

## 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 Publication\_Date: Unpublished material  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 CRS04  
 Edition: 1  
 Publication\_Information:  
 Publication\_Place: Not published  
 Publisher: None  
 Online\_Linkage: skopec@pickett-inc.com

## Description:

## Abstract:

South Florida Water Management District  
 Well CRS04

## 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:

Wells 6' South of CRS04N and 6' West of CRS04F have keyed locks. All other wells at this site have combination locks.

See point of contact for keys and 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° 10' 24. 2"

East\_Bounding\_Coordinate: -081° 10' 11. 6"

North\_Bounding\_Coordinate: +26° 45' 07. 4"

South\_Bounding\_Coordinate: +26° 45' 07. 0"

## 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 CRS04

Place\_Keyword: Sec. 18, Twp. 43 S., Rge. 32 E.

Place\_Keyword: Hendry County, Florida

Place\_Keyword\_Thesaurus: Geographic Names Information System

Place\_Keyword: Florida

Place\_Keyword: Hendry County

Place\_Keyword: CRS04

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

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

WELL-CRS04.met

Contact\_Electronic\_Mail\_Address: eebanks@sfwmd.gov

Hours\_of\_Service: 8:00 am to 5:00 pm EST

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.

Vertical data were established with differential leveling using control point 25\_13(AD8256).

### Project Results

Completeness\_Report:

Horizontal location taken at approximate center of wells.

#### CRS04N

Well CRS04N

Lat. +26° 45' 07.3"

Long. -081° 10' 24.2"

N 879075

E 599582

Existing reference mark is an arrow on the inside of the SW side of a 2" PVC pipe with the elevation taken on top of the rim of the pipe with an NGVD 29 elevation of 24.43' for Stage, 26.92' for GW Well 1, and 26.92' for GW Well 2 Dated 10/28/99 with initials EE/AW.

#### GW1

New leveled elevations.

26.465' (NAVD 88)

27.775' (NGVD 29) based on superseded elevation on benchmark 25\_13(AD8256)

26.925' (NGVD 29) based on site worksheets provided by SFWMD

Well (6' South of CRS04N)

Lat. +26° 45' 07.2"

Long. -081° 10' 24.2"

N 879067

E 599582

Existing reference mark is an arrow on the inside of the SW side of a 2" PVC pipe with the elevation taken on top of the rim of the pipe with an NGVD 29 elevation of 26.96'.

#### GW2

New leveled elevations.

26.487' (NAVD 88)

27.797' (NGVD 29) based on superseded elevation on benchmark 25\_13(AD8256)

26.947' (NGVD 29) based on site worksheets provided by SFWMD

#### PSTAC 3

Well PSTAC3

Lat. +26° 45' 07.4"

Long. -081° 10' 24.6"

N 879077

E 599551

Existing reference mark is an "X" on the plywood with an NGVD 29 elevation of 24.43'. Pipe is 8" PVC.

New leveled elevations.

23.954' (NAVD 88)

25.264' (NGVD 29) based on superseded elevation on benchmark 25\_13(AD8256)

24.414' (NGVD 29) based on site worksheets provided by SFWMD

Staff Gauge (next to PSTAC3)

Lat. +26° 45' 07.4"

Long. -081° 10' 24.6"

N 879079

E 599552

Existing reference mark is at water elevation. Staff gauge reads 17.38 Dated 3-3-03.

New leveled elevations.

16.926' (NAVD 88)

WELL-CRS04.met

18.236' (NGVD 29) based on superseded elevation on benchmark 25\_13(AD8256)  
17.386' (NGVD 29) based on site worksheets provided by SFWMD

**CRS04F**

Well CRS04F  
Lat. +26° 45' 07.0"  
Long. -081° 10' 11.6"  
N 879036  
E 600723

Existing reference mark is an arrow on the inside of the SE side of a 2" PVC pipe with the elevation taken on top of the rim of the pipe with an NGVD 29 elevation of 26.89' for GW Well #1 and 27.43' for GW Well #2 Dated 10/28/99.

**GW1**

New leveled elevations.  
26.409' (NAVD 88)  
27.719' (NGVD 29) based on superseded elevation on benchmark 25\_13(AD8256)  
26.869' (NGVD 29) based on site worksheets provided by SFWMD

Well (6' West of CRS04F)  
Lat. +26° 45' 07.0"  
Long. -081° 10' 11.7"  
N 879037  
E 600717

Existing reference mark is an arrow on the inside of the N side of a 2" PVC pipe with the elevation taken on top of the rim of the pipe with an NGVD 29 elevation of 27.43'

**GW2**

New leveled elevations.  
26.940' (NAVD 88)  
28.250' (NGVD 29) based on superseded elevation on benchmark 25\_13(AD8256)  
27.400' (NGVD 29) based on site worksheets provided by SFWMD

Site Benchmark.  
"SITE4" is an aluminum disc set in concrete collar stamped "FLA. WATER MANAGEMENT DIST. OS1999 SURVEY MARKER BM SITE 4" stamped " BM SITE 4 1999"

To reach from the intersection of U.S. 27 and S.R. 80, go West (5.8 Miles) to Everhigh Acres Road. Go South on Everhigh Acres Road (1.2 Miles) to Station on right. PSTAC 3 Station is 50' +/- West on wooden dock. CRS04F is 1000' +/- East on north side of dirt road. Contact Wayne Smith (941-564-8515) for access to CRS04F, or walk in.

Benchmark "SITE4" is in center of 2 wells at CRS04N. United States Department of the Interior Geological Survey Quadrangle Map -- LAKE HICOCHEE

Location of SITE4  
Lat. +26° 45' 07.2"  
Long. -081° 10' 24.2"  
N 879066  
E 599586

Elevations.  
22.475' (NAVD 88)  
23.785' (NGVD 29) based on superseded elevation on benchmark 25\_13(AD8256)  
22.935' (NGVD 29) based on site worksheets provided by SFWMD

Positional Accuracy:

**Horizontal**

Horizontal Positional Accuracy:

Horizontal Positional Accuracy Report:

The horizontal positions of the wells and benchmark SITE4 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.

**Level Line**

Vertical\_Positional\_Accuracy:

Vertical\_Positional\_Accuracy\_Report:

Levels were run between 25\_13(AD8256) and N\_414(AD8254) the published elevations agreed within 0.014'. A level line was run from 25\_13(AD8256) 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 25\_13.

Quantitative\_Vertical\_Positional\_Accuracy\_Assessment:

Vertical\_Positional\_Accuracy\_Value: 0.005 m

0.005m closure in 4,162m, max. allowed 0.024m (MTS)

Quantitative\_Vertical\_Positional\_Accuracy\_Assessment:

Vertical\_Positional\_Accuracy\_Value: 0.005 m

0.005m closure in 4,162m, max. allowed 0.024m (MTS)

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: 20030318

Process\_Time: 18000000

Metadata\_Reference\_Information:

Metadata\_Date: 20030319

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 - CRS 04 N



Pickett & Associates, Inc.  
Date of Survey: February 19, 2003  
Looking: West

# Well - CRS 04 N



Pickett & Associates, Inc.  
Date of Survey: February 19, 2003  
Looking: West

Well - (6' South of CRS 04 N)



Pickett & Associates, Inc.  
Date of Survey: February 19, 2003  
Looking: West

## Well - PSTAC 3



Pickett & Associates, Inc.  
Date of Survey: February 19, 2003  
Looking: West



## Well - PSTAC 3



Pickett & Associates, Inc.  
Date of Survey: February 19, 2003  
Looking: West

# Well - CRS 04 F



Pickett & Associates, Inc.  
Date of Survey: February 19, 2003  
Looking: North

# Well - CRS 04 F



Pickett & Associates, Inc.  
Date of Survey: February 19, 2003  
Looking: North

## Well - (6' West of CRS 04 F)



Pickett & Associates, Inc.  
Date of Survey: February 19, 2003  
Looking: North

## Well - BM Site 4



Pickett & Associates, Inc.  
Date of Survey: February 19, 2003

56 /  
 501-22 12183-1 SFWMD K ROYER  
 P. SLOW.  
 3-3-03

LEVELS FOR SITE 4				
TP	t	HI	-	EL
1	2.76	26.72		
2	5.252	23.538	8.435	18.285
3	5.218	24.1	4.656	18.882
4	5.053	24.453	4.7	19.4
5	4.821	24.869	4.404	20.049
6	5.125	24.59	5.404	19.465
7	4.617	24.377	4.83	19.76
8	4.971	24.782	4.566	19.811
9	5.901	26.822	3.861	20.921
10	5.774	27.546	5.05	21.772
11	4.365	26.835	5.077	22.470
12	4.664	26.377	5.122	21.713
13	4.967	26.727	4.617	21.761
14	4.872	26.672	4.927	21.80
15	4.94	26.741	4.871	21.801
16	4.750	27.053	4.436	22.305

BMEI	DESC
23.96	BM 2513
	S.D.
	S.O.
	S.O.
	"GPS #153" SET PK IN T.B.M. 210 W. E.O.P.
	S.O.
	S.O.
	S.O.
	S.O.
	S.O.
	BM "SITE 4" Disc poured IN CONCRETE
	S.O.
	TBM 211 "GPS 154" SET 5/8 SR CAP LB364
	S.O.
	S.O.

58/  
561-22K ROVER  
P SLOAN  
3-3-03

TP	+	HI	-	GL
12.88-1		SPWMD		
17	4.83	26.543	5.342	21.713
18	3.776	25.22	5.1	21.443
19	4.748	24.424	5.544	19.676
20	4.770	24.270	4.923	19.50
21	5.597	25.051	4.816	19.454
22	4.960	24.678	5.333	19.719
23	4.744	24.778	4.645	20.034
24	4.796	24.263	5.311	19.467
25	4.947	23.716	5.494	18.769
26	8.563	26.851	5.427	18.289
27			2.906	23.945
28				

B.M. Elev.

DESC.

S.D.

S.D.

S.D.

S.D.

S.D.

S.D.

S.D.

S.D.

S.D.

S.D.

23.96 -0.015

Bm 2513  
SEE PG 56/561-22

60

561-22

12188-1

STWMD

K. ROYER  
P. SLOAN  
D. WILLIAMS  
3-3-03LEVEL TO WELLS @ SITE 4

TD	+	HI	-	EL	BMEL	DESC
1	5.536	27.249			21.713	BM SITE 4
			5.163	22.087		GROUND @ CRS 04N
			5.221	22.028		GROUND @ WELL 6' SOUTH OF CRS 04N
			1.547	25.703		REF P. @ CRS 04N TOP OF PVC @ SW FACE
			1.524	25.725		REF P. @ WELL 6' SOUTH OF CRS 04N, SW COR PVC
			11.085	16.164		WATER LEVEL @ STAFF GAUGE, GAUGE READS 17.38 ON 3/3/03
2	4.053	27.245	4.058	23.192		"X" ON PLYWOOD PSTAC 3
3			5.535	21.710	21.713	BM SITE 4



501-22 12188-1 GFVMP

K ROVER  
D. SLOAN  
D. WILLIAMS  
3-3-03

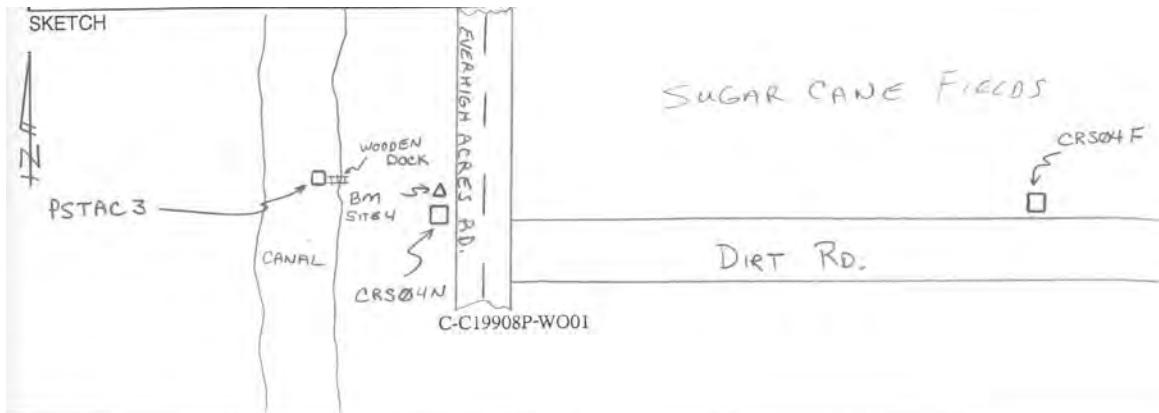
≡ LEVEL TO WELLS @ SITE 4 ≡

TP	+	HI	-	EL	BAL	DESC
1	5.148	26.948			21.80	TBM 211
			4.724	22.224		GROUND @ CRS 04F
			4.709	22.179		GROUND @ WELL 6' WEST OF CRS 04F
			1.301	25.647		REF PT. CRS 04F SE FACE OF 2" P.V.C.
2	.800	26.983	0.770	26.178		REF PT. OF WELL 6' WEST OF CRS 04F N. FACE OF 2" P.V.C.
3			5.179	21.804	21.80	TBM 211



<b>COUNTY:</b> Hendry		<b>PROJECT:</b> Well Sites		<b>DESIGNATION:</b> SITE4	
<b>SECTION</b> 18		<b>TOWNSHIP</b> 43 SOUTH		<b>RANGE</b> 32 EAST	
<b>GEOGRAPHIC INDEX OF QUAD:</b> Florida					
Established by _____ Recovered by <u> X </u> Pickett & Associates, Inc.			<b>NAME OF QUADRANGLE:</b> Lake Hicpochee		
<b>SURVEYOR:</b> Kyle Royer <b>DATE:</b> 2/19/2003			<b>FIELD BOOK:</b> 561-22 <b>PAGE:</b> 20-22, 56-62		
<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</b> 1 2 (3)			
<b>STATE PLANE COORDINATES</b> Feet		<b>X</b> 599586	<b>Y</b> 879066	<b>EL.</b> = 22.475' (NAVD 88) <b>EL.</b> = 23.785' (NGS NGVD 29) <b>EL.</b> = 22.935' (SFWMD NGVD 29)	
<b>LATITUDE:</b> 26°45'07.2" N		<b>LONGITUDE:</b> 81°10'24.2" W			
<b>DESCRIPTION</b>					
To Reach: From the intersection of U.S. 27 and S.R. 80, go West (5.8 Miles) to Everhigh Acres Road. Go South on Everhigh Acres Road (1.2 Miles) to Station on right. PSTAC 3 Station is 50' +/- West on wooden dock. CRS04F is 1000' +/- East on north side of dirt road. Contact Wayne Smith (941-564-8515) for access to CRS04F, or walk in.					
"BM SITE 4" is in center of 2 wells at CRS04N.					

SKETCH



CRS04-88. LEV

2513	23. 960
2	18. 286
26	18. 302
3	18. 882
25	18. 782
4	19. 401
24	19. 479
210	20. 051
23	20. 045
6	19. 468
22	19. 730
7	19. 763
21	19. 465
8	19. 815
20	19. 510
9	20. 925
19	19. 685
10	21. 777
18	21. 452
SITE4	22. 475
17	21. 721
12	21. 718
16	22. 313
13	21. 766
15	21. 808
211	21. 806

Start-Line			
	2513		23.960
	2513 Rb	2.760 HD	199.18
	2 Rf	8.435 HD	226.28
	2		18.285
	2 Rb	5.252 HD	302.36
	3 Rf	4.656 HD	251.71
	3		18.881
	3 Rb	5.218 HD	286.97
	4 Rf	4.700 HD	258.83
	4		19.399
	4 Rb	5.053 HD	291.47
	210 Rf	4.404 HD	301.74
	210		20.048
	210 Rb	4.821 HD	274.24
	6 Rf	5.404 HD	273.39
	6		19.465
	6 Rb	5.125 HD	301.11
	7 Rf	4.831 HD	320.60
	7		19.759
	7 Rb	4.617 HD	275.72
	8 Rf	4.566 HD	295.18
	8		19.810
	8 Rb	4.971 HD	296.03
	9 Rf	3.861 HD	322.64
	9		20.920
	9 Rb	5.901 HD	298.59
	10 Rf	5.050 HD	316.44
	10		21.771
	10 Rb	5.774 HD	314.76
SITE4	Rf	5.077 HD	257.55
SITE4			22.468
SITE4	Rb	4.365 HD	78.22
	12 Rf	5.122 HD	87.17
	12		21.711
	12 Rb	4.664 HD	202.10
	13 Rf	4.617 HD	275.82
	13		21.758
	13 Rb	4.967 HD	295.83
	211 Rf	4.927 HD	308.17
	211		21.798
	211 Rb	4.872 HD	305.45
	15 Rf	4.871 HD	248.33
	15		21.799
	15 Rb	4.940 HD	286.29
	16 Rf	4.436 HD	244.36
	16		22.303
	16 Rb	4.750 HD	284.55
	17 Rf	5.342 HD	286.55
	17		21.711
	17 Rb	4.830 HD	319.65
	18 Rf	5.100 HD	266.47

18		21.441	
18 Rb	3.776 HD	292.39	
19 Rf	5.544 HD	294.26	
19		19.673	
19 Rb	4.748 HD	236.61	
20 Rf	4.923 HD	248.49	
20		19.498	
20 Rb	4.770 HD	270.90	
21 Rf	4.816 HD	279.63	
21		19.452	
21 Rb	5.597 HD	249.41	
22 Rf	5.333 HD	193.80	
22		19.716	
22 Rb	4.960 HD	185.14	
23 Rf	4.645 HD	203.02	
23		20.031	
23 Rb	4.744 HD	228.64	
24 Rf	5.311 HD	288.94	
24		19.464	
24 Rb	4.796 HD	285.10	
25 Rf	5.494 HD	253.81	
25		18.766	
25 Rb	4.947 HD	294.36	
26 Rf	5.427 HD	289.44	
26		18.286	
26 Rb	8.563 HD	223.10	
2513 Rf	2.906 HD	185.04	
2513		23.943	
End-Line		23.960	
		-0.017	ACTUAL ERROR
	13655.830		TOTAL DISTANCE
1/	-803284.118		PRECISION
	0.080		MTS ALLOWABLE ERROR

CRS04-29. LEV

2513	25. 270
2	19. 596
26	19. 612
3	20. 192
25	20. 092
4	20. 711
24	20. 789
210	21. 361
23	21. 355
6	20. 778
22	21. 040
7	21. 073
21	20. 775
8	21. 125
20	20. 820
9	22. 235
19	20. 995
10	23. 087
18	22. 762
SITE4	23. 785
17	23. 031
12	23. 028
16	23. 623
13	23. 076
15	23. 118
211	23. 116

Start-Line			
	2513		25.270
	2513 Rb	2.760 HD	199.18
	2 Rf	8.435 HD	226.28
	2		19.595
	2 Rb	5.252 HD	302.36
	3 Rf	4.656 HD	251.71
	3		20.191
	3 Rb	5.218 HD	286.97
	4 Rf	4.700 HD	258.83
	4		20.709
	4 Rb	5.053 HD	291.47
	210 Rf	4.404 HD	301.74
	210		21.358
	210 Rb	4.821 HD	274.24
	6 Rf	5.404 HD	273.39
	6		20.775
	6 Rb	5.125 HD	301.11
	7 Rf	4.831 HD	320.60
	7		21.069
	7 Rb	4.617 HD	275.72
	8 Rf	4.566 HD	295.18
	8		21.120
	8 Rb	4.971 HD	296.03
	9 Rf	3.861 HD	322.64
	9		22.230
	9 Rb	5.901 HD	298.59
	10 Rf	5.050 HD	316.44
	10		23.081
	10 Rb	5.774 HD	314.76
SITE4	Rf	5.077 HD	257.55
SITE4			23.778
SITE4	Rb	4.365 HD	78.22
	12 Rf	5.122 HD	87.17
	12		23.021
	12 Rb	4.664 HD	202.10
	13 Rf	4.617 HD	275.82
	13		23.068
	13 Rb	4.967 HD	295.83
	211 Rf	4.927 HD	308.17
	211		23.108
	211 Rb	4.872 HD	305.45
	15 Rf	4.871 HD	248.33
	15		23.109
	15 Rb	4.940 HD	286.29
	16 Rf	4.436 HD	244.36
	16		23.613
	16 Rb	4.750 HD	284.55
	17 Rf	5.342 HD	286.55
	17		23.021
	17 Rb	4.830 HD	319.65
	18 Rf	5.100 HD	266.47

18		22.751
18 Rb	3.776 HD	292.39
19 Rf	5.544 HD	294.26
19		20.983
19 Rb	4.748 HD	236.61
20 Rf	4.923 HD	248.49
20		20.808
20 Rb	4.770 HD	270.90
21 Rf	4.816 HD	279.63
21		20.762
21 Rb	5.597 HD	249.41
22 Rf	5.333 HD	193.80
22		21.026
22 Rb	4.960 HD	185.14
23 Rf	4.645 HD	203.02
23		21.341
23 Rb	4.744 HD	228.64
24 Rf	5.311 HD	288.94
24		20.774
24 Rb	4.796 HD	285.10
25 Rf	5.494 HD	253.81
25		20.076
25 Rb	4.947 HD	294.36
26 Rf	5.427 HD	289.44
26		19.596
26 Rb	8.563 HD	223.10
2513 Rf	2.906 HD	185.04
2513		25.253
End-Line		25.270
		-0.017 ACTUAL ERROR
	13655.830	TOTAL DISTANCE
1/	-803284.118	PRECISION
	0.080	MTS ALLOWABLE ERROR



# 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 12, 2017
AD8256 *****
AD8256 DESIGNATION - 25 13
AD8256 PID - AD8256
AD8256 STATE/COUNTY- FL/HENDRY
AD8256 COUNTRY - US
AD8256 USGS QUAD - LAKE HICPOCHEE (1971)
AD8256
AD8256 *CURRENT SURVEY CONTROL
AD8256
AD8256* NAD 83(1986) POSITION- 26 46 02. (N) 081 10 18. (W) SCALED
AD8256* NAVD 88 ORTHO HEIGHT - 7.303 (meters) 23.96 (feet) ADJUSTED
AD8256
AD8256 GEOID HEIGHT - -24.513 (meters) GEOID12B
AD8256 DYNAMIC HEIGHT - 7.292 (meters) 23.92 (feet) COMP
AD8256 MODELED GRAVITY - 979,111.8 (mgal) NAVD 88
AD8256
AD8256 VERT ORDER - FIRST CLASS II
AD8256
AD8256.The horizontal coordinates were scaled from a topographic map and have
AD8256.an estimated accuracy of +/- 6 seconds.
AD8256.
AD8256.The orthometric height was determined by differential leveling and
AD8256.adjusted by the NATIONAL GEODETIC SURVEY
AD8256.in September 1992.
AD8256
AD8256.Significant digits in the geoid height do not necessarily reflect accuracy.
AD8256.GEOID12B height accuracy estimate available here.
AD8256
AD8256.The dynamic height is computed by dividing the NAVD 88
AD8256.geopotential number by the normal gravity value computed on the
AD8256.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AD8256.degrees latitude (g = 980.6199 gals.).
AD8256
AD8256.The modeled gravity was interpolated from observed gravity values.
AD8256
AD8256; North East Units Estimated Accuracy
AD8256;SPC FL E - 269,630. 182,930. MT (+/- 180 meters Scaled)
AD8256
AD8256_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMK829606(NAD 83)
AD8256
AD8256 SUPERSEDED SURVEY CONTROL
AD8256
AD8256 NGVD 29 (09/01/92) 7.701 (m) 25.27 (f) ADJUSTED 1 2
AD8256
AD8256.Superseded values are not recommended for survey control.
AD8256
AD8256.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AD8256.See file dsdata.pdf to determine how the superseded data were derived.
AD8256

```

AD8256\_MARKER: DD = SURVEY DISK  
 AD8256\_SETTING: 38 = SET IN THE ABUTMENT OR PIER OF A LARGE BRIDGE  
 AD8256\_SP\_SET: ABUTMENT  
 AD8256\_STAMPING: 25 13  
 AD8256\_MARK LOGO: FLDT  
 AD8256\_MAGNETIC: N = NO MAGNETIC MATERIAL  
 AD8256\_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL  
 AD8256\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR  
 AD8256+SATELLITE: SATELLITE OBSERVATIONS - January 17, 2012

AD8256  
 AD8256 HISTORY - Date Condition Report By  
 AD8256 HISTORY - UNK MONUMENTED FLDT  
 AD8256 HISTORY - 19920331 GOOD NGS  
 AD8256 HISTORY - 20120117 GOOD MCKIM

AD8256  
 AD8256 STATION DESCRIPTION  
 AD8256

AD8256'DESCRIBED BY NATIONAL GEODETIC SURVEY 1992  
 AD8256'0.3 KM (0.20 MI) NORTHERLY ALONG BERNER ROAD FROM THE POST OFFICE IN  
 AD8256'CLEWISTON, THENCE 22.8 KM (14.15 MI) WESTERLY ALONG STATE HIGHWAY 80,  
 AD8256'IN TOP OF AND 0.3 M (1.0 FT) SOUTH OF THE NORTH END OF THE EAST  
 AD8256'CONCRETE ABUTMENT OF BRIDGE NUMBER 070025 SPANNING A CANAL, 5.4 M  
 AD8256'(17.7 FT) NORTHEAST OF THE CENTERLINE OF THE HIGHWAY, AND 0.2 M (0.7  
 AD8256'FT) ABOVE THE LEVEL OF THE HIGHWAY.

AD8256  
 AD8256 STATION RECOVERY (2012)  
 AD8256

AD8256'RECOVERY NOTE BY MCKIM AND CREED 2012 (CJB)  
 AD8256'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 = APRIL 12, 2017
AD8254 *****
AD8254 HT_MOD      -  This is a Height Modernization Survey Station.
AD8254 DESIGNATION -  N 414
AD8254 PID        -  AD8254
AD8254 STATE/COUNTY-  FL/HENDRY
AD8254 COUNTRY    -  US
AD8254 USGS QUAD   -  LAKE HICPOCHEE (1971)
AD8254
AD8254                                *CURRENT SURVEY CONTROL
AD8254
AD8254* NAD 83(2011) POSITION- 26 45 10.10065(N) 081 08 39.52531(W) ADJUSTED
AD8254* NAD 83(2011) ELLIP HT-  -18.183 (meters) (06/27/12) ADJUSTED
AD8254* NAD 83(2011) EPOCH   - 2010.00
AD8254* NAVD 88 ORTHO HEIGHT - 6.35 (meters) 20.8 (feet) GPS OBS
AD8254
AD8254 NAVD 88 orthometric height was determined with geoid model GEOID99
AD8254 GEOID HEIGHT      -  -24.499 (meters) GEOID99
AD8254 GEOID HEIGHT      -  -24.526 (meters) GEOID12B
AD8254 NAD 83(2011) X    -  877,378.476 (meters) COMP
AD8254 NAD 83(2011) Y    -  -5,631,312.457 (meters) COMP
AD8254 NAD 83(2011) Z    -  2,853,776.407 (meters) COMP
AD8254 LAPLACE CORR      -  -0.93 (seconds) DEFLEC12B
AD8254
AD8254 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AD8254 Standards:
AD8254      FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
AD8254      Horiz Ellip              SD_N   SD_E   SD_h      (unitless)
AD8254 -----
AD8254 NETWORK      1.76   3.63              0.73   0.71   1.85      -0.11724328
AD8254 -----
AD8254 Click here for local accuracies and other accuracy information.
AD8254
AD8254
AD8254.The horizontal coordinates were established by GPS observations
AD8254.and adjusted by the National Geodetic Survey in June 2012.
AD8254
AD8254.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
AD8254.been affixed to the stable North American tectonic plate. See
AD8254.NA2011 for more information.
AD8254
AD8254.The horizontal coordinates are valid at the epoch date displayed above
AD8254.which is a decimal equivalence of Year/Month/Day.
AD8254
AD8254.The orthometric height was determined by GPS observations and a
AD8254.high-resolution geoid model using precise GPS observation and
AD8254.processing techniques.
AD8254
AD8254.Significant digits in the geoid height do not necessarily reflect accuracy.
AD8254.GEOID12B height accuracy estimate available here.

```

See Superseeded Values

AD8254

AD8254.The X, Y, and Z were computed from the position and the ellipsoidal ht.

AD8254

AD8254.The Laplace correction was computed from DEFLEC12B derived deflections.

AD8254

AD8254.The ellipsoidal height was determined by GPS observations

AD8254.and is referenced to NAD 83.

AD8254

AD8254. The following values were computed from the NAD 83(2011) position.

AD8254

AD8254;		North	East	Units	Scale Factor	Converg.
AD8254;SPC FL E	-	268,024.285	185,645.919	MT	0.99994372	-0 03 53.9
AD8254;SPC FL E	-	879,343.01	609,073.32	sFT	0.99994372	-0 03 53.9
AD8254;UTM 17	-	2,959,064.818	485,650.816	MT	0.99960254	-0 03 53.9
AD8254!	-	Elev Factor	x	Scale Factor	=	Combined Factor
AD8254!SPC FL E	-	1.00000286	x	0.99994372	=	0.99994658
AD8254!UTM 17	-	1.00000286	x	0.99960254	=	0.99960540

AD8254

AD8254\_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMK8565059064(NAD 83)

AD8254

## SUPERSEDED SURVEY CONTROL

AD8254

AD8254	NAD 83(2007)-	26 45 10.10080(N)	081 08 39.52599(W)	AD(2002.00)	0
AD8254	ELLIP H (02/10/07)	-18.163 (m)		GP(2002.00)	
AD8254	NAD 83(1999)-	26 45 10.10095(N)	081 08 39.52611(W)	AD( )	1
AD8254	ELLIP H (12/12/02)	-18.160 (m)		GP( )	4 1
AD8254	NAVD 88 (09/04/92)	6.295 (m)	20.65 (f)	ADJUSTED	1 2
AD8254	NGVD 29 (09/01/92)	6.695 (m)	21.97 (f)	ADJUSTED	1 2

AD8254

AD8254.Superseded values are not recommended for survey control.

AD8254

AD8254.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AD8254.See file [dsdata.pdf](#) to determine how the superseded data were derived.

AD8254

AD8254\_MARKER: I = METAL ROD

AD8254\_SETTING: 15 = METAL ROD DRIVEN INTO GROUND. SEE TEXT FOR ADDITIONAL

AD8254+WITH SETTING: INFORMATION.

AD8254\_STAMPING: N 414 1992

AD8254\_MARK LOGO: NGS

AD8254\_PROJECTION: FLUSH

AD8254\_MAGNETIC: I = MARKER IS A STEEL ROD

AD8254\_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AD8254\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AD8254+SATELLITE: SATELLITE OBSERVATIONS - January 17, 2012

AD8254\_ROD/PIPE-DEPTH: 1.7 meters

AD8254

AD8254	HISTORY	-	Date	Condition	Report By
AD8254	HISTORY	-	1992	MONUMENTED	NGS
AD8254	HISTORY	-	20020518	GOOD	MAPTEC
AD8254	HISTORY	-	20081210	GOOD	GCT
AD8254	HISTORY	-	20120117	GOOD	MCKIM

AD8254

## STATION DESCRIPTION

AD8254

AD8254'DESCRIBED BY NATIONAL GEODETIC SURVEY 1992

AD8254'0.3 KM (0.20 MI) NORTHERLY ALONG BERNER ROAD FROM THE POST OFFICE IN  
 AD8254'CLEWISTON, THENCE 19.6 KM (12.15 MI) WESTERLY ALONG STATE HIGHWAY 80,  
 AD8254'31.4 M (103.0 FT) NORTH OF THE CENTERLINE OF THE HIGHWAY, 4.9 M (16.1  
 AD8254'FT) WEST OF THE CENTER OF A DRIVEWAY, 2.0 M (6.6 FT) SOUTHWEST OF A

AD8254'SUPPORT POST FOR A GATE, 1,4 M BELOW THE LEVEL OF THE HIGHWAY, AND  
AD8254'1.1 M (3.6 FT) SOUTH OF A WITNESS POST. NOTE--ACCESS TO THE DATUM  
AD8254'POINT IS THROUGH A 5-INCH LOGO CAP.

AD8254

AD8254 STATION RECOVERY (2002)

AD8254

AD8254'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CDP)

AD8254'STATION RECOVERY (2002)

AD8254'RECOVERY NOTE BY MAPTECH, INCORPORATED 2002 (CDP) .

AD8254'RECOVERED AS DESCRIBED.

AD8254

AD8254 STATION RECOVERY (2008)

AD8254

AD8254'RECOVERY NOTE BY GUSTIN, COTHERN, AND TUCKER, I 2008 (DAH)

AD8254'RECOVERED IN GOOD CONDITION.

AD8254

AD8254 STATION RECOVERY (2012)

AD8254

AD8254'RECOVERY NOTE BY MCKIM AND CREED 2012 (CJB)

AD8254'RECOVERED IN GOOD CONDITION.

\*\*\* retrieval complete.

Elapsed Time = 00:00:04

# Office

## Project

12 April 2017

### INPUT

Geographic, flhpgn - Florida HPGN  
Vertical - NAVD88, U.S. Feet

### OUTPUT

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

---

#### CRS04FGW1

1/5

**Latitude:** 26 45 07.0  
**Longitude:** 81 10 11.6  
**Elevation/Z:** 0

**Northing/Y:** 879040.235  
**Easting/X:** 600726.604  
**Elevation/Z:** 1.329  
**Convergence:** -0 04 35.29939  
**Scale Factor:** 0.999944700  
**Combined Factor:** 0.999948479

---

#### CRS04FGW2

2/5

**Latitude:** 26 45 07.0  
**Longitude:** 81 10 11.7  
**Elevation/Z:** 0

**Northing/Y:** 879040.247  
**Easting/X:** 600717.539  
**Elevation/Z:** 1.329  
**Convergence:** -0 04 35.34441  
**Scale Factor:** 0.999944702  
**Combined Factor:** 0.999948481

---

#### CRS04NGW1

3/5

**Latitude:** 26 45 07.3  
**Longitude:** 81 10 24.2  
**Elevation/Z:** 0

**Northing/Y:** 879072.066  
**Easting/X:** 599584.483  
**Elevation/Z:** 1.329  
**Convergence:** -0 04 40.97187  
**Scale Factor:** 0.999944847  
**Combined Factor:** 0.999948626

---

#### CRS04NGW2

4/5

**Latitude:** 26 45 07.2  
**Longitude:** 81 10 24.2  
**Elevation/Z:** 0

**Northing/Y:** 879061.969  
**Easting/X:** 599584.470  
**Elevation/Z:** 1.329  
**Convergence:** -0 04 40.97160  
**Scale Factor:** 0.999944847  
**Combined Factor:** 0.999948626

---

Remark:

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

# Office

## Project

12 April 2017

### INPUT

Geographic, flhpgn - Florida HPGN  
Vertical - NAVD88, U.S. Feet

### OUTPUT

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

---

## PSTAC3

5/5

**Latitude:** 26 45 07.4  
**Longitude:** 81 10 24.6  
**Elevation/Z:** 0

**Northing/Y:** 879082.213  
**Easting/X:** 599548.238  
**Elevation/Z:** 1.329  
**Convergence:** -0 04 41.15219  
**Scale Factor:** 0.999944852  
**Combined Factor:** 0.999948631

---

Remark:

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

# DBHYDRO | by station

## STATION INFORMATION

Station	CRS04FM
Site	CRS04F
Type	WELL
Latitude (ddmmss.sss)	264506.98
Longitude (ddmmss.sss)	811011.672
X Coord (ft) NAD83	600720.528
Y Coord (ft) NAD83	879038.224
County	Hendry
Basin	EAST CALOOSAHATCHEE
Section	18
Township	43
Range	32
Show Map	<a href="#">Google Map</a>
Well Info	<a href="#">Info</a>
Description	CALOOSAHATCHEE SEEPAGE PROJECT - SITE 4 - MEDIUM FAR WELL
Notes	
Nearby Stations	<a href="#">Nearby Stations</a>
Attachments	<a href="#">Show Attachments</a>

Query returned 1 station record(s).

[Get Time Series Data](#)



# DBHYDRO | by station

## STATION INFORMATION

Station	CRS04FS
Site	CRS04F
Type	WELL
Latitude (ddmmss.sss)	264506.98
Longitude (ddmmss.sss)	811011.672
X Coord (ft) NAD83	600720.528
Y Coord (ft) NAD83	879038.224
County	Hendry
Basin	EAST CALOOSAHATCHEE
Section	18
Township	43
Range	32
Show Map	<a href="#">Google Map</a>
Well Info	<a href="#">Info</a>
Description	CALOOSAHATCHEE SEEPAGE PROJECT - SITE 4 - SHALLOW FAR WELL
Notes	
Nearby Stations	<a href="#">Nearby Stations</a>
Attachments	<a href="#">Show Attachments</a>

Query returned 1 station record(s).

[Get Time Series Data](#)

# DBHYDRO | by station

## STATION INFORMATION

Station	CRS04N_H
Site	CRS04N
Type	
Latitude (ddmmss.sss)	264507.296
Longitude (ddmmss.sss)	811024.234
X Coord (ft) NAD83	599581.34
Y Coord (ft) NAD83	879071.577
County	Lee
Basin	EAST CALOOSAHATCHEE
Section	12
Township	43
Range	26
Show Map	<a href="#">Google Map</a>
Description	CALOOSAHATCHEE SEEPAGE PROJECT - SITE 4 - CHANNEL STAGE (HEADWATER)
Notes	
Nearby Stations	<a href="#">Nearby Stations</a>
Attachments	None Available

Query returned 1 station record(s).

[Get Time Series Data](#)

# DBHYDRO | by station

## STATION INFORMATION

Station	CRS04NM
Site	CRS04N
Type	WELL
Latitude (ddmmss.sss)	264507.296
Longitude (ddmmss.sss)	811024.234
X Coord (ft) NAD83	599581.34
Y Coord (ft) NAD83	879071.577
County	Hendry
Basin	EAST CALOOSAHATCHEE
Section	12
Township	43
Range	26
Show Map	<a href="#">Google Map</a>
Well Info	<a href="#">Info</a>
Description	CALOOSAHATCHEE SEEPAGE PROJECT - SITE 4 - MEDIUM NEAR WELL
Notes	
Nearby Stations	<a href="#">Nearby Stations</a>
Attachments	<a href="#">Show Attachments</a>

Query returned 1 station record(s).

[Get Time Series Data](#)

# DBHYDRO | by station

## STATION INFORMATION

Station	PSTAC3
Site	PSTA
Type	
Latitude (ddmmss.sss)	262216.276
Longitude (ddmmss.sss)	803427.193
X Coord (ft) NAD83	795572.478
Y Coord (ft) NAD83	740834.37
County	Palm Beach
Basin	STA-3/4
Section	7
Township	47
Range	38
Show Map	<a href="#">Google Map</a>
Description	PERIPHYTON-BASED STAS (TEST CELLS)
Notes	
Nearby Stations	<a href="#">Nearby Stations</a>
Attachments	None Available

Query returned 1 station record(s).

[Get Time Series Data](#)

# DBHYDRO | by station

## STATION INFORMATION

Station	CRS04NS
Site	CRS04N
Type	WELL
Latitude (ddmmss.sss)	264507.296
Longitude (ddmmss.sss)	811024.234
X Coord (ft) NAD83	599581.34
Y Coord (ft) NAD83	879071.577
County	Hendry
Basin	EAST CALOOSAHATCHEE
Section	12
Township	43
Range	26
Show Map	<a href="#">Google Map</a>
Well Info	<a href="#">Info</a>
Description	CALOOSAHATCHEE SEEPAGE PROJECT - SITE 4 - SHALLOW NEAR WELL
Notes	
Nearby Stations	<a href="#">Nearby Stations</a>
Attachments	<a href="#">Show Attachments</a>

Query returned 1 station record(s).

[Get Time Series Data](#)