/28/99 with initials EE/AW.

**GW1**

New leveled elevations.

15.574' (NAVD 88)

16.874' (NGVD 29) based on superseded elevation on benchmark HEN\_47(AD8259)

Well UNMARKED (6' West of CRS02F)

Lat. +26°47' 19.8"

Long. -081°14' 02.5"

N 892489

E 579825

Existing reference mark is an arrow on the inside of the NE side of a 2" PVC pipe with the elevation taken on top of the rim of the pipe with an NGVD 29 elevation of 16.86'.

**GW2**

New leveled elevations.

15.560' (NAVD 88)

16.860' (NGVD 29) based on superseded elevation on benchmark HEN\_47(AD8259)

Site Benchmark.

OWWR/W is a 4" X 4" Concrete Monument with disc

stamped "CORPS OF ENGINEERS - U. S. ARMY OWW  
R/W JAX FL 1988".

To reach from the Courthouse in Labelle, go East on  
S. R. 80 (13.3 Miles) to Indian Hills Drive. Turn left and go  
North on Indian Hills Drive for (0.60 Miles) to Asphalt Road  
on left. Turn left and go West on Asphalt Road (0.10  
Miles) to the intersection of Pinky's Place and Victoria  
Drive. Turn right and go North on Victoria Drive (0.60  
Miles) to entrance to River Haven Park Unit 1. Continue  
North for (0.15 Miles) to an Asphalt Parking Lot at The  
Branding Iron Steakhouse & Saloon. Turn left and go  
West for 300' +/- to an iron gate. Continue West through  
gate for 300' +/- to the station. Station CRS02F is 200' +/-  
South in wetland marsh. Site benchmark OWW R/W is 20'  
+/- South and 1.0' South of witness post.

United States Department of the Interior Geological Survey  
Quadrangle Map -- LAKE HICPOCHEE

Location of OWWR/W

Lat. +26° 47' 22.5"

Long. -081° 14' 01.0"

N 892753

E 579960

Elevations.

20.402' (NAVD 88)

21.702' (NGVD 29) based on superseded elevation on  
benchmark HEN\_47(AD8259)

Positional\_Accuracy:

Horizontal\_Positional\_Accuracy:

**Horizontal**

Horizontal\_Positional\_Accuracy\_Report:

The horizontal positions of the wells and benchmark  
OWWR/W 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:

Vertical\_Positional\_Accuracy\_Report:

Levels were run between B\_413(AD8260) and  
HEN\_47(AD8259) the published elevations agreed within  
0.01'. A level line was run from HEN\_47(AD8259) to the  
site benchmark and back. 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 superseded elevation for benchmark  
HEN\_47(AD8259). SFWMD published elevation on  
benchmark OWWR/W agreed with the superseded  
elevation.

Quantitative\_Vertical\_Positional\_Accuracy\_Assessment:

Vertical\_Positional\_Accuracy\_Value: 0.004 m

0.004m closure in 5,872m, max. allowed 0.029m (MTS)

Quantitative\_Vertical\_Positional\_Accuracy\_Assessment:

Vertical\_Positional\_Accuracy\_Value: 0.004 m

0.004m closure in 5,872m, max. allowed 0.029m (MTS)

Li neage:

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: 20030318

Process\_Time: 18000000

Metadata\_Reference\_Information:

Metadata\_Date: 20030318

Metadata\_Contact:

Contact\_Information:

Contact\_Person\_Primary:

WELL-CRS02.met

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

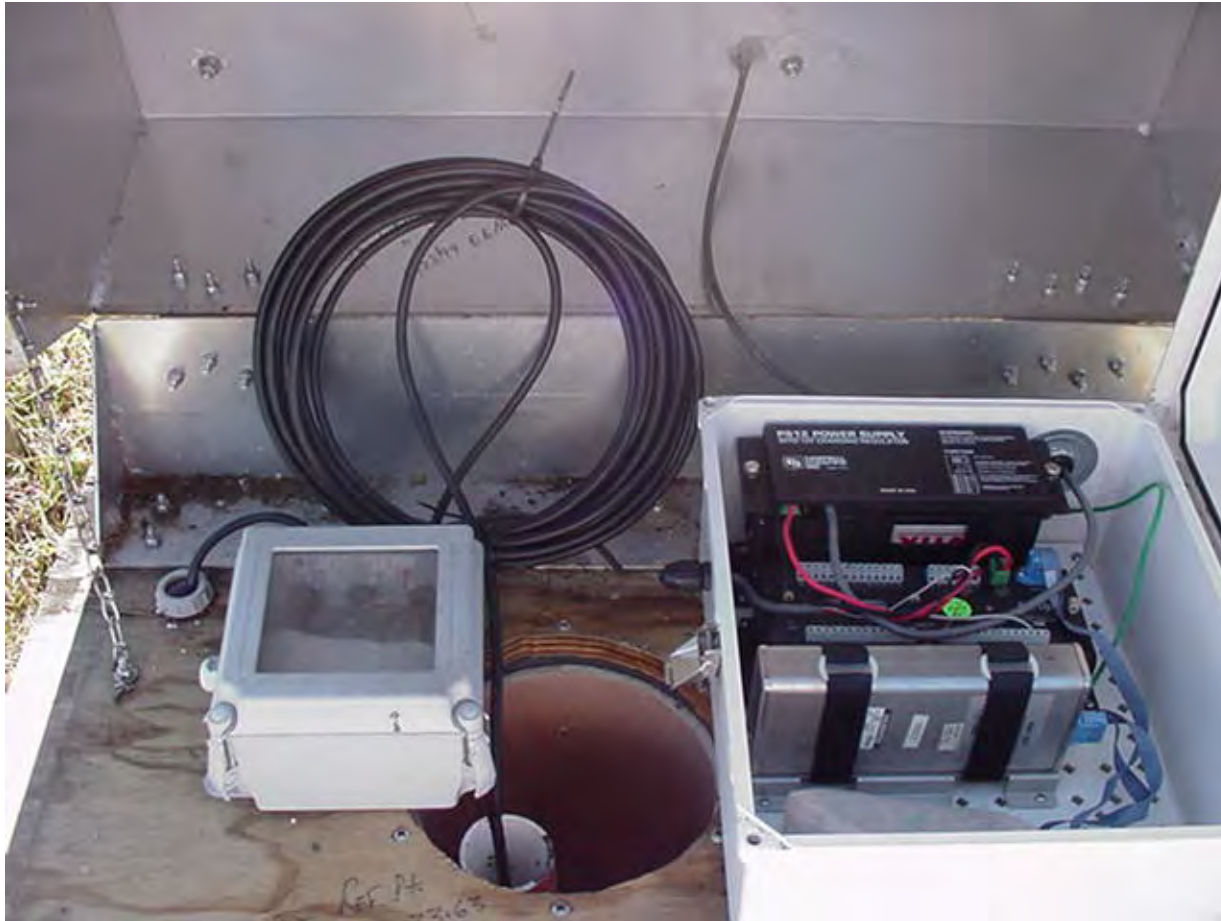
## Well - CRS 02 N



Pickett & Associates, Inc.  
Date of Survey: February 18, 2003  
Looking: North



# Well - CRS 02 N



Pickett & Associates, Inc.  
Date of Survey: February 18, 2003  
Looking: South

## Well - WMD (6' East of CRS 02 N)



Pickett & Associates, Inc.  
Date of Survey: February 18, 2003  
Looking: South



## Well - WMD (6' East of CRS 02 N)



Pickett & Associates, Inc.

Date of Survey: February 18, 2003

Looking: South



# Well - CRS 02F



Pickett & Associates, Inc.  
Date of Survey: February 18, 2003  
Looking: North

## Well - CRS 02F



Pickett & Associates, Inc.  
Date of Survey: February 18, 2003  
Looking: North

Well - UNMARKED (6' West of CRS 02 F)



Pickett & Associates, Inc.  
Date of Survey: February 18, 2003  
Looking: North



Well - UNMARKED (6' West of CRS 02 F)



Pickett & Associates, Inc.

Date of Survey: February 18, 2003

Looking: North



# Well - BM OWW R/W



Pickett & Associates, Inc.  
Date of Survey: February 18, 2003  
Looking: North

# Well - BM OWW R/W



Pickett & Associates, Inc.  
Date of Survey: February 18, 2003



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SKUMS 12188-1

K ROYER  
P SWAN  
2-10-03

## MONITORING WELLS

- ① CRS 02N
- ② WMD
- ③ CRS 02F
- ④ WELL UNMARKED 6' WEST OF CRS 02F

SITE  
BENCHMARK

- ① OWW R/W

TRIMBLE 4700 DGPS

FILE 12188- 0218

PNO	DESC
104	CRS 02F
105	WELL UNMARKED 6' W OF CRS 02F
106	BM OWW R/W
107	CRS 02N
108	WMD
	DIGITAL CAMERA
	DISC: 2

PICTURE	DESCRIPTION
1	CRS 02F (LOOKING NORTH)
2	UNMARKED WELL 6' W OF CRS 02F (LOOKING N.)
3	UNMARKED WELL 6' W OF CRS 02F (OVERHEAD)
4	CRS 02F (OVERHEAD) INTERIOR
5	CRS 02N & WMD (LOOKING SOUTH)
6	CRS 02N INTERIOR (OVERHEAD)
7	WMD INTERIOR (OVERHEAD)
8	WELL SITE CRS 02N (LOOKING NORTH)
9	BENCHMARK OWW R/W
10	BENCHMARK LOCATION (LOOKING NORTH)

34

501-22

SFWMD 12188-2

K ROYER  
P SUDAN  
2-20-03LEVELS FOR  
SITE CRS 02N

TP	+	HI	-	EL
1	7.301	25.641		
2	4.603	25.506	4.738	20.903
3	4.285	25.582	4.209	21.297
4	4.301	25.360	4.523	21.060
5	4.564	25.632	4.292	21.068
6	3.378	24.272	4.738	20.894
7	4.978	24.021	5.229	19.043
8	3.398	21.988	5.431	18.590
9	4.871	23.582	3.278	18.711
10	3.160	23.640	3.042	20.540

CONT ON P. 36

BMEL

DESCRIPTION

18.34

B413

SCREWDRIER

SCREWDRIER

SCREWDRIER

SCREWDRIER

PK NAIL (BRASS DISC) 4.5 36.4"  
S.EOP SR 80 TBM 200  
GPS Pt. 143

SCREWDRIER

SCREWDRIER

20.55

~~HEA 49~~

HEA 47



36/

501-22

SFWMD

12188-2

K ROYER  
P SLOAN  
2-20-03

TP	+	HI	-	EL
11	5.619	23.974	5.285	18.355
12	4.334	24.673	3.635	20.339
13	3.339	23.707	4.305	20.368
14	4.911	24.120	4.497	19.209
15	2.926	23.283	3.762	20.358
16	5.460	24.138	4.605	18.678
17	5.204	24.694	4.647	19.490
18	4.749	23.861	5.582	19.110
19	4.625	22.505	5.981	17.88
20	4.947	21.826	5.625	16.88
21	5.698	22.542	4.982	16.844
22	5.091	21.562	6.070	16.472
23	5.467	21.926	5.044	16.519
24	5.674	22.159	5.441	16.485
25	8.204	24.604	5.758	16.400

BMEL

DESC

SCREWDRIVER

SCREWDRIVER

SCREWDRIVER

SCREWDRIVER

600 IN PPPL "CB 697"

GPS PT. 144 TBM 201

SCREWDRIVER

SCREWDRIVER

SCREWDRIVER

SCREWDRIVER

TBM 202

PK NAIL + DISC "LB 364"  
E. EOP @ SNEAD RD.  
GPS PT. 145

SCREWDRIVER

SCREWDRIVER

SCREWDRIVER

SCREWDRIVER

TBM 203

W. EOP ROAD  
PK NAIL - LB 364"  
GPS 146

38/

K. ROYER  
P. SLOAN

TR	+	HI	-	EL
501-22	SFWMD	12188-1		2-20-03
26	1.549	24.765	1.388	23.216
27	4.650	24.10	5.315	19.450
28	3.173	23.553	3.720	20.380
29	8.507	27.384	4.726	18.827
30	5.508	21.907	10.934	16.40
31	5.50	21.924	5.484	16.424
32	4.872	21.323	5.472	16.451
33	4.847	22.294	3.876	17.477
34	4.453	21.696	5.051	17.243
35	5.074	21.925	4.845	16.85
36	5.193	23.267	3.851	18.074
37	5.369	24.42	4.216	19.051
38	4.684	24.104	5.00	19.42
39	3.045	22.813	4.336	19.768
40	7.671	25.003	2.481	20.332

BUEL

DESC

SCREWDNER

SCREWDNER

OWN R/W Bm 44cm

SCREWDRIVER

16.40

TBM # 203

SCREWDRIEVER

SCREWDRIEVER

SCREWBRIEVER

SCREWDRIEVER

16.88

TBM # 202

SCREWDRIEVER

SCREWDRIEVER

SCREWDRIEVER

SCREWDRIEVER

20.358

TBM # 201



40

K. ROYER  
P. SLOAN

561-22 SF WMD 1288

2-20-03

TP	#	HI	-	EL
41	4.20	24.602	4.601	20.402
42	4.808	24.863	4.447	20.155
43	3.614	23.862	4.715	20.248
44	4.57	23.241	5.191	18.671
45			2.72	20.521

BMEL

DESC

SCREW DRIVER

SCREW DRIVER

SCREW DRIVER

SCREW DRIVER

20.55

~~HON-49~~

HEN 47

42/

5101-22

SFWMD 12188-1

K. ROYER

P. SLOAN

2-20-03

LEVEL TO SITES = CRS Ø 2N  
CRS Ø 2F

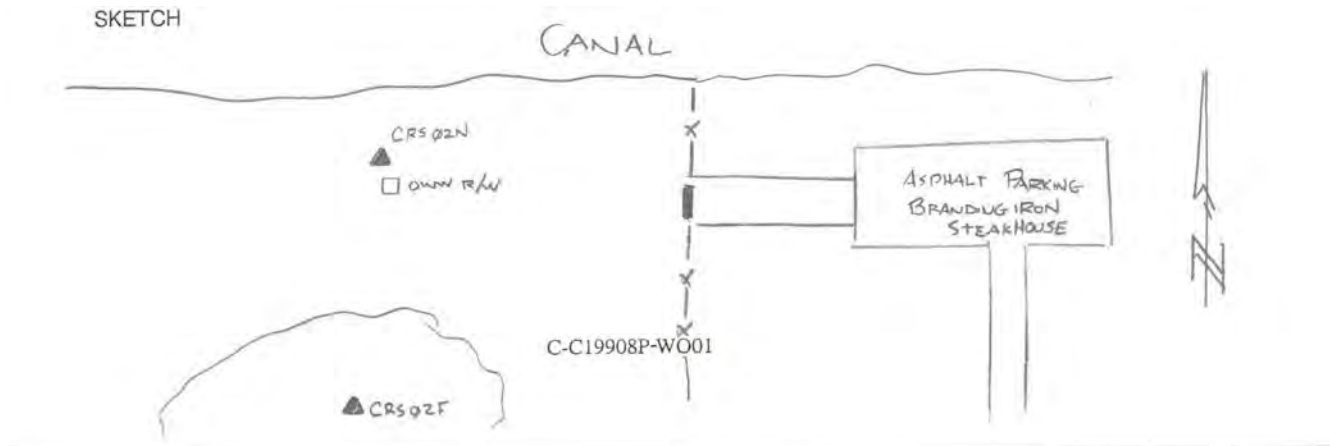
TP	+	HI	-	EL	B.M. EL	DESC
1	4.45	24.83			20.38	OWN R/W BUC @ SITE 2
SIDE			1.937	22.317		CRS Ø 2N (W. SIDE PVC)
			6.432			
SIDE			-1.982	18.398		CRS Ø 2N (GROUND SHOT)
			6.348			
SIDE			-1.898	18.482		WELL 6' EAST OF CRS Ø 2N (GROUND SHOT)
			2.868			
SIDE			1.582	21.962		WELL 6' EAST OF CRS Ø 2N (TOP PVC)
			9.279			
SIDE			-4.828	15.552		CRS Ø 2F TOP OF PVC S. SIDE
			12.923			
SIDE			-8.473	11.907		CRS Ø 2F GROUND SHOT
			9.292			TOP OF PIPE N.E.
SIDE			-4.842	15.538		WELL 6' WEST OF CRS Ø 2F
			12.74			GROUND
SIDE			-8.29	12.09		WELL 6' WEST OF CRS Ø 2F
2			4.45	20.38	20.38	OWN R/W LOOK ABOVE





<b>COUNTY:</b> GLADES	<b>PROJECT:</b> Well Sites	<b>DESIGNATION:</b> OWWR/W
<b>SECTION 28</b>	<b>TOWNSHIP 42 SOUTH</b>	<b>RANGE 31 EAST</b>
<b>GEOGRAPHIC INDEX OF QUAD:</b> Florida		
<b>Established by</b> ___ <b>Recovered by</b> <u> X </u> Pickett & Associates, Inc.		<b>NAME OF QUADRANGLE:</b> Lake Hicpochee
<b>SURVEYOR:</b> Kyle Royer <b>DATE:</b> 2/18/2003		<b>FIELD BOOK:</b> 561-22 <b>PAGE:</b> 10, 34-42
<b>HORIZONTAL DATUM:</b> NAD 83/99 <b>ZONE:</b> EAST		
<b>VERTICAL DATUM:</b> NAVD 1988, NGVD 1929 (NGS superseded control), & NGVD 1929 (SFWMD previously published elevation)		
<b>CONTROL ACCURACY:</b> HORIZONTAL N/A <b>VERTICAL 1 2 (3)</b>		
<b>STATE PLANE COORDINATES</b> Feet	<b>X</b> 579960	<b>Y</b> 892753
		<b>EL. = 20.402'</b> (NAVD 88) <b>EL. = 21.702'</b> (NGS NGVD 29) <b>EL. = 21.700'</b> (SFWMD NGVD 29)
<b>LATITUDE:</b> 26°47'22.5" N <b>LONGITUDE:</b> 81°14'01.0" W		
<b>DESCRIPTION</b>		
To Reach: From the Courthouse in Labelle, go East on S.R. 80 (13.3 Miles) to Indian Hills Drive. Turn left and go North on Indian Hills Drive for (0.60 Miles) to Asphalt Road on left. Turn left and go West on Asphalt Road (0.10 Miles) to the intersection of Pinky's Place and Victoria Drive. Turn right and go North on Victoria Drive (0.60 Miles) to entrance to River Haven Park Unit 1. Continue North for (0.15 Miles) to an Asphalt Parking Lot at The Branding Iron Steakhouse & Saloon. Turn left and go West for 300' +/- to an iron gate. Continue West through gate for 300' +/- to the station. Station CRS02F is 200' +/- South in wetland marsh. Site benchmark OWW R/W is 20' +/- South and 1.0' South of witness post.		

SKETCH



# 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 = MARCH 30, 2017
AD8259 *****
AD8259 DESIGNATION - HEN 47
AD8259 PID - AD8259
AD8259 STATE/COUNTY- FL/GLADES
AD8259 COUNTRY - US
AD8259 USGS QUAD - LAKE HICPOCHEE (1971)
AD8259
AD8259 *CURRENT SURVEY CONTROL
AD8259
AD8259* NAD 83(1986) POSITION- 26 46 06. (N) 081 13 59. (W) SCALED
AD8259* NAVD 88 ORTHO HEIGHT - 6.263 (meters) 20.55 (feet) ADJUSTED
AD8259
AD8259 GEOID HEIGHT - -24.476 (meters) GEOID12B
AD8259 DYNAMIC HEIGHT - 6.253 (meters) 20.52 (feet) COMP
AD8259 MODELED GRAVITY - 979,108.5 (mgal) NAVD 88
AD8259
AD8259 VERT ORDER - FIRST CLASS II
AD8259
AD8259.The horizontal coordinates were scaled from a topographic map and have
AD8259.an estimated accuracy of +/- 6 seconds.
AD8259.
AD8259.The orthometric height was determined by differential leveling and
AD8259.adjusted by the NATIONAL GEODETIC SURVEY
AD8259.in September 1992.
AD8259
AD8259.Significant digits in the geoid height do not necessarily reflect accuracy.
AD8259.GEOID12B height accuracy estimate available here.
AD8259
AD8259.The dynamic height is computed by dividing the NAVD 88
AD8259.geopotential number by the normal gravity value computed on the
AD8259.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AD8259.degrees latitude (g = 980.6199 gals.).
AD8259
AD8259.The modeled gravity was interpolated from observed gravity values.
AD8259
AD8259; North East Units Estimated Accuracy
AD8259;SPC FL E - 269,760. 176,820. MT (+/- 180 meters Scaled)
AD8259
AD8259_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMK768607(NAD 83)
AD8259
AD8259 SUPERSEDED SURVEY CONTROL
AD8259
AD8259 NGVD 29 (09/01/92) 6.659 (m) 21.85 (f) ADJUSTED 1 2
AD8259
AD8259.Superseded values are not recommended for survey control.
AD8259
AD8259.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AD8259.See file dsdata.pdf to determine how the superseded data were derived.
AD8259
AD8259_MARKER: DD = SURVEY DISK
AD8259_SETTING: 38 = SET IN THE ABUTMENT OR PIER OF A LARGE BRIDGE
AD8259_SP_SET: ABUTMENT
AD8259_STAMPING: HEN-47 1983 BM

```

AD8259\_MARK LOGO: SFLWMD

AD8259\_MAGNETIC: N = NO MAGNETIC MATERIAL

AD8259\_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AD8259\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AD8259+SATELLITE: SATELLITE OBSERVATIONS - January 17, 2012

AD8259

AD8259	HISTORY	- Date	Condition	Report By
AD8259	HISTORY	- 1983	MONUMENTED	SFLWMD
AD8259	HISTORY	- 19920401	GOOD	NGS
AD8259	HISTORY	- 20030220	GOOD	PICKET
AD8259	HISTORY	- 20120117	GOOD	MCKIM

AD8259

AD8259 STATION DESCRIPTION

AD8259

AD8259'DESCRIBED BY NATIONAL GEODETIC SURVEY 1992

AD8259'20.5 KM (12.75 MI) EASTERLY ALONG STATE HIGHWAY 80 FROM THE COUNTY

AD8259'COURTHOUSE IN LA BELLE, IN TOP OF AND 0.1 M (0.3 FT) SOUTH OF THE

AD8259'NORTH END OF THE EAST CONCRETE ABUTMENT OF BRIDGE NUMBER 070055

AD8259'SPANNING A CANAL, 7.1 M (23.3 FT) NORTH OF THE CENTERLINE OF THE

AD8259'HIGHWAY, 0.5 M (1.6 FT) WEST OF THE NORTHWEST CORNER OF A GUARDRAIL,

AD8259'AND 0.3 M (1.0 FT) BELOW THE LEVEL OF THE HIGHWAY.

AD8259

AD8259 STATION RECOVERY (2003)

AD8259

AD8259'RECOVERY NOTE BY PICKETT AND ASSOCIATES 2003 (KR)

AD8259'RECOVERED IN GOOD CONDITION.

AD8259

AD8259 STATION RECOVERY (2012)

AD8259

AD8259'RECOVERY NOTE BY MCKIM AND CREED 2012 (CJB)

AD8259'RECOVERED IN GOOD CONDITION.

\*\*\* retrieval complete.

Elapsed Time = 00:00:02



# 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 = MARCH 30, 2017
AD8260 *****
AD8260 DESIGNATION - B 413
AD8260 PID - AD8260
AD8260 STATE/COUNTY- FL/HENDRY
AD8260 COUNTRY - US
AD8260 USGS QUAD - LAKE HICPOCHEE (1971)
AD8260
AD8260 *CURRENT SURVEY CONTROL
AD8260
AD8260* NAD 83(2011) POSITION- 26 46 05.78352(N) 081 14 50.71191(W) ADJUSTED
AD8260* NAD 83(2011) ELLIP HT- -18.862 (meters) (06/27/12) ADJUSTED
AD8260* NAD 83(2011) EPOCH - 2010.00
AD8260* NAVD 88 ORTHO HEIGHT - 5.590 (meters) 18.34 (feet) ADJUSTED
AD8260
AD8260 GEOID HEIGHT - -24.470 (meters) GEOID12B
AD8260 NAD 83(2011) X - 867,125.644 (meters) COMP
AD8260 NAD 83(2011) Y - -5,632,118.968 (meters) COMP
AD8260 NAD 83(2011) Z - 2,855,306.335 (meters) COMP
AD8260 LAPLACE CORR - -0.43 (seconds) DEFLEC12B
AD8260 DYNAMIC HEIGHT - 5.581 (meters) 18.31 (feet) COMP
AD8260 MODELED GRAVITY - 979,107.6 (mgal) NAVD 88
AD8260
AD8260 VERT ORDER - FIRST CLASS II
AD8260
AD8260 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AD8260 Standards:
AD8260 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AD8260 Horiz Ellip SD_N SD_E SD_h (unitless)
AD8260 -----
AD8260 NETWORK 2.35 3.39 0.96 0.96 1.73 -0.04170754
AD8260 -----
AD8260 Click here for local accuracies and other accuracy information.
AD8260
AD8260
AD8260.The horizontal coordinates were established by GPS observations
AD8260.and adjusted by the National Geodetic Survey in June 2012.
AD8260
AD8260.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
AD8260.been affixed to the stable North American tectonic plate. See
AD8260.NA2011 for more information.
AD8260
AD8260.The horizontal coordinates are valid at the epoch date displayed above
AD8260.which is a decimal equivalence of Year/Month/Day.
AD8260
AD8260.The orthometric height was determined by differential leveling and
AD8260.adjusted by the NATIONAL GEODETIC SURVEY
AD8260.in September 1992.
AD8260
AD8260.Significant digits in the geoid height do not necessarily reflect accuracy.
AD8260.GEOID12B height accuracy estimate available here.
AD8260
AD8260.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AD8260

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AD8260.The Laplace correction was computed from DEFLEC12B derived deflections.

AD8260

AD8260.The ellipsoidal height was determined by GPS observations

AD8260.and is referenced to NAD 83.

AD8260

AD8260.The dynamic height is computed by dividing the NAVD 88

AD8260.geopotential number by the normal gravity value computed on the

AD8260.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AD8260.degrees latitude (g = 980.6199 gals.).

AD8260

AD8260.The modeled gravity was interpolated from observed gravity values.

AD8260

AD8260. The following values were computed from the NAD 83(2011) position.

AD8260

AD8260;		North	East	Units	Scale Factor	Converg.
AD8260;SPC FL E	-	269,753.767	175,393.623	MT	0.99994865	-0 06 41.2
AD8260;SPC FL E	-	885,017.15	575,437.24	sFT	0.99994865	-0 06 41.2
AD8260;UTM 17	-	2,960,793.709	475,402.018	MT	0.99960747	-0 06 41.2

AD8260

AD8260! - Elev Factor x Scale Factor = Combined Factor

AD8260!SPC FL E - 1.00000296 x 0.99994865 = 0.99995161

AD8260!UTM 17 - 1.00000296 x 0.99960747 = 0.99961043

AD8260

AD8260\_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMK7540260793(NAD 83)

AD8260

AD8260 SUPERSEDED SURVEY CONTROL

AD8260

AD8260	NAD 83(2007)-	26 46 05.78367(N)	081 14 50.71261(W)	AD(2002.00)	0
AD8260	ELLIP H (02/10/07)	-18.842 (m)		GP(2002.00)	
AD8260	NAD 83(1999)-	26 46 05.78394(N)	081 14 50.71300(W)	AD( )	1
AD8260	ELLIP H (12/12/02)	-18.857 (m)		GP( )	4 1
AD8260	NAVD 88	5.59 (m)	18.3 (f)	LEVELING	3
AD8260	NGVD 29 (09/01/92)	5.986 (m)	19.64 (f)	ADJUSTED	1 2

AD8260

AD8260.Superseded values are not recommended for survey control.

AD8260

AD8260.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AD8260.See file [dsdata.pdf](#) to determine how the superseded data were derived.

AD8260

AD8260\_MARKER: F = FLANGE-ENCASED ROD

AD8260\_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)

AD8260\_STAMPING: B 413 1992

AD8260\_MARK LOGO: NGS

AD8260\_PROJECTION: FLUSH

AD8260\_MAGNETIC: I = MARKER IS A STEEL ROD

AD8260\_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AD8260\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AD8260+SATELLITE: SATELLITE OBSERVATIONS - June 18, 2014

AD8260\_ROD/PIPE-DEPTH: 24.1 meters

AD8260\_SLEEVE-DEPTH : 0.9 meters

AD8260

AD8260	HISTORY	- Date	Condition	Report By
AD8260	HISTORY	- 1992	MONUMENTED	NGS
AD8260	HISTORY	- 20020518	GOOD	MAPTEC
AD8260	HISTORY	- 20140618	GOOD	AIMENG

AD8260

AD8260 STATION DESCRIPTION

AD8260

AD8260'DESCRIBED BY NATIONAL GEODETIC SURVEY 1992

AD8260'19.1 KM (11.85 MI) EASTERLY ALONG STATE HIGHWAY 80 FROM THE COUNTY

AD8260'COURTHOUSE IN LA BELLE, 29.4 M (96.5 FT) EAST OF THE EXTENDED

AD8260'CENTERLINE OF A ROAD LEADING TO HORSESHOE ACRES, 11.0 M (36.1 FT)

AD8260'SOUTH OF THE CENTERLINE OF THE HIGHWAY, 8.4 M (27.6 FT) WEST OF THE

AD8260'WEST END OF THE SOUTH HEADWALL OF A TRIPLE CULVERT, 2.3 M (7.5 FT)

AD8260 'NORTHEAST OF A UTILITY POLE, 2.0 M (6.6 FT) NORTH OF A WITNESS POST,  
AD8260 'AND 0.9 M (3.0 FT) BELOW THE LEVEL OF THE HIGHWAY. NOTE--ACCESS TO  
AD8260 'THE DATUM POINT IS THROUGH A 5-INCH LOGO CAP.

AD8260

AD8260 STATION RECOVERY (2002)

AD8260

AD8260 'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CDP)

AD8260 'RECOVERED AS DESCRIBED.

AD8260 '

AD8260

AD8260 STATION RECOVERY (2014)

AD8260

AD8260 'RECOVERY NOTE BY AIM ENGINEERING AND SURVEYING 2014 (BRH)

AD8260 'MARKER IS 3 FEET DOWN INSIDE 12 INCH CORRUGATED PLASTIC PIPE, 1.0 FOOT

AD8260 'NORTH OF CARSONITE WITNESS POST

\*\*\* retrieval complete.

Elapsed Time = 00:00:02



## NAVD88 Adjustment

Start-Line				
HEN47				20.550
HEN47	Rb	3.100 HD	324.540	
	11 Rf	5.285 HD	251.080	
	11			18.365
	11 Rb	5.619 HD	255.410	
	12 Rf	3.635 HD	275.980	
	12			20.349
	12 Rb	4.334 HD	322.640	
	13 Rf	4.305 HD	318.340	
	13			20.378
	13 Rb	3.339 HD	287.730	
	14 Rf	4.497 HD	305.580	
	14			19.220
	14 Rb	4.911 HD	300.430	
	201 Rf	3.762 HD	248.160	
	201			20.369
	201 Rb	2.926 HD	269.780	
	16 Rf	4.605 HD	299.240	
	16			18.690
	16 Rb	5.460 HD	301.770	
	17 Rf	4.647 HD	292.980	
	17			19.503
	17 Rb	5.204 HD	242.130	
	18 Rf	5.582 HD	259.810	
	18			19.125
	18 Rb	4.749 HD	301.410	
	19 Rf	5.981 HD	275.660	
	19			17.893
	19 Rb	4.625 HD	285.600	
	202 Rf	5.625 HD	267.160	
	202			16.893
	202 Rb	4.947 HD	292.880	
	21 Rf	4.982 HD	309.840	
	21			16.858
	21 Rb	5.698 HD	301.540	
	22 Rf	6.070 HD	298.520	
	22			16.486
	22 Rb	5.091 HD	275.360	
	23 Rf	5.044 HD	265.120	
	23			16.533
	23 Rb	5.407 HD	304.360	
	24 Rf	5.441 HD	311.780	
	24			16.499
	24 Rb	5.674 HD	307.050	
	203 Rf	5.758 HD	301.310	
	203			16.415
	203 Rb	8.204 HD	232.180	
	26 Rf	1.388 HD	141.670	
	26			23.231
	26 Rb	1.549 HD	244.950	
	27 Rf	5.315 HD	217.750	

27			19.465
27 Rb	4.650 HD	62.700	
OWW-RW- Rf	3.720 HD	56.140	
OWW-RW-BM			20.395
OWW-RW- Rb	3.173 HD	174.610	
29 Rf	4.726 HD	202.390	
29			18.842
29 Rb	8.507 HD	267.290	
203 Rf	10.934 HD	306.690	
203			16.415
203 Rb	5.508 HD	291.470	
31 Rf	5.484 HD	325.430	
31			16.439
31 Rb	5.500 HD	293.370	
32 Rf	5.472 HD	318.500	
32			16.467
32 Rb	4.872 HD	288.120	
33 Rf	3.876 HD	304.690	
33			17.463
33 Rb	4.847 HD	294.590	
34 Rf	5.051 HD	249.180	
34			17.259
34 Rb	4.453 HD	306.950	
202 Rf	4.845 HD	292.160	
202			16.867
202 Rb	5.074 HD	304.790	
36 Rf	3.851 HD	300.660	
36			18.090
36 Rb	5.193 HD	270.370	
37 Rf	4.216 HD	260.960	
37			19.067
37 Rb	5.369 HD	265.520	
38 Rf	5.000 HD	293.500	
38			19.436
38 Rb	4.684 HD	274.900	
39 Rf	4.336 HD	268.140	
39			19.784
39 Rb	3.045 HD	345.800	
201 Rf	2.481 HD	316.400	
201			20.348
201 Rb	4.671 HD	313.060	
41 Rf	4.601 HD	271.520	
41			20.418
41 Rb	4.200 HD	303.900	
42 Rf	4.448 HD	236.480	
42			20.170
42 Rb	4.808 HD	228.540	
43 Rf	4.715 HD	309.320	
43			20.263
43 Rb	3.614 HD	271.390	
44 Rf	5.191 HD	276.120	
44			18.686

44 Rb 4.570 HD 296.000  
HEN47 Rf 2.720 HD 333.790  
End-Line

20.536

20.550

-0.014 ACTUAL ERROR

TOTAL DISTANCE

PRECISION

MTS ALLOWABLE ERROR

19265.180

1/ -1376084.286

0.096



## NGVD29 Adjustment

Start-Line				
HEN47				21.850
HEN47	Rb	3.100 HD	324.540	
	11 Rf	5.285 HD	251.080	
	11			19.665
	11 Rb	5.619 HD	255.410	
	12 Rf	3.635 HD	275.980	
	12			21.649
	12 Rb	4.334 HD	322.640	
	13 Rf	4.305 HD	318.340	
	13			21.678
	13 Rb	3.339 HD	287.730	
	14 Rf	4.497 HD	305.580	
	14			20.520
	14 Rb	4.911 HD	300.430	
	201 Rf	3.762 HD	248.160	
	201			21.669
	201 Rb	2.926 HD	269.780	
	16 Rf	4.605 HD	299.240	
	16			19.990
	16 Rb	5.460 HD	301.770	
	17 Rf	4.647 HD	292.980	
	17			20.803
	17 Rb	5.204 HD	242.130	
	18 Rf	5.582 HD	259.810	
	18			20.425
	18 Rb	4.749 HD	301.410	
	19 Rf	5.981 HD	275.660	
	19			19.193
	19 Rb	4.625 HD	285.600	
	202 Rf	5.625 HD	267.160	
	202			18.193
	202 Rb	4.947 HD	292.880	
	21 Rf	4.982 HD	309.840	
	21			18.158
	21 Rb	5.698 HD	301.540	
	22 Rf	6.070 HD	298.520	
	22			17.786
	22 Rb	5.091 HD	275.360	
	23 Rf	5.044 HD	265.120	
	23			17.833
	23 Rb	5.407 HD	304.360	
	24 Rf	5.441 HD	311.780	
	24			17.799
	24 Rb	5.674 HD	307.050	
	203 Rf	5.758 HD	301.310	
	203			17.715
	203 Rb	8.204 HD	232.180	
	26 Rf	1.388 HD	141.670	
	26			24.531
	26 Rb	1.549 HD	244.950	
	27 Rf	5.315 HD	217.750	

27			20.765
27 Rb	4.650 HD	62.700	
OWW-RW- Rf	3.720 HD	56.140	
OWW-RW-BM			21.695
OWW-RW- Rb	3.173 HD	174.610	
29 Rf	4.726 HD	202.390	
29			20.142
29 Rb	8.507 HD	267.290	
203 Rf	10.934 HD	306.690	
203			17.715
203 Rb	5.508 HD	291.470	
31 Rf	5.484 HD	325.430	
31			17.739
31 Rb	5.500 HD	293.370	
32 Rf	5.472 HD	318.500	
32			17.767
32 Rb	4.872 HD	288.120	
33 Rf	3.876 HD	304.690	
33			18.763
33 Rb	4.847 HD	294.590	
34 Rf	5.051 HD	249.180	
34			18.559
34 Rb	4.453 HD	306.950	
202 Rf	4.845 HD	292.160	
202			18.167
202 Rb	5.074 HD	304.790	
36 Rf	3.851 HD	300.660	
36			19.390
36 Rb	5.193 HD	270.370	
37 Rf	4.216 HD	260.960	
37			20.367
37 Rb	5.369 HD	265.520	
38 Rf	5.000 HD	293.500	
38			20.736
38 Rb	4.684 HD	274.900	
39 Rf	4.336 HD	268.140	
39			21.084
39 Rb	3.045 HD	345.800	
201 Rf	2.481 HD	316.400	
201			21.648
201 Rb	4.671 HD	313.060	
41 Rf	4.601 HD	271.520	
41			21.718
41 Rb	4.200 HD	303.900	
42 Rf	4.448 HD	236.480	
42			21.470
42 Rb	4.808 HD	228.540	
43 Rf	4.715 HD	309.320	
43			21.563
43 Rb	3.614 HD	271.390	
44 Rf	5.191 HD	276.120	
44			19.986

44 Rb 4.570 HD 296.000  
HEN47 Rf 2.720 HD 333.790  
End-Line

21.836

21.850

-0.014 ACTUAL ERROR

TOTAL DISTANCE

PRECISION

MTS ALLOWABLE ERROR

19265.180

1/ -1376084.286

0.096