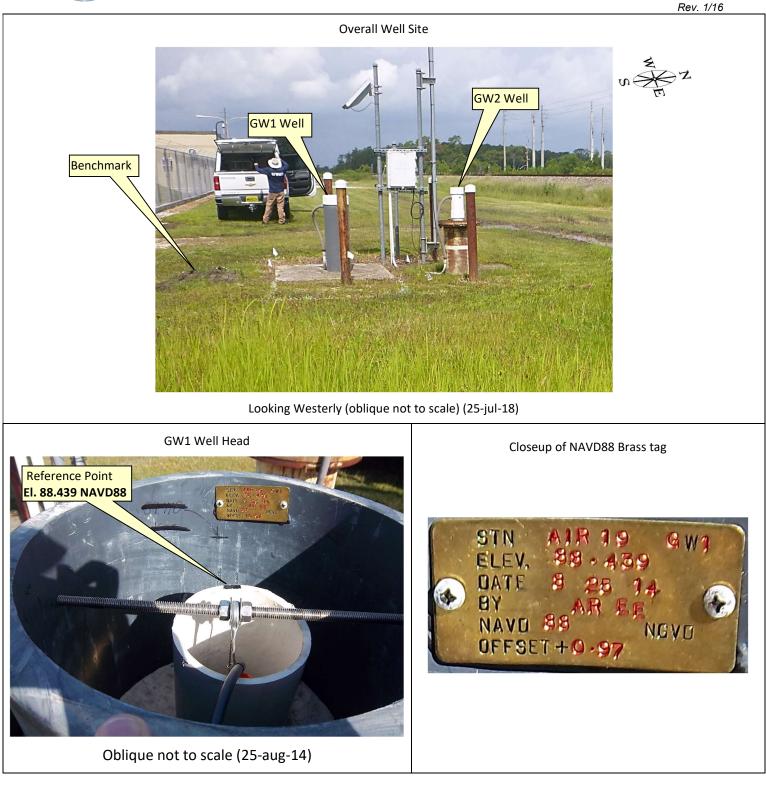


SOUTH FLORIDA WATER MANAGEMENT DISTRICT

								Rev.	1/16
USGS Station Name: Not Applicable		ADA RTU Station Name t Applicable	e:		DB Hydro Stat AIR19W1 AIR19W2	ion Name:		DB Hydro Site Name: AIR19	
Party Chief: RODRIGUEZ/EBANKS	Fie	ld Book: NONE	Page	Date	te of Field Work: 25-aug-14			oared by: H. Ehmke	20-jul-20
		Ē	BENCHM	IARK DA	TA				
Site Benchmark: Site Benchma	rk Fl	NGS Source Bench	mark	NGS So	ource Benchm	ark El.:		Corpscon 6.0.1 Conve	rsion Factor
AIR19 83.872 NAVD		N122 (AK1791)	iiiidi K.		(27.706m) N			NAVD88 to NGVD29)	
	00				(27.991m) N	GVD29	+0.935	- Historical Conversion	Factor
			SITE SPEC	CIFIC DA	ТА			T	
W1 Reference Elevations:		W2 Reference Elevations:			g Brass Tag Ele	evation (D	atum).	Calibration Port E	levation(s)
88.439 NAVD88 (Survey)		89.079 NAV D88 (Survey)					acanij.	(<i>NAVD88</i>): Not A	. ,
89.41 NGVD29 (Corpscon)		.05 NGVD29 (Corps	-	GW2 -					
89.374 NGVD29 (Historical)		.014 NGVD29 (Histo	-						
Ground Elevation (NAVD88): Not	Taken	_			(NAVD88): No	t Applicab	le		
			EOOGR/	APHIC DA					
Section 18		Township 24 South				Range 30			
Well		de: 28°24'11.89"	-		1°21'13.43"			oint Google Earth	
Notes:	State	Plane Coordinates	Northi	ing (Y) =		Easting	(X) =		
NGS – National Geodetic Survey NGVD29- National Geodetic Vertical Datu Corpscon 6.0.1 - A U.S. Army Corps of En- program to convert coor South Atlantic Division, Historical Conversion Factor – The differe- the time c	gineers Er dinates a lacksonvi ence betw	ngineering Research and I nd elevations between da Ile FI. reen the NAVD88 value d	atum's usi lerived fro	ng vertcor	05.txt and vertco	n05.05 files s	upplied b	y the U.S. Army Corps of	
			PICI						
		tan tan an	Aerial O		e	and so the			



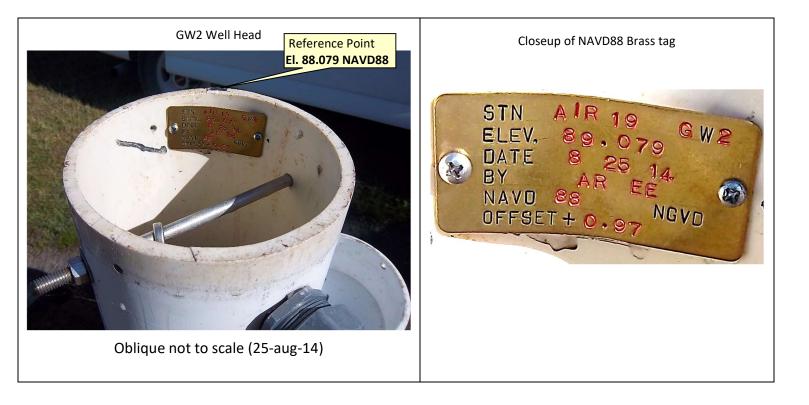
SOUTH FLORIDA WATER MANAGEMENT DISTRICT





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16



Site Information

8	Site	AIR19
	Common Name	GROUNDWATER MONITORING SITE NEAR OUC SUBSTATION 19
	Location	SITE IS ON ORLANDO UTILITY COMMISSION PROPERTY AND REQUIRES ADVANCE NOTICE.
	Site Notes	null
	Contact	BRIAN SEDOCK, ESDA

Station Information for Site AIR19

Station	Description	Latitude	Longitude	Xcoord	Ycoord	County	Basin	Section	Town	Range
	AIR 19 GW SITE (SHALLOW WELL) NR ORLANDO UTILITY COMMISSION SUBSTATION 19		812113.6	542434.662	1479493.449		BOGGY CR	18	24	30
	AIR 19 GW SITE (DEEP WELL) NR ORLANDO UTILITY COMMISSION SUBSTATION 19		812113.6	542434.662	1479493.449	ORA	BOGGY CR	18	24	30

* Verify Elevation & GWJ & GWZ in NAVD 88 *

Site	e Name		Sen	sor		
	AIR19	GW2				
Latitude 28° 24' 11.94"	Longitude 81° 21' 13.49"		Northing 1479504	Easting 542443		
Section	Township	Range	County	Quad		
18	24	30	Orange	Pine Castle		
Benchmark Informati Name AIR19	ion: Existing / Set Existing		NAVD88 83.872	NGVD29 84.802	0,9	
Reference Point Info Stamped Elevation (90.05 Note: Reference mark	NGVD29) St	amped Dat 9-27-07	te	By Firm Woolpert, Inc.		
Staff Gauge Informat Water Elevation (NGVD29) NA	ion: Gauge Reading NA	т	ime of Reading NA	Date of Reading NA		

To Reach Description:

(as described) FL Turnpike to Orlando and exit to US-17, 92 north, take US 17, 92 North, 1.25 miles to Sand Lake RD, take Sand Lake RD east 2.25 miles to CR 527, turn right (south) and take CR-527 south 3.5 miles til it turns into Weatherbee RD and cross the RR tracks, wait for OUC personnel, you will need an escort to the site. Call 407-649-4404.

Sensor Well Area:



Sensor Well:



Tag Close-up:



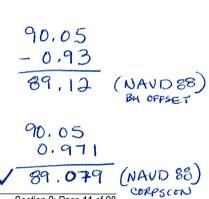
Bench Mark:





Bench Mark:





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3

Woolpert, Inc. December, 2007

Vertical Control Survey Report SFWMD, Contract # CN60744/3600000504

Site	e Name		Sens	or		
Α	JR19	GW1				
Latitude	Longitu		Northing	Easting		
28° 24' 11.94"	81° 21' 13	.49"	1479504	542443		
Section	Township	Range	County	Quad		
18	24	30	Orange	Pine Castle		
Benchmark Informati	••••					
Name	Existing /		NAVD88	NGVD29	Sec. Law	
AIR19	Existing	g	83.872	84.802	0.98	
Reference Point Infor						
Stamped Elevation (NGVD29)	Stamped Date	9	By Firm		
89.41		9-27-07		Woolpert, Inc.		
Note: Reference mark	is existing line withi	n PVC pipe.				
Staff Gauge Informat Water Elevation	ion:					
(NGVD29)	Gauge Rea	ding Ti	me of Reading	Date of Reading		
NA	NA		NA	NA		

To Reach Description:

(as described) FL Turnpike to Orlando and exit to US-17, 92 north, take US 17, 92 North, 1.25 miles to Sand Lake RD, take Sand Lake RD east 2.25 miles to CR 527, turn right (south) and take CR-527 south 3.5 miles til it turns into Weatherbee RD and cross the RR tracks, wait for OUC personnel, you will need an escort to the site. Call 407-649-4404.

Sensor Well Area:



Sensor Well:



Tag Close-up:

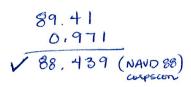


Bench Mark:



Bench Mark:





Woolpert, Inc. December, 2007 Vertical Control Survey Report SFWMD, Contract # CN60744/3600000504 Section 2: Page 10 of 98



Survey Data Entry and Retrieval Application (SDERA) Print Output

Control Point	Search Result	8	Deriv	ed Data - Denoted By	/:	
Designation NGS PID	AIR19		Recor	rd State	ACCEPTED	
Project Name	AIR19	WELL SITE	Date 1	Entered/Updated	06/27/2009	
Updated By	ATLA	S DATA LOAD	Status	•		
Party Chief			Туре		v	
Monument Set By	KEITI	I & SCHNARS PA		Established	01/01/2006	
County	ORAN	GE	Sectio	n	18	
Township	24		Range	9	30	
Quadrangle	PINE (CASTLE	•	(29 to 88)		
NGS Source BM			CCR	, ,		
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 24 11.8	Class			
Longitude		81 21 13.6	Order	3	3	
Northing(Y)		1479491.0	Elevation	84.802	83.872	
Easting(X)		542432.0	Measurement Uni	t Feet	Feet	0,93
Class						

Order NAD83 Adj Year

Field Book

1165

Field Book Pages

11-25

Stamping AIR 19-G / 2006

How to Reach

Description

FROM INTERSTATE 4 AND STATE ROAD 417 (CENTRAL FLORIDA GREENEWAY) TRAVEL NORTH ALONG STATE ROAD 417 (CENTRAL FLORIDA GREENEWAY) 12.5 MILES +- TO LANDSTAR BLVD; THEN TRAVEL NORTH ALONG LANDSTAR BLVD. 2.0 MILES TO WERE LANDSTAR BLVD. DEAD ENDS INTO WETHERBEE ROAD; TAKE A LEFT ON WETHERBEE RD. AND HEAD NORTH FOR A DISTANCE OF 0.7 MILES TO A RAIL ROAD CROSSING; ON THE SOUTH SIDE OF THE RAIL ROAD TRACK AND THE EAST SIDE OF WERHERBEE RD. THERE IS A ACCESS ROAD LEADING TO A

http://www.sfwmd.gov/sderawebapp/cpsearchresultentryprintaction.do?Id=958

6/23/2014

Corpson = +0,971

Office

Project

23 June 2014

OUTPUT

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

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

air19

Latitude: 28 24 11.94 Longitude: 081 21 13.49 Elevation/Z: 0 1/1 Latitude: 28.403316667 Longitude: 81.353747222 Elevation/Z: 0.971

0.971 0.93 0.041

Site Information

Site	AIR19
Common Name	GROUNDWATER MONITORING SITE NEAR OUC SUBSTATION 19
Location	SITE IS ON ORLANDO UTILITY COMMISSION PROPERTY AND REQUIRES ADVANCE NOTICE.
Site Notes	null
Contact	BRIAN SEDOCK, ESDA

Station Information for Site AIR19

Station	Description	Latitude	Longitude	Xcoord	Ycoord	County	Basin	Section	Town	Range
AIR19W1	AIR 19 GW SITE (SHALLOW WELL) NR ORLANDO UTILITY COMMISSION SUBSTATION 19		812113.6	542434.662	1479493.449	ORA	BOGGY CR	18	24	30
AIR19W2	AIR 19 GW SITE (DEEP WELL) NR ORLANDO UTILITY COMMISSION SUBSTATION 19		812113.6	542434.662	1479493.449	ORA	BOGGY CR	18	24	30

			RF	GIS	FRA '	LION	WORK	SHEE	Γ - AIR1	9 Add	endum				
Site Name:		AIR19			Тос	lay's Date:	11/3/2014					Ту	pe Recorder: <mark>(</mark>	C R-10	
Activity:		Addendum	1		Effec	ctive Date:	11/3/2014					Start E	Date of Data :		
Customer:		Garnett Ri	itchie			Bus. Area:	SCADA M	aintenance	Agency:	SFWMD		In	ternal Order: Fund:		
Project Manage	er:	Jim Vince	nt			Bus. Area:	SCADA M	aintenance	Agency:	SFWMD	Co	ontract #:			
Project Name:		VDUP						1	Legal Mandate:						
Short Common	n Name / E	Description:													
Proj. Mgr. Not	es:		Sensors ca	alibrated	using NA	VD88 datu	m to convert	to NGVD 29	add + 0.971						
Site Directions	:		Weatherbo	ee Rd. Th	ere is an a	access Rd l		ubstation; Tak			; on the south side e of 1.4 miles to a s				
Site Address (i	f any):														
Transportation	:	4X4 Vehic	le				Lock type or	combination:		Abloy	s	#			
Recorder Locat	tion/Purpo	ose:	Stand-Alon	e Recorde	er (Non-Flo	w Site)			Structure Type:	Existin	g Structure				
Array ID Confi	iguration t	able attached	d	NO											
SURVEY	Y INFORM	ATION													
B.M. I	Elevation:	83.872					Date:	8/26/2006				Stamp:	Air 19-G/20	06	
	Agency:	SFWMD					Type:	BRASS				Datum:	NAV	'D 88	
Benchmark Loo	cation/ De	escription							niles to a rail roa te the Access Rd	-	; on the south side e of 1	of the rai	il road track an	d the east side	e of
COMMUNICA	TIONS IN	FORMATIO	NT												
		ons System:				Loga	ernet Server:			Lo	ggernet IP Addres	e •			
Tower:	mmumeau	-	ommunicati	on Type:		Logg	ernet server.	P	.F. Code/Moden		ggemet if Addres		Access Point:		
	e Number:		mmunicati	on rype.				K.	.P. Code/Woden	i Address.		K.I [*] . 7	Access I onit.		
	Address:		G	ateways:											
	INFORMA	TION													
Sensor R	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Lo	ocation					
GW1 GW2		88.439 89.079	8/25/2014 8/25/2014					NAVD 88 NAVD 88	Top of well Top of well						

			Meas Pt									
	GW Land	Depth of	Above	Type of								
Sensor	Elevation	Well	вм	Well	GW Sens	or location	1					
GW1												
GW2												

ADDITIONAL GPS INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	28 24 11.94	81 21 13.49			18	24	30	Pine Castle		Orange	
GW2	28 24 11.94	81 21 13.49			18	24	30	Pine Castle		Orange	

Office									
Projec									
20 July 2020									
INPUT	OUTPUT								
State Plane, flhpgn - Florida HPGN 0901 - Florida East, U.S. Feet Vertical - NAVD88, U.S. Feet	Geographic, flhpgn - Florida HPGN Vertical - NGVD29 (Custom), U.S. Feet								
	R19								
Northing/Y: 1479491	Latitude: 28 24 11.80501								
Easting/X: 542432	Longitude: 81 21 13.61768								
Elevation/Z: 0	Elevation/Z: 0.971								
Convergence: -0 10 05.83357									
Scale Factor: 0.999956003									
Combined Factor: 0.999960372									
Remark:									
Corpscon v6.0.1, U.S. Arn	ny Corps of Engineers								