



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

SCADA RTU Station Name: C43222A C43222B	DB Hydro Station Name: C43222G1 C43222G2	DB Hydro Site Name: C43222	Agency: S.F.W.M.D	Date of Field Work: 6/13/2019
Party Chief: EBANKS	Field Book: SCADA FB#13	Page(s): 35	Prepared by: E. Ebanks	

SITE SPECIFIC DATA

Site Benchmark(s): PZ222 2016 PZ222B 2018	Benchmark Elevation(s) (NAVD88) 27.56 feet 26.65 feet	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) +1.26 feet
Reference Elevation(s) (NAVD88): C43222A = 30.76 feet C43222B = 30.79 feet	Calibration Port Elevation(s) (NAVD88): N/A	
Ground Elevation (NAVD88): 27.2 feet	Pad Elevation (NAVD88): 27.51 feet	

GEOGRAPHIC DATA

Section 23		Township 44 South	Range 28 East
Well(s)	Gate(s)	Latitude: C43222A 26°38'10.3" C43222B 26°38'10.2"	Longitude: C43222A -81°29'34.7" C43222B -81°29'34.7"
Benchmark(s)		State Plane Coordinates	Source: Scaled pick point aerial esri product
		Northing (Y) = N/A	Easting (X) = N/A

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)

Benchmark "PZ222 2016"
Latitude: 26°38'10.2"
Longitude: -81°29'34.8"
El. 27.56 feet NAVD88

C43222A
Latitude: 26°38'10.3"
Longitude: -81°29'34.7"

C43222B
Latitude: 26°38'10.2"
Longitude: -81°29'34.7"

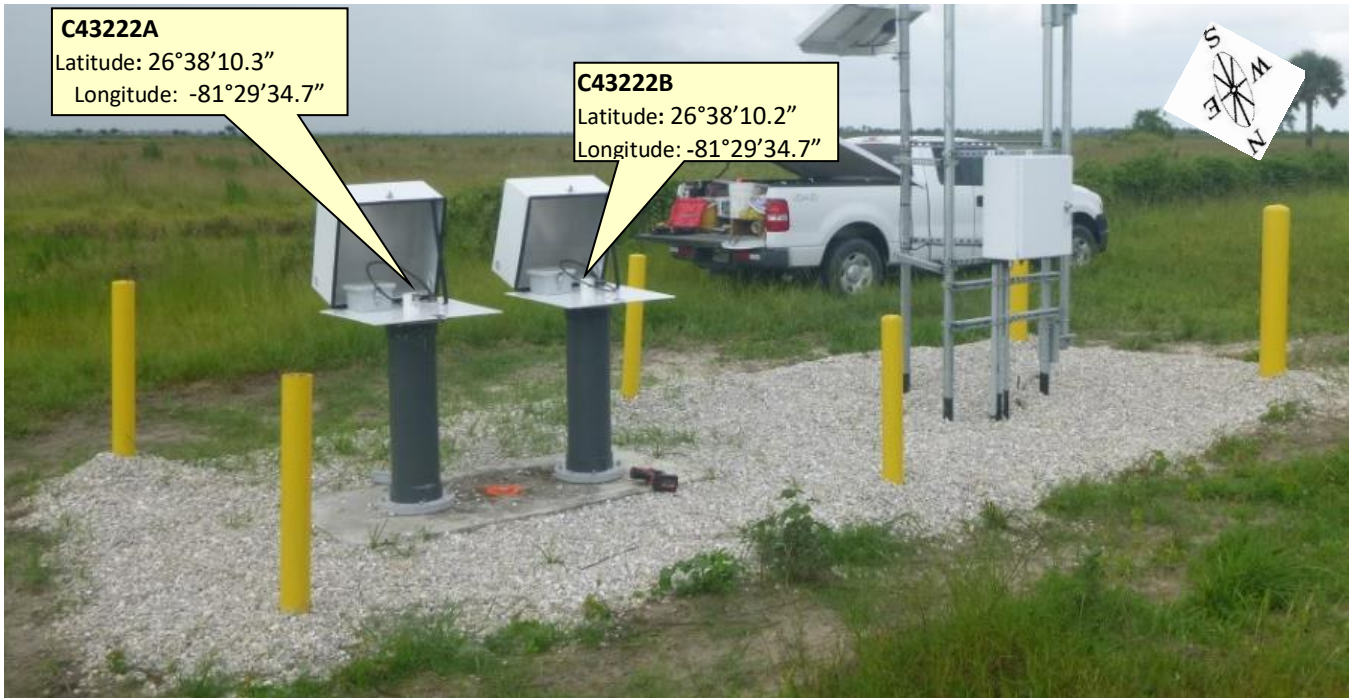
Benchmark "PZ222B 2018"
Latitude: 26°38'10.1"
Longitude: -81°29'34.2"
El. 26.65 feet NAVD88



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C43222 Piezometer Well Site



C43222A
Latitude: 26°38'10.3"
Longitude: -81°29'34.7"

C43222B
Latitude: 26°38'10.2"
Longitude: -81°29'34.7"



C43222A
Latitude: 26°38'10.3"
Longitude: -81°29'34.7"

C43222B
Latitude: 26°38'10.2"
Longitude: -81°29'34.7"



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C43222 Piezometer Wells



C43222A
Reference Point Elev.
= 30.76 (NAVD88)

RTU C43222A GW
STN C43222G1
ELEV 30.76 NAVD88
DATE 6 13 19
BY EE RH
OFFSET +1.26



C43222B
Reference Point Elev.
= 30.79 (NAVD88)

RTU C43222B GW
STN C43222G2
ELEV 30.79 NAVD88
DATE 6 13 19
BY EE RH
OFFSET +1.26



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"C43222 2016" Benchmark Location
Benchmark: El. 27.56 feet (NAVD88)



Benchmark "PZ222 2016"
Latitude: 26°38'10.2"
Longitude: -81°29'34.8"
El. 27.56 feet NAVD88



Benchmark "PZ222 2016"
Latitude: 26°38'10.2"
Longitude: -81°29'34.8"
El. 27.56 feet NAVD88



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"C43222B 2018" Benchmark Location
Benchmark: El. 26.65 feet (NAVD88)



Benchmark "PZ222B 2018"
Latitude: 26°38'10.1"
Longitude: -81°29'34.2"
El. 26.65 feet NAVD88



Benchmark "PZ222B 2018"
Latitude: 26°38'10.1"
Longitude: -81°29'34.2"
El. 26.65 feet NAVD88



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"PZ222 2016" Benchmark Datasheet (1 of 1)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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DESIGNATION: PZ 222		PROJECT: C-43 VERTICAL CONTROL SURVEY FOR PIEZOMETER WELLS	
ESTABLISHED BY: J. HAYWOOD		SURVEYOR: SCOTT URQUHART	
RECOVERED BY		DATE: MARCH 15, 2018	
GEOGRAPHIC POSITION			
SECTION: 23	TOWNSHIP: 44 SOUTH	RANGE: 28 EAST	
COUNTY: HENDRY	NAME OF QUADRANGLE: ALVA		
GEOGRAPHIC INDEX OF QUAD:			
HORIZONTAL DATUM: 1927 <input checked="" type="radio"/> 1983 Other _____ (circle one) ZONE <input checked="" type="radio"/> E or W			
VERTICAL DATUM: MSL 1929 <input checked="" type="radio"/> 1988 Other N/A (circle one)			
CONTROL ACCURACY: HORIZONTAL 1 2 <input checked="" type="radio"/> _____ (circle one) VERTICAL 1 2 <input checked="" type="radio"/> N/A			
STATE PLANE COORDINATES	X = 495129.3	Y = 837232.8	NAVD 88 ELEV. 27.56' NGVD 29 ELEV. 28.82'
LATITUDE = N26° 38' 10.23"		LONGITUDE = W81° 29' 34".72"	
RECOVERY DESCRIPTION			
Stamping: SET ALUMINIUM DISK SO. FLA. WATER MANAGEMENT DIST. "BM PZ 222 2016"			
To Reach: To reach the station from the intersection of Cowboy Way and Highway 29 go South down Highway 29 for 7.6 miles to the entrance of Duda Farms on the right. Go west through entrance for 200 feet when the road turns North. Continue North for 150 feet to the guard shack. The road turns from pavement to dirt. Continue North for 0.20 miles where the road turns West. Go West 1.90 miles to a junction of a North – South dirt road. Go North 0.40 miles to junction of dirt road running West. Go West 1.7 miles to a North – South canal. Go South along the West bank of the North – South canal 0.75 miles. The maeks are on the right.			
Notable Land marks: PZ 222, is an aluminum disk (found) set in concrete slab between two wells. It is 39 feet south of the top of back of the East – West running canal. 32.50 feet North of the East – West barbed wire fence. 5.60 feet Southwest of the Northeast bollard surrounding the wells.			
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"PZ222B 2018" Benchmark Datasheet (1 of 1)



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DESIGNATION: PZ 222B		PROJECT: C-43 VERTICAL CONTROL SURVEY FOR PIEZOMETER WELLS	
ESTABLISHED BY: J. HAYWOOD		SURVEYOR: SCOTT URQUHART	
RECOVERED BY		DATE: MARCH 15, 2018	
GEOGRAPHIC POSITION			
SECTION: 23	TOWNSHIP: 44 SOUTH	RANGE: 28 EAST	
COUNTY: HENDRY	NAME OF QUADRANGLE: ALVA		
GEOGRAPHIC INDEX OF QUAD:			
HORIZONTAL DATUM: 1927 (1983) Other _____ (circle one) ZONE (E) or W			
VERTICAL DATUM: MSL 1929 (1988) Other N/A (circle one)			
CONTROL ACCURACY: HORIZONTAL 1 2 (3) _____ (circle one) VERTICAL 1 2 (3) N/A			
STATE PLANE COORDINATES	X = 495174.4	Y = 837206.5	NAVD 88 ELEV. 26.65' NGVD 29 ELEV. 27.91'
LATITUDE = N26° 38' 09.97"		LONGITUDE = W81° 29' 34.22"	
RECOVERY DESCRIPTION			
Stamping: POURED IN PLACE CONCRETE MONUMENT WITH ALUMINIUM DISK SO. FLA. WATER MANAGEMENT DIST "PZ 222B LB 7975 2018"			
To Reach: To reach the station from the intersection of Cowboy Way and Highway 29 go South down Highway 29 for 7.6 miles to the entrance of Duda Farms on the right. Go west through entrance for 200 feet when the road turns North. Continue North for 150 feet to the guard shack. The road turns from pavement to dirt. Continue North for 0.20 miles where the road turns West. Go West 1.90 miles to a junction of a North – South dirt road. Go North 0.40 miles to junction of dirt road running West. Go West 1.7 miles to a North – South canal. Go South along the West bank of the North – South canal 0.75 miles. The maeks are on the right.			
Notable Land marks: : PZ 222 B, is an aluminum disk set in a poured in place concrete post. It is 46.20 feet Southeast of the Southeast bollard around the wells. 42.50 feet Northwest of East gate post. 1.50 feet North of fence corner and carsonite post.			
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C43222 Field Notes (1 of 1)

35 SCADA FB#13 6-13-19
 SEC. 23 TWP 44 R9C 28 Ebanks
 Hudson
 Establish REF. Elev for Gw well @ C-43
 For well C43P2222

STA	+	+-1	-	Elev	Remarks
BMP2222	4.98	32.54		27.56	
Ref A			1.78	30.76	
Ref B			1.75	30.79	
NE COR PAD			5.04	27.50	
NW " "			5.04	27.50	
SE " "			5.02	27.52	
SW " "			5.02	27.52	
N BOUND			5.4	27.1	
S "			5.3	27.2	
E "			5.2	27.3	
W "			5.2	27.3	
Bw P2222 B			5.89	24.65	26.65

REVISED LEVELS

	6.02	32.67			
Ref A			1.91	30.76	
Ref B			1.88	30.79	
Bw P2222			5.11	27.50	27.56