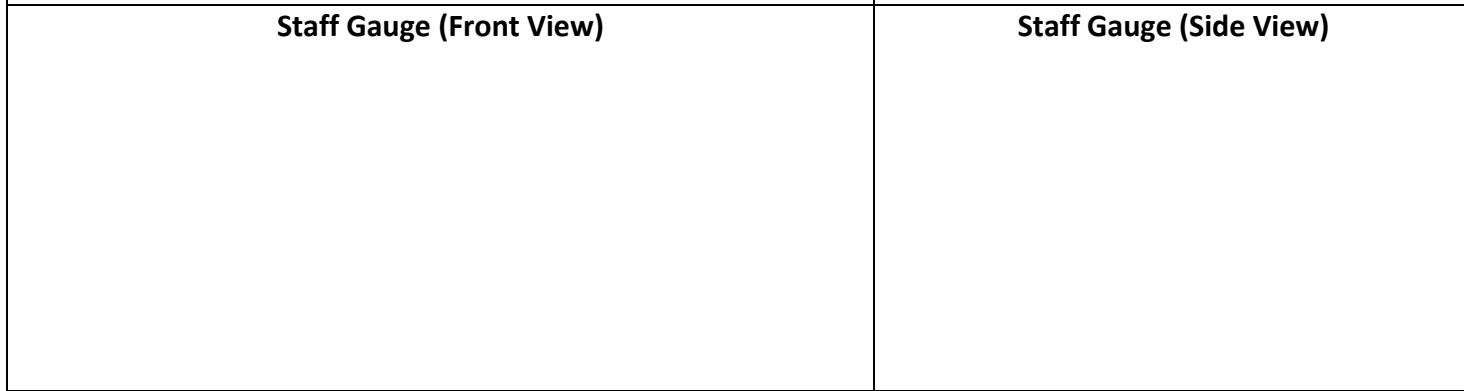
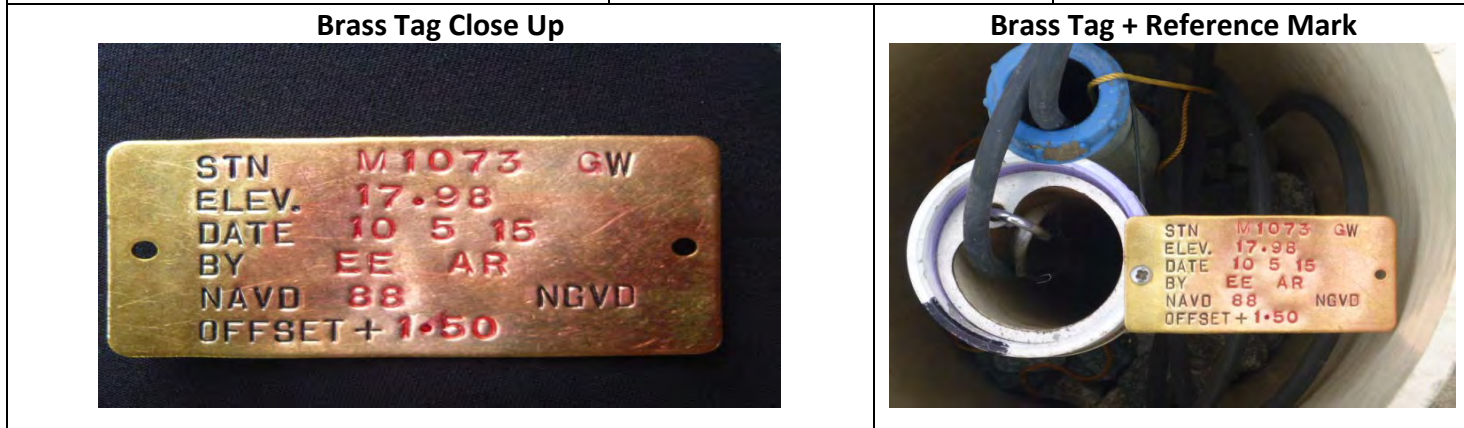
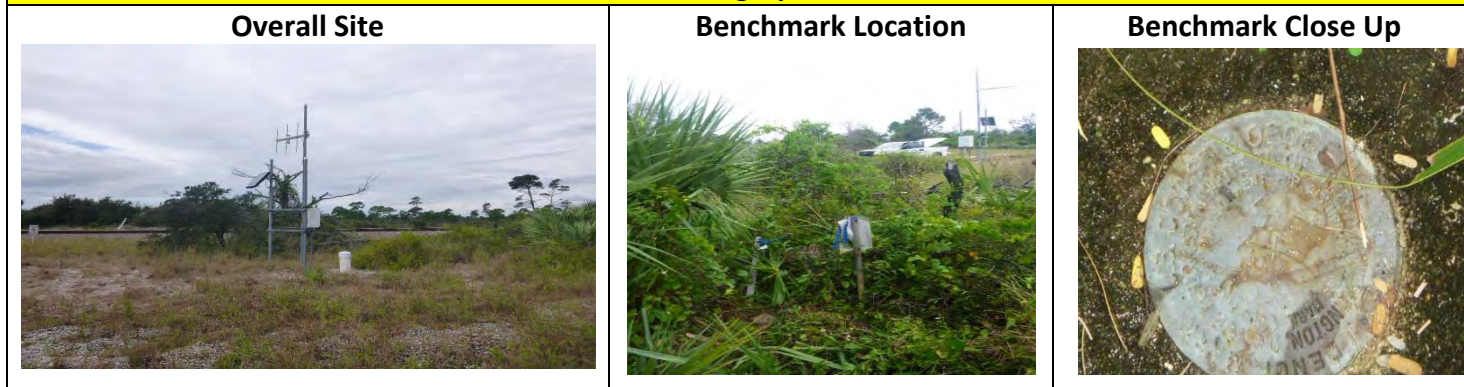


Site Name 1073 GW		Date of Field Work 10/5/2015
Party Chief Ebanks/Rodriguez	Field Book Name/Number SCADA FB #11	Page Number(s) Pg. 79
Site Benchmark Name BM X-224 1965	Benchmark Elevation (NAVD88) 17.29ft	Datum Offset to NGVD29 +1.50
Reference Elevation (NAVD 88) 17.98ft		Existing Tag Elevation (Datum) 19.48ft (NGVD 29)
Latitude 27° 01' 17.8"		Longitude 80° 07' 00"
Notes: Datum Upgrade to NAVD 88 from NGVD 29		

Photographs



Frank's Rodriguez

sec 3 TWP 41 Rge 42

Establish Measuring pt. Elevation for C-18 GW Well @ h-46

HTA	+	ht. I.	-	Elev	Remarks
BM X 224	4.21	19.223		15.013	FND.

FND Brass Disk NGVD EL. 18.07 MVD EL 16.54	4.02	20.513	2.73	16.493	Brass Disk on well pad
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C-18 GW	1.16	19.353			on Sensor Flange
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h-46 T/W well.	1.92	18.593 (18.596)			
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Frank's Rodriguez

sec. 11. TWP 40 Rge 42

Establish Ref. Elev. for Wells @ M-1071 @ J.D. Park.

HTA	+	ht. I.	-	Elev	Remarks
BM M-1071	4.78	14.08		9.30	FND Good.

M 1071 GW 1			1.785	12.295	
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M 1071 GW 2			2.714	11.366	
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BM M-1071			4.78	9.30 ✓	
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FOR M-1073

sec. 2 TWP. 40 Rge 42

BM X 224	4.56	21.85		17.290	(1.50) FND.
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M-1073 GW			3.87	17.98	(2A) (10.48)
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BM X 224			4.56	17.29 ✓	
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The NGS Data Sheet

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



```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,   Retrieval Date = OCTOBER 15
AF3042 *****
AF3042 DESIGNATION - X 224
AF3042 PID - AF3042
AF3042 STATE/COUNTY- FL/MARTIN
AF3042 COUNTRY - US
AF3042 USGS QUAD - HOBE SOUND (1983)
AF3042
AF3042 *CURRENT SURVEY CONTROL
AF3042
AF3042* NAD 83(1986) POSITION- 27 01 19.1 (N) 080 07 02.7 (W) HD HELD2
AF3042* NAVD 88 ORTHO HEIGHT - 5.270 (meters) 17.29 (feet) ADJUSTED
AF3042
AF3042 GEOID HEIGHT - -27.574 (meters) GEOID12B
AF3042 DYNAMIC HEIGHT - 5.262 (meters) 17.26 (feet) COMP
AF3042 MODELED GRAVITY - 979,095.9 (mgal) NAVD 88
AF3042
AF3042 VERT ORDER - FIRST CLASS I
AF3042
AF3042.The horizontal coordinates were established by autonomous hand held GPS
AF3042.observations and have an estimated accuracy of +/- 10 meters.
AF3042.
AF3042.The orthometric height was determined by differential leveling and
AF3042.adjusted by the NATIONAL GEODETIC SURVEY
AF3042.in June 1991.
AF3042
AF3042.Significant digits in the geoid height do not necessarily reflect accuracy.
AF3042.GEOID12B height accuracy estimate available here.
AF3042
AF3042.The dynamic height is computed by dividing the NAVD 88
AF3042.geopotential number by the normal gravity value computed on the
AF3042.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AF3042.degrees latitude (g = 980.6199 gals.).
AF3042
AF3042.The modeled gravity was interpolated from observed gravity values.
AF3042
AF3042; North East Units Estimated Accuracy
AF3042;SPC FL E - 298,145. 287,581. MT (+/- 10 meters HH2 GPS)
AF3042
AF3042 SUPERSEDED SURVEY CONTROL
AF3042
AF3042 NGVD 29 (??/??/92) 5.731 (m) 18.80 (f) ADJ UNCH 1 1
AF3042
AF3042.Superseded values are not recommended for survey control.
AF3042
AF3042.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AF3042.See file dsdata.txt to determine how the superseded data were derived.
AF3042
AF3042_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK8755089175(NAD 83)
AF3042
AF3042_MARKER: DB = BENCH MARK DISK
AF3042_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
AF3042_STAMPING: X 224 1965
AF3042_MARK LOGO: CGS
AF3042_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AF3042+STABILITY: SURFACE MOTION

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AF3042_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR
 AF3042+SATELLITE: SATELLITE OBSERVATIONS - June 25, 2011

AF3042

AF3042	HISTORY	- Date	Condition	Report By
AF3042	HISTORY	- 1965	MONUMENTED	CGS
AF3042	HISTORY	- 1972	GOOD	NGS
AF3042	HISTORY	- 1987	GOOD	USPSQD
AF3042	HISTORY	- 1990	GOOD	USPSQD
AF3042	HISTORY	- 19910124	GOOD	NGS
AF3042	HISTORY	- 20110625	GOOD	GEOCAC

AF3042

AF3042 STATION DESCRIPTION

AF3042

AF3042'DESCRIBED BY COAST AND GEODETIC SURVEY 1965

AF3042'2.6 MI SE FROM HOBE SOUND.

AF3042'ABOUT 2.65 MILES SOUTHEAST ALONG THE FLORIDA EAST COAST RAILWAY

AF3042'FROM THE POST OFFICE AT HOBE SOUND, 0.05 MILE SOUTH OF MILEPOST

AF3042'277 OR 345 FEET, 31.6 FEET EAST OF THE EAST RAIL, 82 FEET

AF3042'NORTHEAST OF AND ACROSS TRACK FROM THE 3RD TELEPHONE POLE SOUTH

AF3042'OF MILEPOST 277, 45 FEET WEST OF THE CENTER LINE OF A BLACK TOP

AF3042'ROAD, 1 FOOT SOUTH OF A METAL WITNESS POST, ABOUT LEVEL WITH

AF3042'THE TRACK AND SET IN THE TOP OF A CONCRETE POST PROJECTING 3

AF3042'INCHES ABOVE THE LEVEL OF THE GROUND. IN SECTION 2 R 42 E, T 40 S.

AF3042

AF3042 STATION RECOVERY (1972)

AF3042

AF3042'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1972

AF3042'RECOVERED IN GOOD CONDITION.

AF3042

AF3042 STATION RECOVERY (1987)

AF3042

AF3042'RECOVERY NOTE BY US POWER SQUADRON 1987 (FGH)

AF3042'RECOVERED IN GOOD CONDITION.

AF3042

AF3042 STATION RECOVERY (1990)

AF3042

AF3042'RECOVERY NOTE BY US POWER SQUADRON 1990 (DHF)

AF3042'RECOVERED IN GOOD CONDITION.

AF3042

AF3042 STATION RECOVERY (1991)

AF3042

AF3042'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1991

AF3042'4.8 KM (3.0 MI) SOUTHERLY ALONG THE FLORIDA EAST COAST RAILROAD FROM

AF3042'THE JUNCTION OF COUNTY ROAD 708 (SOUTHEAST BRIDGE ROAD) IN HOBE

AF3042'SOUND, 14.4 M (47.2 FT) SOUTHWEST OF AND LEVEL WITH THE CENTER OF A

AF3042'TRACK ROAD, 9.6 M (31.5 FT) NORTHEAST OF THE NEAR RAIL, 0.5 M (1.6

AF3042'FT) NORTHWEST OF A WITNESS POST, 0.5 M (1.6 FT) SOUTHEAST OF A

AF3042'WITNESS POST, AND THE MONUMENT PROJECTS 0.1 M (0.3 FT) ABOVE THE

AF3042'GROUND SURFACE.

AF3042

AF3042 STATION RECOVERY (2011)

AF3042

AF3042'RECOVERY NOTE BY GEOCACHING 2011 (JL)

AF3042'FOUND AT N 27 01.333 W 80 07.048

AF3042'

AF3042'LOCATED 375 FT SE OF RAILROAD MILEPOST 277, 120 FT NW OF A SFWMD

AF3042'SOLAR-POWERED WATER MONITORING STATION, AND 1 FT NORTH OF A WITNESS

AF3042'POST.

*** retrieval complete.

Elapsed Time = 00:00:09