



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

SCADA RTU Station Name: <b>OSF64R GW</b> <b>OSF65 GW</b>	DB Hydro Station Name: <b>OSF-64R</b> <b>OSF-65</b>	DB Hydro Site Name: <b>OSF64R &amp; OSF65</b>	Agency: <b>S.F.W.M.D</b>	Date of Field Work: <b>2/6/2020</b>
Party Chief: <b>EBANKS</b>	Field Book: <b>SCADA FB# 13</b>	Page(s): <b>52 &amp; 53</b>	Prepared by: <b>E. Ebanks</b>	

### SITE SPECIFIC DATA

Site Benchmark(s): <b>OSF-64R</b>	Benchmark Elevation(s) (NAVD88) <b>60.60 feet</b>	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) <b>+1.14 feet</b>
Reference Elevation(s) (NAVD88): <b>OSF-64R (GW) = 63.56 feet</b> <b>OSF-65 (GW) = 62.11 feet</b>		Calibration Port Elevation(s) (NAVD88): <b>N/A</b>
Ground Elevation (NAVD88) <b>OSF-64R = 60.3', OSF-65 = 59.8'</b>		Pad Elevation (NAVD88) <b>OSF-64R = 60.57', OSF-65 = N/A'</b>

### GEOGRAPHIC DATA

Section 1	Township <b>28 South</b>	Range <b>30 East</b>	
Well(s) Gate(s)  Benchmark(s)	Latitude: <b>OSF-64R 28°04'21.4"</b> <b>OSF-65 28°04'21.0"</b>	Longitude: <b>OSF-64R -81°16'46.7"</b> <b>OSF-65 -81°16'45.6"</b>	Source: <b>Garmin Handheld GPSMAP</b>
	State Plane Coordinates	Northing (Y) = <b>N/A</b>	Easting (X) = <b>N/A</b>

**Notes:** **NAVD88** – North American Vertical Datum of 1988; **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.

### PICTURES

**Aerial of Overall Site**  
Not to scale (esri product)

**OSF-64R – GW**  
Latitude: **28°04'21.4"**  
Longitude: **- 81°16'46.7"**

Benchmark **"OSF-64R"**  
Latitude: **28°04'21.3"**  
Longitude: **- 81°16'46.7"**  
El. **60.60 feet NAVD88**

Benchmark **"OSF-64"**  
Latitude: **28°04' 20.7"**  
Longitude: **- 81°16'46.7"**  
El. **60.77 feet NAVD88**

**OSF-65 – GW**  
Latitude: **28°04'21.0"**  
Longitude: **-81°16'45.6"**

Benchmark **"OSF-64R"**  
Latitude: **28°04'21.3"**  
Longitude: **- 81°16'46.7"**  
El. **60.60 feet NAVD88**



Benchmark **"OSF-64"**  
Latitude: **28°04' 20.7"**  
Longitude: **- 81°16'46.7"**  
El. **60.77 feet NAVD88**



Benchmark **"OSF-64R"**  
Latitude: **28°04'21.3"**  
Longitude: **- 81°16'46.7"**  
El. **60.60 feet NAVD88**

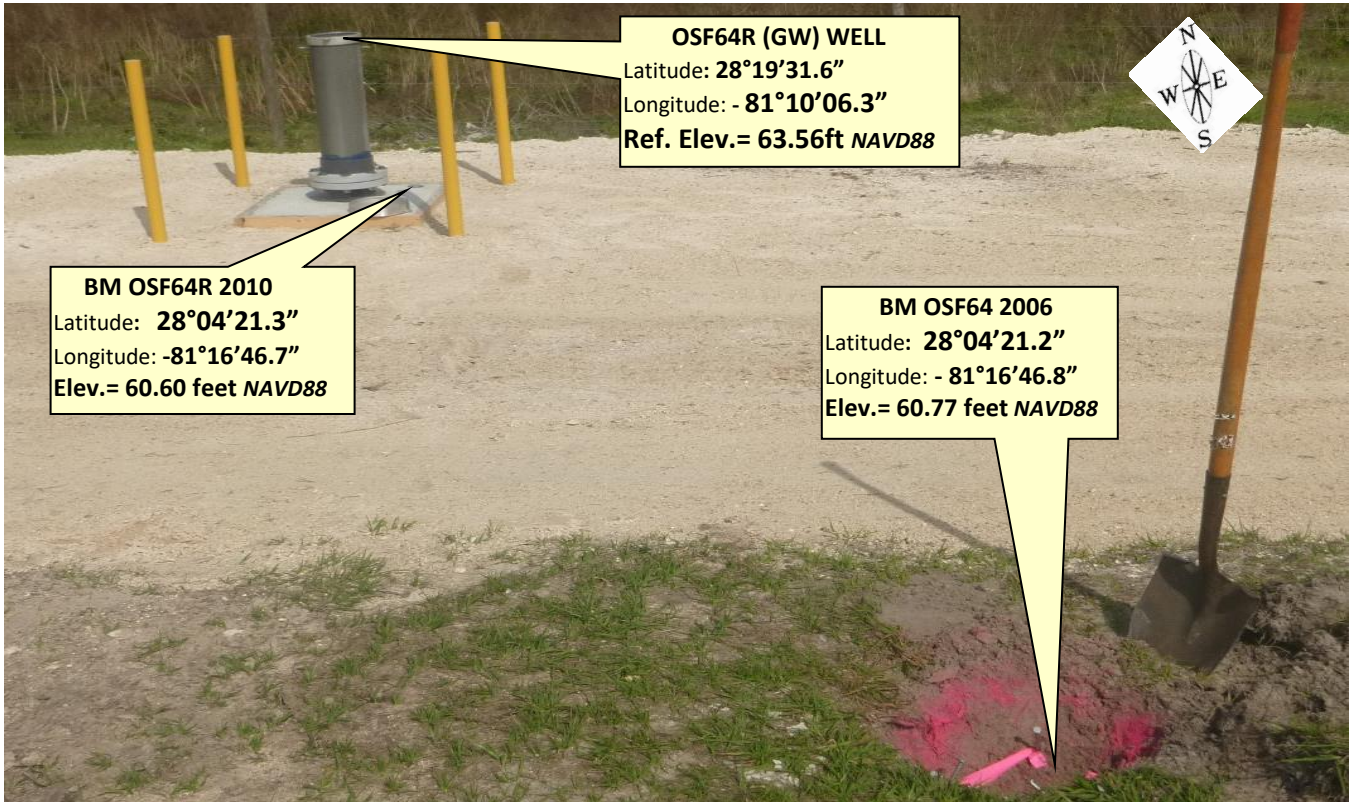




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## OSF64R & OSF65 Well Site



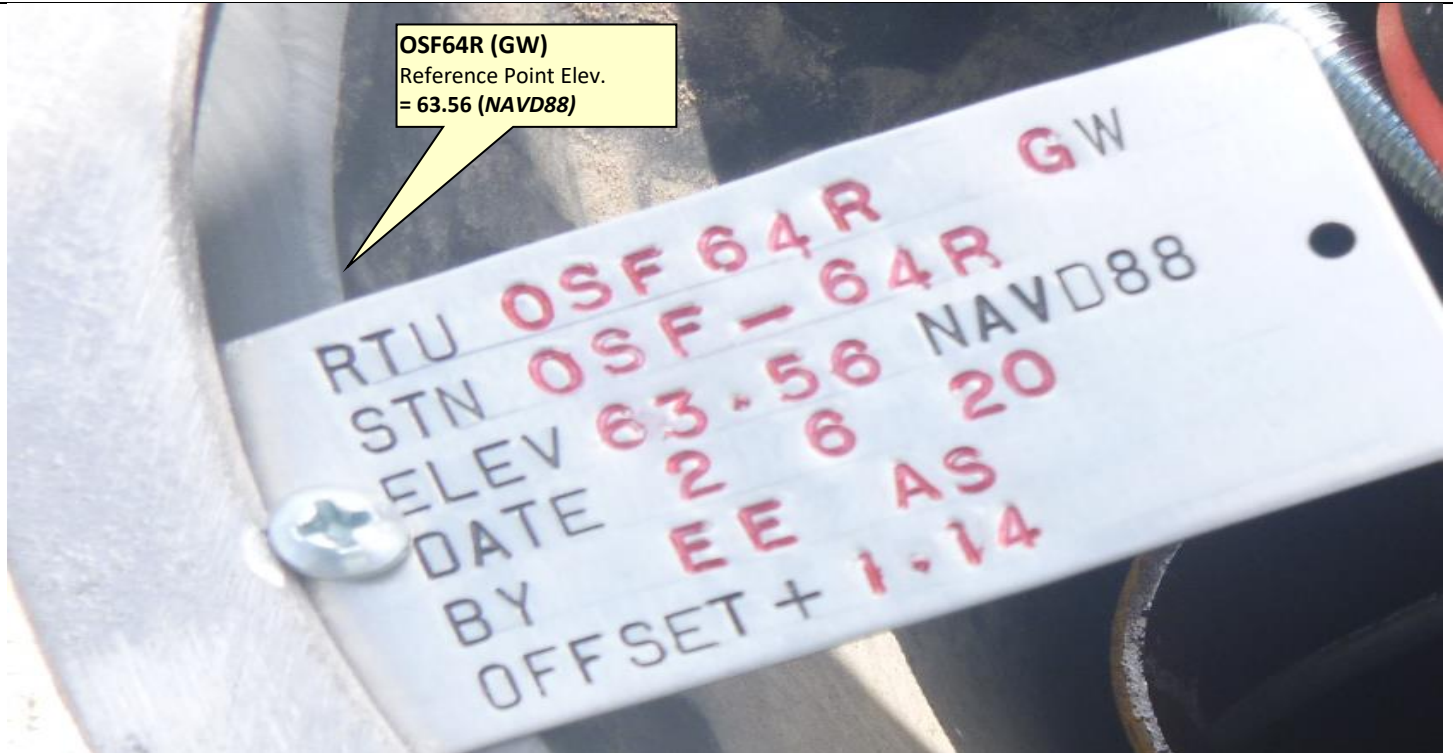




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## OSF64R & OSF65 Well Tags



OSF65 (GW)  
Reference Point Elev.  
= 62.11 (NAVD88)





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**"OSF64R" Benchmark Location**  
Benchmark: El.60.60 feet (NAVD88)



Benchmark "OSF64R"  
Latitude: 28°04'21.3"  
Longitude: - 81°16'46.7"  
El. 60.60 feet NAVD88







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## "OSF64 2006" Benchmark Datasheet (1 of 1)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

<b>COUNTY</b> OSCEOLA	<b>PROJECT</b>	<b>DESIGNATION</b> Structure OSF-64	
<b>SECTION</b> <u>1</u>	<b>TOWNSHIP</b> <u>28</u> SOUTH	<b>RANGE</b> <u>30</u> EAST	
<b>GEOGRAPHIC INDEX OF QUAD</b>			
Established by <u>KEITH AND SCHNARS</u>		<b>NAME OF QUADRANGLE</b> <u>CYPRESS LAKE</u>	
Recovered by <u>SET CLASS "C" MONUMENT WITH SFWMD BRASS DISK.</u>			
SURVEYOR <u>T. COON (Keith and Schnars)</u> DATE <u>07/06/2006</u>		FIELD BOOK, 1161, pgs. 30-32	
HORIZONTAL DATUM: 1983 with 1999 correction, ZONE East			
VERTICAL DATUM: NGVD 1929 and NAVD 1988			
CONTROL ACCURACY: HORIZONTAL HAND-HELD GPS, 3 <sup>rd</sup> Order VERTICAL			
<b>STATE PLANE COORDINATES</b>	X = 565962	Y = 1359166	EL. (NGVD 1929) 61.901' EL. (NAVD 1988) 60.772'
LATITUDE <u>28° 04' 21"</u>		LONGITUDE <u>81° 16' 47"</u>	
<b>DESCRIPTION</b>			
South Florida Water Management District brass disk set in concrete monument stamped OSF 64 / 2006			
The benchmark is located 11.7 miles south of Saint Cloud.			
To reach the mark from the intersection of U.S. 192 and Vermont Ave. in Saint Cloud travel south along Vermont Ave. a distance of 11.7 miles (Vermont Ave. will turn into Canoe Creek Rd.) to Lake Cypress Rd.			
Then travel West along Lake Cypress Rd. for a distance of 0.7 miles to a dirt road on the south side of the road.			
Then travel South along the dirt road a distance of 0.8 miles to a metal gate on the west side of the road			
Just before the Bridge crossing the canal. The mark is on the west side of the road, 140' northwest of the gate, 50' south east of the southeast corner of the well vault and 5' south of the southeast corner of a 4' barbed			
Wire fence Around the well.			
Notable Land marks:			

SKETCH





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## "OSF64R & OSF65" Field Notes (1 of 2)

SCADA FB#13      02-06-2020      52					
SEC 1 TWP 28 R5E 30      EBANKS SCHAUER					
ESTABLISH REFERENCE ELEVATIONS FOR WELL					
OSF 64R, OSCEOLA COUNTY					
STA	±	+II	=	ELEV	REMARKS
OSF 65 4in. WELL CASING	3.62	65.73		62.11	NAVO88
OSF 65 8in. WELL CASING			3.80	61.93	(61.93)
Bm OSF 64R 2020			5.14	60.59	Bm - Above CAP 5ft TOP OF WELL PAD
- IRT -					
Bm OSF 64R 2020	5.25			65.84	
OSF 65 4in. WELL CASING			3.72	62.12	
<u>FOR WELL OSF 64R</u>					
Bm OSF 64R 2020	4.90	65.50		60.60	
OSF 64R WEL			1.94	63.56	WELL HEAD
CONC PAD WEST			4.93	60.57	<div style="font-size: 2em;">}</div> PAD 60.57
CONC PAD NORTH			4.93	60.57	
CONC PAD EAST			4.94	60.56	
CONC PAD SOUTH			4.92	60.58	
GROUND NORTH			5.3	60.20	<div style="font-size: 2em;">}</div> 60.3
GROUND WEST			5.2	60.30	
GROUND SOUTH			5.2	60.30	
GROUND EAST			5.2	60.30	
OSF 64R					
Bm OSF 64R 2020	1.63	65.19		4.60	60.59





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## "OSF64R & OSF65" Field Notes (2 of 2)

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SCADA FB #13

02-06-2020

ESTABLISH REFERENCE ELEVATION FOR EBANKS  
 BM OSF 64 R 2020, OSCEOLA COUNTY SCHAUER

SIA	±	HI	=	ELEV	REMARKS
Bm OSF 64 2006	4.43	65.20		60.77	(NAVD88)
Bm OSF 64 R 2020			4.60	60.60	
		<del>[RT]</del>			
Bm OSF 64 R 2020	4.79	65.39			
Bm OSF 64 2006			4.62	60.77	✓

\* Bm OSF 64 2006 IS LOCATED:  
 27.3' SOUTH OF BARBED WIRE FENCE (TO NORTH)  
 19.3' SOUTH EAST OF CENTER OF WELL OSF 64R