



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

| | | | | | | | | | | |
|--|--|--|--|--|---|---|--|---|--|--|
| USGS Station Name: Not applicable | | SCADA RTU Station Name: Not Applicable | | DB Hydro Station Name: ORF-61 ORH-1 ORS-3 | | DB Hydro Site Name: ORF61 ORF61 ORF61 | | Agency: WMD | | |
| Party Chief: RODRIGUEZ/EBANKS | | Field Book: NONE | | Page | Date of Field Work: 25-aug-14 | | Prepared by: H. Ehmke 22-jul-20 | | | |
| BENCHMARK DATA | | | | | | | | | | |
| Site Benchmark: R627 (DI9116) | | Site Benchmark El. 107.749 NAVD88* | | NGS Source Benchmark: R627 (DI9116) | | NGS Source Benchmark El.: 107.749 NAVD88 | | +0.879 Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) | | |
| | | | | | | | | +0.94 - Historical Conversion Factor * | | |
| SITE SPECIFIC DATA | | | | | | | | | | |
| * In the 2008 Surveyor's Report R627 is listed as 107.77 NAVD88 and 108.71 NGVD29 | | | | | | | | | | |
| GW1 (ORS-3) Reference El.: 107.521 NAVD88 (Survey) 108.40 NGVD29 (Corpscon) 108.40 NGVD29 (Historical) | | | GW2 (ORH-1) Reference El.: 107.611 NAVD88 (Survey) 108.49 NGVD29 (Corpscon) 108.49 NGVD29 (Historical) | | | GW3 (ORF-61) Reference El.: 107.61 NAVD88 (Survey) 108.489 NGVD29 (Corpscon) 108.49 NGVD29 (Historical) | | | | |
| Existing Brass Tag Elevation (Datum): NGVD29 GW1 – 108.40 (1-2-08 WOOLPERT) 29 GW2 – 108.49 (1-2-08 WOOLPERT) 29 | | | | Existing Brass Tag Elevation (Datum): NGVD29 GW3 – 108.49 (1-2-08 WOOLPERT) 29 | | | | Calibration Port Elevation(s) (NAVD88): Not Applicable | | |
| Ground Elevation (NAVD88): Not Taken | | | | | Pad Elevation (NAVD88): Not Applicable | | | | | |
| GEOGRAPHIC DATA | | | | | | | | | | |
| Section 20 | | | Township 23 South | | | | Range 28 East | | | |
| Well | | Latitude: 28°28'18.37" | | Longitude: 81°32'05.8" | | Source: Pick point Google Earth | | | | |
| | | State Plane Coordinates | | Northing (Y) = | | Easting (X) = | | | | |
| Notes: NAVD88 – North American Vertical Datum of 1988 NGS – National Geodetic Survey NGVD29 - National Geodetic Vertical Datum of 1929 Corpscon 6.0.1 - A U.S. Army Corps of Engineers Engineering Research and Development Center Topographic Engineering Center Alexandria, Virginia Windows-based program to convert coordinates and elevations between datum's using vertcon05.txt and vertcon05.05 files supplied by the U.S. Army Corps of Engineers South Atlantic Division, Jacksonville FL. Historical Conversion Factor – The difference between the NAVD88 value derived from the National Geodetic Survey Source benchmark and the value used at the time of the survey. | | | | | | | | | | |
| PICTURES | | | | | | | | | | |
| Aerial Overall Site | | | | | | | | | | |
| <div style="position: absolute; top: 10%; left: 45%; border: 1px solid black; padding: 2px;"> ORF62 Well Site Latitude: 28°28'18.37" Longitude: 81°32'05.8" </div> <div style="position: absolute; top: 25%; left: 15%; border: 1px solid black; padding: 2px;"> Benchmark "R627" Latitude: 28°28'09.22" Longitude: 81°32'27.90" El. 107.749 NAVD88 </div> <div style="position: absolute; top: 75%; left: 85%; border: 1px solid black; padding: 2px;"> Not to Scale Google Earth Product </div> | | | | | | | | | | |



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

Overall Well Site



Looking Northerly (oblique not to scale) (02-jan-08)

GW1 (ORS-3) Well Head



Oblique not to scale (03-nov-14)

Old NGVD29 Brass Tag Close-up (removed)



New NAVD88 Brass Tag Close-up (added)





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

GW2 (ORH-1) Well Head

Reference Point
El. 107.611 NAVD88

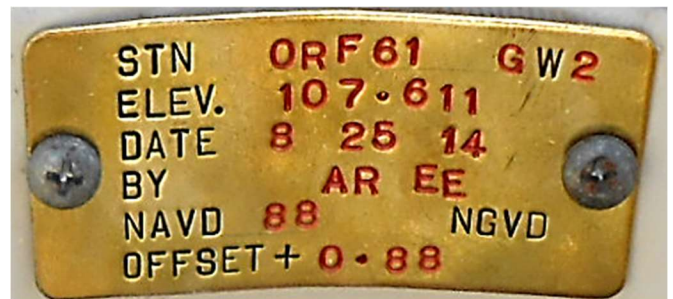


Oblique not to scale (03-nov-14)

Old NGVD29 Brass Tag Close-up (removed)



New NAVD88 Brass Tag Close-up (added)



GW3 (OSF-61) Well Head

Reference Point
El. 107.61 NAVD88



Oblique not to scale (03-nov-14)

Old NGVD29 Brass Tag Close-up (removed)



New NAVD88 Brass Tag Close-up (added)



Site Information

| | |
|-------------|--|
| 2 Site | ORF61 |
| Common Name | R.D. KEENE PARK GROUNDWATER MONITORING WELLS |
| Location | ENTER R.D. KEENE PARK. WELLS ARE LOCATED IN A FENCED AREA NEAR THE PARKING AREA ADJACENT TO GUARD SHACK. |
| Site Notes | null |
| Contact | DOUG WILKINS, ESDA, SIMON SUNDERLAND |

Station Information for Site ORF61

| Station | Description | Latitude | Longitude | Xcoord | Ycoord | County | Basin | Section | Town | Range |
|---------|--|------------|------------|------------|-------------|--------|----------|---------|------|-------|
| ORF-61 | RD KEENE FAS TEST WELL - (142 - 650 FEET) | 282818.339 | 813204.954 | 484377.191 | 1504604.675 | ORA | UPPER RE | 20 | 23 | 28 |
| ORH-1 | Intermediate Confining Unit Monitor Well - (52 - 92 feet) | 282818.339 | 813204.954 | 484377.191 | 1504604.675 | ORA | UPPER RE | null | null | null |
| ORS-3 | Surficial Aquifer Monitor Well Monitor Well - (22 - 51 feet) | 282818.354 | 813205.813 | 484300.536 | 1504606.531 | ORA | UPPER RE | null | null | null |

| Site Name | Sensor |
|-----------|--------|
| ORF 61 | GW1 |

| | | | |
|--------------------------------|---------------------------------|----------------------------|---------------------------|
| Latitude 28° 28' 09" | Longitude 81° 32' 28" | Northing 1503773 | Easting 482382 |
| Section 10 | Township 23 | Range 28 | County Orange |
| | | | Quad Windermere |

Benchmark Information:

| | | | | |
|----------------------|-----------------------------------|-------------------------|-------------------------|-------------|
| Name R 627 | Existing / Set Existing | NAVD88 107.77 | NGVD29 108.71 | <i>0.94</i> |
|----------------------|-----------------------------------|-------------------------|-------------------------|-------------|

Reference Point Information:

| | | |
|---|-------------------------------|----------------------------------|
| Stamped Elevation (NGVD29) 108.40 | Stamped Date 1-2-08 | By Firm Woolpert, Inc. |
|---|-------------------------------|----------------------------------|

Note: Reference point at top of PVC pipe as marked.

Staff Gauge Information:

| | | | |
|---------------------------------------|----------------------------|------------------------------|------------------------------|
| Water Elevation (NGVD29) NA | Gauge Reading NA | Time of Reading NA | Date of Reading NA |
|---------------------------------------|----------------------------|------------------------------|------------------------------|

To Reach Description:

From the intersection of SR535 and I-4 in Lake Buena Vista, FL proceed north on SR535 for 0.50mi to S. Apopka Vinland Rd. Turn left (west) and proceed on S. Apopka Vinland Rd. for 7.8 mi to Chase Rd. Turn right (east) onto Chase Rd. and proceed on Chase Rd. for 1.6 mi (Chase Rd. has a left turn at a "T" intersection) to entrance to public park and boat ramp on the right (east). Follow main east bound road in park for 0.50 mi where the paying station for the boat ramp is. Turn left (north) into parking lot to the north and proceed to the most north end of the parking lot. Wells are found about 250' north-northwest of the north end of the parking area in a black chain link fence.

Sensor Well Area:



Sensor Well:



Tag Close-up:



Bench Mark:



Bench Mark:



108.40
0.879

107.521 (navd 88)

Coripseon offset = 0.879

| Site Name | Sensor |
|-----------|--------|
| ORF 61 | GW2 |

Latitude
28° 28' 09"

Longitude
81° 32' 28"

Northing
1503773

Easting
482382

Section
10

Township
23

Range
28

County
Orange

Quad
Windermere

Benchmark Information:

Name
R 627

Existing / Set
Existing

NAVD88
107.77

NGVD29
108.71

Reference Point Information:

Stamped Elevation (NGVD29)
108.49

Stamped Date
1-2-08

By Firm
Woolpert, Inc.

Note: Reference point at top of PVC pipe as marked.

Staff Gauge Information:

Water Elevation (NGVD29)
NA

Gauge Reading
NA

Time of Reading
NA

Date of Reading
NA

To Reach Description:

From the intersection of SR535 and Interstate 4 in Lake Buena Vista, FL proceed north on SR535 for 0.50mi to S. Apopka Vinland Rd. Turn left (west) and proceed on S. Apopka Vinland Rd. for 7.8 mi to Chase Rd. Turn right (east) onto Chase Rd. and proceed on Chase Rd. for 1.6 mi (Chase Rd. has a left turn at a "T" intersection) to entrance to public park and boat ramp on the right (east). Follow main east bound road in park for 0.50 mi where the paying station for the boat ramp is. Turn left (north) into parking lot to the north and proceed to the most north end of the parking lot. Wells are found about 250' north-northwest of the north end of the parking area in a black chain link fence.

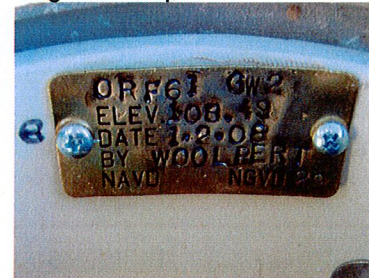
Sensor Well Area:



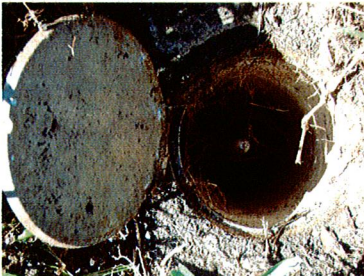
Sensor Well:



Tag Close-up:



Bench Mark:



Bench Mark:



108.49
0.879

107.611 (navd88)

| Site Name | Sensor |
|-----------|--------|
| ORF 61 | GW3 |

| | | | |
|--------------------------------|---------------------------------|----------------------------|--------------------------|
| Latitude 28° 28' 09" | Longitude 81° 32' 28" | Northing 1503773 | Easting 482382 |
| Section 10 | Township 23 | Range 28 | County Orange |
| | | Quad Windermere | |

Benchmark Information:

| | | | |
|----------------------|-----------------------------------|-------------------------|-------------------------|
| Name R 627 | Existing / Set Existing | NAVD88 107.77 | NGVD29 108.71 |
|----------------------|-----------------------------------|-------------------------|-------------------------|

Reference Point Information:

| | | |
|---|-------------------------------|----------------------------------|
| Stamped Elevation (NGVD29) 108.49 | Stamped Date 1-2-08 | By Firm Woolpert, Inc. |
|---|-------------------------------|----------------------------------|

Note: Reference point at top of PVC pipe as marked.

Staff Gauge Information:

| | | | |
|---------------------------------------|----------------------------|------------------------------|------------------------------|
| Water Elevation (NGVD29) NA | Gauge Reading NA | Time of Reading NA | Date of Reading NA |
|---------------------------------------|----------------------------|------------------------------|------------------------------|

To Reach Description:

From the intersection of SR535 and Interstate 4 in Lake Buena Vista, FL proceed north on SR535 for 0.50mi to S. Apopka Vinland Rd. Turn left (west) and proceed on S. Apopka Vinland Rd. for 7.8 mi to Chase Rd. Turn right (east) onto Chase Rd. and proceed on Chase Rd. for 1.6 mi (Chase Rd. has a left turn at a "T" intersection) to entrance to public park and boat ramp on the right (east). Follow main east bound road in park for 0.50 mi where the paying station for the boat ramp is. Turn left (north) into parking lot to the north and proceed to the most north end of the parking lot. Wells are found about 250' north-northwest of the north end of the parking area in a black chain link fence.

Sensor Well Area:



Sensor Well:



Tag Close-up:



Bench Mark:



Bench Mark:



$$\begin{array}{r}
 108.49 \\
 0.879 \\
 \hline
 107.611 \text{ (navd 88)}
 \end{array}$$



Survey Data Entry and Retrieval Application (SDERA) Print Output

Control Point Search Results

Derived Data - Denoted By: **

| | | | |
|-------------------|-------------------------------------|----------------------|-------------|
| Designation | R627 | Record State | ACCEPTED |
| NGS PID | | | |
| Project Name | ORF61 WELL SITE | Date Entered/Updated | 06/27/2009 |
| Updated By | ATLAS DATA LOAD | Status | PRELIMINARY |
| Party Chief | | Type | V |
| Monument Set By | FL DEPT OF ENVIRONMENTAL PROTECTION | Date Established | 01/01/2005 |
| County | ORANGE | Section | 20 |
| Township | 23 | Range | 28 |
| Quadrangle | WINTER GARDEN | Offset (29 to 88) | |
| NGS Source BM | | CCR Link | |
| Ctrl Pt Source(s) | | | |

| <u>Horizontal</u> | <u>NAD 1927</u> | <u>NAD 1983</u> | <u>Vertical</u> | <u>NGVD 1929</u> | <u>NAVD 1988</u> |
|-------------------|-----------------|-----------------|------------------|------------------|------------------|
| Latitude | | 28 28 08.0 | Class | 1 | 1 |
| Longitude | | 81 32 28.0 | Order | 2 | 2 |
| Northing(Y) | | | Elevation | 108.709 | 107.767 |
| Easting(X) | | | Measurement Unit | Feet | Feet |
| Class | | | | | |
| Order | | | | | |
| NAD83 Adj Year | | | | | |

Field Book

Field Book Pages

Stamping
R 627 2005

How to Reach

Description

***** RECOVERY NOTE *****

1/2/08 MILLER WOOLPERT NO FIELD BOOK R627 2005 EL. 107.767 NAVD 1988
EL. 108.709 NGVD 1929 (21-MAY-08 HJE)

THE FLDEP PRELIMINARY DATA
WINDOWS ABSTRA VERSION 1.2 -- OCT. 2001 TUE SEP 06 10:49:04 2005

-*- FIELD ABSTRACT -*-

940601-940830 HGZ L26791 4.0 MM ORDER 1 CLASS 2 PAGE 1
LEVELING ALONG VARIOUS STATE AND COUNTY ROADS AROUND DISNEY WORLD,
ORANGE AND OSCEOLA COUNTIES, FLORIDA AREA. TIE TO L26723.
STARTING ELEVATION BASED ON NAVD 88 HEIGHTS.
NOTE COLLIMATION STORED IN ELECTRONIC INSTRUMENT.
NOTE LATITUDE AND LONGITUDE WAS SCALED FROM TOPOGRAPHIC MAP.

FROM START F/B DIST ELEV DIFF -(F+B) MEAN DIFF I
TO TOTAL TOTAL FLD ELEV

C
(KM) (MT) (MM)
(MT)

0014 Q 627 6051254 F 1.54 -4.94272 R* 1.50 -5.01514 1

0015 R 627 6141050 B 1.66 5.16158 R* 1
 6141400 B 1.56 5.01439 * 1
 6150735 F 1.57 -5.01588 * 1
 14.32 -5.02 32.84749

 WINDOWS ABSTRA VERSION 1.2 -- OCT. 2001 TUE SEP 06 10:50:20 2005

-*- FIELD ABSTRACT *-*

940601-940830 HGZ L26791 4.0 MM ORDER 1 CLASS 2 PAGE 1
 LEVELING ALONG VARIOUS STATE AND COUNTY ROADS AROUND DISNEY WORLD,
 ORANGE AND OSCEOLA COUNTIES, FLORIDA AREA. TIE TO L26723.
 STARTING ELEVATION BASED ON NGVD 29 HEIGHTS.
 NOTE COLLIMATION STORED IN ELECTRONIC INSTRUMENT.
 NOTE LATITUDE AND LONGITUDE WAS SCALED FROM TOPOGRAPHIC MAP.

FROM START F/B DIST ELEV DIFF -(F+B) MEAN DIFF I
 TO TOTAL TOTAL FLD ELEV

C
 (KM) (MT) (MM)
 (MT)

 0014 Q 627 6051254 F 1.54 -4.94272 R* 1.50 -5.01514 1
 0015 R 627 6141050 B 1.66 5.16158 R* 1
 6141400 B 1.56 5.01439 *
 1
 6150735 F 1.57 -5.01588 *
 1
 14.32 -5.02
 33.13449

==== DESCRIPTION HEADER RECORD =====

KEYED-IN ORDER:0014 SSN:0015 CONDITION:S PID:
 DESIGNATION:R 627
 ALIAS:
 QUADNAME:WINDERMERE
 COUNTRY:US STATE:FL COUNTY:ORANGE 095

 MONUMENT:F SETTING:49 SPECIFIC:
 MAGNETISM:M STABILITY:B SATELLITE:Y APPLICATIONS:
 FPR:R 3 IN ROD/PIPE:16.4 FT SLEEVE:
 STAMPING:R 627 2005
 ESTAB BY:FLDEP SETTING DATE:20050505
 LOGO:NGS
 REPORT BY: REPORT DATE:
 TRANSPORT:P PACK TIME:00:00 COP:JLM

==== POSITION RECORDS =====

POSITION POSITION POSITION ADJUSTMENT
 DATUM EPOCH LATITUDE LONGITUDE SOURCE ORDER TECHNIQUE DATE

 27 N282808 W0813228 S 5

==== DESCRIPTIVE TEXT RECORD =====

TEXT STATUS:
 THE MARK IS ABOUT 5.3 MI SOUTH OF GOTHA, 2.0 MI SOUTH OF WINDERMERE, IN SECTION 20, TOWNSHIP
 23 SOUTH, RANGE 28 EAST.

TO REACH THE MARK FROM THE JUNCTION OF 6TH AVENUE (COUNTY ROAD 439, CONROY WINDERMERE ROAD)
 AND MAIN STREET (COUNTY ROAD 439 NORTH) IN WINDERMERE, GO SOUTHEAST ON MAIN STREET FOR 0.55
 MI TO THE JUNCTION OF 12TH STREET ON THE LEFT AND CHASE ROAD ON THE RIGHT, TURN RIGHT ON CHASE
 ROAD AND GO SOUTHWEST FOR 1.75 MI TO THE MARK ON THE LEFT, A STAINLESS STEEL ROD DRIVEN TO
 REFUSAL AT A DEPTH OF 16.4 FT WITH A NGS LOGO CAP RECESSED 0.3 FT BELOW THE LEVEL OF THE GROUND
 AND ABOUT 1.0 FT BELOW THE LEVEL OF CHASE ROAD, THE DATUM POINT IS RECESSED 0.3 FT BELOW THE
 LEVEL OF THE NGS LOGO CAP.

LOCATED 90.0 FT SOUTH OF A OVERHEAD POWERLINE, 48.0 FT SOUTH OF THE APPROXIMATE CENTERLINE
 OF A DRIVEWAY AT 11101,11124, 32.0 FT EAST OF THE CENTERLINE OF CHASE ROAD, 11.0 FT NORTHWEST
 OF SPRINT CABLE BOX NUMBER 11261, 10.4 FT WEST OF THE WEST THE WEST EDGE OF A SIDEWALK, 1.0

FT EAST OF A RIGHT-OF-WAY MARKER AND 0.8 FT EAST OF A CARSONITE WITNESS POST.

NOTE A MAGNET WAS PLACED INSIDE OF THE NGS LOGO CAP.

NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH NGS LOGO CAP.

DISCLAIMER:

The South Florida Water Management District (hereinafter referred to as the DISTRICT) shall not be held liable for improper or incorrect use of the data, information, apparatus, products, processes or materials described and/or contained herein. These data, information, apparatus, products, processes, materials and related graphics are not legal documents and are not intended to be used as such. The user hereby recognizes that the information, data, apparatus, products, processes and materials are dynamic and may change over time without notice. However, the DISTRICT makes no commitment to update the information, data, apparatus, products, processes or materials contained herein.

Office

Project

23 June 2014

INPUT

Geographic, NAD83
Vertical - NAVD88, U.S. Feet

OUTPUT

Geographic, NAD83
Vertical - NGVD29 (Custom), U.S. Feet

orf61

1/1

Latitude: 28 28 09
Longitude: 081 32 28
Elevation/Z: 0

Latitude: 28.469166667
Longitude: 81.541111111
Elevation/Z: 0.879

Remark:

REGISTRATION WORKSHEET - ORF61 Addendum

Site Name: **ORF61** Today's Date: **11/3/2014** Type Recorder: **CR10**
 Activity: **Addendum** Effective Date: **11/3/2014** Start Date of Data :
 Customer: **Garnett Ritchie** Bus. Area: **SCADA Maintenance** Agency: **SFWMD** Internal Order:
 Project Manager: **Jim Vincent** Bus. Area: **SCADA Maintenance** Agency: **SFWMD** Fund:
 Project Name: **VDUP** Legal Mandate: **1972 FL WTR RES ACT** Contract #:

Short Common Name / Description: ORF61

Proj. Mgr. Notes: Sensors calibration using NAVD88 datum to convert to NGVD 29 add + 0.879

Site Directions: From the FOC drive north on Florida's turnpike to the Osceola Parkway north of Kissimmee. Drive west on the Osceola Parkway for approximately 11.5 miles to CR-535. Drive north on CR-535 for approximately 3.5 miles then turn left and continue driving north on CR-535 for approximately 7.6 miles to Chase Rd. Turn right on to Chase Rd. and follow it around to R. D. Keene Park; turn right into the park and drive to the second parking area on your left. The site is just north of the parking area.

Site Address (if any):

Transportation: **4X4 Vehicle** Lock type or combination: **Abloy S** #
 Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type:

Array ID Configuration table attached **NO**

SURVEY INFORMATION

B.M. Elevation: **107.767** Date: **1/1/2005** Stamp: **R627 2005**
 Agency: **DEP** Type: **IROD** Datum: **NAVD 88**

Benchmark Location/ Description: To reach the stainless steel rod driven to refusal with a NGS logo cap, from the junction of 6th Ave. (Count RD 439, Conroy Windermere Rd) and Main St (CR 439 N) in Windermere, go SE on Main St for 0.55 mi to the junction of 12th St on the left and Chase Rd on the right, turn right on Chase Rd and go SW for 1.75 mi to the mark on left. The mark is located 90 ft south of an overhead power line, 48 ft south of hte approximate centerline of a driveway, 32 ft east of Chase Rd centerline, 11 ft NW of Sprint cable box number 11261, 10.4 ft west of the west edge of sidewalk.

COMMUNICATIONS INFORMATION

Communications System: **Loggernet** Loggernet Server: **STCLOG1** Loggernet IP Address: **141.232.83.94**
 Tower: **STCLDT** Communication Type: **R.F. (V.H.F. Radio)** R.F. Code/Modem Address: **75** R.F. Access Point: **NO**
 Phone Number:
 RTU Address: Gateways:

WELL INFORMATION

| Sensor | Customer Ref | Ref Elev | Elev Date | Top of Well | Bottom of Well | Ground Elev | Benchmark Elev | Benchmark Datum | Ref Elevation Location |
|--------|--------------|----------|-----------|-------------|----------------|-------------|----------------|-----------------|--------------------------|
| GW1 | | 107.521 | 8/25/2014 | | | | 107.767 | NAVD 88 | Top of the well |
| GW2 | | 107.611 | 8/25/2014 | | | | 107.767 | NAVD 88 | Top of the stilling well |
| GW3 | | 107.61 | 8/25/2014 | | | | 107.767 | NAVD 88 | top of the stilling well |

| Sensor | GW Sensor Location Offset | Meas Pt Elevation | GW Land Elevation | Depth of Well | Type of Well | Top of Monitored Interval | Base of Monitored Interval | Parameter Transmitted |
|--------|---------------------------|-------------------|-------------------|---------------|--------------|---------------------------|----------------------------|-----------------------|
| GW1 | | | | | | | | |
| GW2 | | | | | | | | |
| GW3 | | | | | | | | |

COORDINATE INFORMATION

| Item/Parm | Lat | Long | X-Coord | Y-Coord | Sec | Township | Range | Quad | Basin | County | Description |
|-----------|-----------------|----------------|-----------|---------|-----|----------|-------|------|-------------------|--------|-------------|
| GW1 | N28° 28' 18.37" | W81° 32' 05.8" | 4843000.2 | 1504606 | 20 | 23 | 28 | 3613 | Upper Reedy Creek | Orange | |
| GW2 | N28° 28' 18.37" | W81° 32' 05.8" | 4843000.2 | 1504606 | 20 | 23 | 28 | 3613 | Upper Reedy Creek | Orange | |
| GW3 | N28° 28' 18.37" | W81° 32' 05.8" | 4843000.2 | 1504606 | 20 | 23 | 28 | 3613 | Upper Reedy Creek | Orange | |
| RTU | N28° 28' 18.37" | W81° 32' 05.8" | 4843000.2 | 1504606 | 20 | 23 | 28 | 3613 | Upper Reedy Creek | Orange | |

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,   Retrieval Date = NOVEMBER  2, 2015
DI9116 *****
DI9116 DESIGNATION - R 627
DI9116 PID - DI9116
DI9116 STATE/COUNTY- FL/ORANGE
DI9116 COUNTRY - US
DI9116 USGS QUAD - WINDERMERE (1980)
DI9116
DI9116 *CURRENT SURVEY CONTROL
DI9116
DI9116* NAD 83(1986) POSITION- 28 28 09. (N) 081 32 27. (W) SCALED
DI9116* NAVD 88 ORTHO HEIGHT - 32.842 (meters) 107.75 (feet) ADJUSTED
DI9116
DI9116 GEOID HEIGHT - -27.544 (meters) GEOID12B
DI9116 DYNAMIC HEIGHT - 32.794 (meters) 107.59 (feet) COMP
DI9116 MODELED GRAVITY - 979,193.0 (mgal) NAVD 88
DI9116
DI9116 VERT ORDER - FIRST CLASS II
DI9116
DI9116.The horizontal coordinates were scaled from a topographic map and have
DI9116.an estimated accuracy of +/- 6 seconds.
DI9116.
DI9116.The orthometric height was determined by differential leveling and
DI9116.adjusted by the NATIONAL GEODETIC SURVEY
DI9116.in April 2010.
DI9116
DI9116.Significant digits in the geoid height do not necessarily reflect accuracy.
DI9116.GEOID12B height accuracy estimate available here.
DI9116
DI9116.Photographs are available for this station.
DI9116
DI9116.The dynamic height is computed by dividing the NAVD 88
DI9116.geopotential number by the normal gravity value computed on the
DI9116.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DI9116.degrees latitude (g = 980.6199 gals.).
DI9116
DI9116.The modeled gravity was interpolated from observed gravity values.
DI9116
DI9116; North East Units Estimated Accuracy
DI9116;SPC FL E - 458,320. 147,040. MT (+/- 180 meters Scaled)
DI9116
DI9116 SUPERSEDED SURVEY CONTROL
DI9116
DI9116.No superseded survey control is available for this station.
DI9116
DI9116_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM470492(NAD 83)
DI9116
DI9116_MARKER: F = FLANGE-ENCASED ROD
DI9116_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)
DI9116_STAMPING: R 627 2005
DI9116_MARK LOGO: NGS
DI9116_PROJECTION: RECESSED 8 CENTIMETERS
DI9116_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
DI9116_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
DI9116_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DI9116+SATELLITE: SATELLITE OBSERVATIONS - May 05, 2005

```

DATASHEETS

DI9116 ROD/PIPE-DEPTH: 5.0 meters

DI9116

DI9116 HISTORY - Date Condition Report By

DI9116 HISTORY - 20050505 MONUMENTED FLDEP

DI9116

DI9116

STATION DESCRIPTION

DI9116

DI9116'DESCRIBED BY FL DEPT OF ENV PRO 2005

DI9116'THE MARK IS ABOUT 5.3 MI (8.5 KM) SOUTH OF GOTHA, 2.0 MI (3.2 KM)

DI9116'SOUTH OF WINDERMERE, IN SECTION 20, TOWNSHIP 23 SOUTH, RANGE 28 EAST.

DI9116'

DI9116'TO REACH THE MARK FROM THE JUNCTION OF SIXTH AVENUE (COUNTY ROAD 439,

DI9116'CONROY WINDERMERE ROAD) AND MAIN STREET (COUNTY ROAD 439 NORTH) IN

DI9116'WINDERMERE, GO SOUTHEAST ON MAIN STREET FOR 0.55 MI (0.9 KM) TO THE

DI9116'JUNCTION OF 12TH STREET ON THE LEFT AND CHASE ROAD ON THE RIGHT, TURN

DI9116'RIGHT ON CHASE ROAD AND GO SOUTHWEST FOR 1.75 MI (2.8 KM) TO THE MARK

DI9116'ON THE LEFT, A STAINLESS STEEL ROD DRIVEN TO REFUSAL AT A DEPTH OF

DI9116'16.4 FT (5.0 M) WITH A NGS LOGO CAP RECESSED 0.3 FT (0.1 M) BELOW THE

DI9116'LEVEL OF THE GROUND AND ABOUT 1.0 FT (0.3 M) BELOW THE LEVEL OF CHASE

DI9116'ROAD, THE DATUM POINT IS RECESSED 0.3 FT (0.1 M) BELOW THE LEVEL OF

DI9116'THE NGS LOGO CAP.

DI9116'

DI9116'LOCATED 90.0 FT (27.4 M) SOUTH OF A OVERHEAD POWER LINE, 48.0 FT (14.6

DI9116'M) SOUTH OF THE APPROXIMATE CENTERLINE OF A DRIVEWAY AT 11101, 11124,

DI9116'32.0 FT (9.8 M) EAST OF THE CENTERLINE OF CHASE ROAD, 11.0 FT (3.4 M)

DI9116'NORTHWEST OF SPRINT CABLE BOX NUMBER 11261, 10.4 FT (3.2 M) WEST OF

DI9116'THE WEST THE WEST EDGE OF A SIDEWALK, 1.0 FT (0.3 M) EAST OF A

DI9116'RIGHT-OF-WAY MARKER AND 0.8 FT (0.2 M) EAST OF A CARSONITE WITNESS

DI9116'POST.

DI9116'

DI9116'NOTE A MAGNET WAS PLACED INSIDE OF THE NGS LOGO CAP.

DI9116'

DI9116'NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH (13 CM) NGS

DI9116'LOGO CAP.

*** retrieval complete.

Elapsed Time = 00:00:02

