








<b>Site Name BF-1 GW1</b>		<b>Date of Field Work</b> 2/22/17
<b>Party Chief</b> Ebanks/Cain	<b>Field Book Name/Number</b> SCADA FB #12	<b>Page Number(s)</b> Pg. 41
<b>Site Benchmark Name</b> FCE 3090 1968	<b>Benchmark Elevation (NAVD88)</b> 10.08ft	<b>Datum Offset to NGVD29</b> +1.58'
<b>Reference Elevation (NAVD 88)</b> 10.51ft		<b>Existing Tag Elevation (Datum)</b> N/A
<b>Latitude</b> 26° 10' 24.2"		<b>Longitude</b> 80° 10' 42.6"
<b>Notes: GW Well Inside Enclosure. Well Head Modified.</b> <ul style="list-style-type: none"> <li>Well Pad ELEV. = 7.77ft</li> <li>Ground ELEV. = 7.3ft</li> </ul>		

**Photographs**





<b>Overall Site</b>	<b>Benchmark Location</b>	<b>Benchmark Close Up</b>
		



<b>Brass Tag Close Up</b>	<b>Brass Tag + Reference Mark</b>
	



<b>Staff Gauge (Front View)</b>	<b>Staff Gauge (Side View)</b>
	

<b>Site Name BF-1 GW2</b>		<b>Date of Field Work</b> 2/22/17
<b>Party Chief</b> Ebanks/Cain	<b>Field Book Name/Number</b> SCADA FB #12	<b>Page Number(s)</b> Pg. 41
<b>Site Benchmark Name</b> FCE 3090 1968	<b>Benchmark Elevation (NAVD88)</b> 10.08ft	<b>Datum Offset to NGVD29</b> +1.58'
<b>Reference Elevation (NAVD 88)</b> 5.58ft		<b>Existing Tag Elevation (Datum)</b> N/A
<b>Latitude</b> 26° 10' 24.6"		<b>Longitude</b> 80° 10' 42.6"
<b>Notes: GW Well Inside Ground Manhole Cover.</b> <ul style="list-style-type: none"> <li>Well Pad ELEV. = 5.89ft</li> <li>Ground ELEV. = 5.6ft</li> </ul>		

**Photographs**

<b>Overall Site</b>	<b>Benchmark Location</b>	<b>Benchmark Close Up</b>
 		

<b>Brass Tag Close Up</b>	<b>Brass Tag + Reference Mark</b>
	


<b>Staff Gauge (Front View)</b>	<b>Staff Gauge (Side View)</b>
	



<b>Site Name BF-1 GW3</b>		<b>Date of Field Work</b> 2/22/17
<b>Party Chief</b> Ebanks/Cain	<b>Field Book Name/Number</b> SCADA FB #12	<b>Page Number(s)</b> Pg. 41
<b>Site Benchmark Name</b> FCE 3090 1968	<b>Benchmark Elevation (NAVD88)</b> 10.08ft	<b>Datum Offset to NGVD29</b> +1.58'
<b>Reference Elevation (NAVD 88)</b> 10.87ft		<b>Existing Tag Elevation (Datum)</b> N/A
<b>Latitude</b> 26° 10' 24.5"		<b>Longitude</b> 80° 10' 42.7"

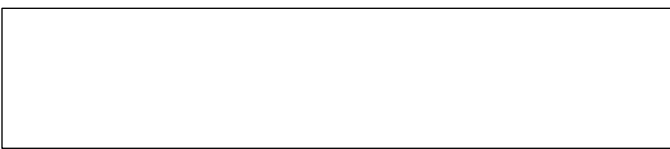
**Notes: GW Well Inside Enclosure. Well Head Modified.**

- Well Pad ELEV. = 6.74ft
- Ground ELEV. = 6.6ft
- GW3 Verification Point ELEV. = 10.86ft

**Photographs**

<b>Overall Site</b>	<b>Benchmark Location</b>	<b>Benchmark Close Up</b>
		

<b>Brass Tag Close Up</b>	<b>Brass Tag + Reference Mark</b>
	

<b>Staff Gauge (Front View)</b>	<b>GW3 Verification Point</b>
	



hec. 20 TWP 49 Rge 42

Ebanks  
Cain

Verify REF. ELEV. for modified BF 1  
WELL HEADS @ 5-36 (C-13)

HTA	+	H.I.	-	Elev	Remarks
BM ICE3090	2.74	12.82		10.08 (11.58)	FIND WINDS
BF 1 GW 1			2.31	10.51	✓
BF 1 GW 2			7.245	5.515	✓
BF 1 GW 3			1.95	10.87	✓
VF Pt,			1.96	10.86	WELL Verification pt.
BM BF-2 (1997)			6.05	6.71	
PAD GW 3			6.08	6.74	
GD @ PAD GW 3			4.2	6.6	
GW 2 PAD			6.93	5.89	
GD @ GW 2			7.2	5.6	
GW 1 PAD			5.05	7.77	
GD @ GW 1			5.5	7.3	
BM ICE3090	2.74			10.08	✓



Verify REF. Elev. FOR WELLS Along North Levee of STA 3/4 -

HEC.	TWP	Rge	Elev.	Remarks
HTA	+	H.I.	-	
BMG-380E	3.85	22.45	18.60	
HW WELL		2.00	20.45	(20.45) <sup>8/1/16</sup>
TW WELL		2.37	20.08	(20.09) <sup>8/1/16</sup>
BM	*CHECKS	3.85	18.60	

FOR G-380B

HEC.	TWP	Rge	Elev.	Remarks
HTA	+	H.I.	-	
BMG-380B	4.11	22.66	18.55	
HW WELL		1.48	21.18	(21.17) <sup>7/27/16</sup>
TW WELL		2.72	19.94	(19.93) <sup>7/27/16</sup>
BM	*CHECKS	4.11	18.55	

FOR G-377D

HEC.	TWP	Rge	Elev.	Remarks
HTA	+	H.I.	-	
BMG-377D	2.45	23.01	20.56	
HW WELLS		2.24	20.77	(20.74) <sup>7/6/16</sup>
TW WELLS		2.18	20.83	(20.78) <sup>7/6/16</sup>
BM	*SET NEW TAGS	2.45	20.56	

Verify REF. Elev. (NORTH LEVEE) Ebanks Wells Kett

FOR G-377B

HTA	+	H.I.	-	Elev	Remarks
BMG-377B	2.14	22.705		20.565	
HW WELL		0.68	22.025	(22.00)	<sup>7/30/15</sup>
TW WELL		0.72	21.985	(21.95)	<sup>7/30/15</sup>
BM	*SET NEW TAGS	2.14	20.565		

FOR G-374E

Sec.	TWP	Rge	Elev	Remarks
HTA	+	H.I.	-	
BMG-374E	3.67	23.16		19.49
HW WELL		1.27	21.89	(21.849) <sup>7/22/15</sup>
TW WELL		1.26	21.90	(21.859) <sup>7/22/15</sup>
	*SET NEW TAGS			

FOR G-374B

Sec.	TWP	Rge	Elev	Remarks
HTA	+	H.I.	-	
BMG-374B	3.30	22.985		19.685
HW WELL		1.22	21.765	(21.73) <sup>7/22/15</sup>
TW WELL		1.18	21.805	(21.77) <sup>7/22/15</sup>
BM	*SET NEW TAGS	3.30	19.685	

10.50 DTW RTU=12.26  
 - 1.03 21.76 SG=12.27  
 -----  
 9.47  
 -----  
 12.29



43

SCADA FB#12

2-28-17

hec.

WP

Rge

Ebanks  
Kett

Verify

Ref Meter @ G-374A & G-370 TW

WIA

+

H.I.

-

Eded

Remad

BMG-374A

4.01

23.53

19.52

370TW

SW21

0.48

23.05

(23.105)<sup>10%</sup>

SW19

\*SET NEW  
TAGS

0.60

22.93

(22.97)<sup>10%</sup>

BM

4.01

19.52

DTW SW21

DTW SW19

11.50

23.05

11.50

22.93

-0.76

-10.74

-0.88

10.62

10.74

12.31

10.62

12.31

# REGISTRATION WORKSHEET - BF-1 FLORIDIAN Installation/Modification

Site Name: **BF-1 FLORIDIAN** Today's Date: **3/1/2017** Type Recorder: **CR1000**  
 Activity: **Installation/Modifica** Effective Date:  Start Date of Data :   
 Customer: **L. Hennick/SCADA Monit.** Bus. Area: **SCADA** Agency: **SFWMD** Internal Order:   
 Project Manager: **E. Ebanks** Bus. Area: **InfrStr. Mgt/Survey** Agency: **SFWMD** Fund:   
 Contract #:   
 Project Name:  Legal Mandate:

Short Common Name / Description:

Proj. Mgr. Notes: Addendum Added to Update Surveying Data for REF. ELEV. Well Heads Modified... NGVD 29 to NAVD 88 Offset = 1.58'

Site Directions: From I-95 and Oakland Park... go west on Oakland Park to NW 31st Ave. Make right and go North on NW 31st Ave to NW 39St. Make right and go East on NW 39st to S-36 and Station location on East Side of S-36.

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: **Abloy S** #   
 Recorder Location/Purpose: **Floridian Well (GW)** Structure Type: **Structure Modification**  
 Array ID Configuration table attached

### SURVEY INFORMATION

B.M. Elevation: **10.08ft** Date: **6/6/1968** Stamp: **FCE 3090 1968 JAX**  
 Agency: **USACE** Type: **BRASS** Datum: **NAVD 88**

Benchmark Location/ Description: Located at NE Corner of S-36.. Top of Wing Wall.

### COMMUNICATIONS INFORMATION

Communications System:  Loggernet Server:  Loggernet IP Address:   
 Tower:  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
GWFL1	BF1	10.51ft	2/22/2017	10.51ft		7.3ft	10.08ft	NAVD 88	Mark on Rim of PVC Well ... Denoted by Brass Tag.
GW2	BS2	5.58ft	2/22/2017	5.58ft		5.6ft	10.08ft	NAVD 88	Mark Set on Rim of Well.. Denoted by Brass Tag.
GW3	BF-2	10.87ft	2/22/2017	N/A		6.6ft	10.08ft	NAVD 88	Mark Set on Gal. Elbow.. 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								
GWFL1																
GW2																
GW3																

### COORDINATE INFORMATION

Item/Param	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GWFL1	26 10 24.2	80 10 42.4			20	49	42	FT. LAUDERDALE N		Broward	
GW2	26 10 24.6	80 10 42.6			20	49	42	FT. LAUDERDALE N		Broward	
GW3	26 10 24.5	80 10 42.7			20	49	42	FT. LAUDERDALE N		Broward	