



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

Site Name: S65AMW and OSF104		Date of Field Work: 04-sep-08
Party Chief: Strickland	Field Book: Misc 6H	Page(s) 49 thru 51
Site Benchmark: KR1388 (AH8839)	Benchmark Elevation (NAVD88) 52.838	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) +1.181
Reference Elevation(s) (NAVD88): 54.936 GW1 (POH-1) 55.106 GW2 (POF-20R) 55.276 GW3 (POS-2) 55.096 GW4 (POS-3) 56.046 GW5 (OSF104 Upper) 56.276 GW6 (OSF104 Middle) 56.186 STG (OSF104) All wells tagged in NGVD29	Reference Elevation(s) (NGVD29): 56.12 GW1 56.29 GW2 56.46 GW3 56.28 GW4 57.23 GW5 (OSF104 Upper) 57.46 GW6 (OSF104 Middle) 57.37 STG (OSF104)	Existing Tag Elevation (Datum): None
Ground Elevation (NAVD88):	Pad Elevation (NAVD88):	
S65AMW Latitude: 27° 39' 33.8" Longitude: 81° 07' 58.6" OSF104 Latitude: 27° 39' 34.8" Longitude: 81° 07' 57.8"		
Notes: NAVD88 – North American Vertical Datum of 1988 NGVD29 - National Geodetic Vertical Datum of 1929 Corpscon 6.0.1 – A MS-Windows-based program to convert coordinates and elevations between datum's		

PICTURES

S65AMW Overall Site



Looking Southwesterly



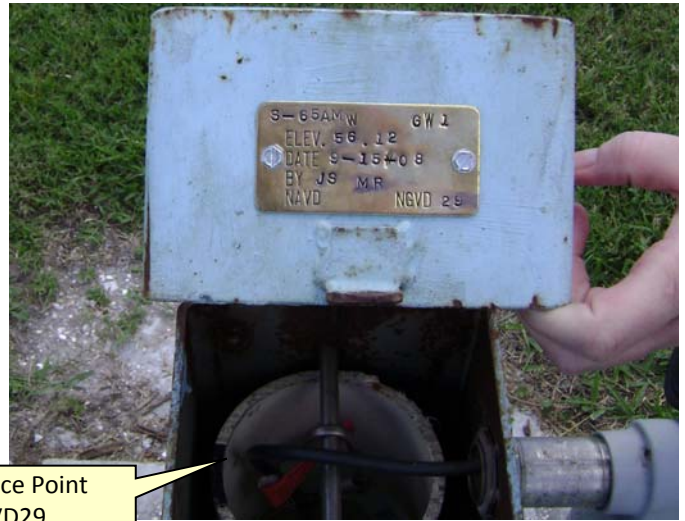
SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

GW1 Brass Tag Close Up



GW1 Brass Tag and Reference Mark



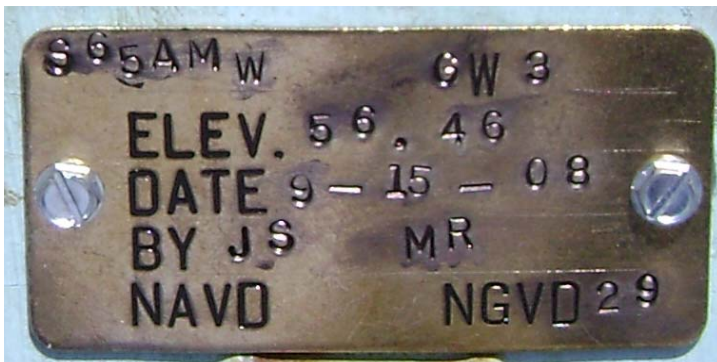
GW2 Brass Tag Close Up



GW2 Brass Tag and Reference Mark



GW3 Brass Tag Close Up



GW3 Brass Tag and Reference Mark



GW3 Reference Point
El. 56.46 NGVD29



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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GW4 Brass Tag Close Up



GW4 Brass Tag



OSF104 Overall Site

GW7 STG (OSF104)

GW6 STG (OSF104 Middle)

GW5 (OSF104 Upper)



Looking Southerly



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

GW5 Brass Tag Close Up



GW5 Brass Tag and Reference Mark



GW6 Brass Tag Close Up



GW6 Brass Tag and Reference Mark



GW7 STG Brass Tag Close Up



GW7 STG Brass Tag and Reference Mark



SEC	Z8	TWP	32	RGE	32
VERIFY VERTICAL REFERENCE MARK ELEVATIONS @ MONITORING WELL SITE SLSA MW					
STA	+	HI	-	ELEV.	BM ELEV
BM KR 1388		59.28		54.12	54.12 (NGVD 29)
	5.41	59.53		53.87	
	1.36	58.1455		56.07	
GW1			3.21	56.32	54.936
			3.56		
GW2			3.04	56.24	55.106
			3.73	56.49	
GW3			2.87	56.41	55.276
			3.90	56.66	
GW4			3.05	56.23	55.096
				56.48	
GW5			2.10	57.18	56.046
			4.67	57.43	
GW6			1.87	57.41	56.276
			4.90	57.66	
STG (7)			1.96	57.32	56.186
			4.81	57.57	
FD GCY PK NAIL & ALUM DISK			5.33	53.95	52.816
			1.44		
BM KR 1388 1979			5.41	54.12	
			1.36	53.87	

52.736 NAVD88 based on level run through C474, Z473, B474 and KR1388 by contractor
52.838 NAVD88 published (NOT USED)
52.736 + 1.184 = 53.92 NGVD29

III X STRICKLAND
 Ø REKNER

COMMENTS
 BM KR 1388 1979 FD GOOD CONDITION (NAVD 88 EL = 52.84)
 AS PER DESC SHEET

SEE PG 51 & 52 NOTES:

WELL GW1 S.E. MOST (4" PVC PIPE REF MARK LOCATED ON ELY SIDE BLACK MAGIC MARK ENCASED IN A 6" X 6" METAL SQ TUBING W/ 28" X 28" SQ CONC PAD BASE)

WELL GW2 N.E. MOST (AS DESCRIBE ABOVE) REF MARK LOCATED ON NORTHELY SIDE BLACK MAGIC MARKER. A TOP of 4" PVC PIPE

WELL GW3 NW MOST (2" PVC PIPE REF MARK LOCATED ON WESTELY SIDE BLACK MAGIC MARKER. A TOP 2" PVC PIPE ENCASED IN A 4" X 4" METAL SQ TUBING W/ 28" X 28" SQ CONC PAD BASE

WELL GW4 SW MOST (AS DESCRIBE ABOVE)

* WELL GW5 (OSF-104) MZ-1 UPPER IS 2" GALVANIZE PIPE W/ 2" PVC T & THREADED COUPLING EAST MOST SIDE of (OSF-104) WELL

* WELL GW6 (OSF-104) IS 2" GALVANIZE PIPE W/ 2" PVC T & THREADED COUPLING WEST MOST SIDE of (OSF-104) WELL (MZ-2) (MIDDLE) WRITEN ON GALV PIPE

* WELL STG(7) (OSF-104) (LOCATED BETWEEN 5 & 6) IS A 4" WIA 2" REDUCER GALVANIZE PIPE W/ 2" PVC T & THREADED COUPLING

FD GCY INC. BM 1450-08 (ALL WELLS 5, 6 & 7 ARE ENCASED IN 18" STEEL PIPE W/ 34" X 34" CONC BASE PAD GCY INC BM 1450-08 LOCATED N.E. CORNER BM KR 1388 1979 AS ABOVE

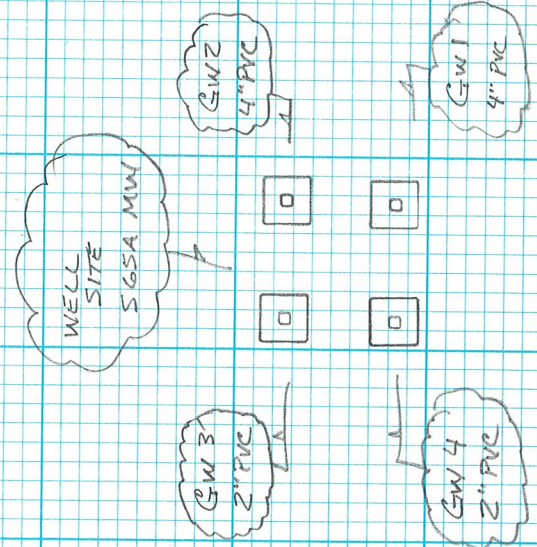
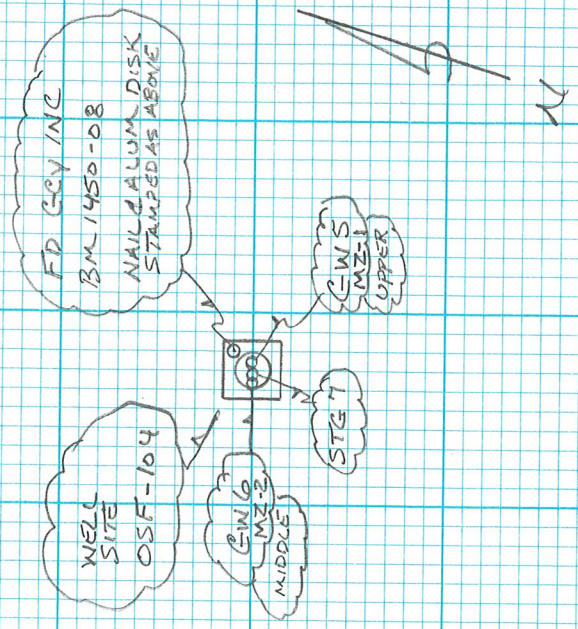
* NOTE: WELLS 5, 6 & 7. REF MARKS ARE IN RED AND LOCATED A TOP of 2" PVC THREADED COUPLING ON EASTERLY SIDE

NOTE: BELIEVE BM KR 1388 1979 TO BE INCORRECT WILL NEED TO CHECK W/ OTHER BM. TO VERIFY ELEVATION

SEE SKETCH
 NEXT PG.

S-65A ACCESS ROAD

S-65A
LOCK
TENDERS
HOUSE
S-65A



SEC	28	TWP	32	RGE	32
CHECK BETWEEN BENCH MARKS TO VERIFY KR1388 ELEVATIONS @ WELL SITES S65AMW & OSF-104 SEE PG-49					
STA	+	HI	-	ELEV.	BM ELEV.
BM		59.29		54.81	53.95 (NGVD 29)
	5.38	59.33		54.85	53.97
	1.39		4.48		
TP			2.29		
	4.64	59.45			
	2.13	59.49			
BM			5.44	54.01	54.01 ✓
			1.33	54.05	
		RETURN LEVELS			
	5.49	59.50			
	1.28	59.54			
TP			4.70	54.80	
			2.07	54.84	
	4.25	59.05			
	2.52	59.09			
BM			5.14	53.91	53.91
			1.63	53.95	53.95
		LEVELS	(CONT'D)		
BM					54.01 ✓
	5.69	59.10			
	1.08				
BM			5.74	53.96	53.95
			1.03		
		RETURN LEVELS			
	5.76	59.42			
	1.01				
BM			5.71	54.01	54.01 ✓
			1.06		
		LEVELS	(CONT'D)		
			P. 52		

T III STRICKLANDS
Ø HOLLIS

COMMENTS

BM Z 473 1998 FID GOOD COND. (NAVD 88 = ~~52.71~~)
S.S. ROD (NGVD - NAVD = 1.24 DIFF)

* NOTE:
HOLD & USE 1.20 DIFFERENCE BETWEEN NGVD - NAVD, HOLD ~~52.71~~
NAVD 88 PUBLISHED ELEVATION ~~52.71~~ + 1.20 = 53.91 FOR Z 473
TO ESTABLISH REFF MARK ELEVATIONS @ WELL SITES S65AMW & OSF/104
SEE PG 49 AS PER HOWARD EHMKE

BM P1 1972 FID GOOD COND FID MONUMENT (NAVD 88 = 52.81)
(NGVD - NAVD = 1.20 DIFF)

BM Z 473 1998 AS ABOVE

BM P1 1972 FID GOOD COND AS ABOVE

BM MACK 5-23-84 COE MON. FID GOOD COND.
(NGVD - NAVD = 1.18 DIFF)

BM P1 1972 FID MON.

SEC	28	TWP	32	RGE	32
STA	+	HI	-	ELEV.	BM ELEV.
BM	5.67 1.10	59.68 ✓			54.01 ✓
BM			5.81 0.96	53.87 ✓	54.12
	5.85 0.92	RETURN LEVELS 59.72 ✓			
BM			5.71 1.06	54.01 ✓	54.01 ✓

COMMENTS
BM P1 1972 FGD MON.

BM KR 1388 1979 PG 49 THIS BOOK

NOTE: * { WILL HOLD ELEV. 53.87 NGVD 29 FOR KR 1388 FOR SITE
BM (WELL SITES 5G5A MW + OSF 104 SEE PG 49) }

BM P1 1972 FGD MON.

USED LEVEL ZEISS NI 2 SERIAL # 163109
PEG TEST 6-4-08 BY HOLLIN

{ MARK UPS IN RED
By HOWARD EHMKE 9-11-08 }

PG 49

PG 49

SEC	28	TWP	32	RGE	32
VERIFY VERTICAL REFERENCE MARK ELEVATIONS @ MONITORING WELL SITE S65A MW					
STA	+	HI	-	ELEV.	BM ELEV.
BM KR 1388		59.33		54.2 53.87	54.12 (NEVED 27)
	5.41	59.28		53.92	
	1.36	59.25		54.07 56.32	56.12
GW1			3.21		
			3.56		
GW2			3.04	56.29	56.29
			3.73	56.49	
GW3			2.87	56.41	56.46
			3.70	56.42	
GW4			3.05	56.23	56.28
				56.42	
GW5			2.10	57.8	57.23
			4.67	57.48	
GW6			1.87	57.41	57.46
			4.90	57.66	
STG (7)			1.94	57.32	57.37
			4.81	57.57	
			5.33	53.95	54.00
			1.44		
			5.41	54.12	53.92
			1.36	53.87	

FD GCY PK
NAIL & ALUM. DISK
BM
KR 1388
1979

III T STERLAND
R KENSET

COMMENTS

BM KR 1388 1979. FD GOOD CONDITION (NAND BB EL = 52.84)
AS PER DESC. SHEET

SEE PG 51 & 52 NOTES

WELL GW1 S.E. MOST (4" PVC PIPE REF. MARK LOCATED IN ELY. SIDE BLACK MAGIC MARK ENCASED IN A 6" X 6" METAL SQ TUBING W/ 28" X 28" SQ CONC PAD BASE)

WELL GW2 N.E. MOST (AS DESCRIBE ABOVE) REF. MARK LOCATED ON NORTHERLY SIDE BLACK MAGIC MARK. AT TOP OF 4" PVC PIPE

WELL GW3 NW. MOST (2" PVC PIPE REF. MARK LOCATED ON WESTERLY SIDE BLACK MAGIC MARK AT TOP OF 2" PVC PIPE ENCASED IN A 4" X 4" METAL SQ TUBING W/ 28" X 28" SQ CONC PAD. BASE

WELL GW4 SW. MOST (AS DESCRIBE ABOVE)

WELL GW5 (OSF-104) MZ-1 UPPER 1/2" GALVANIZE PIPE W/ 2" PVC T & THREADED COUPLING EAST MOST SIDE OF (OSF-104) WELL

WELL GW6 (OSF-104) IS 2" GALVANIZE PIPE W/ 2" PVC T & THREADED COUPLING WEST MOST SIDE OF (OSF-104) WELL (MZ-2) (MIDDLE) WRITTEN ON GALV. PIPE

WELL STG(7) (OSF-104) (LOCATED BETWEEN S66) IS A 4" W/ A 2" REDUCER GALVANIZE PIPE W/ 2" PVC T & THREADED COUPLING

FD GCY INC. BM 1450-08 (ALL WELLS S, G, E, T ARE INCASED IN 18" STEEL PIPE W/ 34" X 34" CONC BASE PAD GCY INC. BM 1450-08 LOCATED N.E. CORNER BM KR 1388 1979 AS ABOVE

NOTE: WELLS S, G, E, T. REF. MARKS ARE IN RED AND LOCATED AT TOP OF 2" PVC THREADED COUPLING ON EASTERLY SIDE.

NOTE: BELIEVE BM KR 1388 1979 TO BE INCORRECT. WILL NEED TO CHECK W/ OTHER B.M. TO VERIFY ELEVATIONS

SEE SKETCH
NEXT PG.

SEC	28	TOP	32	RGE	32
STA.	+	HI	-	ELEV.	BM ELEV.
BM	5.67 1.10	59.68			54.01 54.06
BM			5.81 0.96	53.82 53.92	54.01
	5.85 0.92	RETURN 59.72			
BM			5.71 1.06	54.01 ✓	54.01 54.06

FB MISC 64 9-4-08 52

COMMENTS

BM P1 1972 FCD MON.

BM KR 1388 1979 PG. 49 THIS BOOK
(NEVD - NAD 83 1.28 DIFF)
NOTE: * { WILL HOLD ELEV. 53.87 NEVD 83 FOR KR 1388, FOR SITE }
BM (WELL SITES SG5A MW & OSF 104 SEE PG 49)

BM P1 1972 FCD MON.

USED LEVEL ZEISS NI Z SERIAL # 163109
PEG TEST 6-4-08 BY HOLLIN

-*- FIELD ABSTRACT -*-

060615-060615 HGZ L10788 8.0 MM ORDER 2 CLASS 2 PAGE 1
 SOUTH FLORIDA WATER MANAGEMENT DISTRICT
 EVERGLADES AND ORLANDO AREA WELLS
 ESTABLISH THIRD-ORDER ELEVATIONS ON MONITORING WELL S65AMW

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0515 C 474						13.85000	
0515 C 474	6151130	F	2.20	2.22383	* 0.00	2.22383	1
0518 KR 1388	SL 1		2.20		0.00	16.07383	
0518 KR 1388	6151330	F	0.19	0.01010	* 0.00	0.01010	1
0516 Z 473	SL 1		2.39		0.00	16.08393	
0516 Z 473	6151400	F	1.11	-1.68156	* 0.00	-1.68156	1
0517 B 474	SL 1		3.49		0.00	14.40237	
0517 B 474	6151500	F	1.29	-0.54847	* 0.00	-0.54847	1
0515 C 474	SL 1		4.78		0.00	13.85390♀	

ELEVATION REJECTION AND ERROR CODES

- C - section elevation difference was rejected for cause i.e. *43* record rejection code set to "F"
- R - section elevation difference was rejected by Halperin rejection algorithm
- @ - section elevation difference does not include refraction correction
- * - section elevation difference does not include rod correction

♀

INSTRUMENT CODE	INSTRUMENT	RODS
1	243 - 332854	396 - 333 396 - 444

LEVEL LINE SECTION RUNNING TREE

0515 (0518
0516
0517
0515♀

FROM TO	N. LATITUDE	W. LONGITUDE	FIELD DISTANCE	VS. COMPUTED
0515	273843	0810805	0.00	0.00
0515 0518	273935	0810802	2.20	1.60 **
0518 0516	273938	0810754	0.19	0.24
0516 0517	273918	0810754	1.11	0.62
0517 0515	273843	0810805	1.29	1.12♀

SECTION FROM TO ERROR MESSAGES

0515 0518 *** Field distance exceeds computed distance by more than 0.50 KM!

The NGS Data Sheet

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

DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.58

1 National Geodetic Survey, Retrieval Date = FEBRUARY 7, 2008

AH8839 *****

AH8839 DESIGNATION - KR 1388
 AH8839 PID - AH8839
 AH8839 STATE/COUNTY- FL/POLK
 AH8839 USGS QUAD - FORT KISSIMMEE NW (1972)

52.736 NAVD88 based on level run
 through C474, Z473, B474 and KR1388
 by contractor

AH8839 *CURRENT SURVEY CONTROL

AH8839* NAD 83(1986)- 27 39 35. (N) 081 08 02. (W) SCALED
 AH8839* NAVD 88 - 16.105 (meters) ~~-52.84~~ (feet) ADJUSTED

AH8839 GEOID HEIGHT- -26.35 (meters) GEOID03
 AH8839 DYNAMIC HT - 16.081 (meters) 52.76 (feet) COMP
 AH8839 MODELED GRAV- 979,165.3 (mgal) NAVD 88

AH8839 VERT ORDER - SECOND CLASS I

AH8839.The horizontal coordinates were scaled from a topographic map and have
 AH8839.an estimated accuracy of +/- 6 seconds.

AH8839.The orthometric height was determined by differential leveling
 AH8839.and adjusted in July 1999.

AH8839.No vertical observational check was made to the station.

AH8839.The geoid height was determined by GEOID03.

AH8839.The dynamic height is computed by dividing the NAVD 88
 AH8839.geopotential number by the normal gravity value computed on the
 AH8839.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AH8839.degrees latitude (g = 980.6199 gals.).

AH8839.The modeled gravity was interpolated from observed gravity values.

AH8839;
 AH8839;SPC FL W - North East Units Estimated Accuracy
 - 368,800. 285,460. MT (+/- 180 meters Scaled)

AH8839 SUPERSEDED SURVEY CONTROL

AH8839.No superseded survey control is available for this station.

AH8839_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML867595(NAD 83)

AH8839_MARKER: DD = SURVEY DISK

AH8839_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AH8839_STAMPING: KR 1388 1979 JAX FL

AH8839_MARK LOGO: USE

AH8839_MAGNETIC: N = NO MAGNETIC MATERIAL

AH8839_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AH8839+STABILITY: SURFACE MOTION

AH8839_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR

AH8839+SATELLITE: SATELLITE OBSERVATIONS - August 15, 2007

AH8839 HISTORY - Date Condition Report By

AH8839 HISTORY - 1979 MONUMENTED USE

AH8839 HISTORY - 19971116 GOOD FLDEP

AH8839 HISTORY - 20070815 GOOD INDIV

AH8839 STATION DESCRIPTION

AH8839'DESCRIBED BY FL DEPT OF ENV PRO 1997 (JLM)
 AH8839'THE MARK IS ABOUT 39.0 MI (62.8 KM) SOUTHEAST OF LAKE WALES IN SECTION
 AH8839'28, TOWNSHIP 32 SOUTH, RANGE 32 EAST. TO REACH THE MARK FROM THE
 AH8839'INTERSECTION OF STATE ROAD 27 AND STATE ROAD 60 IN LAKE WALES, GO
 AH8839'EAST-SOUTHEAST ON STATE ROAD 60 FOR 26.9 MI (43.3 KM) TO THE WEST END
 AH8839'OF THE BRIDGE OVER THE KISSIMMEE RIVER, CONTINUE EAST FOR 11.05 MI
 AH8839'(17.78 KM) TO THE JUNCTION OF A DIRT ROAD ON THE RIGHT, TURN RIGHT ON
 AH8839'DIRT ROAD AND GO SOUTH FOR 5.6 MI (9.0 KM) TO A Y-JUNCTION, BEAR LEFT
 AH8839'AND GO SOUTH ON THE DIRT ROAD FOR 2.6 MI (4.2 KM) TO A METAL GATE,



AH8839' CONTINUE WEST FOR 0.05 MI (0.08 KM) TO THE MARK ON THE RIGHT, SET IN
AH8839' THE TOP OF A ROUND CONCRETE MONUMENT FLUSH WITH THE GROUND AND 0.4 FT
AH8839' (12.2 CM) ABOVE THE LEVEL OF THE DIRT ROAD. LOCATED 143.5 FT (43.7 M)
AH8839' EAST OF THE NORTHEAST CORNER OF STRUCTURE S-65A, 20.8 FT (6.3 M) SOUTH
AH8839' OF A METAL WITNESS POST IN THE BARB WIRE FENCE AND 10.8 FT (3.3 M)
AH8839' NORTH OF THE APPROXIMATE CENTERLINE OF THE DIRT ROAD.

AH8839
AH8839
AH8839

STATION RECOVERY (2007)

AH8839' RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2007 (RS)
AH8839' KR1388 PUBLISHED NAVD 1988 AND NGVD 1929 ELEVATIONS DO NOT AGREE
AH8839' USING BENCHMARKS Z-473, MACK AND P-1. THERE IS 0.20' DIFFERENCE IN THE
AH8839' NGVD 1929 VALUE AND A 0.16' DIFFERENCE IN THE NAVD 1988 VALUE. BOTH
AH8839' BEING LOWER THAN THE PUBLISHED VALUES.
AH8839'

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

The NGS Data Sheet

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

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DATABASE = ,PROGRAM = datasheet, VERSION = 7.80
1 National Geodetic Survey, Retrieval Date = JANUARY 27, 2010
AH8845 *****
AH8845 DESIGNATION - Z 473
AH8845 PID - AH8845
AH8845 STATE/COUNTY- FL/POLK
AH8845 USGS QUAD - FORT KISSIMMEE NW (1972)
AH8845
AH8845 *CURRENT SURVEY CONTROL
AH8845
AH8845 * NAD 83(1986)- 27 39 38. (N) 081 07 54. (W) SCALED
AH8845 * NAVD 88 - 16.081 (meters) 52.76 (feet) ADJUSTED
AH8845
AH8845 GEOID HEIGHT- -26.36 (meters) GEOID09
AH8845 DYNAMIC HT - 16.057 (meters) 52.68 (feet) COMP
AH8845 MODELED GRAV- 979,165.9 (mgal) NAVD 88
AH8845
AH8845 VERT ORDER - SECOND CLASS I
AH8845
AH8845 The horizontal coordinates were scaled from a topographic map and have
AH8845 an estimated accuracy of +/- 6 seconds.
AH8845
AH8845 The orthometric height was determined by differential leveling
AH8845 and adjusted in January 2008.
AH8845
AH8845 The geoid height was determined by GEOID09.
AH8845
AH8845 The dynamic height is computed by dividing the NAVD 88
AH8845 geopotential number by the normal gravity value computed on the
AH8845 Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AH8845 degrees latitude (g = 980.6199 gals.).
AH8845
AH8845 The modeled gravity was interpolated from observed gravity values.
AH8845
AH8845;
AH8845; SPC FL W - North East Units Estimated Accuracy
AH8845 - 368,900. 285,670. MT (+/- 180 meters Scaled)
AH8845
AH8845 SUPERSEDED SURVEY CONTROL
AH8845
AH8845 NAVD 88 (07/21/99) 16.066 (m) 52.71 (f) UNKNOWN 2 1
AH8845
AH8845 Superseded values are not recommended for survey control.
AH8845 NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AH8845 See file dsdata.txt to determine how the superseded data were derived.
AH8845
AH8845 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML870596(NAD 83)
AH8845 MARKER: F = FLANGE-ENCASED ROD
AH8845 SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)
AH8845 STAMPING: Z 473 1998
AH8845 MARK LOGO: NGS
AH8845 PROJECTION: FLUSH
AH8845 MAGNETIC: N = NO MAGNETIC MATERIAL
AH8845 STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
AH8845 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AH8845 +SATELLITE: SATELLITE OBSERVATIONS - September 09, 2001
AH8845 ROD/PIPE-DEPTH: 17.8 meters
AH8845
AH8845 HISTORY - Date Condition Report By
AH8845 HISTORY - 1998 MONUMENTED FLDEP
AH8845 HISTORY - 20010909 GOOD FLDEP
AH8845
AH8845 STATION DESCRIPTION
AH8845
AH8845 DESCRIBED BY FL DEPT OF ENV PRO 1998 (JLM)
AH8845 THE MARK IS ABOUT 39.2 MI (63.1 KM) SOUTHEAST OF LAKE WALES IN SECTION
AH8845 28, TOWNSHIP 32 SOUTH, RANGE 32 EAST. TO REACH THE MARK FROM THE
AH8845 INTERSECTION OF STATE ROAD 27 AND STATE ROAD 60 IN LAKE WALES, GO
AH8845 EAST-SOUTHEAST ON STATE ROAD 60 FOR 26.9 MI (43.3 KM) TO THE WEST END
AH8845 OF THE BRIDGE OVER THE KISSIMMEE RIVER, CONTINUE EAST FOR 11.05 MI

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AH8845' (17.78 KM) TO THE JUNCTION OF A DIRT ROAD ON THE RIGHT, TURN RIGHT ON
AH8845' THE DIRT ROAD AND GO SOUTH FOR 5.6 MI (9.0 KM) TO A Y-JUNCTION, BEAR
AH8845' LEFT AND GO SOUTH ON THE DIRT ROAD FOR 2.6 MI (4.2 KM) TO A METAL GATE
AH8845' AND THE MARK ON THE LEFT, A STAINLESS STEEL ROD DRIVEN TO REFUSAL AT A
AH8845' DEPTH OF 58.5 FT (17.8 M) WITH A LOGO CAP FLUSH WITH THE GROUND AND
AH8845' LEVEL WITH THE ROAD, THE DATUM POINT IS RECESSED 0.3 FT (9.1 CM) BELOW
AH8845' THE LEVEL OF THE LOGO CAP. LOCATED 166.5 FT (50.7 M) WEST OF SURVEY
AH8845' MARK A 474 1998 AND A WOODEN DOCK LEADING NORTH, 15.0 FT (4.6 M) NORTH
AH8845' OF A BARBWIRE FENCE, 8.5 FT (2.6 M) SOUTH OF THE APPROXIMATE
AH8845' CENTERLINE OF THE ROAD AND A METAL GATE, 1.3 FT (0.4 M) EAST OF A
AH8845' CARSONITE WITNESS POST IN THE FENCE LINE AND 1.0 FT (0.3 M) EAST OF A
AH8845' METAL GUARDRAIL. NOTE ACCESS TO DATUM POINT IS HAD THROUGH A 5-INCH
AH8845' LOGO CAP.

AH8845
AH8845 STATION RECOVERY (2001)
AH8845
AH8845 RECOVERY NOTE BY FL DEPT OF ENV PRO 2001 (JLM)
AH8845 RECOVERED AS DESCRIBED.

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

The NGS Data Sheet

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

DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.58

1 National Geodetic Survey, Retrieval Date = FEBRUARY 7, 2008

AH8848 *****

AH8848 DESIGNATION - C 474
 AH8848 PID - AH8848
 AH8848 STATE/COUNTY- FL/OSCEOLA
 AH8848 USGS QUAD - FORT KISSIMMEE NW (1972)

AH8848
 AH8848 *CURRENT SURVEY CONTROL

AH8848*	NAD 83(1986)-	27 38 43.	(N)	081 08 05.	(W)	SCALED
AH8848*	NAVD 88	-	13.850 (meters)	45.44	(feet)	ADJUSTED

AH8848 GEOID HEIGHT- -26.32 (meters) GEOID03
 AH8848 DYNAMIC HT - 13.829 (meters) 45.37 (feet) COMP
 AH8848 MODELED GRAV- 979,163.5 (mgal) NAVD 88

AH8848 VERT ORDER - SECOND CLASS I

AH8848 The horizontal coordinates were scaled from a topographic map and have
 AH8848 an estimated accuracy of +/- 6 seconds.

AH8848 The orthometric height was determined by differential leveling
 AH8848 and adjusted in May 2004.

AH8848 The geoid height was determined by GEOID03.

AH8848 The dynamic height is computed by dividing the NAVD 88
 AH8848 geopotential number by the normal gravity value computed on the
 AH8848 Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AH8848 degrees latitude (g = 980.6199 gals.).

AH8848 The modeled gravity was interpolated from observed gravity values.

AH8848;		North	East	Units	Estimated Accuracy
AH8848;SPC FL E	-	366,910.	186,710.	MT	(+/- 180 meters Scaled)

AH8848 SUPERSEDED SURVEY CONTROL

AH8848	NAVD 88 (07/21/99)	13.838 (m)	45.40 (f)	UNKNOWN	2 1
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AH8848 Superseded values are not recommended for survey control.
 AH8848 NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 AH8848 See file [dsdata.txt](#) to determine how the superseded data were derived.

AH8848 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML867579(NAD 83)

AH8848_MARKER: DD = SURVEY DISK

AH8848_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AH8848_STAMPING: C 474 1998

AH8848_MARK LOGO: FLDEP

AH8848_MAGNETIC: N = NO MAGNETIC MATERIAL

AH8848_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AH8848+STABILITY: SURFACE MOTION

AH8848_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AH8848+SATELLITE: SATELLITE OBSERVATIONS - September 22, 2002

AH8848	HISTORY	- Date	Condition	Report By
AH8848	HISTORY	- 1998	MONUMENTED	FLDEP
AH8848	HISTORY	- 20010909	GOOD	FLDEP
AH8848	HISTORY	- 20020922	GOOD	FLDEP

AH8848
 AH8848 HISTORY - 1998 MONUMENTED FLDEP
 AH8848 HISTORY - 20010909 GOOD FLDEP
 AH8848 HISTORY - 20020922 GOOD FLDEP

AH8848 STATION DESCRIPTION

AH8848 DESCRIBED BY FL DEPT OF ENV PRO 1998 (JLM)
 AH8848 THE MARK IS ABOUT 40.2 MI (64.7 KM) SOUTHEAST OF LAKE WALES IN SECTION
 AH8848 33, TOWNSHIP 32 SOUTH, RANGE 32 EAST. TO REACH THE MARK FROM THE
 AH8848 INTERSECTION OF STATE ROAD 27 AND STATE ROAD 60 IN LAKE WALES, GO
 AH8848 EAST-SOUTHEAST ON STATE ROAD 60 FOR 26.9 MI (43.3 KM) TO THE WEST END
 AH8848 OF THE BRIDGE OVER THE KISSIMMEE RIVER, CONTINUE EAST FOR 11.05 MI

AH8848 (17.78 KM) TO THE JUNCTION OF A DIRT ROAD ON THE RIGHT, TURN RIGHT ON
AH8848 THE DIRT ROAD AND GO SOUTH FOR 5.6 MI (9.0 KM) TO A Y-JUNCTION, BEAR
AH8848 LEFT AND GO SOUTH ON THE DIRT ROAD FOR 2.55 MI (4.10 KM) TO THE
AH8848 JUNCTION OF A DIM TRAIL ON THE LEFT LEADING SOUTH, TURN LEFT ON THE
AH8848 DIM TRAIL AND GO SOUTH FOR 1.1 MI (1.8 KM) TO A METAL GATE AND THE
AH8848 MARK ON THE LEFT, SET IN THE TOP OF A ROUND CONCRETE MONUMENT LEVEL
AH8848 WITH THE GROUND AND 0.6 FT (18.3 CM) BELOW THE LEVEL OF THE TRAIL.
AH8848 LOCATED 26.6 FT (8.1 M) EAST OF A BARBWIRE FENCE LEADING NORTH, 15.0
AH8848 FT (4.6 M) EAST OF THE APPROXIMATE CENTERLINE OF THE BERM TRAIL, 14.0
AH8848 FT (4.3 M) WEST OF A BARBWIRE FENCE LEADING NORTH AND SOUTH AND 1.0 FT
AH8848 (0.3 M) NORTH OF A BARBWIRE FENCE AND A CARSONITE WITNESS POST.

AH8848
AH8848 STATION RECOVERY (2001)

AH8848 RECOVERY NOTE BY FL DEPT OF ENV PRO 2001 (JLM)
AH8848 RECOVERED AS DESCRIBED.

AH8848
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AH8848 STATION RECOVERY (2002)

AH8848 RECOVERY NOTE BY FL DEPT OF ENV PRO 2002 (JLM)
AH8848 RECOVERED AS DESCRIBED.

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

The NGS Data Sheet

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

DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.58

1 National Geodetic Survey, Retrieval Date = FEBRUARY 7, 2008

AH8847 *****

AH8847 DESIGNATION - B 474
 AH8847 PID - AH8847
 AH8847 STATE/COUNTY- FL/OSCEOLA
 AH8847 USGS QUAD - FORT KISSIMMEE NW (1972)

AH8847
 AH8847 *CURRENT SURVEY CONTROL

AH8847*	NAD 83(1986)-	27 39 18.	(N)	081 07 54.	(W)	SCALED
AH8847*	NAVD 88	-	14.410 (meters)	47.28	(feet)	ADJUSTED

AH8847
 AH8847 GEOID HEIGHT- -26.34 (meters) GEOID03
 AH8847 DYNAMIC HT - 14.389 (meters) 47.21 (feet) COMP
 AH8847 MODELED GRAV- 979,165.2 (mgal) NAVD 88

AH8847 VERT ORDER - SECOND CLASS I

AH8847
 AH8847 The horizontal coordinates were scaled from a topographic map and have
 AH8847 an estimated accuracy of +/- 6 seconds.

AH8847
 AH8847 The orthometric height was determined by differential leveling
 AH8847 and adjusted in January 2008.

AH8847
 AH8847 The geoid height was determined by GEOID03.

AH8847
 AH8847 The dynamic height is computed by dividing the NAVD 88
 AH8847 geopotential number by the normal gravity value computed on the
 AH8847 Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AH8847 degrees latitude (g = 980.6199 gals.).

AH8847
 AH8847 The modeled gravity was interpolated from observed gravity values.

AH8847;		North	East	Units	Estimated Accuracy
AH8847;SPC FL E	-	367,990.	187,010.	MT	(+/- 180 meters Scaled)

AH8847
 AH8847 SUPERSEDED SURVEY CONTROL

AH8847	NAVD 88 (07/21/99)	14.401 (m)	47.25 (f)	UNKNOWN	2 1
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AH8847
 AH8847 Superseded values are not recommended for survey control.
 AH8847 NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 AH8847 See file [dsdata.txt](#) to determine how the superseded data were derived.

AH8847
 AH8847 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML870589(NAD 83)

AH8847_MARKER: DD = SURVEY DISK
 AH8847_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 AH8847_STAMPING: B 474 1998

AH8847_MARK LOGO: FLDEP
 AH8847_MAGNETIC: N = NO MAGNETIC MATERIAL
 AH8847_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 AH8847+STABILITY: SURFACE MOTION
 AH8847_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 AH8847+SATELLITE: SATELLITE OBSERVATIONS - September 22, 2002

AH8847	HISTORY	- Date	Condition	Report By
AH8847	HISTORY	- 1998	MONUMENTED	FLDEP
AH8847	HISTORY	- 20010909	GOOD	FLDEP
AH8847	HISTORY	- 20020922	GOOD	FLDEP

AH8847
 AH8847 STATION DESCRIPTION

AH8847 DESCRIBED BY FL DEPT OF ENV PRO 1998 (JLM)
 AH8847 THE MARK IS ABOUT 39.5 MI (63.6 KM) SOUTHEAST OF LAKE WALES IN SECTION
 AH8847 33, TOWNSHIP 32 SOUTH, RANGE 32 EAST. TO REACH THE MARK FROM THE
 AH8847 INTERSECTION OF STATE ROAD 27 AND STATE ROAD 60 IN LAKE WALES, GO
 AH8847 EAST-SOUTHEAST ON STATE ROAD 60 FOR 26.9 MI (43.3 KM) TO THE WEST END
 AH8847 OF THE BRIDGE OVER THE KISSIMMEE RIVER, CONTINUE EAST FOR 11.05 MI

AH8847'(17.78 KM) TO THE JUNCTION OF A DIRT ROAD ON THE RIGHT, TURN RIGHT ON
AH8847'THE DIRT ROAD AND GO SOUTH FOR 5.6 MI (9.0 KM) TO A Y-JUNCTION, BEAR
AH8847'LEFT AND GO SOUTH ON THE DIRT ROAD FOR 2.55 MI (4.10 KM) TO THE
AH8847'JUNCTION OF A DIM TRAIL ON THE LEFT LEADING SOUTH ALONG THE FENCE
AH8847'LINE, TURN LEFT ON THE DIM TRAIL AND GO SOUTH FOR 0.4 MI (0.6 KM) TO
AH8847'THE MARK ON THE LEFT, SET IN TOP OF A ROUND CONCRETE MONUMENT 0.1 FT
AH8847'(3.0 CM) ABOVE THE LEVEL OF THE GROUND AND THE TRAIL. LOCATED
AH8847'APPROXIMATELY 75.0 FT (22.9 M) EAST OF KISSIMMEE RIVER, 24.2 FT (7.4
AH8847'M) EAST OF THE APPROXIMATE CENTERLINE OF THE BERM TRAIL AND 1.3 FT
AH8847'(0.4 M) WEST OF A CARSONITE WITNESS POST AND BARBWIRE FENCE.

AH8847
AH8847 STATION RECOVERY (2001)
AH8847

AH8847'RECOVERY NOTE BY FL DEPT OF ENV PRO 2001 (JLM)
AH8847'RECOVERED AS DESCRIBED.

AH8847'

AH8847'

AH8847'

AH8847

AH8847 STATION RECOVERY (2002)

AH8847

AH8847'RECOVERY NOTE BY FL DEPT OF ENV PRO 2002 (JLM)

AH8847'RECOVERED AS DESCRIBED.

*** retrieval complete.

Elapsed Time = 00:00:00