



South Florida Water Management District Benchmark Database

Report run on: November 13, 2007 8:29 AM

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|-------------------------------|------------------------------------|--------------------|
| Designation: STR340 | Latitude: | Scaled values only |
| County: BROWARD | Longitude: | |
| USGS Quad: GATOR LAKE | Monument By: FL DEPT OF ENVIR PROT | |
| Project: S-340 | Year: 2003 | |
| Sec: 35 Twp: 54 Rge: 36 | Type: H/V | |
| Status: GOOD 2005 | Stamping: STR 340 2003 | |
| NAD 1927 Coordinates: | Party Chief: | |
| N = | Field Book | |
| E = | Page: | |
| Adjustment: | NGVD 1929 | |
| NAD 1983 Coordinates: | Elevation: 12.990 | |
| X = 783308.355 | Order: | |
| Y = 649037.140 | Class: | |
| Adjustment: 99 | NAVD 1988 | |
| Order: 1 | Elevation: 11.516 | |
| Class: | Order: | |
| | Class: | |

Description:

CORPSCON EL. 12.99 NGVD 1929
 ***** RECOVERY NOTE *****
 1/27/2005 HIGGINS KEITH&SCHNARS FIELD BOOK 1165 PAGE 38 FOUND ALUMINUM
 SLEEVE 10 FOOT STAINLESS STEEL ROD DRINVE TO REFUSAL NAVD 1988
 EL. 11.503

THE NGS DATA SHEET
 SEE FILE DSDATA.TXT FOR MORE INFORMATION ABOUT THE DATASHEET.DATABASE = SYBASE
 ,PROGRAM = DATASHEET, VERSION = 7.20
 1 NATIONAL GEODETIC SURVEY, RETRIEVAL DATE = JULY 21, 2005
 DG5017 *****
 DG5017 HT_MOD - THIS IS A HEIGHT MODERNIZATION SURVEY STATION.
 DG5017 DESIGNATION - STR 340
 DG5017 PID - DG5017
 DG5017 STATE/COUNTY- FL/BROWARD
 DG5017 USGS QUAD - GATOR LAKE (1973)
 DG5017
 DG5017 *CURRENT SURVEY CONTROL
 DG5017
 DG5017* NAD 83(1999)- 26 07 07.46659(N) 080 36 45.05643(W) ADJUSTED
 DG5017* NAVD 88 - 3.51 (METERS) 11.5 (FEET) GPS OBS
 DG5017
 DG5017 X - 934,708.424 (METERS) COMP
 DG5017 Y - -5,653,780.159 (METERS) COMP
 DG5017 Z - 2,790,870.412 (METERS) COMP
 DG5017 LAPLACE CORR- -0.94 (SECONDS) DEFLEC99
 DG5017 ELLIP HEIGHT- -21.18 (METERS) (04/07/04) GPS OBS
 DG5017 GEOID HEIGHT- -24.68 (METERS) GEOID03
 DG5017
 DG5017 HORZ ORDER - FIRST
 DG5017 ELLP ORDER - SECOND CLASS II
 DG5017
 DG5017.THE HORIZONTAL COORDINATES WERE ESTABLISHED BY GPS OBSERVATIONS



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DG5017.AND ADJUSTED BY THE FL DEPT OF ENV PRO IN APRIL 2004.
DG5017
DG5017.THE ORTHOMETRIC HEIGHT WAS DETERMINED BY GPS OBSERVATIONS AND A
DG5017.HIGH-RESOLUTION GEOID MODEL USING PRECISE GPS OBSERVATION AND
DG5017.PROCESSING TECHNIQUES.
DG5017
DG5017.THE X, Y, AND Z WERE COMPUTED FROM THE POSITION AND THE ELLIPSOIDAL HT.
DG5017
DG5017.THE LAPLACE CORRECTION WAS COMPUTED FROM DEFLEC99 DERIVED DEFLECTIONS.
DG5017
DG5017.THE ELLIPSOIDAL HEIGHT WAS DETERMINED BY GPS OBSERVATIONS
DG5017.AND IS REFERENCED TO NAD 83.
DG5017
DG5017.THE GEOID HEIGHT WAS DETERMINED BY GEOID03.
DG5017
DG5017; NORTH EAST UNITS SCALE FACTOR CONVERG.
DG5017;SPC FL E - 197,826.916 238,752.864 MT 0.99995971 +0 10 14.1
DG5017;UTM 17 - 2,888,891.400 538,739.642 MT 0.99961853 +0 10 14.1
DG5017
DG5017! - ELEV FACTOR X SCALE FACTOR = COMBINED FACTOR
DG5017!SPC FL E - 1.00000333 X 0.99995971 = 0.99996304
DG5017!UTM 17 - 1.00000333 X 0.99961853 = 0.99962186
DG5017
DG5017 SUPERSEDED SURVEY CONTROL
DG5017
DG5017.NO SUPERSEDED SURVEY CONTROL IS AVAILABLE FOR THIS STATION.
DG5017
DG5017_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNJ3874088891(NAD 83)
DG5017_MARKER: F = FLANGE-ENCASED ROD
DG5017_SETTING: 15 = METAL ROD DRIVEN INTO GROUND. SEE TEXT FOR ADDITIONAL
DG5017+WITH SETTING: INFORMATION.
DG5017_STAMPING: STR 340 2003
DG5017_MARK LOGO: NGS
DG5017_PROJECTION: FLUSH
DG5017_MAGNETIC: N = NO MAGNETIC MATERIAL
DG5017_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
DG5017_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DG5017+SATELLITE: SATELLITE OBSERVATIONS - SEPTEMBER 15, 2003
DG5017_ROD/PIPE-DEPTH: 0.6 METERS
DG5017
DG5017 HISTORY - DATE CONDITION REPORT BY
DG5017 HISTORY - 20030915 MONUMENTED FLDEP
DG5017
DG5017 STATION DESCRIPTION
DG5017
DG5017'DESCRIBED BY FL DEPT OF ENV PRO 2003 (RWH)
DG5017'THE MARK IS ABOUT 40.0 MI SOUTH OF BELLE GLADE, 10.8 MI WEST-SOUTHWEST
DG5017'OF ANDYTOWN, ESTIMATED SECTION 35, TOWNSHIP 54 SOUTH, RANGE 36 EAST.
DG5017'
DG5017'TO REACH THE MARK FROM THE INTERSECTION OF INTERSTATE 75 (EVERGLADES
DG5017'ALLEY) AND U.S. HIGHWAY 27 IN ANDYTOWN, GO WEST ON INTERSTATE 75 FOR
DG5017'14.6 MI TO A BOAT RAMP ON THE SOUTH SIDE OF THE INTERSTATE 75 AND AT A
DG5017'LARGE REST AREA - RECREATION AREA, THE BOAT RAMP IS NEAR THE SOUTHEAST
DG5017'CORNER OF THE INTERSTATE 75 BRIDGE OVER THE MIAMI CANAL, NOW BY BOAT
DG5017'GO SOUTHEAST ALONG THE MIAMI CANAL FOR 2.3 MI TO WATER STRUCTURE S340
DG5017'AND A CABLE THAT BARRICADES FURTHER BOAT TRAVEL AND THE MARK, A
DG5017'STAINLESS STEEL ROD DRIVEN TO REFUSAL AT A DEPTH OF 2.0 FT WITH A NGS



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DG5017' LOGO CAP FLUSH WITH THE GROUND, (THE ROD WAS CEMENTED TO THE ROCK
DG5017' BOTTOM) THE DATUM POINT IS RECESSED 0.1 FT BELOW THE LEVEL OF THE NGS
DG5017' LOGO CAP.

DG5017'

DG5017' THE MARK IS 6.0 FT NORTHEAST OF THE NORTHEAST CONCRETE SUPPORT POLE
DG5017' FOR A CABLE THAT CROSSES THE CANAL, 6.0 FT NORTHWEST OF THE NORTHWEST
DG5017' CORNER OF WATER STRUCTURE NUMBER S340, 6.0 FT NORTHEAST OF A WITNESS
DG5017' POST THAT IS NEXT TO THE CABLE CONCRETE SUPPORT.

DG5017'

DG5017' NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH NGS LOGO CAP.

DG5017'

DG5017' NOTE USING A GPS RECEIVER AND THE COORDINATES OF THE MARK IS THE BEST.

DG5017'

*** RETRIEVAL COMPLETE.

ELAPSED TIME = 00:00:00

PRELIMINARY DATA

FOR: SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WATER CONSERVATION AREA 3

DATE: 4/12/2004

HORIZONTAL DATUM: NAD 1983 (1999)

VERTICAL DATUM: NAVD 1988

NAD 83/1999 PUB BY NGS COMPUTED BY FLDEP PUB BY NGS

SSN# SSN NAME LATITUDE LONGITUDE NAVD 88 - (M) NAVD 88 - (M) PID #

0340 STR 340 26 7 7.46659N 80 36 45.05643W 3.506 3.51 DG5017
