

To ESTABLISH ELEVATION ON TBM AT AIRBOAT TRAIL TO WELL HOLEY-L

STA	I	HI	-	ELEV.	B.M. ELEV.
B.M.	5.77 (2)	23.72		17.635	<u>17.95</u>
H.L.-G	1.50 (2)	23.405			
			4.64 (2)	19.08	
			2.63 (2)	18.765	
	4.43 (2)	23.51			
	2.84 (2)	23.195			
TBM#GA			5.13 (2)	18.38	
			2.14 (2)	18.065	
RETURN LEVELS.					
TBM#GA	5.38 (2)	23.445			
	1.89 (2)				
			4.68 (2)	18.765	
			2.59 (2)		
	4.39 (2)	23.155			
	2.88 (2)				
B.M. H.L.-G			5.52 (2)	17.635	<u>17.95</u>
			1.75 (2)		

Forward Run  
 10.20 - 9.77 = 0.43  
 Back Run  
 9.77 - 10.20 = -0.43

RUS

E. Ebanks  
 E. Schaffer  
 S. Huzzey

NGS published value  
 5.034m (16.515715') NAVD88

DEF 1<sup>st</sup> ORDER ELEV

SEWARD ALUM CAP AT TURN-A-ROUND STAMPED  
 B.M. - H.L.-G (SEE PG. 19)

16.945715' NAVD88

SET 3" REBAR PL CAP E OF LEVEE RD 900'± WEST OF  
 B.M. "H.L.-G"

5/8 REBAR SET E OF LEVEE RD.

DEF 1<sup>st</sup> ORDER ELEV

EAS 3/7/97

TO ESTABLISH ELEVATION FOR BM-HOLEY-1  
AT MONITORING KIEUL SITE HOLEYLAND

STA	+	HI	-	ELEV	BM ELEV
IBM	0.70 (D)	19.08 15.765		18.065	18.38 (18.065)
61	6.57 (R)				
TP			5.77 (D)	13.51 12.995	
SET 1' X 2' HUB			1.50 (R)		
	2.71 (D)	16.02 15.705			
	4.56 (R)				
TP			2.78 (D)	13.24 12.925	
SET 1' X 2' HUB			4.49 (R)		
	3.32 (D)	16.56 16.245			
	3.93 (R)				
TP			3.37 (D)	12.99 12.675	
SET 1' X 2' HUB			3.70 (R)		
	3.79 (D)	16.78 16.465			
	3.48 (R)				
TP			3.77 (D)	13.01 12.695	
SET 1' X 2' HUB			3.50 (R)		
	3.34 (D)	16.35 16.035			
	3.93 (R)				
TP			3.24 (D)	13.11 12.795	
SET 1' X 2' HUB			4.03 (R)		
	3.17 (D)	16.78 15.9105			
	4.10 (R)				

RHS  
E. Chan ES  
R. Schaffer  
S. Hussey

16.945715' NAVD88

COMMENTS

5/8" BOLT & AL. CAP SET & ST LEVEL ED. (SEE PG. 22)

EAS 3/7/97

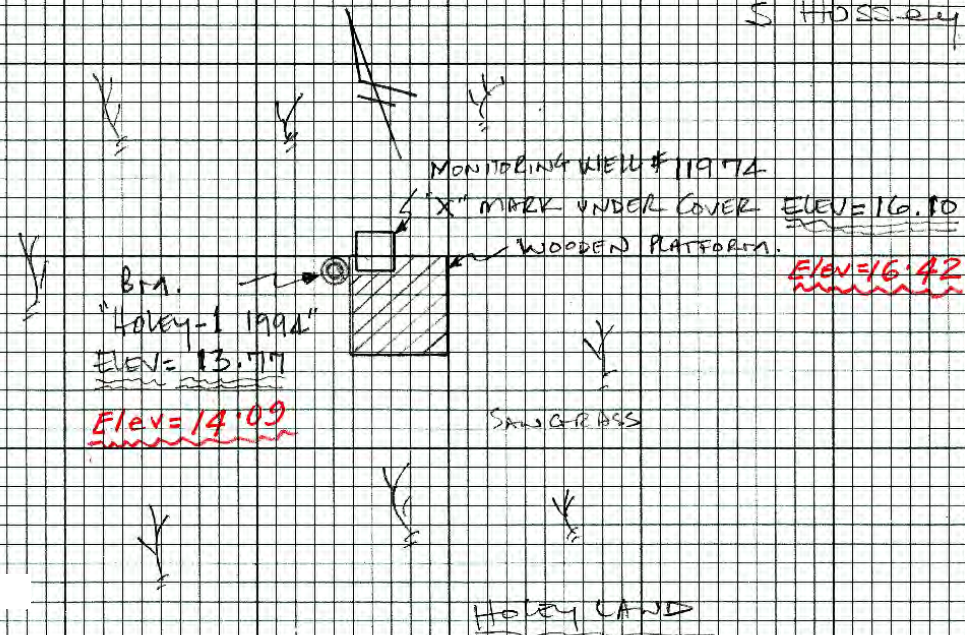
STA	+	HI	-	ELEV.	B.M. ELEV.
		16.28		13.54	
		15.965		13.225	
T.P.			2.74 (D)		
SET 1/2" HVB		16.55	7.53 (R)		
	3.01 (D)	16.235			
	7.26 (R)				
B.M.			2.46 (D)	14.09	(13.77)
HOLEY-1			7.81 (R)	13.775	ADJ - 0.005

RETURN LEVELS

B.M.	1.83 (D)	15.605		13.775	
	5.44 (R)				
T.P.			2.38 (D)	13.225	
1" x 2" HVB.			7.89 (R)		
	2.51 (D)	15.735			
	4.76 (R)				
T.P.			2.94 (D)	12.795	
1" x 2" HVB.			7.33 (R)		
	3.40 (D)	16.195			
	3.87 (R)				
T.P.			3.49 (D)	12.705	
1" x 2" HVB.			3.28 (R)		
	3.79 (D)	16.495			
	3.48 (R)				

12.650715' NAVD88

E. Ebanks  
 R. Schaffer  
 S. Hossley



Forward Run  
 20.04 - 24.33 = -4.29  
 Back Run  
 23.39 - 19.09 = 4.30  
 (4.29 + 4.30)/2 = 4.295



Sec. ~~14~~ 2 Twp. 46S 47 Rge 35E

To ESTABLISH ELEVATION FOR "BM 1990"  
LOCATED ON BRIDGE FROM MIAMI CANAL  
AT P.S. G-200 HOLEYLAND.

STA	+	H.I.	-	ELEV	BM ELEV
BM.	4.52 (d)	26.12		21.60	<del>21.91</del> (21.60)
<u>FCE 3599</u>	2.75 (d)				
BM.			9.71 (d)	16.41	(16.41)
			3.56 (d)		<u>16.72</u>
		BT.			
BM.	11.06 (d)	27.47		16.41	<u>16.72</u> 16.41
	2.21 (d)				
FCE			5.87 (d)	21.60	<u>21.91</u> (21.60)
3599			1.40 (d)		

E. Ebanks  
E. Schaffer  
S. Hussey

COMMENTS.

BM IS SPUN ALUM. DISK ON R.W. COR. OF BRIDGE  
LEADING FR. MIAMI CANAL TO P.S. G-200.  
BM IS ON TOP OF CONC. W/SG APPENDMENT STAMPED "BM 1990"  
(PLEASE PG #1 THIS BOOK.)

NGS PID AD 8153 1<sup>st</sup> ORDER  
"BM 1990"

FCE 3599

Sec 28

Twp 46S

Rge 36E

STA	#	H.I.	-	ELEV	BM ELEV
BM	4.22	18.31		13.77	(14.02)
"Holey-1"	3.05	17.99			
			1.89	16.42	
WELL			5.38	16.10	16.10

Et.

WELL	1.71	17.81			
	5.56				
BM	4.04			13.77	(14.02)
"Holey-1"	3.23				

E Banks  
 R Schaffer  
 S Hussey

CONTENTS.

X MARK SET TOP OF MONITORING WELL (see pg. 2A)

X MARK TOP OF WELL

BM "Holey-1" 1994

EA 53/7/97

# The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

DATABASE = ,PROGRAM = datasheet, VERSION = 7.58
1 National Geodetic Survey, Retrieval Date = MARCH 17, 2008
AI1543 *****
AI1543 DESIGNATION - HL 6
AI1543 PID - AI1543
AI1543 STATE/COUNTY- FL/PALM BEACH
AI1543 USGS QUAD - SOUTH OF OKEELANTA (1974)
AI1543
AI1543 *CURRENT SURVEY CONTROL
AI1543
AI1543 * NAD 83(1986)- 26 26 07. (N) 080 44 12. (W) SCALED
AI1543 * NAVD 88 - 5.034 (meters) 16.52 (feet) ADJUSTED
AI1543
AI1543 GEOID HEIGHT- -24.86 (meters) GEOID03
AI1543 DYNAMIC HT - 5.026 (meters) 16.49 (feet) COMP
AI1543 MODELED GRAV- 979,074.2 (mgal) NAVD 88
AI1543
AI1543 VERT ORDER - FIRST CLASS II
AI1543
AI1543 The horizontal coordinates were scaled from a topographic map and have
AI1543 an estimated accuracy of +/- 6 seconds.
AI1543
AI1543 The orthometric height was determined by differential leveling
AI1543 and adjusted in October 1999.
AI1543
AI1543 The geoid height was determined by GEOID03.
AI1543
AI1543 The dynamic height is computed by dividing the NAVD 88
AI1543 geopotential number by the normal gravity value computed on the
AI1543 Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AI1543 degrees latitude (g = 980.6199 gals.).
AI1543
AI1543 The modeled gravity was interpolated from observed gravity values.
AI1543
AI1543; North East Units Estimated Accuracy
AI1543; SPC FL E - 232,860. 226,270. MT (+/- 180 meters Scaled)
AI1543
AI1543 SUPERSEDED SURVEY CONTROL
AI1543
AI1543 No superseded survey control is available for this station.
AI1543
AI1543 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK262239(NAD 83)
AI1543 MARKER: DD = SURVEY DISK
AI1543 SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
AI1543 STAMPING: B.M. H.L.-6 1984
AI1543 MARK LOGO: SFLWMD
AI1543 MAGNETIC: N = NO MAGNETIC MATERIAL
AI1543 STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AI1543+STABILITY: SURFACE MOTION
AI1543 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AI1543+SATELLITE: SATELLITE OBSERVATIONS - October 05, 1996
AI1543
AI1543 HISTORY - Date Condition Report By
AI1543 HISTORY - 1984 MONUMENTED SFLWMD
AI1543 HISTORY - 19961005 GOOD FLDEP
AI1543
AI1543 STATION DESCRIPTION
AI1543
AI1543 DESCRIBED BY FL DEPT OF ENV PRO 1996 (VAJ)
AI1543 THE MARK IS ABOUT 25.1 MI (40.4 KM) SOUTH OF BELLE GLADE IN ESTIMATED
AI1543 SECTION 3, TOWNSHIP 47 SOUTH, RANGE 36 EAST. TO REACH THE MARK FROM
AI1543 THE POST OFFICE IN LAKE HARBOR, GO SOUTHERLY ON THE MIAMI CANAL ROAD
AI1543 (WEST SIDE OF THE CANAL) FOR 0.65 MI (1.05 KM) TO THE END OF THE
AI1543 PAVEMENT, CONTINUE SOUTHERLY ON THE MIAMI CANAL ROAD FOR 2.35 MI (3.78
AI1543 KM) TO THE JUNCTION OF ROGERS ROAD ON THE RIGHT, CONTINUE SOUTHERLY ON
AI1543 THE MIAMI CANAL ROAD FOR 6.25 MI (10.06 KM) TO THE INTERSECTION OF A
AI1543 PAVED ROAD, TURN LEFT ON THE PAVED ROAD AND GO EASTERLY FOR 0.05 MI
AI1543 (0.08 KM) TO THE EAST SIDE OF THE MIAMI CANAL AND A DIRT LEVEE ROAD ON
AI1543 THE RIGHT, TURN RIGHT ON THE DIRT LEVEE ROAD AND GO SOUTHERLY FOR 9.25

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DATASHEETS

AI1543' MI (14.89 KM) TO THE APPROXIMATE CENTER OF A BRIDGE OVER A PUMPING  
AI1543' STATION, TURN LEFT IMMEDIATELY PAST (SOUTH) END OF THE BRIDGE, (MAKING  
AI1543' A U-TURN TO THE NORTH AND PASSING THRU A LOCKED GATE) , THEN TURN  
AI1543' RIGHT ON THE LEVEE ROAD AND GO EAST FOR 4.6 MI (7.4 KM) TO A TURNOUT  
AI1543' AND THE MARK ON THE RIGHT, SET IN THE APPROXIMATE CENTER OF THE  
AI1543' TURNOUT RECESSED 0.5 FT (15.2 CM) BELOW THE LEVEL OF THE GROUND.  
AI1543' LOCATED 34.3 FT (10.5 M) WEST OF THE APPROXIMATE EAST END OF THE  
AI1543' TURNOUT, 32.9 FT (10.0 M) EAST OF THE APPROXIMATE WEST END OF THE  
AI1543' TURNOUT AND 10.7 FT (3.3 M) SOUTH OF THE APPROXIMATE CENTERLINE OF THE  
AI1543' LEVEE ROAD. NOTE FOR KEY CONTACT GENE TANNER, SOUTH FLORIDA WATER  
AI1543' MANAGEMENT, REGIONAL DIRECTOR, CLEWISTON FIELD STATION, PHONE NUMBER  
AI1543' 813-983-1431.

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





# South Florida Water Management District Benchmark Database

Report run on: March 18, 2008 8:36 AM

Designation: HOLEY1	Latitude: 262547.700	Scaled values only
County: PALM BEACH	Longitude: 804425.400	
USGS Quad: EAST OF LITTLE CYPRESS SWAMP	Monument By: SFWMD	
Project: HOLEY1 WELL SITE	Year: 1994	
Sec: 4      Twp: 47      Rge: 36	Type: V	
Status:	Stamping: HOLEY-1 1994	
<b>NAD 1927 Coordinates:</b>	Party Chief: EBANKS	
N =	Field Book HOLEYLANDS 27	
E =	Page: 24	
Adjustment:	<b>NGVD 1929</b>	
<b>NAD 1983 Coordinates:</b>	Elevation: 14.090	
X =	Order: 3	
Y =	Class:	
Adjustment:	<b>NAVD 1988</b>	
Order:	Elevation: <del>12.656</del> 12.651'	
Class:	Order: 3	
	Class:	

Description:

BENCHMARK (BM) IS A SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) ALUMINUM CAP SET ON THE SOUTHWEST SIDE OF A WELL PLATFORM IN A 1 ¼-INCH GALVANIZED PIPE DRIVEN TO REFUSAL IN 6-INCH POLYVINYLCHLORIDE (PVC) COLLAR WITH A CONCRETE COLOR AND EXTENDS 1.5 FEET MORE OR LESS ABOVE WATER.

BM IS STAMPED "HOLEY-1"1994.

NGS SOURCE BM: HL-6 (PID AI1543) EL. 16.516 NAVD 1988  
CORPSCON EL. 17.95 NGVD 1929

HOLEY1 WELL DATA  
EL. 16.42 NGVD 1929 "X" MARK UNDER COVER  
EL. 14.986 NAVD 1988



# South Florida Water Management District Benchmark Database

Report run on: March 10, 2000 9:30 AM

Designation: HOLEY1  
 County: PALM BEACH  
 JSGS Quad: EAST OF LITTLE CYPRESS SWAMP  
 Project: HOLEY1 WELL SITE  
 Sec: 4 Twp: 47 Rge: 36

Latitude: 262547.700 Scaled values only  
 Longitude: 804425.400  
 Monument By: SFWMD  
 Year: 1991  
 Type: V  
 Stamping: HOLEY-1 1994  
 Party Chief: EBANKS  
 Field Book: HOLEYLANDS 27  
 Page: 24

Status:

**NAD 1927 Coordinates:**

N =

E =

Adjustment:

**NAD 1983 Coordinates:**

X =

Y =

Adjustment:

Order:

Class:

**NGVD 1929**  
 Elevation: 14.090  
 Order: 3  
 Class:

**NAVD 1988**

Elevation: ~~12.665~~ 12.631'  
 Order: 3  
 Class:

Description:

BENCHMARK (BM) IS A SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) ALUMINUM CAP SET ON THE SOUTH-WEST SIDE OF A WELL PLATFORM IN A 1 1/2-INCH GALVANIZED PIPE DRIVEN TO REFUSAL IN 6-INCH POLYVINYLCHLORIDE (PVC) COLLAR WITH A CONCRETE COLLAR AND EXTENDS 1.5 FEET MORE OR LESS ABOVE WATER.

BM IS STAMPED "HOLEY-1"1994.

NGS SOURCE BM: H\_6 (PID A 1513) EL. 16.5'6" NAVD 1988  
 CORPSON EL. 17.95 NGVD 1929

HOLEY1 WELL DATA  
 FI 16.42 NGVD 1929 "X" MARK UNDER COVER  
 FI 14.986 NAVD 1988



Picture dated 9-may-07



27-jul-2015

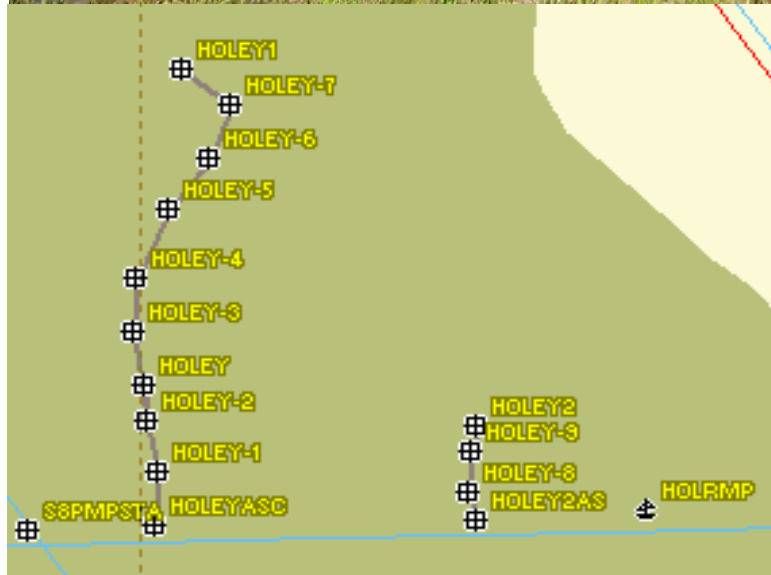






# General Site Information

**Site Name:** HOLEY 1  
**Site Lat/Long:** 26 25 46.8599' -80 44 25.6199'  
**Data Collection Type:** TELEMETRY



## SITE SPECIFICS

<b>ACCESS TYPE:</b>	AIRBOAT
<b>REPORTING TYPE:</b>	QE/QUARTERLY REPORT AND EAA COND. REPORT
<b>DUE DATE:</b>	2/9, 5/1, 8/9, 10/1, 11/9
<b>DIRECTIONS FROM SFWMD F.O.C. (W.P.B.)</b>	
WEST ON BELVEDERE RD. 0.90 MILES TO SR7/441. SOUTH ON SR7/441 0.78 MILES TO SOUTHERN BLVD. (SR80/US98/US441). WEST ON SR80 29.6 MILES TO BELLE GLADE. SOUTH AT STOP LIGHT ON SR80 THROUGH BELLE GLADE TO US27. SOUTH ON US27 26.1 MILES ON US27 TO TERRYTOWN. WEST ON COUNTYLINE RD. 12.90 MILES TO HOLEY ACCESS.	