SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

DB Hydro Station Name: **ARS B0**	DB Hydro Site Name: **WLNB**	Last date of Field Work: **05-jun-17**
Party Chief: **Strickland**	Field Book: **MISC 7B**	Page(s) **47,51 and 62**
Site Benchmark: **WLNB**	Benchmark Elevation (NAVD88): **23.711**	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29): **+1.243**
Reference Elevation(s) (NAVD88): **26.67**	Existing Tag Elevation (Datum): **30.705 10-27-08 EE MR**	Calibration Port Elevation(s) (NAVD88): **Not applicable**
Ground Elevation (NAVD88): **24.1**	Pad Elevation (NAVD88): **Not applicable**	
Latitude: **27°19'16.788"**	Longitude: **80°50'28.715"**	

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

Overall Site

Looking West (Not to Scale) 25-apr-17

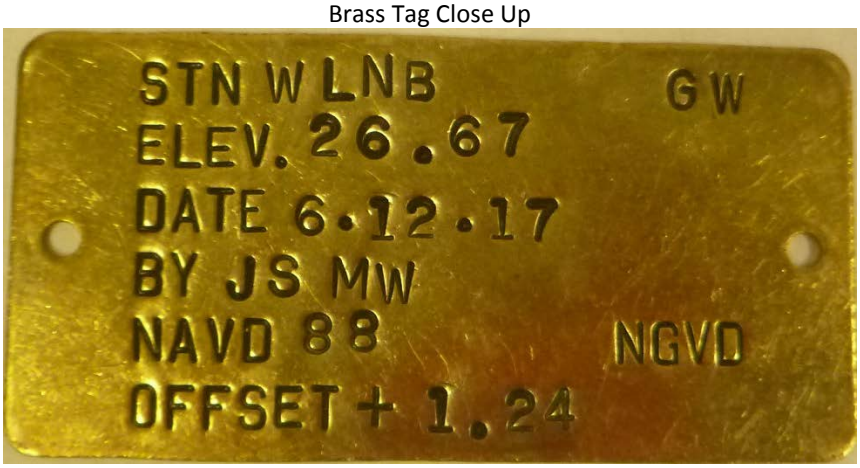
SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

Wellhead Close-up

(Not to Scale) 25-apr-17

Brass Tag Close Up



47 MISC FB # 78 4-25-17

SEC	21	TWP	36	RGE	34
	ESTABLISH NAVD88 @ WLNB GW				
STA	+	HI	−	ELEV	BM EL
BM		29.201 ~~30.04~~		26.55	~~26.549~~ NAVD88
	5.49				
REF			2.53	~~29.51~~ 26.671	
GRND			5.1	~~26.94~~ 24.10	
BM			5.49	~~26.55~~ 23.711	26.55

23.711 NAVD88

MISC FB # 78 4-25-17 47

T ECT STRICKLAND & HUDSON

OPUS FD BM WLNB 2007
OKEE UNIT 8425 HI = 1.5m
START 12:02 pm END 2:12 pm

COMMENTS

BM WLNB 2007 SFWMD BRASS DISK FD GOOD COND FLUSH W/ GRND

REF ~~MK~~ ATOP & PVC PIPE COUPLER NE SIDE

GRND @ WELL

BM WLNB 2007 AS ABOVE

SEC 27 TWP 36 RGE 35

USE GPS TO CHECK BM'S WLNB & OPAL

FILE NAME WLNB

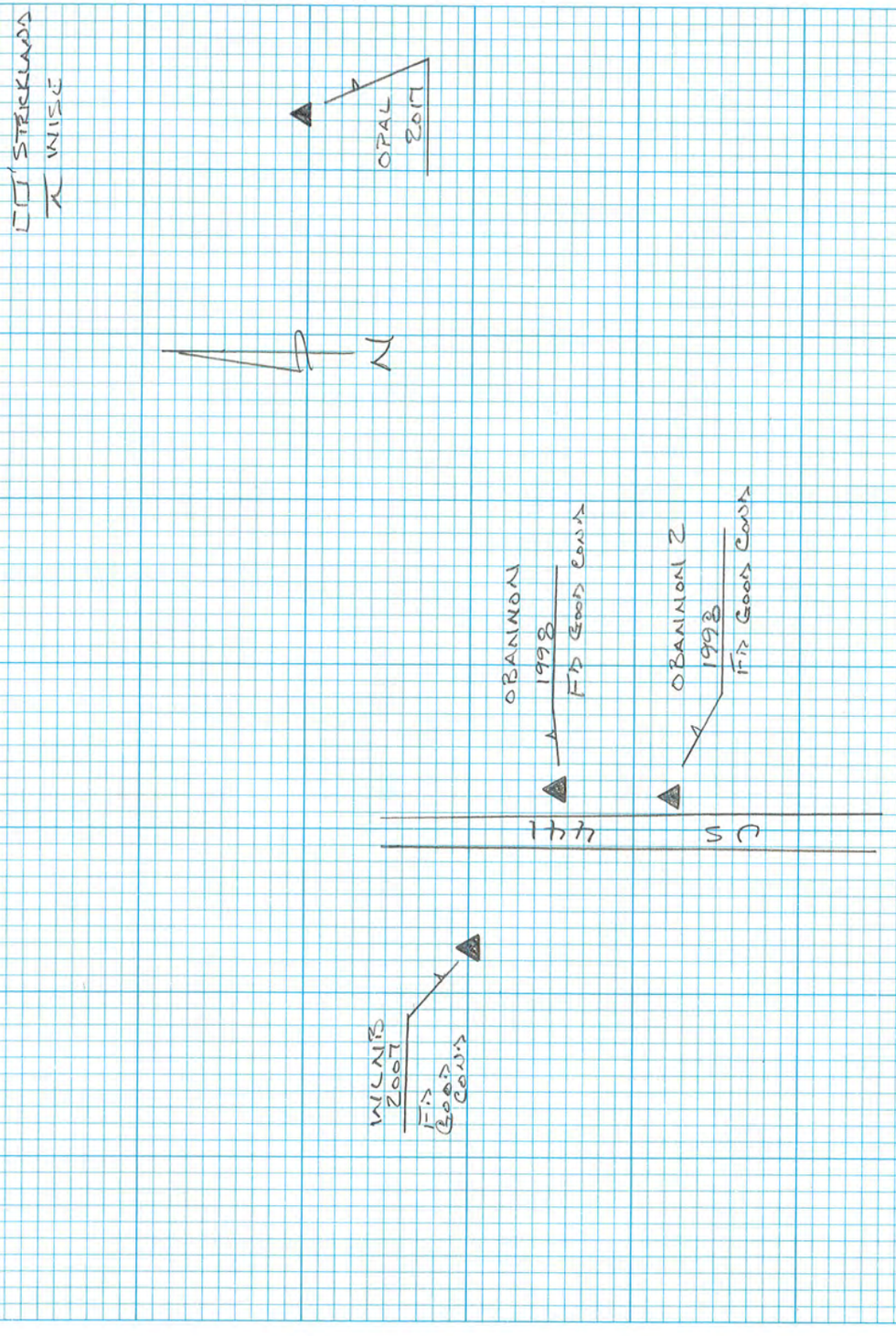
BASE PT # 1 OBANNON 1998 HI = 2m

FS START 100 FS 104

CONTROL	POINT	N	E	V
2 / 102	OBANNON 2	0.047	-0.009	0.0047
3 / 103	WLNB	-0.005	-0.111	0.049
2 / 104	OBANNON 2	0.02	0.029	0.079

NOTE: LOST RADIO @ OPAL BM WAS NOT ABLE TO COMPLETE CHECK

MISC FB# 7B 5-3-17



SEC 21,27,28 TWP 36 RGE 35

RE-ESTABISH NAVD 88 EL @ WLNB

FILENAME: WLNB1

STA	PT#	EL.	BM EL.
BM	#1 OBANNON		29.246 NAVD88
BM	#7 OBANNON2	27.820	27.815
BM	#22 S-390	25.396	25.40
BM	#23 ARTH	25.292	25.30
BM	#31 WLNB	23.709	23.705
BM	#39 S-390	25.40	25.40

MISC FB# 78 5-31-17 6-5-17 62

EQUIPMENT USED:
DINI LEVEL SERIAL# 771295
BAR CODE ROD

Ø STRICKLAND
□□ T WISE

COMMENTS

BM OBANNON GPS 1998 SS ROD W/ ALUM ACCESS COVER

BM OBANNON 2 GPS 1998 SS ROD W/ ALUM ACCESS COVER

BM S-390 2006 SFWMD BRASS DISC NW CORNER OF CONC SLAB

BM ART HOLLIN PARTY CHIEF 1974 2012 SFWMD BRASS DISC NE CORNER OF CONC SLAB

BM WLNB 2007 SFWMD BRASS DISC FD GOOD CONDITION

BM S-390 2006 SFWMD BRASS DISC NW CORNER OF CONC SLAB

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:
**

Designation	**WLNB**	**Record State**	**ACCEPTED**
NGS PID			
Project Name	**WLNB WELL SITE**	**Date Entered/Updated**	**06/06/2017**
Updated By	**hehmke**	**Status**	**RECOVERED**
Party Chief		**Type**	**H/V**
Monument Set By	**KEITH & SCHNARS PA**	**Date Established**	**01/01/2007**
County	**OKEECHOBEE COUNTY**	**Section**	**21**
Township	**36**	**Range**	**34**
Quadrangle	**TAYLOR CREEK SE**	**Offset (29 to 88)**	
NGS Source BM		**CCR Link**	
Ctrl Pt Source(s)			

Horizontal	NAD 1927	NAD 1983	Vertical	NGVD 1929	NAVD 1988
Latitude		**27 19 16.789 ****	**Class**		
Longitude		**80 50 28.714 ****	**Order**	**3**	**3**
Northing(Y)		**1086012.415**	**Elevation**	**24.95**	**23.711**
Easting(X)		**707691.68**	**Measurement Unit**	**Feet**	**Feet**
Class		**II**			
Order		**3**			
NAD83 Adj Year		**1990**			

Field Book

1476

Field Book Pages

45-62

Stamping

WLNB 2007

How to Reach

******* RECOVERY NOTES *******
5-31-17 Level run to verify elevation MISC 7B p62
OPUS BM 4/25/2017 MISC FB 7B PAGE 47 JNS
****OLD COORDINATE N 1086012.45 E 707691.59
OLD COORDINATES LAT:271912.0 LONG:805030 ELEVATION 27.74 (NGVD 29)
10/27/2008 SURVEYOR EBANKS WITH SOUTH FLORIDA WATER MANAGEMENT RECOVERED BENCHMARK. EBANKS
REFERENCED SCADA FIELD BOOK #7 PAGE 51. DIFFICULTY FINDIING THE BENCHMARK. COORDINATES CORRECTED.
BENCHMARK IS 19 FEET EAST OF MONITORING WELL; 13 FEET EAST FROM NORTH EAST CORNER OF WELL ENCLOSURE;
15.8 FEET NORTH EAST OF THE SOUTH EAST CORNER OF WELL ENCLOSURE; 21 FEET NORTH

WEST OF NORTH
WEST CORNER OF RAIN GAUGE ENCLOSURE AND 40.3 FEET NORTH EAST OF LONE CBBAGE PALM.(MR 10/29/2008)
****
THE BENCHMARK IS NORTH OF THE CITY OF OKEECHOBEE IN SECTION 21, TOWNSHIP 36 SOUTH, RANGE 34
EAST.
TO REACH THE MARK FROM THE INTERSECTION OF UNITED STATES HIGHWAY 441 (PARROT AVENUE), AND NW
50TH DRIVE, GO WEST AND NORTH ALONG NW 50TH DRIVE A DISTANCE OF 2.93 MILES TO A GATE ON THE
EAST SIDE OF THE ROAD; GO THROUGH THE GATE AND MEANDER EAST AND SOUTH ALONG THE TREE LINE A
DISTANCE OF 0.71 OF A MILE TO THE SITE.
THE BENCHMARK IS A SOUTH FLORIDA WATER MANAGEMENT DISTRICT 3-1/2-INCH BRASS DISK SET IN A POURED
IN PLACE CONCRETE MONUMENT STAMPED WLNB 2007 .

Description

A SOUTH FLORIDA WATER MANAGEMENT DISTRICT 3-1/2-INCH BRASS DISK SET IN A POURED IN PLACE CONCRETE
MONUMENT STAMPED WLNB 2007 .

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

COUNTY OKEECHOBEE	**PROJECT Hydrology – Okeechobee and Fort Pierce Wells**	**DESIGNATION S390**
SECTION 28	**TOWNSHIP 36 SOUTH**	**RANGE 35 EAST**

GEOGRAPHIC INDEX OF QUAD

Established by Nick Miller Inc. **Recovered by**	**NAME OF QUADRANGLE** **TAYLOR CREEK SE**
SURVEYOR Stephen M. Gordon **DATE** 12/28/2006	**FIELD BOOK** 17 **PAGE** 13

HORIZONTAL DATUM: **1927** (**1983**) **Other**_____ (circle one) ZONE (**E**) or **W**

STATE PLANE COORDINATES	**E 709,022 ft**	**N 1,083,511 ft**
LATITUDE: N 27.31444°	**LONGITUDE: W 80.83722°**	
VERTICAL DATUM: MSL **1929** (**1988**) **Other** _____ (circle one)		**EL. 25.40 ft**
VERTICAL DATUM: MSL (**1929**) **1988 Other** _____ (circle one)		**EL. 26.63 ft**

CONTROL ACCURACY: HORIZONTAL 1 2 3 (SUB-METER) (circle one) **VERTICAL 1 2 (3)**

DESCRIPTION

To Reach:

FROM THE JUNCTION OF US 441/US 98/SR 70, HEAD NORTH ON US 441 FOR 4.3 MILES TO SFWMD TAYLOR CREEK ENTRANCE. TURN LEFT ON DIRT ROAD AND HEAD WEST FOR +/- 50 FEET TO SFWMD LOCKED GATE. GO THROUGH SFWMD GATE AND CONTINUE WEST FOR 0.1 MILE ON LEVEE ROAD. MAKE RIGHT ON LEVEE ROAD AND HEAD NORTHERLY FOR 0.8 MILE THEN WESTERLY FOR 0.1 MILE TO CHAIN LINK FENCE LOCKED GATE FOR STRUCTURE S390. GO THROUGH LOCKED GATE AND HEAD WEST FOR +/- 100 FEET TO MARK ON LEFT. MARK IS LOCATED ON STRUCTURE S390, 1 FOOT SOUTH AND 1 FOOT EAST OF NORTHWEST CORNER OF LARGE CONCRETE PAD IN MIDDLE OF STRUCTURE, 12 FEET NORTH OF MONITORING WELL'S 1 FOOT DIAMETER CORRIGATED PIPE, 40.7 FEET NORTHWEST OF NORTHEAST CORNER OF UTILITY BUILDING. NO MAGNET SET AT SITE.

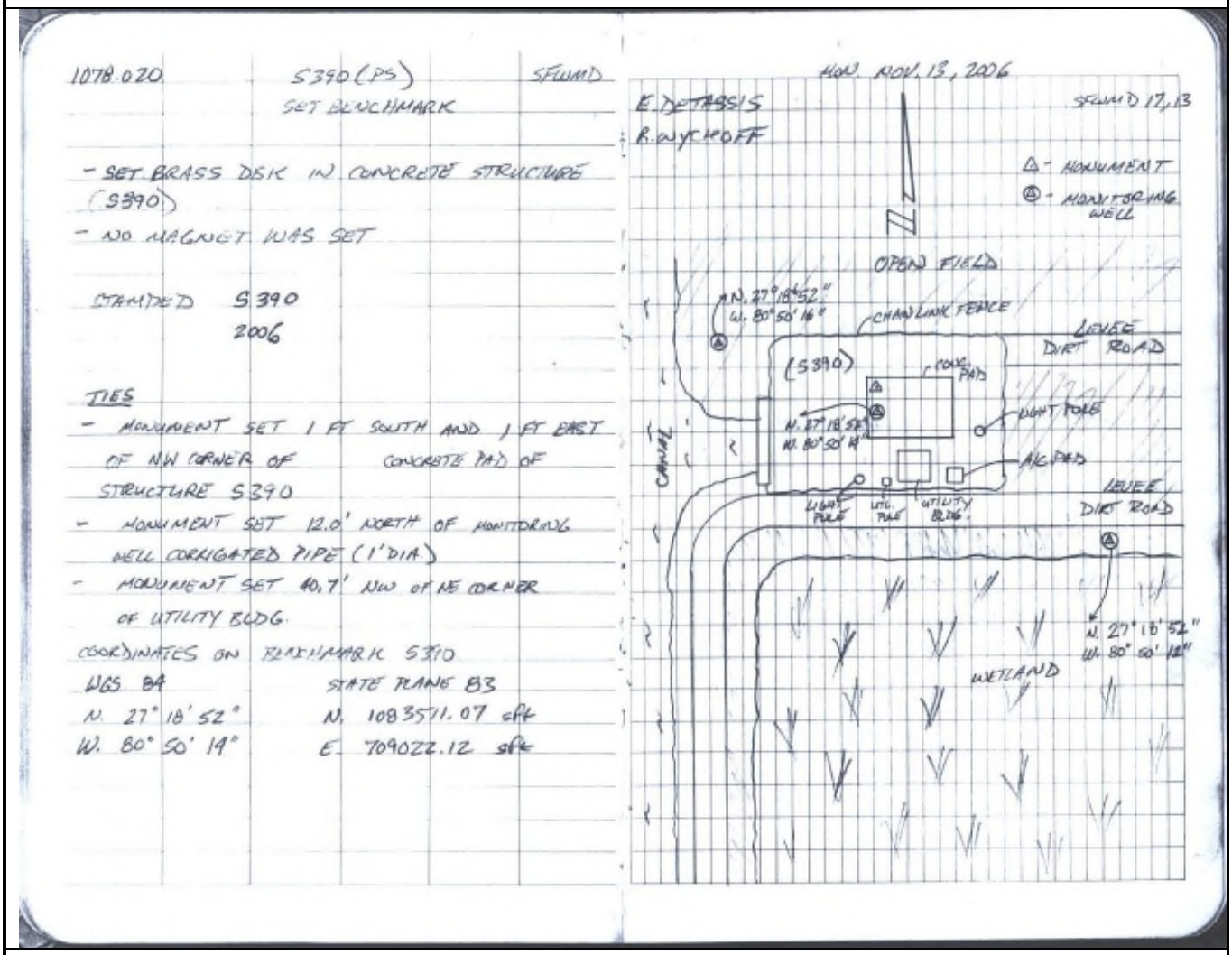
Benchmarks Used: OBANNON 2 & 32.57

Notable Land marks:

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

SKETCH



S387C		Elevation:	**32.56 ft**	(NAVD 88)	33.84 ft	(NGVD 29)
Bench Mark 1:	X 524		39.10 ft	(NAVD 88)	40.37 ft	(NGVD 29)
Bench Mark 2:	S 191 W		40.60 ft	(NAVD 88)	41.87 ft	(NGVD 29)
Monitoring Well:	S387C		36.82 ft	(NAVD 88)	38.10 ft	(NGVD 29)
Concrete Pad:	S387C		32.53 ft	(NAVD 88)	33.81 ft	(NGVD 29)
Ground Elevation:	S387C		26.92 ft	(NAVD 88)	28.20 ft	(NGVD 29)

To Reach S387C:

FROM THE INTERSECTION SR 710 AND SR 70, HEAD SOUTHEASTERLY ON SR 710 FOR 5.1 MILES TO SFWMD NUBBINS SLOUGH ENTRANCE. MAKE LEFT AND HEAD EAST FOR +/- 150 FEET TO SFWMD LOCKED GATE ON LEFT. GO THROUGH SFWMD GATE AND HEAD NORTH ON DIRT ROAD FOR 1.25 MILES TO LEVEE ROAD ENTRANCE. MAKE RIGHT ON LEVEE ROAD HEAD SOUTH FOR +/- 225 FEET TO MARK ON LEFT. MARK IS LOCATED ON STRUCTURE S387C, 8.2 FEET NORTHWEST OF MONITORING WELL'S 1 FOOT DIAMETER CORRIGATED PIPE, 22.5 FEET EAST OF THE CENTERLINE OF LEVEE ROAD, 14.2 FEET NORTHEAST OF RADIO TOWER. NO MAGNET SET AT SITE.

S390		Elevation:	**25.40 ft**	(NAVD 88)	26.63 ft	(NGVD 29)
Bench Mark 1:	OBANNON 2		27.81 ft	(NAVD 88)		(NGVD 29)
Bench Mark 2:	32.57		31.32 ft	(NAVD 88)		(NGVD 29)
Monitoring Well (east):			28.08 ft	(NAVD 88)	29.31 ft	(NGVD 29)
	Concrete Pad:		25.99 ft	(NAVD 88)	27.21 ft	(NGVD 29)
	Ground Elevation:		26.86 ft	(NAVD 88)	28.09 ft	(NGVD 29)
Monitoring Well (center):			28.14 ft	(NAVD 88)	29.36 ft	(NGVD 29)
	Concrete Pad:		25.33 ft	(NAVD 88)	26.55 ft	(NGVD 29)
	Ground Elevation:		25.22 ft	(NAVD 88)	26.44 ft	(NGVD 29)
Monitoring Well (west):			25.61 ft	(NAVD 88)	26.83 ft	(NGVD 29)
	Concrete Pad:		22.69 ft	(NAVD 88)	23.92 ft	(NGVD 29)
	Ground Elevation:		23.19 ft	(NAVD 88)	24.42 ft	(NGVD 29)

To Reach S390:

FROM THE JUNCTION OF US 441/US 98/SR 70, HEAD NORTH ON US 441 FOR 4.3 MILES TO SFWMD TAYLOR CREEK ENTRANCE. TURN LEFT ON DIRT ROAD AND HEAD WEST FOR +/- 50 FEET TO SFWMD LOCKED GATE. GO THROUGH SFWMD GATE AND CONTINUE WEST FOR 0.1 MILE ON LEVEE ROAD. MAKE RIGHT ON LEVEE ROAD AND HEAD NORTHERLY FOR 0.8 MILE THEN WESTERLY FOR 0.1 MILE TO CHAIN LINK FENCE LOCKED GATE FOR STRUCTURE S390. GO THROUGH LOCKED GATE AND HEAD WEST FOR +/- 100 FEET TO MARK ON LEFT. MARK IS LOCATED ON STRUCTURE S390, 1 FOOT SOUTH AND 1 FOOT EAST OF NORTHWEST CORNER OF LARGE CONCRETE PAD IN MIDDLE OF STRUCTURE, 12 FEET NORTH OF MONITORING WELL'S 1 FOOT DIAMETER CORRIGATED PIPE, 40.7 FEET NORTHWEST OF NORTHEAST CORNER OF UTILITY BUILDING. NO MAGNET SET AT SITE.

The NGS Data Sheet

See file dsdata.pdf for more information about the datasheet.

```
PROGRAM = datasheet95, VERSION = 8.12.1
1         National Geodetic Survey,   Retrieval Date = JUNE  6, 2017
 AH9321 ***********************************************************************
 AH9321  DESIGNATION -  OBANNON
 AH9321  PID         -  AH9321
 AH9321  STATE/COUNTY-  FL/OKEECHOBEE
 AH9321  COUNTRY     -  US
 AH9321  USGS QUAD   -  TAYLOR CREEK SE (1972)
 AH9321
 AH9321                        *CURRENT SURVEY CONTROL
 AH9321  ______________________________________________________________________
 AH9321* NAD 83(2011) POSITION- 27 18 36.72340(N) 080 49 32.52356(W)   ADJUSTED
 AH9321* NAD 83(2011) ELLIP HT-   -17.758 (meters)        (06/27/12)   ADJUSTED
 AH9321* NAD 83(2011) EPOCH   -  2010.00
 AH9321* NAVD 88 ORTHO HEIGHT -     8.911 (meters)       29.24  (feet) ADJUSTED
 AH9321  ______________________________________________________________________
 AH9321  GEOID HEIGHT    -        -26.672 (meters)                     GEOID12B
 AH9321  NAD 83(2011) X  -    904,204.215 (meters)                     COMP
 AH9321  NAD 83(2011) Y  - -5,598,636.648 (meters)                     COMP
 AH9321  NAD 83(2011) Z  -  2,908,790.816 (meters)                     COMP
 AH9321  LAPLACE CORR    -         -2.36  (seconds)                    DEFLEC12B
 AH9321  DYNAMIC HEIGHT  -          8.898 (meters)       29.19  (feet) COMP
 AH9321  MODELED GRAVITY -    979,110.9   (mgal)                       NAVD 88
 AH9321
 AH9321  VERT ORDER      -  FIRST     CLASS II
 AH9321
 AH9321  Network accuracy estimates per FGDC Geospatial Positioning Accuracy
 AH9321  Standards:
 AH9321         FGDC (95% conf, cm)     Standard deviation (cm)     CorrNE
 AH9321            Horiz  Ellip           SD_N   SD_E   SD_h      (unitless)
 AH9321  ------------------------------------------------------------------
 AH9321  NETWORK    1.11   1.51           0.46   0.45   0.77      0.00309100
 AH9321  ------------------------------------------------------------------
 AH9321  Click here for local accuracies and other accuracy information.
 AH9321
 AH9321
 AH9321.The horizontal coordinates were established by GPS observations
 AH9321.and adjusted by the National Geodetic Survey in June 2012.
 AH9321
 AH9321.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
 AH9321.been affixed to the stable North American tectonic plate. See
 AH9321.NA2011 for more information.
 AH9321
 AH9321.The horizontal coordinates are valid at the epoch date displayed above
 AH9321.which is a decimal equivalence of Year/Month/Day.
 AH9321
 AH9321.The orthometric height was determined by differential leveling and
 AH9321.adjusted by the NATIONAL GEODETIC SURVEY
 AH9321.in May 2004.
 AH9321
 AH9321.Significant digits in the geoid height do not necessarily reflect accuracy.
```

AH9321.GEOID12B height accuracy estimate available here.
AH9321
AH9321.Photographs are available for this station.
AH9321
AH9321.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AH9321
AH9321.The Laplace correction was computed from DEFLEC12B derived deflections.
AH9321
AH9321.The ellipsoidal height was determined by GPS observations
AH9321.and is referenced to NAD 83.
AH9321
AH9321.The dynamic height is computed by dividing the NAVD 88
AH9321.geopotential number by the normal gravity value computed on the
AH9321.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AH9321.degrees latitude (g = 980.6199 gals.).
AH9321
AH9321.The modeled gravity was interpolated from observed gravity values.
AH9321
AH9321. The following values were computed from the NAD 83(2011) position.
AH9321
AH9321;   North   East   Units Scale Factor Converg.
AH9321;SPC FL E   -   329,786.184   217,251.307   MT 0.99994485   +0 04 47.9
AH9321;SPC FL E   - 1,081,973.51   712,765.33   sFT 0.99994485   +0 04 47.9
AH9321;UTM 17   - 3,020,805.644   517,245.421   MT 0.99960367   +0 04 47.9
AH9321
AH9321!   - Elev Factor x Scale Factor = Combined Factor
AH9321!SPC FL E   -   1.00000279 x   0.99994485 =   0.99994764
AH9321!UTM 17   -   1.00000279 x   0.99960367 =   0.99960646
AH9321
AH9321:   Primary Azimuth Mark   Grid Az
AH9321:SPC FL E   - OBANNON 2   184 35 04.7
AH9321:UTM 17   - OBANNON 2   184 35 04.7
AH9321
AH9321_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNL1724520805(NAD 83)
AH9321
AH9321|---|
AH9321| PID   Reference Object   Distance   Geod. Az |
AH9321| dddmmss.s |
AH9321| AH9320 OBANNON 2   APPROX. 0.7 KM 1843952.6 |
AH9321|---|
AH9321
AH9321   SUPERSEDED SURVEY CONTROL
AH9321
AH9321 NAD 83(2007)- 27 18 36.72354(N)   080 49 32.52445(W) AD(2002.00) 0
AH9321 ELLIP H (02/10/07) -17.745 (m)   GP(2002.00)
AH9321 NAD 83(1999)- 27 18 36.72310(N)   080 49 32.52531(W) AD(   ) 1
AH9321 ELLIP H (05/31/01) -17.752 (m)   GP(   ) 4 1
AH9321 NAD 83(1990)- 27 18 36.72207(N)   080 49 32.52456(W) AD(   ) 1
AH9321 ELLIP H (06/01/99) -17.711 (m)   GP(   ) 4 1
AH9321 NAVD 88 (06/01/99)   8.9   (m) GEOID96 model used   GPS OBS
AH9321
AH9321.Superseded values are not recommended for survey control.
AH9321
AH9321.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AH9321.See file dsdata.pdf to determine how the superseded data were derived.
AH9321
AH9321_MARKER: F = FLANGE-ENCASED ROD
AH9321_SETTING: 50 = ALUMINUM ALLOY ROD W/O SLEEVE (10 FT.+)
AH9321_STAMPING: O BANNON G.P.S. 1998
AH9321_MARK LOGO: NONE

```
AH9321_PROJECTION: RECESSED 12 CENTIMETERS
AH9321_MAGNETIC: O = OTHER; SEE DESCRIPTION
AH9321_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
AH9321_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AH9321+SATELLITE: SATELLITE OBSERVATIONS - April 29, 2005
AH9321
AH9321  HISTORY     - Date     Condition        Report By
AH9321  HISTORY     - 1998     MONUMENTED       SFLWMD
AH9321  HISTORY     - 20020530 GOOD             FLDEP
AH9321  HISTORY     - 20050429 GOOD             MCKIM
AH9321
AH9321                          STATION DESCRIPTION
AH9321
AH9321'DESCRIBED BY S FL WATER MGMT DIST 1998
AH9321'THE STATION IS ABOUT 4.7 MI (7.6 KM) NORTH OF OKEECHOBEE, 28.1 MI
AH9321'(45.2 KM) EAST SOUTHEAST OF LORIDA, AND 10 MI (16.1 KM) NORTHEAST OF
AH9321'THE KISSIMMEE RIVER CANAL C-38 IN SECTION 27, TOWNSHIP 36 SOUTH, RANGE
AH9321'35 EAST.  TO REACH STATION FROM THE INTERSECTION OF U.S.HIGHWAY 98/441
AH9321'(PARROT AVE) AND U.S.HIGHWAY 98/STATE HIGHWAY 70 (N.PARK ST) IN
AH9321'OKEECHOBEE, GO NORTH ON HIGHWAY 441 FOR 4.6 MI (7.4 KM) TO THE
AH9321'APPARENT NORTH BOUNDARY OF THE ECKERD YOUTH DEVELOPMENT CENTER (STATE
AH9321'FACILITY) LANDS ON RIGHT AND THE STATION, A 5/8-INCH ALUMINUM ROD
AH9321'DRIVEN TO A REPORTED DEPTH OF 27 FT (8.2 M) AND HOUSED INSIDE AN
AH9321'8-INCH PVC PIPE WELL CASING WITH ALUMINUM ACCESS COVER RECESSED 0.4 FT
AH9321'(12.2 CM) BELOW GROUND LEVEL, WITH CONCRETE COLLAR.  TOP OF ROD IS
AH9321'0.21 FT (6.40 CM) BELOW THE LEVEL OF THE ACCESS COVER RIM.  LOCATED
AH9321'63.0 FT (19.2 M) EAST OF CENTERLINE OF U.S.HIGHWAY 441, 371 FT (113.1
AH9321'M) NORTH OF THE NORTH EDGE OF PAVEMENT OF THE NORTHMOST PAVED ENTRANCE
AH9321'DRIVE TO ECKERD YOUTH DEVELOPMENT CENTER, 21.4 FT (6.5 M) SOUTHEAST OF
AH9321'A WOOD CORNER FENCE POST, 94.5 FT (28.8 M) NORTHWEST OF AN 18-INCH
AH9321'FORKED PINE TREE, 8.6 FT (2.6 M) SOUTHWEST OF A NORTHWEST-SOUTHEAST
AH9321'BARBWIRE FENCE AND N.G.S.CARSONITE WITNESS POST. RECOVERABLE WITH
AH9321'MAGNETIC LOCATOR, MAGNETIC SOURCE UNKNOWN.
AH9321
AH9321                          STATION RECOVERY (2002)
AH9321
AH9321'RECOVERY NOTE BY FL DEPT OF ENV PRO 2002 (JLM)
AH9321'RECOVERED AS DESCRIBED.
AH9321'
AH9321
AH9321                          STATION RECOVERY (2005)
AH9321
AH9321'RECOVERY NOTE BY MCKIM AND CREED 2005 (BRH)
AH9321'THE STATION IS LOCATED ABOUT 4.6 MI (7.6 KM) NORTH OF OKEECHOBEE, 38.5
AH9321'MI (62.0 KM) EAST SOUTHEAST OF SEBRING, AND 30.0 MI (48.3 KM) WEST
AH9321'SOUTHWEST OF FORT PIERCE IN SECTION 27, TOWNSHIP 36 SOUTH, RANGE 35
AH9321'EAST.  OWNERSHIP - WILLIAMSON CATTLE COMPANY, P.O. BOX 248,
AH9321'OKEECHOBEE, FLORIDA 34973-0248.
AH9321'
AH9321'TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 98/441 AND
AH9321'U.S. HIGHWAY 98/STATE HIGHWAY 70 IN OKEECHOBEE, GO NORTH ON HIGHWAY
AH9321'441 FOR 4.6 MI (7.4 KM) TO THE APPARENT NORTH BOUNDARY OF THE ECKERD
AH9321'YOUTH DEVELOPMENT CENTER (STATE FACILITY) LANDS ON RIGHT AND STATION.
AH9321'
AH9321'THE STATION IS A 5/8-INCH (13 CM) ALUMINUM ROD HOUSED INSIDE A 6-INCH
AH9321'(15 CM) PVC PIPE WELL CASING WITH ALUMINUM ACCESS COVER RECESSED 0.4
AH9321'FT (12.2 CM) BELOW GRADE.  TOP OF ROD IS 0.21 FT (6.40 CM) BELOW THE
AH9321'LEVEL OF THE ACCESS COVER RIM.  LOCATED 63.0 FT (19.2 M) EAST OF THE
AH9321'CENTERLINE OF U.S. HIGHWAY 441, 370 FT (112.8 M) NORTH OF THE NORTH
AH9321'EDGE OF PAVEMENT OF THE NORTH MOST ENTRANCE DRIVE TO ECKERD YOUTH
```

AH9321'DEVELOPMENT CENTER, 21.4 FT (6.5 M) SOUTHEAST OF A WOOD CORNER FENCE
AH9321'POST, 8.6 FT (2.6 M) SOUTHWEST OF A NORTHWEST-SOUTHEAST BARBWIRE FENCE
AH9321'AND N.G.S. CARSONITE POST. RECOVERABLE WITH A MAGNETIC LOCAT0R,
AH9321'MAGNETIC SOURCE UNKNOWN.

*** retrieval complete.
Elapsed Time = 00:00:03

The NGS Data Sheet

See file dsdata.pdf for more information about the datasheet.

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PROGRAM = datasheet95, VERSION = 8.12.1
1         National Geodetic Survey,   Retrieval Date = JUNE  6, 2017
 AH9320 ***********************************************************************
 AH9320  DESIGNATION -  OBANNON 2
 AH9320  PID         -  AH9320
 AH9320  STATE/COUNTY-  FL/OKEECHOBEE
 AH9320  COUNTRY     -  US
 AH9320  USGS QUAD   -  TAYLOR CREEK SE (1972)
 AH9320
 AH9320                        *CURRENT SURVEY CONTROL
 AH9320  ______________________________________________________________________
 AH9320* NAD 83(2011) POSITION- 27 18 15.51763(N) 080 49 34.46045(W)   ADJUSTED
 AH9320* NAD 83(2011) ELLIP HT-   -18.196 (meters)        (06/27/12)   ADJUSTED
 AH9320* NAD 83(2011) EPOCH   -  2010.00
 AH9320* NAVD 88 ORTHO HEIGHT -     8.478 (meters)       27.81  (feet) ADJUSTED
 AH9320  ______________________________________________________________________
 AH9320  GEOID HEIGHT    -        -26.674 (meters)                     GEOID12B
 AH9320  NAD 83(2011) X  -    904,199.320 (meters)                     COMP
 AH9320  NAD 83(2011) Y  - -5,598,940.365 (meters)                     COMP
 AH9320  NAD 83(2011) Z  -  2,908,210.641 (meters)                     COMP
 AH9320  LAPLACE CORR    -         -2.33  (seconds)                    DEFLEC12B
 AH9320  DYNAMIC HEIGHT  -          8.465 (meters)       27.77  (feet) COMP
 AH9320  MODELED GRAVITY -    979,109.2   (mgal)                       NAVD 88
 AH9320
 AH9320  VERT ORDER      -  FIRST     CLASS II
 AH9320
 AH9320  Network accuracy estimates per FGDC Geospatial Positioning Accuracy
 AH9320  Standards:
 AH9320         FGDC (95% conf, cm)     Standard deviation (cm)     CorrNE
 AH9320            Horiz  Ellip           SD_N   SD_E   SD_h      (unitless)
 AH9320  ------------------------------------------------------------------
 AH9320  NETWORK    1.04   1.39           0.44   0.41   0.71      0.05484305
 AH9320  ------------------------------------------------------------------
 AH9320  Click here for local accuracies and other accuracy information.
 AH9320
 AH9320
 AH9320.The horizontal coordinates were established by GPS observations
 AH9320.and adjusted by the National Geodetic Survey in June 2012.
 AH9320
 AH9320.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
 AH9320.been affixed to the stable North American tectonic plate. See
 AH9320.NA2011 for more information.
 AH9320
 AH9320.The horizontal coordinates are valid at the epoch date displayed above
 AH9320.which is a decimal equivalence of Year/Month/Day.
 AH9320
 AH9320.The orthometric height was determined by differential leveling and
 AH9320.adjusted by the NATIONAL GEODETIC SURVEY
 AH9320.in May 2004.
 AH9320
 AH9320.Significant digits in the geoid height do not necessarily reflect accuracy.
```

AH9320.GEOID12B height accuracy estimate available here.
AH9320
AH9320.Photographs are available for this station.
AH9320
AH9320.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AH9320
AH9320.The Laplace correction was computed from DEFLEC12B derived deflections.
AH9320
AH9320.The ellipsoidal height was determined by GPS observations
AH9320.and is referenced to NAD 83.
AH9320
AH9320.The dynamic height is computed by dividing the NAVD 88
AH9320.geopotential number by the normal gravity value computed on the
AH9320.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AH9320.degrees latitude (g = 980.6199 gals.).
AH9320
AH9320.The modeled gravity was interpolated from observed gravity values.
AH9320
AH9320. The following values were computed from the NAD 83(2011) position.
AH9320

		North	East	Units	Scale Factor	Converg.
AH9320;SPC FL E	-	329,133.431	217,198.964	MT	0.99994483	+0 04 46.9
AH9320;SPC FL E	-	1,079,831.93	712,593.60	sFT	0.99994483	+0 04 46.9
AH9320;UTM 17	-	3,020,153.114	517,193.096	MT	0.99960365	+0 04 46.9

AH9320

		Elev Factor	x	Scale Factor	=	Combined Factor
AH9320!SPC FL E	-	1.00000286	x	0.99994483	=	0.99994769
AH9320!UTM 17	-	1.00000286	x	0.99960365	=	0.99960651

AH9320

		Primary Azimuth Mark	Grid Az
AH9320:SPC FL E	-	OBANNON	004 35 04.8
AH9320:UTM 17	-	OBANNON	004 35 04.8

AH9320
AH9320_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNL1719320153(NAD 83)
AH9320

PID	Reference Object	Distance	Geod. Az dddmmss.s
AH9320 AH9321	OBANNON	APPROX. 0.7 KM	0043951.7

AH9320
AH9320 SUPERSEDED SURVEY CONTROL
AH9320

AH9320 NAD 83(2007)-	27 18 15.51776(N)	080 49 34.46132(W)	AD(2002.00)	0
AH9320 ELLIP H (02/10/07)	-18.183 (m)		GP(2002.00)	
AH9320 NAD 83(1999)-	27 18 15.51734(N)	080 49 34.46219(W)	AD( )	1
AH9320 ELLIP H (05/31/01)	-18.188 (m)		GP( )	4 1
AH9320 NAD 83(1990)-	27 18 15.51630(N)	080 49 34.46136(W)	AD( )	1
AH9320 ELLIP H (06/01/99)	-18.156 (m)		GP( )	4 1
AH9320 NAVD 88 (06/01/99)	8.5 (m)	GEOID96 model used	GPS OBS	

AH9320
AH9320.Superseded values are not recommended for survey control.
AH9320
AH9320.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AH9320.See file dsdata.pdf to determine how the superseded data were derived.
AH9320
AH9320_MARKER: F = FLANGE-ENCASED ROD
AH9320_SETTING: 50 = ALUMINUM ALLOY ROD W/O SLEEVE (10 FT.+)
AH9320_STAMPING: O BANNON 2 G.P.S. 1998
AH9320_MARK LOGO: NONE

AH9320_PROJECTION: RECESSED 7 CENTIMETERS
AH9320_MAGNETIC: O = OTHER; SEE DESCRIPTION
AH9320_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
AH9320_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AH9320+SATELLITE: SATELLITE OBSERVATIONS - April 29, 2005
AH9320
AH9320 HISTORY - Date Condition Report By
AH9320 HISTORY - 1998 MONUMENTED SFLWMD
AH9320 HISTORY - 20020530 GOOD FLDEP
AH9320 HISTORY - 20050429 GOOD MCKIM
AH9320
AH9320 STATION DESCRIPTION
AH9320
AH9320'DESCRIBED BY S FL WATER MGMT DIST 1998
AH9320'STATION IS ABOUT 4.3 MI (6.9 KM) NORTH OF OKEECHOBEE, 28.2 MI (45.4
AH9320'KM) EAST SOUTHEAST OF LORIDA, 10 MI (16.1 KM) NORTHEAST OF THE
AH9320'KISSIMMEE RIVER CANAL C-38, IN SECTION 27, TOWNSHIP 36 SOUTH, RANGE 35
AH9320'EAST. TO REACH STATION FROM THE INTERSECTION OF U.S.HIGHWAY 98/441
AH9320'(PARROT AVE) AND U.S.HIGHWAY 98/STATE HIGHWAY 70 (N.PARK ST) IN
AH9320'OKEECHOBEE, GO NORTH ON HIGHWAY 441 FOR 4.25 MI (6.84 KM) TO
AH9320'SOUTH-MOST PAVED DELIVERY ENTRANCE DRIVE TO ECKERD YOUTH DEVELOPMENT
AH9320'CENTER (STATE FACILITY) ON RIGHT AND STATION, A 5/8-INCH ALUMINUM ROD
AH9320'DRIVEN TO A REPORTED DEPTH OF 31.5 FT (9.6 M) AND HOUSED INSIDE AN
AH9320'8-INCH PVC PIPE WELL CASING WITH ALUMINUM ACCESS COVER RECESSED 0.35
AH9320'FT (10.67 CM) BELOW GROUND LEVEL, WITH CONCRETE COLLAR. TOP OF ROD IS
AH9320'0.25 FT (7.62 CM) BELOW THE LEVEL OF THE ACCESS COVER RIM. LOCATED
AH9320'97.0 FT (29.6 M) EAST OF CENTERLINE OF U.S.HIGHWAY 441, 14.0 FT (4.3
AH9320'M) SOUTH OF THE CENTERLINE OF THE PAVED DELIVERY ENTRANCE DRIVE
AH9320'LEADING EASTERLY, SOUTHEAST OF A METAL GATE ACROSS THE DRIVE AND 37.3
AH9320'FT (11.4 M) EAST OF THE SOUTH 3 FT (0.9 M) HIGH STEEL GATE POST, 3.5
AH9320'FT (1.1 M) SOUTH OF THE SOUTH EDGE OF PAVED DRIVE, 67.3 FT (20.5 M)
AH9320'NORTH OF A 4-INCH PIPE VENT AT THE NORTHEAST CORNER OF A LIFT STATION,
AH9320'40.8 FT (12.4 M) NORTH OF A N.G.S. CARSONITE WITNESS POST ADJACENT TO
AH9320'A POWER POLE WITH 3 TRANSFORMERS AND LAMP ATTACHED. RECOVERABLE WITH
AH9320'MAGNETIC LOCATOR, MAGNETIC SOURCE UNKNOWN.
AH9320
AH9320 STATION RECOVERY (2002)
AH9320
AH9320'RECOVERY NOTE BY FL DEPT OF ENV PRO 2002 (JLM)
AH9320'RECOVERED AS DESCRIBED.
AH9320'
AH9320
AH9320 STATION RECOVERY (2005)
AH9320
AH9320'RECOVERY NOTE BY MCKIM AND CREED 2005 (BRH)
AH9320'THE STATION IS LOCATED ABOUT 4.2 MI (6.8 KM) NORTH OF OKEECHOBEE, 38.5
AH9320'MI (62.0 KM) EAST SOUTHEAST OF SEBRING, AND 30.2 MI (48.6 KM) WEST
AH9320'SOUTHWEST OF FORT PIERCE IN SECTION 27, TOWNSHIP 36 SOUTH, RANGE 35
AH9320'EAST.
AH9320'
AH9320'TO REACH THE STATION FROM THE INTERSECTION OF U.S HIGHWAY 98/441 AND
AH9320'U.S. HIGHWAY 98/STATE HIGHWAY 70 IN OKEECHOBEE, GO NORTH ON HIGHWAY
AH9320'441 FOR 4.25 MI (6.84 KM) TO SOUTH MOST PAVED DELIVERY ENTRANCE DRIVE
AH9320'TO ECKERD YOUTH DEVELOPMENT CENTER (STATE FACILITY) ON RIGHT AND
AH9320'STATION.
AH9320'
AH9320'THE STATION IS A 5/8-INCH (13 CM) ALUMINUM ROD HOUSED INSIDE A 6-INCH
AH9320'(15 CM) PVC PIPE WELL CASING WITH ALUMINUM ACCESS COVER RECESSED 0.25
AH9320'FT (7.6 CM) BELOW GRADE. TOP OF ROD IS 0.25 FT (7.62 CM) BELOW THE
AH9320'LEVEL OF THE ACCESS COVER RIM. LOCATED 97.0 FT (29.6 M) EAST OF THE

AH9320'CENTERLINE OF U.S. HIGHWAY 441, 14.0 FT (4.3 M) SOUTH OF THE
AH9320'CENTERLINE OF THE PAVED DELIVERY ENTRANCE DRIVE LEADING EASTERLY, 67.3
AH9320'FT (20.5 M) NORTH OF A 4-INCH (10 CM) PIPE VENT AT THE NORTHEAST
AH9320'CORNER OF A LIFT STATION, AND 40.8 FT (12.4 M) NORTH OF A N.G.S.
AH9320'CARSONITE WITNESS POST. RECOVERABLE WITH MAGNETIC LOCATOR, MAGNETIC
AH9320'SOURCE UNKNOWN.
AH9320'
AH9320'OWNERSHIP - TIITF/HRS-YOUTH SERVICE, 7200 HIGHWAY 441 NORTH,
AH9320'OKEECHOBEE, FLORIDA 34973.

*** retrieval complete.
Elapsed Time = 00:00:02

Project Information		Coordinate System	
Name:		Name:	Default
Size:		Datum:	WGS 1984
Modified:	2/15/2012 8:48:57 AM (UTC:-7)	Zone:	Default
Time zone:	Mountain Standard Time	Geoid:	
Reference number:		Vertical datum:	
Description:			

Level Report

Imported file: WLNB1.DAT
Instrument: DiNi
Standard error per kilometer of double leveling: 0.00230 ft
Standard error per turn/station setup: 0.00000 ft
Creation option: Delta elevations
Description usage: Feature codes

Run - 1 Raw Observations

Raw Misclosure: 0.00100 ft
Σ BS Distances: 7227.770 ft
Σ FS Distances: 7110.110 ft
Run Length: 14337.880 ft
Reduction: Adjusted Values

Create	Point ID	BS	IS	FS	Δ Elevation	Raw Elevation	Correction	Adj. Elevation	Type	Distance	Description
☑	1	☑ 5.10700 ft			0.00000 ft	29.246 ft	0.00000 ft	29.246 ft	Benchmark	203.020 ft	OBANN 3
☐	2			☑ 3.81700 ft	1.29000 ft	30.536 ft	-0.00092 ft	30.535 ft	Computed	188.940 ft	3
	2	☑ 1.65800 ft								206.040 ft	3
☐	3			☑ 5.02500 ft	-3.36700 ft	27.169 ft	-0.00194 ft	27.167 ft	Computed	205.640 ft	3
	3	☑ 5.85400 ft								200.690 ft	3
☐	4			☑ 3.54300 ft	2.31100 ft	29.480 ft	-0.00292 ft	29.477 ft	Computed	203.350 ft	3
	4	☑ 5.15400 ft								209.650 ft	3
☐	5			☑ 6.73000 ft	-1.57600 ft	27.904 ft	-0.00389 ft	27.900 ft	Computed	192.220 ft	3
	5	☑ 4.96000 ft								205.250 ft	3
☐	6			☑ 5.25000 ft	-0.29000 ft	27.614 ft	-0.00490 ft	27.609 ft	Computed	203.610 ft	3
		☑ 3.71000									

	6	ft								62.200 ft	3
☐	7			☑ 3.50400 ft	0.20600 ft	27.820 ft	-0.00500 ft	27.815 ft ⚠	Benchmark	67.550 ft	OBAN2 3
	7	☑ 4.85600 ft								202.070 ft	OBAN2 3
☐	8			☑ 4.53300 ft	0.32300 ft	28.143 ft	-0.00453 ft	28.138 ft	Computed	199.610 ft	3
	8	☑ 4.64000 ft								219.950 ft	3
☐	9			☑ 5.63600 ft	-0.99600 ft	27.147 ft	-0.00402 ft	27.143 ft	Computed	197.050 ft	3
	9	☑ 4.10400 ft								204.330 ft	3
☐	10			☑ 5.03900 ft	-0.93500 ft	26.212 ft	-0.00359 ft	26.208 ft	Computed	182.320 ft	3
	10	☑ 4.80400 ft								205.020 ft	3
☐	11			☑ 4.70100 ft	0.10300 ft	26.315 ft	-0.00310 ft	26.312 ft	Computed	204.170 ft	3
	11	☑ 4.83200 ft								207.410 ft	3
☐	12			☑ 5.05900 ft	-0.22700 ft	26.088 ft	-0.00260 ft	26.085 ft	Computed	205.640 ft	3
	12	☑ 4.96700 ft								206.630 ft	3
☐	13			☑ 5.28900 ft	-0.32200 ft	25.766 ft	-0.00213 ft	25.764 ft	Computed	197.510 ft	3
	13	☑ 5.33000 ft								212.470 ft	3
☐	14			☑ 4.04500 ft	1.28500 ft	27.051 ft	-0.00165 ft	27.049 ft	Computed	191.270 ft	3
	14	☑ 5.38500 ft								201.640 ft	3
☐	15			☑ 4.85300 ft	0.53200 ft	27.583 ft	-0.00117 ft	27.582 ft	Computed	204.200 ft	3
	15	☑ 4.61000 ft								199.840 ft	3
☐	16			☑ 4.46800 ft	0.14200 ft	27.725 ft	-0.00070 ft	27.724 ft	Computed	204.820 ft	3
	16	☑ 4.52400 ft								207.480 ft	3
☐	17			☑ 4.71900 ft	-0.19500 ft	27.530 ft	-0.00020 ft	27.530 ft	Computed	203.510 ft	3
	17	☑ 4.64800 ft								206.790 ft	3
☐	18			☑ 4.39400 ft	0.25400 ft	27.784 ft	0.00028 ft	27.784 ft	Computed	200.690 ft	3
	18	☑ 4.33300 ft								209.550 ft	3

☐	19			✓ 4.45200 ft	-0.11900 ft	27.665 ft	0.00077 ft	27.666 ft	Computed	202.620 ft	3
	19	✓ 4.78100 ft								207.020 ft	3
☐	20			✓ 4.89800 ft	-0.11700 ft	27.548 ft	0.00127 ft	27.549 ft	Computed	204.760 ft	3
	20	✓ 2.91800 ft								185.200 ft	3
☐	21			✓ 5.32400 ft	-2.40600 ft	25.142 ft	0.00170 ft	25.144 ft	Computed	200.390 ft	3
	21	✓ 3.06300 ft								161.350 ft	3
☐	22			✓ 2.80700 ft	0.25600 ft	25.398 ft	0.00200 ft	25.400 ft ⚠	Benchmark	158.660 ft	S390 3
	22	✓ 4.78100 ft								24.380 ft	S390 3
☐	23			✓ 4.88500 ft	-0.10400 ft	25.294 ft	0.00600 ft	25.300 ft ⚠	Benchmark	24.930 ft	ARTH 3
	23	✓ 2.08900 ft								205.280 ft	ARTH 3
☐	24			✓ 4.05700 ft	-1.96800 ft	23.326 ft	0.00552 ft	23.332 ft	Computed	201.440 ft	3
	24	✓ 6.30600 ft								201.310 ft	3
☐	25			✓ 5.91200 ft	0.39400 ft	23.720 ft	0.00505 ft	23.725 ft	Computed	199.340 ft	3
	25	✓ 4.50000 ft								204.760 ft	3
☐	26			✓ 4.37500 ft	0.12500 ft	23.845 ft	0.00456 ft	23.850 ft	Computed	203.280 ft	3
	26	✓ 5.91000 ft								201.150 ft	3
☐	27			✓ 6.48700 ft	-0.57700 ft	23.268 ft	0.00408 ft	23.272 ft	Computed	202.590 ft	3
	27	✓ 5.38700 ft								194.590 ft	3
☐	28			✓ 4.49700 ft	0.89000 ft	24.158 ft	0.00360 ft	24.162 ft	Computed	209.050 ft	3
	28	✓ 4.26200 ft								204.790 ft	3
☐	29			✓ 4.46200 ft	-0.20000 ft	23.958 ft	0.00313 ft	23.961 ft	Computed	195.080 ft	3
	29	✓ 4.86700 ft								199.080 ft	3
☐	30			✓ 4.93900 ft	-0.07200 ft	23.886 ft	0.00267 ft	23.889 ft	Computed	198.790 ft	3
	30	✓ 4.76100 ft								135.500 ft	3
☐	31			✓ 4.93800 ft	-0.17700 ft	23.709 ft	0.00245 ft	23.711 ft	Computed	142.060 ft	WLNB 3

	31	✓ 4.82500 ft								135.140 ft	WLNB 3
☐	32			✓ 4.64900 ft	0.17600 ft	23.885 ft	0.00222 ft	23.887 ft	Computed	142.360 ft	3
	32	✓ 4.79200 ft								198.980 ft	3
☐	33			✓ 4.70200 ft	0.09000 ft	23.975 ft	0.00175 ft	23.977 ft	Computed	199.570 ft	3
	33	✓ 4.45500 ft								196.290 ft	3
☐	34			✓ 4.22100 ft	0.23400 ft	24.209 ft	0.00128 ft	24.210 ft	Computed	204.490 ft	3
	34	✓ 4.40100 ft								208.960 ft	3
☐	35			✓ 5.50900 ft	-1.10800 ft	23.101 ft	0.00081 ft	23.102 ft	Computed	194.880 ft	3
	35	✓ 6.66200 ft								202.590 ft	3
☐	36			✓ 5.78900 ft	0.87300 ft	23.974 ft	0.00033 ft	23.974 ft	Computed	199.610 ft	3
	36	✓ 4.23200 ft								203.740 ft	3
☐	37			✓ 4.48800 ft	-0.25600 ft	23.718 ft	-0.00015 ft	23.718 ft	Computed	203.020 ft	3
	37	✓ 5.74700 ft								200.430 ft	3
☐	38			✓ 6.01500 ft	-0.26800 ft	23.450 ft	-0.00064 ft	23.449 ft	Computed	206.790 ft	3
	38	✓ 3.89200 ft								187.200 ft	3
☑	39			✓ 1.94100 ft	1.95100 ft	25.401 ft	-0.00100 ft	25.400 ft ⚠	Benchmark	164.300 ft	S390 3

Run - 1 (N2) Reduced Observations

Observation	Status	Raw Δ Elevation	Correction	Final Δ Elevation	Setups	Length	Σ BS Readings	Σ FS Readings	Std. Error
1-39 (E2)	Enabled	-3.84500 ft	-0.00100 ft	-3.84600 ft	38	14337.880 ft	176.10700 ft	179.95200 ft	0.06188 ft

Run - 1 (N2) Reduced Coordinates

Point ID	Status	Elevation
1	Enabled	29.24600 ft
39	Enabled	25.40000 ft

Date: 6/6/2017 8:28:36 AM	Project:	Trimble Business Center

Office

Project

6 June 2017

INPUT	OUTPUT
State Plane, flhpgn - Florida HPGN	Geographic, flhpgn - Florida HPGN
0901 - Florida East, U.S. Feet	Vertical - NGVD29 (Custom), U.S. Feet
Vertical - NAVD88, U.S. Feet	

WLNB

1/1

Northing/Y: 1086012.415
Easting/X: 707691.680
Elevation/Z: 0
Convergence: 0 04 22.20908
Scale Factor: 0.999944220
Combined Factor: 0.999948396

Latitude: 27 19 16.78791
Longitude: 80 50 28.71508
Elevation/Z: 1.243

Remark:

Corpscon v6.0.1, U.S. Army Corps of Engineers

sfwmd.gov

DBHYDRO | by station

STATION INFORMATION

Station	ARS B0
Site	WLNB
Type	WELL
Latitude (ddmmss.sss)	271913.153
Longitude (ddmmss.sss)	805029.206
X Coord (ft) NAD83	707647.878
Y Coord (ft) NAD83	1085645.308
County	Okeechobee
Basin	S191
Section	21
Township	36
Range	35
Show Map	Google Map
Well Info	Info
Description	TAYLOR CREEK - WELL LINE B 0
Notes	
Nearby Stations	Nearby Stations
Attachments	None Available

Query returned 1 station record(s).

Get Time Series Data

SFWMD Headquarters: 3301 Gun Club Road, West Palm Beach, Florida 33406
561-686-8800 | 1-800-432-2045 (Florida Only)

REGISTRATION WORKSHEET - WLNB Addendum

Site Name: **WLNB** Today's Date: **6/12/2017** Type Recorder: **CR1000**

Activity: **Addendum** Effective Date: Start Date of Data :

Customer: **Steve Krupa** Bus. Area: **5720** Agency: **SFWMD** Internal Order: Fund:

Project Manager: **Howard Ehmke** Bus. Area: **Survey & Mapping** Agency: **SFWMD** Contract #:

Project Name: Legal Mandate:

Short Common Name / Description:	
Proj. Mgr. Notes:	This addendum was performed to add NAVD 88 surveying data for the reference elevation. To convert to NGVD 29 add +1.243ft.
Site Directions:	From the Okeechobee Field Station drive north on US441 approximately 3 miles to CR50 (across from the fire tower.) Turn west on CR-50 and drive for approximately 3 miles to a gate on the east side of CR-50 (Bradford Bulls.) After passing through the gate drive east for approximately 200' and then bear right through a stand of pine trees. After passing through a second gate continue through a second stand of pine trees; the site is approximately 100 yards east of the
Site Address (if any):	

Transportation: 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: **23.711** Date: **12/13/2006** Stamp: **WLNB**

Agency: **SFWMD** Type: **BRASS** Datum: NAVD 88

Benchmark Location/ Description	Marker is a 3-1/2-inch brass disk, stamped "WLNB 2007" on the wells concrete collar.

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
GW1	WLNB	26.67	6/12/2017	26.67		24.1	23.711	NAVD 88	Rim of well pipe

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								

COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin		County	Description
GW1	27 19 16.79	80 50 28.72			21	36	34				Okeechobee	