



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

USGS Station Name: <b>Not applicable</b>		SCADA RTU Station Name: <b>Not Applicable</b>		DB Hydro Station Name: <b>TURLAK_GW1</b> <b>TURLAK_GW2</b>		DB Hydro Site Name: <b>TURLAK</b> <b>TURLAK</b>		Agency: <b>WMD</b>	
Party Chief: <b>RODRIGUEZ/EBANKS</b>		Field Book: <b>NONE</b>		Page	Date of Field Work: <b>25-aug-14</b>		Prepared by: <b>H. Ehmke 24-jul-20</b>		
<b>BENCHMARK DATA</b>									
Site Benchmark: <b>TURLAK</b>		Site Benchmark El.: <b>123.39 NAVD88</b> <b>124.28 NGVD29</b>		NGS Source Benchmark: <b>GOTHA RESET (AK6868)</b>		NGS Source Benchmark El.: <b>136.561 (41.624m) NAVD88</b>		+0.889 Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29)	
								+0.89 - Historical Conversion Factor	
<b>SITE SPECIFIC DATA</b>									
GW1 Reference El.: <b>126.241 NAVD88 (Survey)</b> <b>127.13 NGVD29 (Corpscon)</b> <b>127.13 NGVD29 (Historical)</b>		GW2 Reference El.: <b>126.171 NAVD88 (Survey)</b> <b>127.06 NGVD29 (Corpscon)</b> <b>127.06 NGVD29 (Historical)</b>		Existing Brass Tag Elevation (Datum): NGVD29 GW1 – <b>127.13 (8-24-11 EE MH)</b> GW2 – <b>127.06 (8-24-11 EE MH)</b>				Calibration Port Elevation(s) (NAVD88): <b>Not Applicable</b>	
Ground Elevation (NAVD88): <b>Not Taken</b>					Pad Elevation (NAVD88): <b>Not Applicable</b>				
<b>GEOGRAPHIC DATA</b>									
Section <b>11</b>			Township <b>23</b> South				Range <b>28</b> East		
Well		Latitude: <b>28°30'03.1"</b>		Longitude: <b>81°28'36.18"</b>		Source: <b>DBHYDRO – TURLAK_GW1</b>			
		State Plane Coordinates		Northing (Y) =		Easting (X) =			
Notes: <b>NAVD88</b> – North American Vertical Datum of 1988 <b>NGS</b> – National Geodetic Survey <b>NGVD29</b> - National Geodetic Vertical Datum of 1929 <b>Corpscon 6.0.1</b> - 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. <b>Historical Conversion Factor</b> – The difference between the NAVD88 value derived from the National Geodetic Survey Source benchmark and the value used at the time of the survey.									
<b>PICTURES</b>									
Aerial Overall Site									
Not to Scale Google Earth Product									



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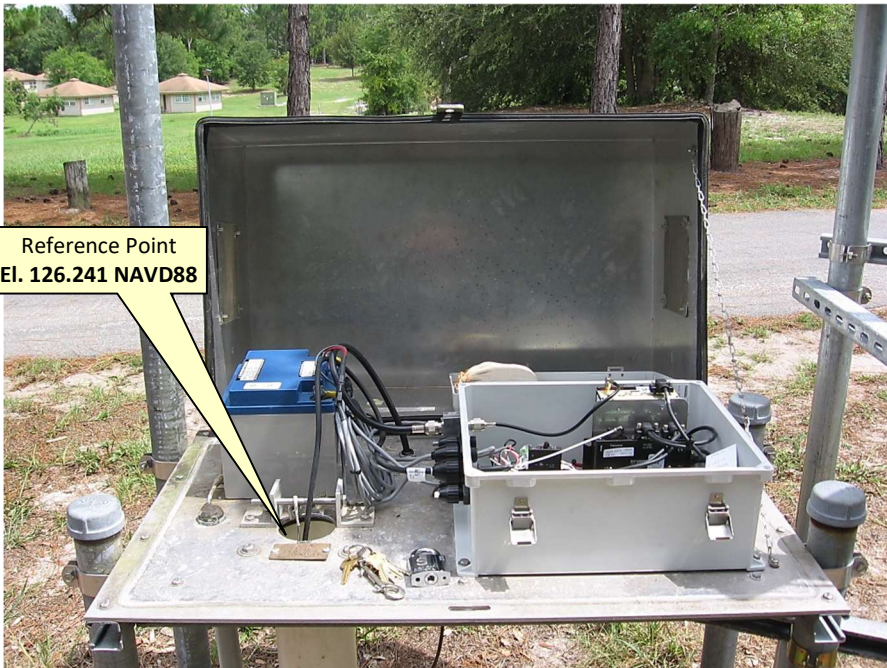
## Overall Well Site



Looking Southeasterly (oblique not to scale) (29-aug-11)

## GW1 WELL DATA

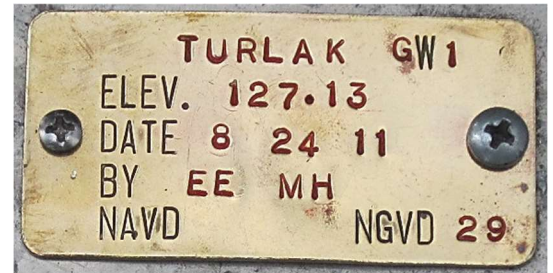
### GW1 Well Head



Reference Point  
El. 126.241 NAVD88

Oblique not to scale (29-aug-11)

### Old NGVD29 Brass Tag Close-up (removed)



TURLAK GW1  
ELEV. 127.13  
DATE 8 24 11  
BY EE MH  
NAVD NGVD 29

### New NAVD88 Brass Tag Close-up (added)



STN TURLAK GW1  
ELEV. 126.241  
DATE 8 25 14  
BY AR EE  
NAVD 88 NGVD  
OFFSET + 0.89



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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GW2 Well Head



Oblique not to scale (Aug 2020)

Old NGVD29 Brass Tag Close-up (removed)



New NAVD88 Brass Tag Close-up (added)



**Site Information**

Site	TURLAK
Common Name	TURKEY LAKE CITY PARK GROUNDWATER MONITORING SITE
Location	TURKEY LAKE PARK, ORLANDO
Site Notes	STAND ALONE RECORDER NON-FLOW SITE
Contact	BRIAN SEDOCK, ESDA

**Station Information for Site TURLAK**

Station	Description	Latitude	Longitude	Xcoord	Ycoord	County	Basin	Section	Town	Range
TURLAK_G	GROUNDWATER MONITORING SITE NEAR TURKEY LAKE CITY PARK	283002.913	812835.96	503070.682	1515087.924	ORA	SHINGLE	11	23	28

## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Survey Data Entry  
and Retrieval Application

## Survey Data Entry and Retrieval Application (SDERA) Print Output

## Control Point Search Results

Derived Data - Denoted By:

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Designation	TURLAK	Record State	ACCEPTED
NGS PID			
Project Name	TURKEY LAKE	Date Entered/Updated	08/29/2011
Updated By	mhoran	Status	RECOVERED
Party Chief		Type	H/V
Monument Set By	WOOLPERT INC	Date Established	01/22/2008
County	ORANGE COUNTY	Section	11
Township	23	Range	28
Quadrangle	ORLANDO WEST	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 30 02.9	Class		I
Longitude		81 28 36.0	Order	3	2
Northing(Y)		1515086.0	Elevation	124.28	123.39
Easting(X)		503067.0	Measurement Unit	Feet	Feet
Class					
Order					0.89
NAD83 Adj Year					

Field Book  
WO104

Field Book Pages  
36

Stamping  
TURLAK 2008

## How to Reach

FROM THE INTERSECTION OF SR435 AND SR 526 IN ORLANDO, FL; TRAVEL SOUTH ON SR 435 FOR 0.70 MILES TO RALEIGH ST; TURN RIGHT (WEST) ONTO RALEIGH ST AND TRAVEL FOR 0.80 MILES TO SOUTH HIA WASSEE RD.; TURN LEFT (SOUTH) ONTO SOUTH HIA WASSEE RD AND GO 1.86 MILES TO TURKEY LAKE PARK ON THE WEST SIDE OF THE RD. (ASHLEY PARK COURT ON THE EAST SIDE); TURN LEFT (WEST) INTO TURKEY LAKE PARK AND FOLLOW ENTRANCE RD FOR ABOUT 0.60 MILES TO A PARKING AREA AND BUILDING; TURN RIGHT INTO PARKING AREA AND CONTINUE STRAIGHT TO THE ROAD ON THE SOUTHEAST SIDE OF PARKING LOT. BENCHMARK IS ON THE NORTH SIDE OF THE ROAD; 14.5 FEET FROM THE NORTH EDGE OF PVMT; 2.3 FEET

NW OF AN  
EXISTING TELEMETRY ANTENNA POLE; 1.85 FEET WEST OF CARSONITE MARKER AND 5.7 FEET  
WEST OF CRW1.

**Description**

SFWMD ALUMINUM DISK IN CONCRETE

**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.

Site Name	Sensor
<b>TURLAK</b>	<b>GW1</b>

<b>Latitude</b> 28° 30' 02.9"	<b>Longitude</b> 81° 28' 36.0"	<b>Northing</b> 1515086	<b>Easting</b> 503067
<b>Section</b> 11	<b>Township</b> 23	<b>Range</b> 28	<b>County</b> Orange
			<b>Quad</b> Lando West

**Benchmark Information:**

<b>Name</b> TURLAK 2008	<b>Existing / Set</b> Set	<b>NAVD88</b> 123.39	<b>NGVD29</b> 124.28	<i>0.89</i>
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**Reference Point Information:**

<b>Stamped Elevation (NGVD29)</b> 127.13	<b>Stamped Date</b> 1-22-08	<b>By Firm</b> Woolpert, Inc.
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Note: Reference point at edge of box as marked.

**Staff Gauge Information:**

<b>Water Elevation (NGVD29)</b> NA	<b>Gauge Reading</b> NA	<b>Time of Reading</b> NA	<b>Date of Reading</b> NA
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**To Reach Description:**

From the intersection of SR435 and SR526 in the town of Orlando, FL travel south on SR435 for 0.70 mile to Raleigh St. Turn right (west) onto Raleigh St. and travel for 0.80 mile to S. Hiawasse Rd. Turn left (south) onto S. Hiawasse Rd. and go 1.86 miles to the entrance to Turkey Lake Park on the west side of the road (also Ashley Park Ct. on the east side) Turn left (west) into Turkey Lake Park and follow entrance road for about 0.60 miles to parking area with building and turn right into parking area. Travel straight through parking area and take road exit on the southeast side of the parking lot and well is on the north side of the road 70'+/- from parking lot.

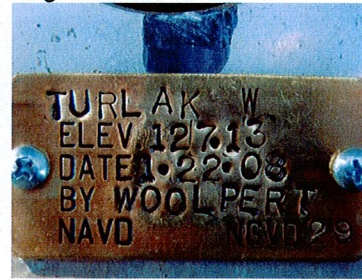
Sensor Well Area:



Sensor Well:



Tag Close:



Bench Mark:



Bench Mark:



$$\begin{array}{r}
 127.13 \\
 0.889 \\
 \hline
 \checkmark 126.241 \quad (\text{NAVD88}) \\
 \text{corpscom}
 \end{array}$$

*Corpscom offset = +0.889*

**Office**

**Project**

23 June 2014

**INPUT**

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

**OUTPUT**

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

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**turlak**

1/1

**Latitude:** 28 30 02.9  
**Longitude:** 081 28 36.0  
**Elevation/Z:** 0

**Latitude:** 28.500805556  
**Longitude:** 81.476666667  
**Elevation/Z:** 0.889

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**Remark:**



# REGISTRATION WORKSHEET - TURLAK Addendum

Site Name: **TURLAK** Today's Date: **8/26/2014** Type Recorder: **CR10**  
 Activity: **Addendum** Effective Date: Start Date of Data :  
 Customer: **Garnett Ritchie** Bus. Area: **SCADA** Agency: **SFWMD** Internal Order:  
 Fund:  
 Project Manager: **Amelia Rodriguez-Alers** Bus. Area: **InfraStr. Mgt./Survey** Agency: **SFWMD** Contract #:  
 Project Name: **VDUP** Legal Mandate:

Short Common Name / Description:

Proj. Mgr. Notes: Addendum Added to Update NAVD88 Surveying Data. To convert to NGVD 29 add + 0.89

Site Directions: Turkey Lake Park.. SR 435 and SR 526 in Orlando... see SCADA Folder for TURLAK...

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: **Abloy S** #

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type: **Existing Structure**

Array ID Configuration table attached

### SURVEY INFORMATION

B.M. Elevation: **123.39ft** Date: **6/6/2008** Stamp: **TURLAK 2008**  
 Agency: **SFWMD** Type: **ALUM** Datum: **NAVD 88**

Benchmark Location/ Description: At Well Site... Located 14.5ft North of EP.. 2.3ft NW of Antenna Pole.. 1.85ft west of Carsonite Marker and 5.7ft West of GW1... SFWMD Alum Cap set in Concrete....

### COMMUNICATIONS INFORMATION

Communications System: **Loggernet** Loggernet Server: **0** Loggernet IP Address:  
 Tower: **ACMET** Communication Type: R.F. Code/Modem Address: R.F. Access Point:  
 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		126.241ft	8/24/2011	126.241ft			123.39ft	NAVD 88	Mark Top of Well Head ... denoted by Brass Tag..
GW2		126.171ft	8/24/2011	126.171ft			123.39ft	NAVD 88	Mark Top of Well Head... Denoted by Brass Tag...

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															

### COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	28 30 02.9	81 28 36.0	503067	1515086	11	23	28	Orlando West		Orange	
GW2	28 30 03.00	81 28 36.1			11	23	28	Orlando West		Orange	