```
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                        Publication_Date: Unpublished material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 CRS03
                        Edition: 1
                        Publication_Information:
                                Publication_Place: Not published
                                Publisher: None
                        Online_Linkage: skopec@pickett-inc.com
        Description:
                Abstract:
                        South Florida Water Management District
                        Well CRS03
                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°10'18.3"
                        East_Bounding_Coordinate: -081°10'16.5"
                        North_Bounding_Coordinate: +26°46'56.8"
                        South_Bounding_Coordinate: +26°46'55.8"
        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 CRS03
                        Place_Keyword: Sec. 31, Twp. 42 S., Rge. 32 E.
                        Place_Keyword: Glades County, Florida
                        Place_Keyword_Thesaurus: Geographic Names Information System
                        Place_Keyword: Florida
                        Place_Keyword: Glades County
                        Place_Keyword: CRS03
        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:

Project Results

Horizontal data was established using DGPS technology.
Vertical data were established with differential leveling using control point 25_13(AD8256).

Completeness_Report:

Horizontal location taken at approximate center of wells.

CRS03N

Well CRS03N
Lat. +26°46'56.7"
Long. -081°10'17.8"
N 890113
E 600180
Existing reference mark is an arrow on the inside of the east side of a 2" PVC pipe with the elevation taken on top of the rim of the pipe with an NGVD 29 elevation of 20.02' for GW #1 and 20.585' for GW #2 Dated 10/20/99 with initials EE/AW.
New leveled elevations.
18.828' (NAVD 88)
20.138' (NGVD 29) based on superseded elevation on benchmark 25_13(AD8256)
20.013' (NGVD 29) based on site worksheets provided by SFWMD
Well (6' South of CRS03N)
Lat. +26°46'56.6"
Long. -081°10'17.8"
N 890108
E 600178
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 20.585'.
New leveled elevations.
19.396' (NAVD 88)
20.706' (NGVD 29) based on superseded elevation on benchmark 25_13(AD8256)
20.581' (NGVD 29) based on site worksheets provided by SFWMD

PSTAC 2

Well PSTAC2
Lat. +26°46'56.8"
Long. -081°10'18.3"
N 890123
E 600133
Existing reference mark is an "X" on the plywood with an NGVD 29 elevation of 19.785' Dated 10/20/99 with initials EE/AW. Pipe is 8" PVC.
New leveled elevations.
18.584' (NAVD 88)
19.894' (NGVD 29) based on superseded elevation on benchmark 25_13(AD8256)
19.769' (NGVD 29) based on site worksheets provided by SFWMD
Staff Gauge (next to PSTAC2)
Lat. +26°46'56.7"
Long. -081°10'18.3"
N 890121
E 600133
Existing reference mark is at water elevation. Staff gauge reads 11.15. Dated 3-3-03.
New leveled elevations.
9.935' (NAVD 88)
11.245' (NGVD 29) based on superseded elevation on

benchmark 25_13(AD8256)
11.120' (NGVD 29) based on site worksheets provided by
SFWMD
CRS03F Well CRS03F
Lat. +26°46'55.8"
Long. -081°10'16.5"
N 890023
E 600293
Existing reference mark is an arrow on the inside of the
north side of a 2" PVC pipe with the elevation taken
on top of the rim of the pipe with an NGVD 29 elevation of
17.21' for GW #1 and 17.385' for GW #2 Dated 10/20/99
with initials EE/AW.
New leveled elevations.
16.191' (NAVD 88)
17.501' (NGVD 29) based on superseded elevation on
benchmark 25_13(AD8256)
17.376' (NGVD 29) based on site worksheets provided by
SFWMD
Well (6' North of CRS03F)
Lat. +26°46'55.8"
Long. -081°10'16.6"
N 890027
E 600292
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
17.385'.
New leveled elevations.
16.013' (NAVD 88)
17.323' (NGVD 29) based on superseded elevation on
benchmark 25_13(AD8256)
17.198' (NGVD 29) based on site worksheets provided by
SFWMD
Site Benchmark.
"SITE3" is an aluminum disc set in concrete slab stamped
"SO. FLA. WATER MANAGEMENT DIST SURVEY
MARKER BM SITE 3"
To reach from the intersection of U.S. 27 and S.R. 80,
go West (4.0 Miles) to dirt road and iron gate (on
the right) leading into a sugarcane field, United States
Sugar Corp. Go Northerly (0.5 Miles) on dirt road to
two parallel northwest roads. Take the most northerly road
(1.9 Miles) to dirt road heading Northwest. Take
dirt road Northwest (0.55 Miles) to station on left. PSTAC2
Station is 100’ +/- West on a wooden dock.
CRS03F is located 300’ +/- east of CRS03N.
Benchmark "SITE3" is 10.00’ East of metal witness post.
United States Department of the Interior Geological Survey
Quadrangle Map -- LAKE HICPOCHEE
Location of SITE3
Lat. +26°46'56.6"
Long. -081°10'17.7"
N 890111
E 600189
Elevations.
15.315' (NAVD 88)
16.625' (NGVD 29) based on superseded elevation on
benchmark 25_13(AD8256)
16.500' (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
SITE3 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: 0.002 m
                                Vertical_Positional_Accuracy_Explanation: NAVD 88 level run,
0.002m closure in 3,768m, max. allowed 0.024m (MTS)
                        Quantitative_Vertical_Positional_Accuracy_Assessment:
                                Vertical_Positional_Accuracy_Value: 0.002 m
                                Vertical_Positional_Accuracy_Explanation: NAVD 29 level run,
0.002m closure in 3,768m, 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 03 N

Pickett & Associates, Inc.

Date of Survey: February 19, 2003

Looking: West

Well - CRS 03 N

Pickett & Associates, Inc.

Date of Survey: February 19, 2003

Looking: West

Well - (6’ South of CRS 03 N)

Pickett & Associates, Inc.

Date of Survey: February 19, 2003

Looking: West

Well - PSTAC 2

Pickett & Associates, Inc.

Date of Survey: February 19, 2003

Looking: West

Well - PSTAC 2

Pickett & Associates, Inc.

Date of Survey: February 19, 2003

Looking: West

Well - CRS 03 F

Pickett & Associates, Inc.

Date of Survey: February 19, 2003

Looking: East

Well - CRS 03 F

Pickett & Associates, Inc.

Date of Survey: February 19, 2003

Looking: East

Well - (6’ North of CRS 03 F)

Pickett & Associates, Inc.

Date of Survey: February 19, 2003

Looking: East

Well - BM Site 3

Pickett & Associates, Inc.

Date of Survey: February 19, 2003

16 SFWMD 12188-1

K ROYER
P SLOAN
2-19-03

- SITE -

CRS 03N

CRS 03F

PSTAC 2

STAFF GAUGE

- SITE BM

BM SITE 3

4700 TRIMBLE DGPS

FILE 12188-0218

PND	DESC
110	CRS 03N
111	WELL 6' SOUTH
112	PSTAC 2
113	STAFF GAUGE
114	CRS 03F
115	WELL 5' NORTH
138	"BM SITE 3" ALUM DISC SET IN CONC SLAB

18 SFWMD 12/88-1 K. ROYER P. SLOAN 2-19-03

DIGITAL CAMERA

DISK 3: CRS03 N, CRS03 F, PSTAC2

PICTURE	DESCRIPTION
1	CRS03 N (LOOKING WEST)
2	CRS03 N (INTERIOR)
3	PSTAC 2 (LOOKING WEST)
4	PSTAC 2 (INTERIOR)
5	WMD, 6' S. OF CRS03N (INT
6	CRS03 F (LOOKING EAST)
7	CRS03 F (INTERIOR)
8	WELL (INTERIOR)
9	SITE B BM

44

K. ROYER
P. SLOAN
2/24/03

5601-22 SFNMD 12188-1

Ck BENCHMARKS

TP	+	HI	-	EL
1	0.392	24.352		
2	4.494	25.571	4.860	20.710
3	5.026	25.737		
4	3.374	24.767	4.404	21.333
5	5.232	24.419	5.520	19.187
6	6.774	25.216	5.977	18.442
7	7.627	25.695	7.148	18.069
8	5.913	25.276	6.332	19.363
9	6.729	26.200	5.804	19.472
10	6.406	25.708	6.898	19.302
11	6.818	26.103	6.423	19.285
12	6.776	26.278	6.600	19.503
13	5.340	25.805	5.813	20.465

BmEL	Desc
23.96	BM 2513
	SCREWDRIVER
	SCREWDRIVER
	SCREWDRIVER
	GOD IN P. POLE #131
	TBM 204 GPS # 150
	SCREWDRIVER
	SCREWDRIVER
	GOD IN POLE # 769
	TBM205 GPS # 149
	SCREWDRIVER
	SCREWDRIVER
	SCREWDRIVER
	SCREWDRIVER
	GOD IN P POLE #
	TBM206 GPS # 148

46/

5601-22	SFWMD	12188-1		R ROYER P SLOAN 2-24-03
TP	+	HI	-	EL
14	6.395	26.850	5.350	20.455
15	6.355	27.108	6.097	20.753
16	6.195	26.712	6.592	20.516
17	6.307	26.559	6.459	20.253
18	3.961	25.516	5.004	21.555
19	5.703	26.165	5.054	20.462
20			5.530	20.636

BMEL		DESCRIPTION
		SCREWDRIVER
		SCREWDRIVER
		SCREWDRIVER
		SCREWDRIVER
		5/8" IRC "L9 3/4" 6' N OF NEOPE W END CURVE
		TBM207 GPS PT=207
		SCREWDRIVER
20.650	-0.014	BM N414

50/561-22 SFNMD 12188-1

K ROYER
P SLOAN
2-28-03

CK BMS ON CP80

TP	+	HI	-	EL
1	1.635	25.595		
2	5.415	25.574	5.436	20.159
3	4.128	23.546	6.155	19.418
4	3.446	22.469	4.523	19.023
5	5.261	22.801	4.929	17.540
6	3.111	21.723	4.189	18.612
7	3.342	20.514	4.551	17.172
8	4.440	21.675	3.280	17.235
9	3.995	21.534	4.136	17.539
10	5.11	21.506	5.138	16.396
11	7.156	22.353	6.309	15.197
12	3.819	24.025	2.146	20.207
13	1.934	20.223	5.737	18.288
14	4.847	20.166	4.905	15.318
15	4.076	22.764	1.478	18.688

BMEL	DESC.	
23.96	BM 2513	
	S.D.	
	S.D.	
	S.D.	
	TBM208	5/8" IRC "REF LB 364" GPS PT # 152
	S.D.	
	S.D.	
	S.D.	
	S.D.	
	TBM209	5/8" IRC "REF LB 364" GPS PT. 151
	S.D.	
	S.D.	
	S.D.	
	BM SITE 3	
	S.D.	

52/
561-22

K. ROYER
P. SLOAN
12188-1

TP	+	H.I.	−	EL		Bm EL	DESC.
16	1.14	21.961	1.943	20.821			S.D.
17	6.833	21.569	7.225	14.736			S.D.
18	4.891	21.65	4.81	16.759			S.D.
19	5.754	23.152	4.252	17.398			S.D.
20	4.266	21.965	5.453	17.699			S.D.
21	6.413	23.451	4.927	17.307			S.D.
22	5.565	23.484	5.531	17.919			S.D.
23	6.212	23.77	5.926	17.557		17.54	S.D.
24	4.632	23.325	5.076	18.693			S.D.
25	6.114	25.618	3.821	19.504			S.D.
26	5.029	24.92	5.726	19.892			S.D
27			0.955	23.965	+.005	23.96	BM 2513

SEE PG 51/561-22

54

561-22	12188-1	SFWMD		K. ROYER P. SLOAN D. WILLIAMS 3-3-03

LEVELS @ SITE 3

TP	+	HI	−	EL
1	5.815	21.133		
			5.326	15.807
			2.302	18.831
			5.323	15.810
			1.734	19.399
			2.546	18.587
			11.196	9.938
			8.864	12.269
			9.012	12.121
			5.116	16.016
2	4.781	20.974	4.939	16.194
3			5.656	15.318

BM EL	DESC
15.318	BM SITE 3
	GR. SHOT CRS-03N
	E. Top PVC of CRS-03N
	Ground shot at well 6' S of CRS-03N
	W. Face of top PVC 6' S of CRS 03N
	Ref "X" on plywood PSTAC 2
	Staph gauge water level next to PSTAC 2 (NOTE: staph gauge reads 11.15 3-3-03)
	ground at CRS 03F
	Well 6' N of CRS03F ground shot
	W. face top of PVC CRS 03F 6' N.
	N face of PVC at well ~~6' N~~ of CRS 03F
15.318	BM Site 3 (see above)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT Rev. 4/01

COUNTY: GLADES	**PROJECT:** Well Sites	**DESIGNATION:** SITE3
SECTION 31	**TOWNSHIP** 42 **SOUTH**	**RANGE** 32 **EAST**
GEOGRAPHIC INDEX OF QUAD: Florida		
Established by ___Recovered by___X___ Pickett & Associates, Inc.	**NAME OF QUADRANGLE:** Lake Hicpochee	
SURVEYOR: Kyle Royer **DATE:** 2/19/2003	**FIELD BOOK:** 561-22 **PAGE:** 16-18, 50-54	
HORIZONTAL DATUM: NAD 83/99 **ZONE:** EAST		
VERTICAL DATUM: NAVD 1988, NGVD 1929 (NGS superseded control), & NGVD 1929 (SFWMD previously published elevation)		
CONTROL ACCURACY: HORIZONTAL N/A **VERTICAL 1 2 (3)**		

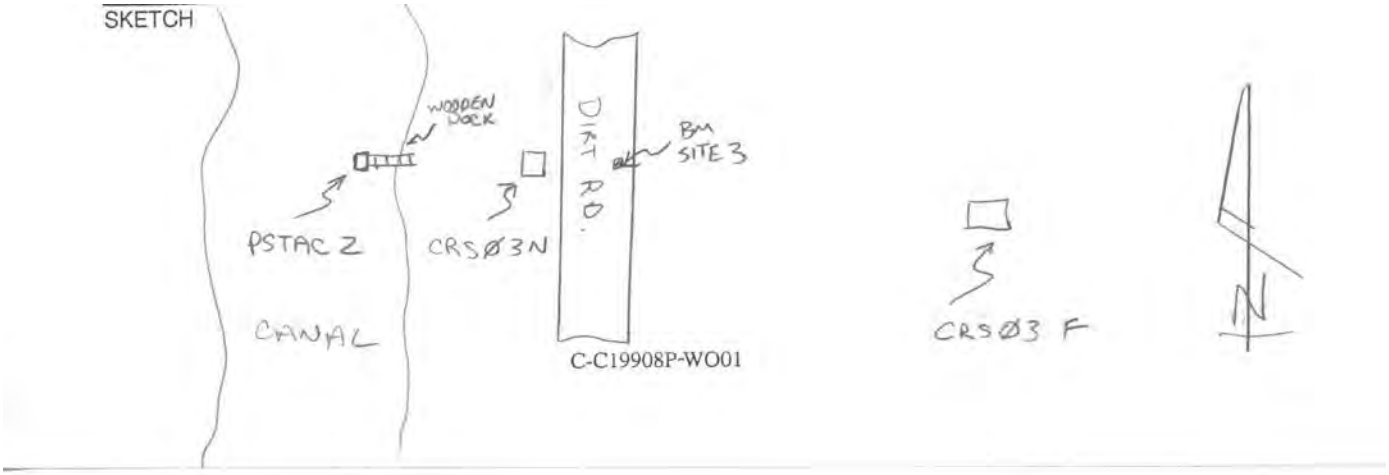
STATE PLANE COORDINATES Feet	**X** 600189	**Y** 890111	**EL. =** 15.315' (NAVD 88) **EL. =** 16.625' (NGS NGVD 29) **EL. =** 16.500' (SFWMD NGVD 29)

LATITUDE: 26°46'56.6" N LONGITUDE: 81°10'17.7" W

DESCRIPTION

To Reach: From the intersection of U.S. 27 and S.R. 80, go West (4.0 Miles) to dirt road and iron gate (on the right) leading into a sugarcane field, United States Sugar Corp. Go Northerly (0.5 Miles) on dirt road to two parallel northwest roads. Take the most northerly road (1.9 Miles) to dirt road heading Northwest. Take dirt road Northwest (0.55 Miles) to station on left. PSTAC2 Station is 100' +/- West on a wooden dock.
CRS03F is located 300' +/- east of CRS03N.
"BM SITE 3" is 10.00' East of metal witness post.

SKETCH



NAVD88 Adjustment

CRS03-88.LEV

2513	23.960
2	20.159
26	19.886
3	19.419
25	19.498
4	19.023
24	18.688
208	17.540
23	17.552
6	18.612
22	17.914
7	17.172
21	17.032
8	17.233
20	17.694
9	17.537
19	17.393
209	16.394
18	16.754
11	15.195
17	14.731
12	20.204
16	20.817
13	18.286
15	18.684
SITE3	15.315

NAVD88 Level Run

2513					23.960
2513	Rb	1.635	HD	292.420	
2	Rf	5.436	HD	231.530	
2					20.159
2	Rb	5.415	HD	204.760	
3	Rf	6.155	HD	302.230	
3					19.419
3	Rb	4.128	HD	268.410	
4	Rf	4.523	HD	269.980	
4					19.024
4	Rb	3.446	HD	262.140	
208	Rf	4.929	HD	273.130	
208					17.541
208	Rb	5.261	HD	308.200	
6	Rf	4.189	HD	263.320	
6					18.613
6	Rb	3.111	HD	276.180	
7	Rf	4.551	HD	305.020	
7					17.173
7	Rb	3.342	HD	259.350	
8	Rf	3.280	HD	272.830	
8					17.235
8	Rb	4.440	HD	265.030	
9	Rf	4.136	HD	297.870	
9					17.539
9	Rb	3.995	HD	243.540	
209	Rf	5.138	HD	232.280	
209					16.396
209	Rb	5.110	HD	163.190	
11	Rf	6.309	HD	214.440	
11					15.197
11	Rb	7.156	HD	191.630	
12	Rf	2.146	HD	206.170	
12					20.207
12	Rb	3.819	HD	145.730	
13	Rf	5.737	HD	119.390	
13					18.289
13	Rb	1.934	HD	166.570	
SITE3	Rf	4.905	HD	148.850	
SITE3					15.318
SITE3	Rb	4.847	HD	149.340	
15	Rf	1.478	HD	200.660	
15					18.687
15	Rb	4.076	HD	166.630	
16	Rf	1.943	HD	134.020	
16					20.820
16	Rb	1.140	HD	137.800	
17	Rf	7.225	HD	186.940	
17					14.735
17	Rb	6.833	HD	268.630	
18	Rf	4.810	HD	245.440	
18					16.758

18	Rb	4.891	HD	232.680		
19	Rf	4.252	HD	244.850		
19					17.397	
19	Rb	5.754	HD	285.990		
20	Rf	5.453	HD	248.420		
20					17.698	
20	Rb	4.266	HD	296.980		
21	Rf	4.927	HD	234.840		
21					17.037	
21	Rb	6.413	HD	292.030		
22	Rf	5.531	HD	293.240		
22					17.919	
22	Rb	5.565	HD	262.300		
23	Rf	5.927	HD	211.150		
23					17.557	
23	Rb	6.212	HD	259.780		
24	Rf	5.076	HD	296.850		
24					18.693	
24	Rb	4.632	HD	323.750		
25	Rf	3.821	HD	304.430		
25					19.504	
25	Rb	6.114	HD	207.970		
26	Rf	5.726	HD	239.300		
26					19.892	
26	Rb	5.029	HD	233.560		
2513	Rf	0.955	HD	220.540		
2513					23.966	
End-Line					23.960	
					0.006	ACTUAL ERROR
				12362.310		TOTAL DISTANCE
			1/	2060385.000		PRECISION
				0.077		MTS ALLOWABLE ERROR

NGVD29 Adjustment

CRS03-29.LEV

2513	25.270
2	21.469
26	21.196
3	20.729
25	20.808
4	20.333
24	19.998
208	18.850
23	18.862
6	19.922
22	19.224
7	18.482
21	18.342
8	18.543
20	19.004
9	18.847
19	18.703
209	17.704
18	18.064
11	16.505
17	16.041
12	21.514
16	22.127
13	19.596
15	19.994
SITE3	16.625

NGVD29 Level Run

2513					25.270
2513	Rb	1.635	HD	292.420	
2	Rf	5.436	HD	231.530	
2					21.469
2	Rb	5.415	HD	204.760	
3	Rf	6.155	HD	302.230	
3					20.729
3	Rb	4.128	HD	268.410	
4	Rf	4.523	HD	269.980	
4					20.334
4	Rb	3.446	HD	262.140	
208	Rf	4.929	HD	273.130	
208					18.851
208	Rb	5.261	HD	308.200	
6	Rf	4.189	HD	263.320	
6					19.923
6	Rb	3.111	HD	276.180	
7	Rf	4.551	HD	305.020	
7					18.483
7	Rb	3.342	HD	259.350	
8	Rf	3.280	HD	272.830	
8					18.545
8	Rb	4.440	HD	265.030	
9	Rf	4.136	HD	297.870	
9					18.849
9	Rb	3.995	HD	243.540	
209	Rf	5.138	HD	232.280	
209					17.706
209	Rb	5.110	HD	163.190	
11	Rf	6.309	HD	214.440	
11					16.507
11	Rb	7.156	HD	191.630	
12	Rf	2.146	HD	206.170	
12					21.517
12	Rb	3.819	HD	145.730	
13	Rf	5.737	HD	119.390	
13					19.599
13	Rb	1.934	HD	166.570	
SITE3	Rf	4.905	HD	148.850	
SITE3					16.628
SITE3	Rb	4.847	HD	149.340	
15	Rf	1.478	HD	200.660	
15					19.997
15	Rb	4.076	HD	166.630	
16	Rf	1.943	HD	134.020	
16					22.130
16	Rb	1.140	HD	137.800	
17	Rf	7.225	HD	186.940	
17					16.045
17	Rb	6.833	HD	268.630	
18	Rf	4.810	HD	245.440	
18					18.068

18	Rb	4.891	HD	232.680		
19	Rf	4.252	HD	244.850		
19					18.707	
19	Rb	5.754	HD	285.990		
20	Rf	5.453	HD	248.420		
20					19.008	
20	Rb	4.266	HD	296.980		
21	Rf	4.927	HD	234.840		
21					18.347	
21	Rb	6.413	HD	292.030		
22	Rf	5.531	HD	293.240		
22					19.229	
22	Rb	5.565	HD	262.300		
23	Rf	5.927	HD	211.150		
23					18.867	
23	Rb	6.212	HD	259.780		
24	Rf	5.076	HD	296.850		
24					20.003	
24	Rb	4.632	HD	323.750		
25	Rf	3.821	HD	304.430		
25					20.814	
25	Rb	6.114	HD	207.970		
26	Rf	5.726	HD	239.300		
26					21.202	
26	Rb	5.029	HD	233.560		
2513	Rf	0.955	HD	220.540		
2513					25.276	
End-Line					25.270	
					0.006	ACTUAL ERROR
				12362.310		TOTAL DISTANCE
			1/	2060385.000		PRECISION
				0.077		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  3, 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
```

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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
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The NGS Data Sheet

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

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PROGRAM = datasheet95, VERSION = 8.12.1
1         National Geodetic Survey,   Retrieval Date = APRIL  3, 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.
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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
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
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
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
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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 = 00:00:02
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