



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

SCADA RTU Station Name: SNELLE	DB Hydro Station Name: POS-16	DB Hydro Site Name: SNELLE	Agency: S.F.W.M.D	Date of Field Work: 03/21/2019
Party Chief: EBANKS	Field Book: SCADA FB#13	Page(s): 23	Prepared by: A.Schauer	

SITE SPECIFIC DATA

Site Benchmark(s): POS-16	Benchmark Elevation(s) (NAVD88) 75.19 feet	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) +0.94 feet
Reference Elevation(s) (NAVD88): SNELLE = 78.98 feet		Calibration Port Elevation(s) (NAVD88): N/A
Ground Elevation (NAVD88): 75.1 feet (Avg.)		Pad Elevation (NAVD88): 75.2 feet (Avg.)

GEOGRAPHIC DATA

Section 18		Township 27 South	Range 28 East
Well(s) Gate(s)	Latitude: 28°08'0.8"	Longitude: 81°32'38.4"	Source: Scaled pick point aerial esri product
Benchmark(s)	State Plane Coordinates	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

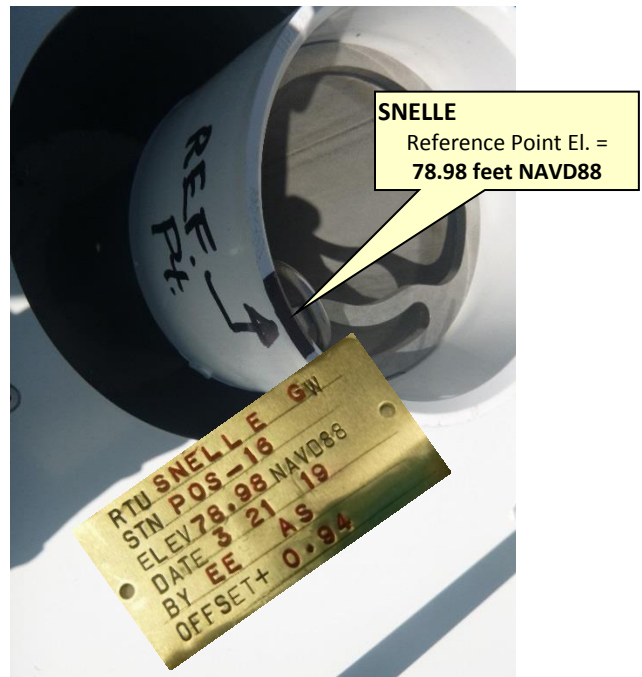
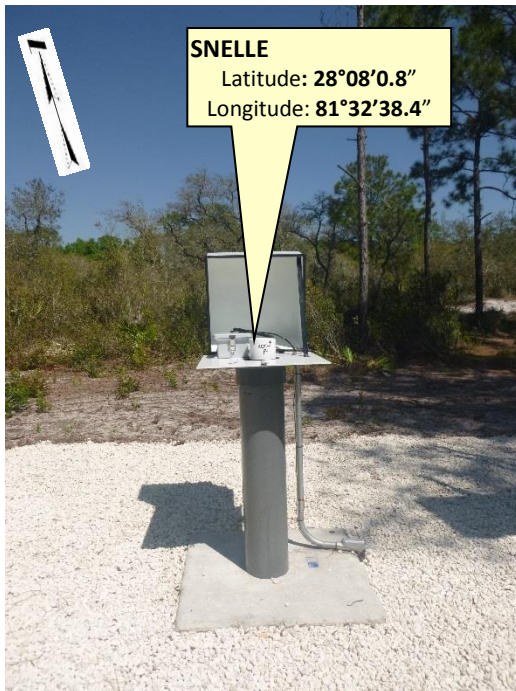
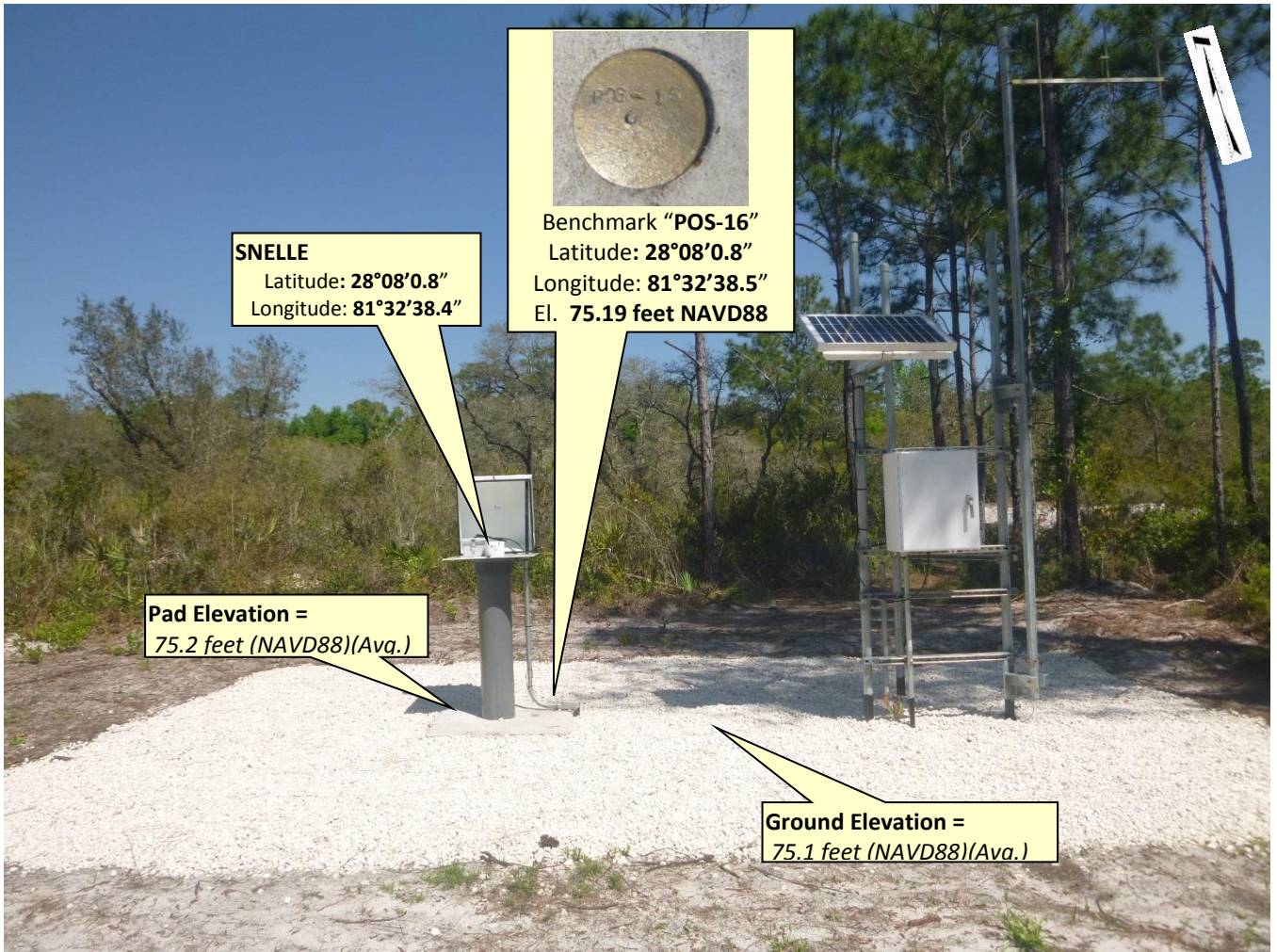




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SNELLE Well Site





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"POS-16" Benchmark Location
Benchmark: El. **75.19 feet (NAVD88)**



Benchmark **"POS-16"**
Latitude: **28°08'0.8"**
Longitude: **81°32'38.5"**
El. **75.19 feet NAVD88**



Benchmark **"POS-16"**
Latitude: **28°08'0.8"**
Longitude: **81°32'38.5"**
El. **75.19 feet NAVD88**



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"SNELLE 2015" Benchmark Datasheet (1 of 1)



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DESIGNATION: POS-16 <i>511 001 04 m</i>		PROJECT: CFWI DMIT Wetland Snell Creek East	
ESTABLISHED BY: SOUTH FLORIDA WATER MANAGEMENT DISTRICT		SURVEYOR: Gregory A. Prather	
RECOVERED BY: PICKETT AND ASSOCIATES, INC.		DATE: July 26, 2018	
GEOGRAPHIC POSITION			
SECTION 18	TOWNSHIP 27 SOUTH	RANGE 28 EAST	<i>0574-0583</i>
COUNTY: Polk	NAME OF QUADRANGLE: Davenport GEOGRAPHIC INDEX OF QUAD: 3413		
HORIZONTAL DATUM: 1927 <u>1983</u> 2022 Other (circle one) ZONE <u>E</u> or W			
VERTICAL DATUM: MSL 1929 <u>1988</u> 2022 Other (circle one)			
VERTICAL ACCURACY: 1 2 <u>3</u> <i>SNELLE</i>			
STATE PLANE COORDINATE	(N) Y= 1381656.35	(E) X= 480839.34	NAVD 88 EL. 75.193 NGVD 29 EL. 76.131
CORPSCON 6.0.1 CONVERSION FACTOR (NAVD88 TO NGVD29): 0.938' ✓ <small>(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)</small>			
ACTUAL NGS or (ngvd29.txt file) OPUS Ortho Height			
LATITUDE: 28° 08' 00.84093" (N)	LONGITUDE: 81° 32' 38.39409" (W)	(Real-Time Kinematic – NAD_83 (2011))	
RECOVERY DATA			
Stamping: POS-16			
To Reach: From the intersection of East Johnson Ave (580) and Power Line Rd East 1.9 Mi to Marion Creek Ave. West 750 feet to Baker Dairy Rd. North 1 Mi to dirt road North 0.3 Mi to Eileen Lake Blvd East 0.35 Mi to mark on Left.			
NOTABLE LAND MARKS:			
NGS-SOURCE BENCHMARK: POS-17			
FIELD BOOK 928 PAGE 29-148			

PICTURES

Aerial Overall Site





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SNELLE Field Notes (1 of 1)

3-21-19 SCADA FB #13 EBANICS 23
 SECT 18 TWP 27 RGE 28 SCHAUER

ESTABLISH REF ELEV AT SNELLE WELL, POLK COUNTY

STA	+	HT	-	ELEV	REMARKS
BM POS 10		80.68	79.56	76.29	75.19 (NAVD88)
BM POS 8	4.37	81.85		82.48	
SNELLE			0.58	82.27	82.08 78.98
CONC PAD NE			4.40	82.95	78.26 75.16
CONC PAD SE			4.40	82.15	78.26 75.16
CONC PAD SW			4.35	82.56	76.31 75.21
CONC PAD NW			4.35	82.50	76.31 75.21
GROUND +20'N			4.1	82.15	76.56 75.46
GROUND +20'E			4.7	82.15	75.76 74.86
GROUND +20'W			4.0	82.85	76.66 75.56
GROUND +30'S			5.0	81.85	75.66 74.56
SNELLE	0.70	80.78	79.68		
BM POS 18		86.71		4.49	82.43 ✓ 76.29 ✓ 75.19 ✓