

(1)	Bloward Co.	WELLS 18#1	04/30/97	BROWARD CO. WELLS 18#1 04/30/97 \$ 60
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	431, 13	.80	9.49	
	9.34			
N.		4.67	9.13	
	1	8.98		
	520 14	33		
8	7.45	1/ 22		
		24.13	91.40	
	11/1/1/2	90		
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AV.		\$.18	1024	
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		11.50		
				5,22



Survey Data Entry and Retrieval Application (SDERA) Print Output

Control Point Search Results

Derived Data - Denoted By:

Designation	BF01	Record State	ACCEPTED
NGS PID			
Project Name	BF01 WELL SITE	Date Entered/Updated	01/05/2016
Updated By	hehmke	Status	
Party Chief	EBANKS, ELVIE	Type	V
Monument Set Ry	SOUTH FLORIDA WATER MANAGEMENT DISTRICT	Date Established	01/01/1997
County	BROWARD COUNTY	Section	20
Township	49	Range	42
Quadrangle	FORT LAUDERDALE NORTH	Offset (29 to 88)	
NGS Source BM		CCR Link	
Ctrl Pt Source(s)			

<u>Horizontal</u>	NAD 1927	NAD 1983	Vertical	NGVD 1929	NAVD 1988
Latitude		26 10 24.2	Class		
Longitude		80 10 42.4	Order	3	3
Northing(Y)			Elevation	9.38	7.809
Easting(X)			Measurement Unit	Feet	Feet
Class					
Order					
NAD83 Adj Year					

Field Book

BROWARD CO WELLS 1

Field Book Pages

20

Stamping

BF-01 1997

How to Reach

Located at South Florida Water Management District's (SFWMD's) Structure-36 (Canal 13) on the North side between NW 31 Avenue and NW 21 Avenue.

Benchmark is a SFWMD aluminum cap stamped BF-01 1997, set on the Southwest corner of the concrete slab at monitoring well BF-1.

NGS Source Benchmark: 10.99 (DL2220)

Source benchmark is Broward county benchmark 2445. El. 10.997 NGVD 1929. (HJE 5-mar-08)

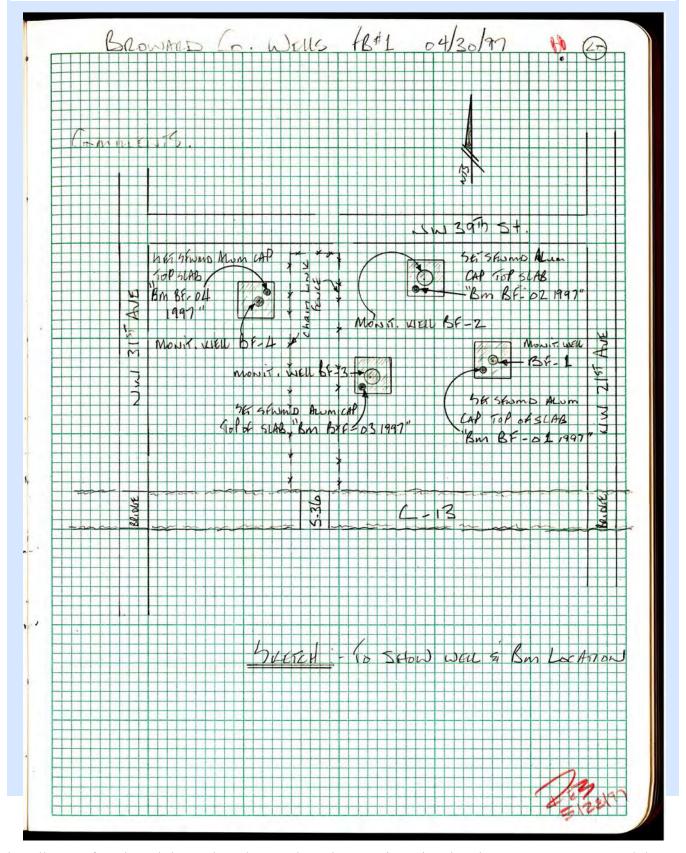
Description

A SFWMD aluminum cap.

DISCLAIMER:

The South Florida Water Management District (hereinafter referred to as the DISTRICT) shall

not be held liable for improper or incorrect use of the data, information, apparatus, products, processes or materials described and/or contained herein. These data, information, apparatus, products, processes, materials and related graphics are not legal documents and are not intended to be used as such. The user hereby recognizes that the information, data, apparatus, products, processes and materials are dynamic and may change over time without notice. However, the DISTRICT makes no commitment to update the information, data, apparatus, products, processes or materials contained herein.





Survey Data Entry and Retrieval Application (SDERA) Print Output

Control Point Search Results

Derived Data - Denoted By:

Designation	BF02	Record State	ACCEPTED
NGS PID			
Project Name	BF02 WELL SITE	Date Entered/Updated	01/05/2016
Updated By	hehmke	Status	
Party Chief	EBANKS, ELVIE	Type	V
Monument Set By	SOUTH FLORIDA WATER MANAGEMENT DISTRICT	Date Established	01/01/1997
County	BROWARD COUNTY	Section	20
Township	49	Range	42
Quadrangle	FORT LAUDERDALE NORTH	Offset (29 to 88)	
NGS Source BM		CCR Link	
Ctrl Pt Source(s)			

<u>Horizontal</u>	NAD 1927	NAD 1983	Vertical	NGVD 1929	NAVD 1988
Latitude		26 10 24.3	Class		
Longitude		80 10 43.2	Order	3	3
Northing(Y)			Elevation	8.065	6.499
Easting(X)			Measurement Unit	Feet	Feet
Class					
Order					
NAD83 Adj Year					

Field Book

BROWARD CO WELLS 1

Field Book Pages

20

Stamping

BF-02 1997

How to Reach

Located at South Florida Water Management District's (SFWMD's) Structure-36 (Canal 13) on the North side between NW 31 Avenue and NW 21 Avenue.

Benchmark is a SFWMD aluminum cap stamped BF-02 1997, set on the Southwest corner of the concrete slab at monitoring well BF-2.

NGS Source Benchmark: 10.99 (DL2220)

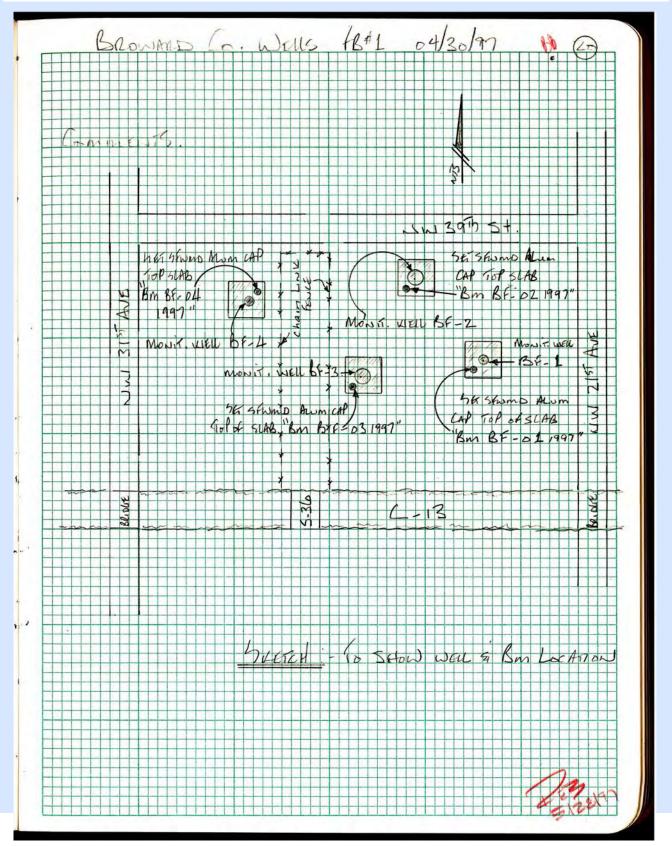
Description

A SFWMD aluminum cap

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Survey Data Entry and Retrieval Application (SDERA) Print Output

Control Point Search Results

Derived Data - Denoted By:

Designation	BF03	Record State	ACCEPTED
NGS PID			
Project Name	BF03 WELL SITE	Date Entered/Updated	01/05/2016
Updated By	hehmke	Status	
Party Chief	EBANKS, ELVIE	Type	V
Monument Set By	SOUTH FLORIDA WATER MANAGEMENT DISTRICT	Date Established	01/01/1997
County	BROWARD COUNTY	Section	20
Township	49	Range	42
Quadrangle	FORT LAUDERDALE NORTH	Offset (29 to 88)	
NGS Source BM		CCR Link	
Ctrl Pt Source(s)			

<u>Horizontal</u>	NAD 1927	NAD 1983	<u>Vertical</u>	NGVD 1929	NAVD 1988
Latitude		26 10 23.3	Class		
Longitude		80 10 45.2	Order	3	3
Northing(Y)			Elevation	9.98	8.409
Easting(X)			Measurement Unit	Feet	Feet
Class					
Order					
NAD83 Adj Year					

Field Book

BROWARD CO WELLS 1

Field Book Pages

20

Stamping

BF-03 1997

How to Reach

Located at South Florida Water Management District's (SFWMD's) Structure-36 (Canal 13) on the North side between NW 31 Avenue and NW 21 Avenue.

Benchmark is a SFWMD aluminum cap stamped BF-03 1997, set on the Southwest corner of the concrete slab at monitoring well BF-3.

NGS Source Benchmark: 10.99 (DL2220)

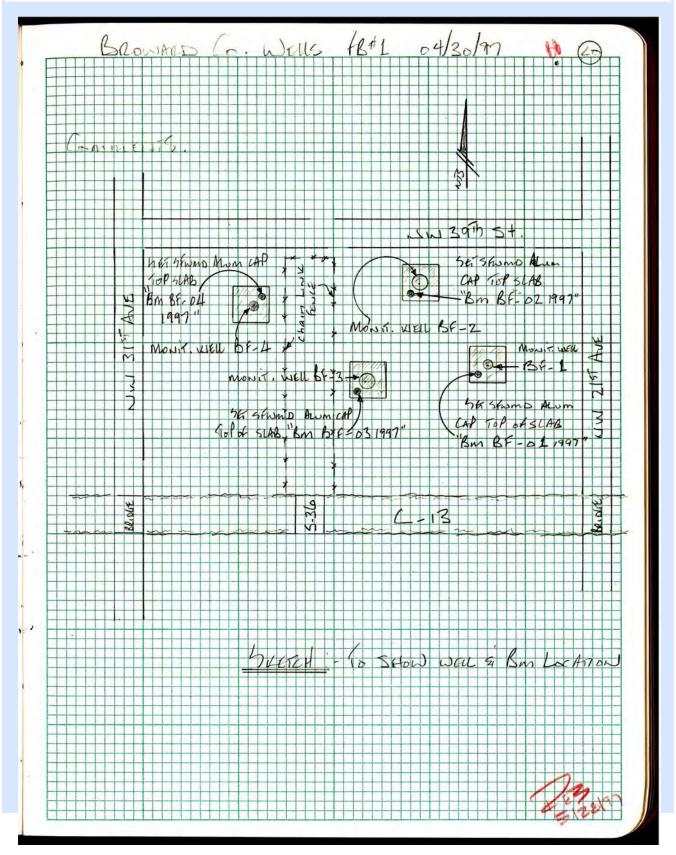
Description

A SFWMD aluminum cap

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Survey Data Entry and Retrieval Application (SDERA) Print Output

Control Point Search Results

Derived Data - Denoted By:

Designation	BF04	Record State	ACCEPTED
NGS PID			
Project Name	BF04 WELL SITE	Date Entered/Updated	01/05/2016
Updated By	hehmke	Status	
Party Chief	EBANKS, ELVIE	Type	V
Monument Set By	SOUTH FLORIDA WATER MANAGEMENT DISTRICT	Date Established	01/01/1997
County	BROWARD COUNTY	Section	20
Township	49	Range	42
Quadrangle	FORT LAUDERDALE NORTH	Offset (29 to 88)	
NGS Source BM		CCR Link	
Ctrl Pt Source(s)			

<u>Horizontal</u>	NAD 1927	NAD 1983	Vertical	NGVD 1929	NAVD 1988
Latitude		26 10 24.2	Class		
Longitude		80 10 47.3	Order	3	3
Northing(Y)			Elevation	10.15	8.579
Easting(X)			Measurement Unit	Feet	Feet
Class					
Order					
NAD83 Adj Year					

Field Book

Broward County Wells 1

Field Book Pages

20

Stamping

BF-04 1997

How to Reach

Located at South Florida Water Management District's (SFWMD's) Structure-36 (Canal 13) on the North side between NW 31 Avenue and NW 21 Avenue.

Benchmark is a SFWMD aluminum cap stamped BF-04 1997, set on the Southwest corner of the concrete slab at monitoring well BF-4.

NGS Source Benchmark: 10.99 (DL2220)

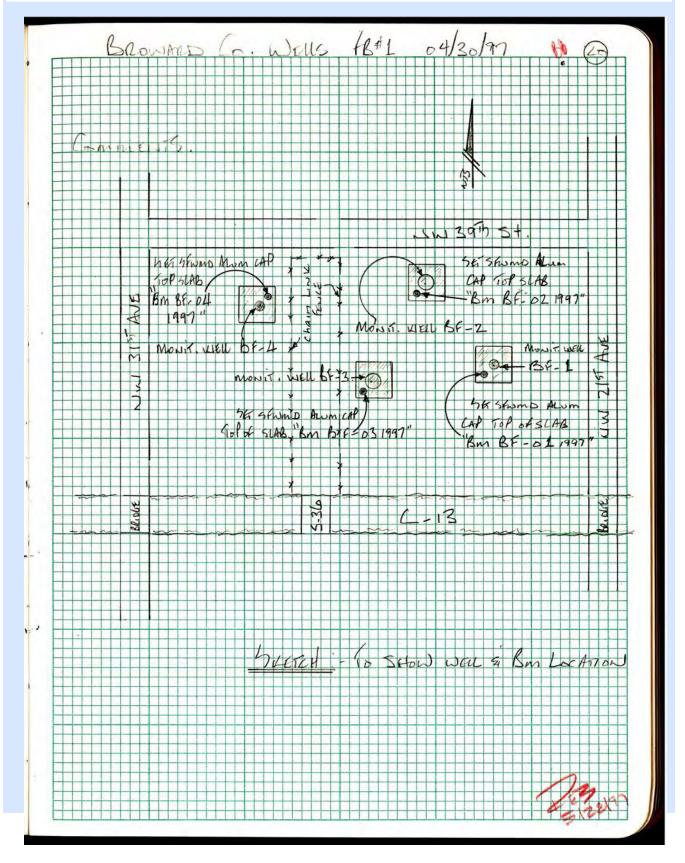
Description

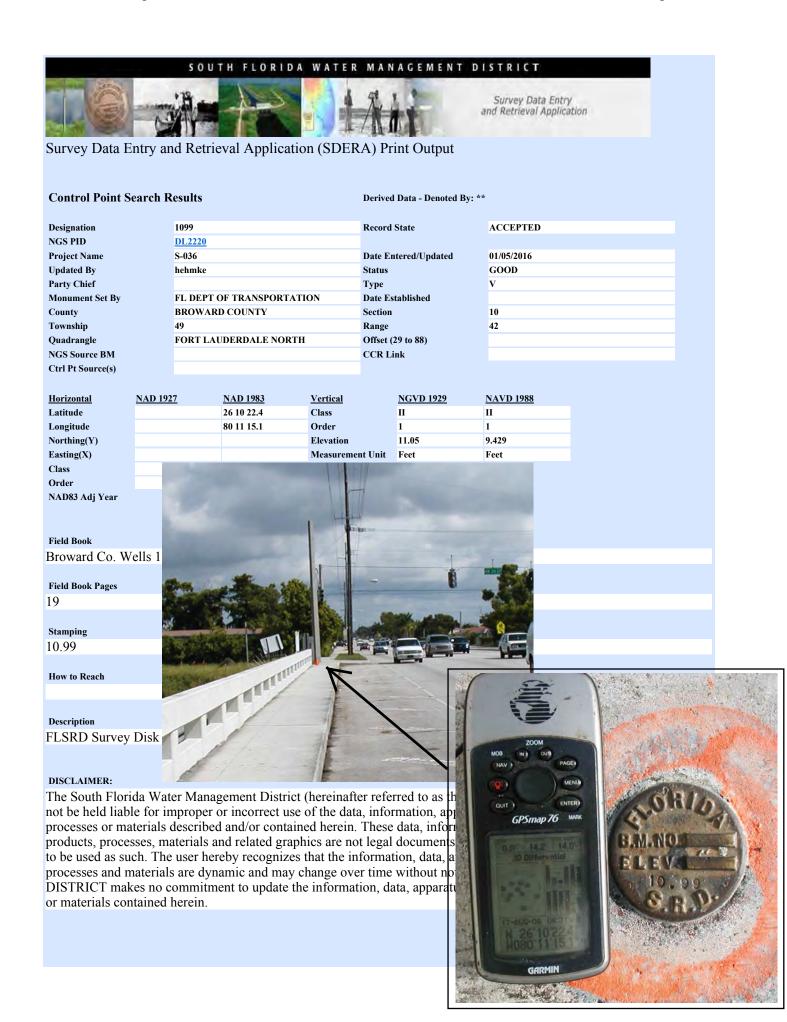
A SFWMD aluminum cap

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DATASHEETS Page 1 of 2

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 = JANUARY 5, 2016
DL2220 DESIGNATION - 10.99
DL2220 PID
                      DL2220
DL2220 STATE/COUNTY- FL/BROWARD
DL2220 COUNTRY - US
DL2220 USGS OUAD - FORT LAUDERDALE NORTH (1995)
DL2220
DL2220
                              *CURRENT SURVEY CONTROL
DL2220
DL2220* NAD 83(1986) POSITION- 26 10 23. (N) 080 11 14.
                                                             (W)
                                                                   SCALED
DL2220* NAVD 88 ORTHO HEIGHT - 2.874 (meters) 9.43 (feet) ADJUSTED
DL2220
DL2220 GEOID HEIGHT
                                -25.583 (meters)
                                                                   GEOID12B
DL2220 DYNAMIC HEIGHT -
                                                       9.41 (feet) COMP
                                  2.869 (meters)
DL2220 MODELED GRAVITY -
                           979,064.3
                                      (mgal)
                                                                   NAVD 88
DL2220
DL2220 VERT ORDER
                       - FIRST
                                CLASS II
DL2220. The horizontal coordinates were scaled from a topographic map and have
DL2220.an estimated accuracy of \pm 6 seconds.
DL2220.
DL2220. The orthometric height was determined by differential leveling and
DL2220.adjusted by the NATIONAL GEODETIC SURVEY
DL2220.in June 2009.
DL2220
DL2220. Significant digits in the geoid height do not necessarily reflect accuracy.
DL2220.GEOID12B height accuracy estimate available here.
DL2220
DL2220. The dynamic height is computed by dividing the NAVD 88
DL2220.geopotential number by the normal gravity value computed on the
DL2220. Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DL2220.degrees latitude (q = 980.6199 \text{ gals.}).
DL2220. The modeled gravity was interpolated from observed gravity values.
DL2220
DL2220;
                          North
                                       East
                                               Units Estimated Accuracy
DL2220; SPC FL E - 204,040.
                                     281,250.
                                                  MT (+/-180 \text{ meters Scaled})
DL2220
DL2220
                               SUPERSEDED SURVEY CONTROL
DL2220
DL2220 No superseded survey control is available for this station.
DL2220
DL2220 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNJ812951 (NAD 83)
DL2220 MARKER: DD = SURVEY DISK
DL2220 SETTING: 31 = SET IN A PAVEMENT SUCH AS STREET, SIDEWALK, CURB, ETC.
DL2220 SP SET: SIDEWALK
DL2220 STAMPING: 10.99
DL2220 MARK LOGO: FLSRD
```

DATASHEETS Page 2 of 2

```
DL2220 MAGNETIC: N = NO MAGNETIC MATERIAL
DL2220 STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY
DL2220 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DL2220+SATELLITE: SATELLITE OBSERVATIONS - August 03, 2006
DL2220
DL2220 HISTORY - Date Condition
DL2220 HISTORY - 20060803 MONUMENTED
                                               Report By
                                                FLSRD
DL2220
DL2220
                                STATION DESCRIPTION
DL2220
DL2220'DESCRIBED BY FLORIDA STATEROAD DEPARTMENT 2006 (JLM)
DL2220'THE MARK IS IN OAKLAND PARK, IN SECTION 10, TOWNSHIP 49 SOUTH, RANGE
DL2220'42 EAST.
DL2220'
DL2220'TO REACH THE MARK FROM THE INTERSECTION OF INTERSTATE 95 (EXIT 31) AND
DL2220'OAKLAND PARK BOULEVARD (STATE HIGHWAY 816) IN OAKLAND PARK, GO WEST
DL2220'ON OAKLAND PARK BOULEVARD (STATE HIGHWAY 816) FOR 1.7 MI TO THE
DL2220'INTERSECTION OF NORTHWEST 31ST AVENUE, TURN RIGHT ON NORTHWEST 31ST
DL2220'AVENUE AND GO NORTH FOR 0.5 MI TO THE NORTH END OF BRIDGE NUMBER
DL2220'860200 THAT SPANS CANAL C-13 AND THE MARK ON THE LEFT, SET FLUSH IN
DL2220'THE TOP OF THE NORTHWEST SIDEWALK ABOUT 0.7 FT ABOVE THE LEVEL OF
DL2220'NORTHWEST 31ST AVENUE.
DL2220'LOCATED 32.0 FT WEST OF THE APPROXIMATE CENTERLINE OF NORTHWEST 31ST
DL2220'AVENUE SOUTHBOUND LANES, 4.0 FT WEST OF THE EAST END OF THE SIDEWALK,
DL2220'2.8 FT SOUTHEAST OF THE NORTH END OF THE SIDEWALK AND 1.0 FT EAST OF
DL2220'THE EAST FACE OF THE SIDEWALK BRIDGERAIL.
```

*** retrieval complete. Elapsed Time = 00:00:02