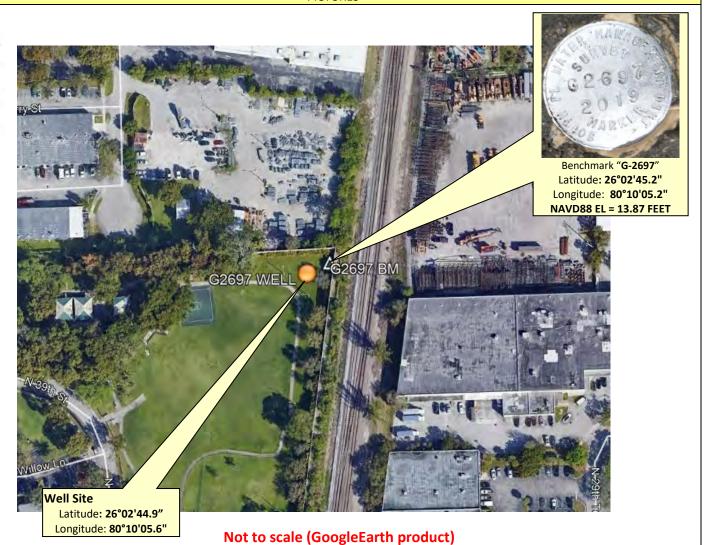


Rev. 1/16

S.G.S. Station Name: U.S.G.S. Station Number: 260242080101101				d Work:					
Field Book: SFWMD #1		5):		Report Prepared by: DEWBERRY					
SITE SPEC	IFIC DAT	·A							
Benchmark Elevation(s) (NAVD88):		Corpscon 6.0.1	Conversion Factor (NAVD88 to NGVD29)						
13.87 feet		+ 1.60 feet							
VD88):	Groun	d Elevation (N	4 <i>VD88)</i> :	Pad Elevation (NAVD88):					
	10.30			N/A					
GEOGRAP	HIC DAT	Α							
Township 51 SOU	TH		Range 42 EAST						
Well Longitude:	Locati	on Source:							
80°10'05.63"W	AVERA	AGED FPRN & 1	TRIMBLE VRS	NOW RTK					
Northing (Y) = 623218'	Eastin	g (X) = 929262'							
	260242080101101 Field Book: SFWMD #1 SITE SPECT Benchmark Elevation(s) (NAVD88): 13.87 feet VD88): GEOGRAP Township 51 SOU Well Longitude: 80°10'05.63"W	260242080101101 Field Book: SFWMD #1 SITE SPECIFIC DAT Benchmark Elevation(s) (NAVD88): 13.87 feet VD88): Groun 10.30 GEOGRAPHIC DAT Township 51 SOUTH Well Longitude: 80°10'05.63"W AVERA	260242080101101 Field Book: SFWMD #1 SITE SPECIFIC DATA Benchmark Elevation(s) (NAVD88): 13.87 feet VD88): Ground Elevation (NATO 10.30) GEOGRAPHIC DATA Township 51 SOUTH Well Longitude: 80°10'05.63"W AVERAGED FPRN & T	260242080101101 Field Book: SFWMD Page(s): 15-17 SITE SPECIFIC DATA Benchmark Elevation(s) (NAVD88): 13.87 feet VD88): Ground Elevation (NAVD88): 10.30 GEOGRAPHIC DATA Township 51 SOUTH Well Longitude: 80°10'05.63"W D9/19/19 Corpscon 6.0.1 Conversion Far + 1.60 feet Location Source: AVERAGED FPRN & TRIMBLE VRSI					

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 FI.

PICTURES





Rev. 1/16

Well Site and Well Head





Reference Point El. =

11.75 feet NAVD88

Distance to water =
-11.60 feet from reference point
(09/19/19 at 02:45 PM)





Rev. 1/16

New Aluminum Tag





LISCS DM-
USGS RMs
NOTE: THERE ARE NO USGS REFERENCE MONUMENTS IN THE VICINITY OF WELL G-2697.











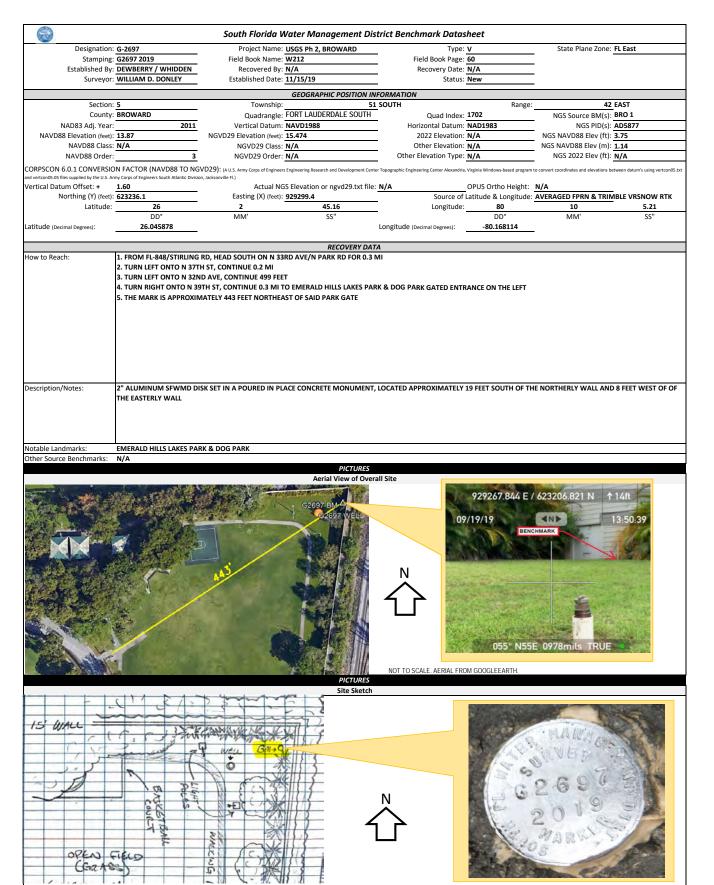
Rev. 1/16

Source Benchmarks





Longitude: **80°08'07.3**" NAVD88 EL = 3.75 FEET



Page 1 of 1



Rev. 1/16

"BRO 1" Benchmark Datasheet (1 of 3)

The NGS Data Sheet

See file dsdata.pdf for more information about the datasheet.

```
PROGRAM = datasheet95, VERSION = 8.12.5.4
1 National Geodetic Survey, Retrieval Date = OCTOBER 22, 2019
AD5877 *****************
 AD5877 DESIGNATION - BRO 1
AD5877 PID
                  - AD5877
AD5877 STATE/COUNTY- FL/BROWARD
        COUNTRY - US
 AD5877 USGS QUAD - FORT LAUDERDALE SOUT (1994)
AD5877
AD5877
                              *CURRENT SURVEY CONTROL
AD5877
AD5877* NAD 83(1986) POSITION- 26 03 21.4 (N) 080 08 07.3
                                                             (W) HD HELD2
 AD5877* NAVD 88 ORTHO HEIGHT -
                                 1.144 (meters)
                                                      3.75 (feet) ADJUSTED
AD5877 GEOID HEIGHT -
                                -25.678 (meters)
AD5877 DYNAMIC HEIGHT -
                                                     3.75 (feet) COMP
                                 1.142 (meters)
 AD5877 MODELED GRAVITY - 979,052.8 (mgal)
                                                                   NAVD 88
AD5877
AD5877 VERT ORDER - SECOND CLASS I
 AD5877. The horizontal coordinates were established by autonomous hand held GPS
AD5877.observations and have an estimated accuracy of +/- 10 meters.
AD5877. The orthometric height was determined by differential leveling and
 AD5877.adjusted by the NATIONAL GEODETIC SURVEY
 AD5877.in June 1991.
 AD5877
AD5877. Significant digits in the gooid height do not necessarily reflect accuracy.
AD5877.GEOID18 height accuracy estimate available here.
 AD5877.Click here to see if photographs exist for this station.
 AD5877
 AD5877. The dynamic height is computed by dividing the NAVD 88
 AD5877.geopotential number by the normal gravity value computed on the
AD5877.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AD5877.degrees latitude (g = 980.6199 gals.).
 AD5877
AD5877. The modeled gravity was interpolated from observed gravity values.
 AD5877
 AD5877:
                          North
                                      East Units Estimated Accuracy
                                                MT (+/- 10 meters HH2 GPS)
 AD5877; SPC FL E - 191,099.
                                    286,522.
AD5877 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNJ8649282166(NAD 83)
AD5877
 AD5877
                               SUPERSEDED SURVEY CONTROL
 AD5877
AD5877 NGVD 29 (09/01/92) 1.634 (m)
                                               5.36 (f) ADJUSTED 2 1
AD5877
AD5877. Superseded values are not recommended for survey control.
AD5877
AD5877.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
```



Rev. 1/16

"BRO 1" Benchmark Datasheet (2 of 3)

```
AD5877. See file dsdata.pdf to determine how the superseded data were derived.
AD5877 MARKER: DD = SURVEY DISK
AD5877 SETTING: 35 = SET IN A MAT FOUNDATION OR CONCRETE SLAB OTHER THAN
AD5877+WITH SETTING: PAVEMENT
AD5877 SP SET: WATER MAIN FOUNDATION
AD5877 STAMPING: BRO 1 1981 BSM
AD5877 MARK LOGO: FLDNR
AD5877 STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AD5877+STABILITY: SURFACE MOTION
AD5877_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AD5877+SATELLITE: SATELLITE OBSERVATIONS - August 01, 2008
AD5877 HISTORY
                   - Date
                            Condition
                                              Report By
                            MONUMENTED
AD5877 HISTORY
                  - 1981
AD5877 HISTORY
                  - 1990
                            GOOD
                  - 1990 GOOD
                                             USPSQD
AD5877 HISTORY
                                             USPSQD
AD5877 HISTORY
                   - 19910618 GOOD
AD5877
       HISTORY
                  - 19950715 GOOD
                                              USPSOD
AD5877 HISTORY
                   - 19980312 GOOD
                  - 20021029 GOOD
AD5877 HISTORY
AD5877 HISTORY
                  - 20080801 GOOD
AD5877 HISTORY
                  - 20091224 GOOD
                                           INDIV
AD5877 HISTORY - 20170311 GOOD
                                              USPSOD
AD5877
                               STATION DESCRIPTION
AD5877
AD5877'DESCRIBED BY FL DEPT OF NAT RES 1981
AD5877'IN DANIA.
AD5877'BEGIN AT THE U.S. HIGHWAY 1 BRIDGE OVER THE DANIA CANAL, GO SOUTH 0.25
AD5877 MILE ON U.S. HIGHWAY 1 TO THE INTERSECTION OF NORTHEAST 2ND ST. GO
AD5877'0.5 MILE EAST ON NORTHEAST 2ND ST TO THE MARK. THE MARK IS SET IN
AD5877'THE NORTHEAST CORNER OF A 9.4-FOOT BY 4.7-FOOT CONCRETE FOUNDATION
AD5877'BOX FOR A WATER METER MAIN. THE MARK BEARS 33.1 FEET SOUTH OF THE
AD5877'CENTERLINE OF NORTHEAST 2ND ST, 59.5 FEET SOUTHEAST OF THE CENTERLINE
AD5877'OF NORTHEAST STH AVE, 85 FEET EAST OF THE NORTHEAST CORNER OF THE
AD5877 FENCE AROUND THE PARKING LOT FOR THE DANIA JAI ALAI, AND 19.2 FEET
AD5877'WEST OF THE CENTERLINE OF THE WESTERNMOST DRIVE FOR THE VILLAGE CLUB
AD5877'APARTMENTS.
AD5877'THE MARK IS ABOVE LEVEL WITH GROUND.
ADSR77
AD5877
                              STATION RECOVERY (1990)
AD5877
AD5877'RECOVERY NOTE BY US POWER SQUADRON 1990 (EM)
AD5877'RECOVERED IN GOOD CONDITION.
AD5877
AD5877
                              STATION RECOVERY (1990)
AD5877'RECOVERY NOTE BY US POWER SQUADRON 1990 (JHH)
AD5877'RECOVERED IN GOOD CONDITION.
AD5877
                               STATION RECOVERY (1991)
AD5877
AD5877'RECOVERY NOTE BY US POWER SQUADRON 1991 (JHH)
AD5877'RECOVERED IN GOOD CONDITION.
AD5877
AD5877
                               STATION RECOVERY (1995)
AD5877'RECOVERY NOTE BY US POWER SQUADRON 1995
AD5877'RECOVERED IN GOOD CONDITION.
```



Rev. 1/16

"BRO 1" Benchmark Datasheet (3 of 3)

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AD5877
AD5877
                             STATION RECOVERY (1998)
AD5877
AD5877'RECOVERY NOTE BY US POWER SQUADRON 1998
AD5877'RECOVERED IN GOOD CONDITION.
AD5877
                         STATION RECOVERY (2002)
AD5877
AD5877
AD5877'RECOVERY NOTE BY US POWER SQUADRON 2002 (AM)
AD5877'RECOVERED IN GOOD CONDITION.
AD5877
AD5877
                             STATION RECOVERY (2008)
AD5877
AD5877'RECOVERY NOTE BY MAPTECH INCORPORATED 2008 (JML)
AD5877'RECOVERD AS DESCRIBED
                         STATION RECOVERY (2009)
AD5877
AD5877
AD5877'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2009 (ED)
AD5877'RECOVERED IN GOOD CONDITION.
AD5877
AD5877
                              STATION RECOVERY (2017)
AD5877
AD5877'RECOVERY NOTE BY US POWER SQUADRON 2017 (CAC)
AD5877'RECOVERED IN GOOD CONDITION.
*** retrieval complete.
Elapsed Time = 00:00:02
```

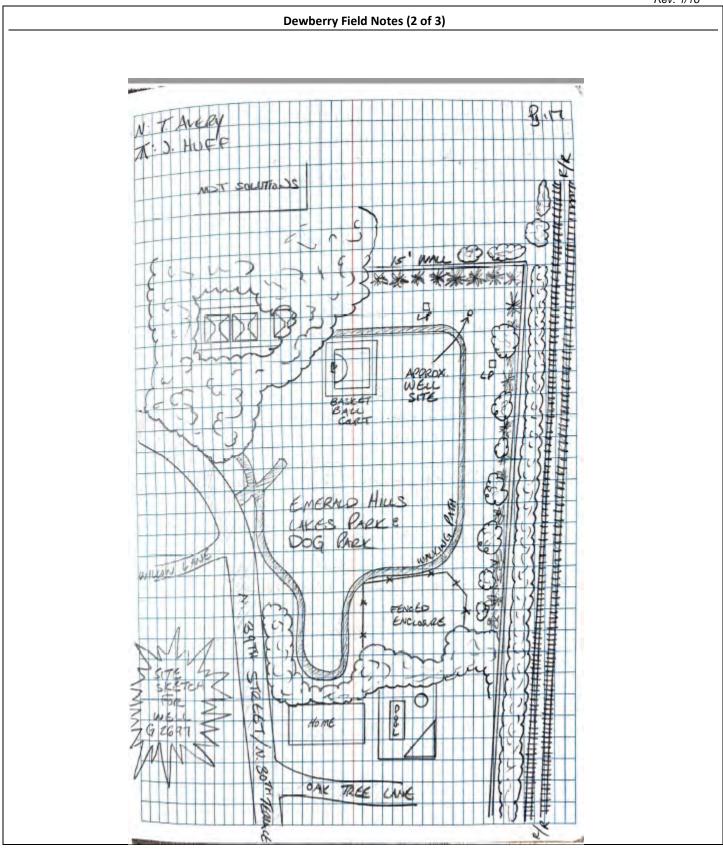


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						Dev	vberry Field	d Notes (2 of 3)
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			WELL S	TE: 6-2	697			CASTAGE
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	395	4.01	18.100	7.52	7:645	76.476		GRUMB, SHOT, OD N. EUB OF WELL CASING
	29'/24'			25 /49			10.295	
	121		11010	199				
				6.32				
BM			10407		6.1950	97 875	H.965	
			17.940	6.07		71.00	11.745	MEASURING POINT BIN EDGE OF WELL CASUM
				25/49				greating (mp)
# Back	K 567	-UP						
	6.17			9.045				
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	5.975		17.953	3.805			13.868	ALMINUM DISC "SFUMO SCRIEV MERER
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