```
Identification_Information:
        Citation:
                Citation_Information:
                        Originator: Robert J. Bills(comp.)
                        Originator: U.S. Army Engineer District, Jacksonville (ed.)
                        Publication_Date: Unpublished material
                        Publication_Time: Unknown
                        Title: S.F.W.M.D. FORT MYERS FLORIDA POWER & LIGHT POWER
PLANT DEEP WATER INJECTION WELL
                        Edition: 1
                        Series_Information:
                        Publication_Information:
                                Publication_Place: Not published
                                Publisher: None
                        Online_Linkage: bbills@cte.cc
                        Larger_Work_Citation:
                                Citation_Information:
                                        Series_Information:
                                        Publication_Information:
        Description:
                Abstract:
                        South Florida Water Management District
                        Fort Myers Florida Power & Light Power Plant Deep
                        Water Injection Well
Purpose
                Purpose:
                        To establish NAVD 88 and NGVD 29 elevations on the
                        well and on the well reference benchmark.
        Time_Period_of_Content:
                Time_Period_Information:
                        Single_Date/Time:
Survey Date
                                Calendar_Date: 20050126
                                Time_of_Day: 17000000
                        Range_of_Dates/Times:
                        Multiple_Dates/Times:
                Currentness_Reference: Date and time of field work
        Status:
                Progress: Complete
                Maintenance_and_Update_Frequency: Unknown
        Spatial_Domain:
                Bounding_Coordinates:
                        West_Bounding_Coordinate: -081°46'54.75"
                        East_Bounding_Coordinate: -081°46'54.75"
                        North_Bounding_Coordinate: +26°41'45.13"
                        South_Bounding_Coordinate: +26°41'45.13"
        Keywords:
                Theme:
                        Theme_Keyword_Thesaurus: None
                        Theme_Keyword: Record Survey
                        Theme_Keyword: Well Site
                Place:
                        Place_Keyword_Thesaurus: None
                        Place_Keyword: S.F.W.M.D. FORT MYERS FLORIDA POWER & LIGHT
POWER PLANT DEEP WATER INJECTION WELL
                        Place_Keyword: Sec. 35, Twp. 43 S., Rge 25 E.
                        Place_Keyword: Lee County, Florida
                        Place_Keyword_Thesaurus: Geographic Names Information System
                        Place_Keyword: Florida
                        Place_Keyword: Lee County
                Stratum:
                Temporal:
        Access_Constraints:
                Bernie Tibble
                (239) 693 4390 Office
```

(239) 849 3532 Cell
Use_Constraints: None
Point_of_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Elbia Ebanks
Contact_Organization: South Florida Water Management District
Contact_Organization_Primary:
Contact_Address:
Address_Type: mailing and physical address
Address: 3301 Gun Club Road
City: West Palm Beach
State_or_Province: Florida
Postal_Code: 33406-4680
Country: USA
Contact_Voice_Telephone: (561) 753 2400 ex 4717
Hours_of_Service: 8:00 am to 5:00 pm EST
Security_Information:
Cross_Reference:
Citation_Information:
Series_Information:
Publication_Information:
Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report:

Equipment Used

This survey was prepared using GPS and Leveling instruments. The horizontal location of the benchmark was performed using GPS.
The vertical data was collected using a Topcon DL 102 Level.
Coordinates are based on the Florida State Plane Coordinate System, West Zone, NAD 83/90. Elevations are based on NAVD 88.
Logical_Consistency_Report:
Horizontal data was established using sub-meter GPS equipment. Vertical data was established using control points I75 D 14 and Buckingham RM 2.
Coordinates are based on the Florida State Plane Coordinate System, West Zone, NAD 83/90. Elevations are based on NAVD 88.
Completeness_Report:

Project Results

Horizontal location taken at the benchmark.
Lat. +26°41'45.13"
Long. -081°46'54.75"
N 858681'
E 727383' NAD83/90 West Zone
Site Benchmark.
INJ BM 03 is a standard U.S. Army Corps of Engineers brass disc, bearing INJ BM 03 2004 JAX DIST SFWMD, set in a 10" round concrete monument (poured in place, with a magnet placed nearby).
To reach from the intersection of I-75 and S.R. 80, go east along S.R. 80, 2 miles to the Florida Power & Light power plant. Benchmark and deep water injection well are located through Gate # 3. First sign in at Gate #2, once inside, security will escort to benchmatk and well site. Benchmark is located 50' southeast of the well and 2' west of the top of bank of a canal.
United States Department of the Interior Geologic Survey Quadrangle map -- FORT MYERS (1987)
Benchmark INJ BM 03 - 10.94' NAVD 88; 12.09' NGVD 29
North bolt of injection well - 12.29' NAVD 88; 13.44' NGVD

```
                29
        Positional_Accuracy:
                Horizontal_Positional_Accuracy:
                        Horizontal_Positional_Accuracy_Report:
                                The horizontal position of the benchmark INJ BM
                                03, was established using a differential, submeter,
                                wide area augmentation system, GPS, using Coast
Guard
                                and FAA beacons for corrected positioning (Trimble
                                Geoexplorer CE with Beacon on a Belt) in accordance
                                with the Florida Minimum Technical Standards
(Chapter
                                61G17-6).
                        Quantitative_Horizontal_Positional_Accuracy_Assessment:
                                Horizontal_Positional_Accuracy_Value: 1 meter
                                Horizontal_Positional_Accuracy_Explanation: The
intended  positional accuracy for this survey is 1 meter.
                Vertical_Positional_Accuracy:
                        Vertical_Positional_Accuracy_Report:
                                A level line was run originating on BM "I75 D 14"
with an
                                NAVD 88 elevation, running through BM "INJ BM 03"
and
                                terminating on BM "Buckingham RM 2". A level line
                                was then run originating on BM "INJ BM 03" with an
                                NAVD 88 elevation, running through the North bolt on
the
                                injection well terminating on BM "INJ BM 03", in
                                accordance with Florida Minimum Technical Standards
                                (Chapter 61G17-6).
                                The level line was also readjusted using the values
from
                                the NGS NGVD 29 adjustment of the CERP vertical
                                network
                        Quantitative_Vertical_Positional_Accuracy_Assessment:
                                Vertical_Positional_Accuracy_Value: -0.016 meter
                                Vertical_Positional_Accuracy_Explanation: NAVD 88
level run, 0.016 meter closure in 9,252 meters, max. allowed 0.034 meter (MTS)
                        Quantitative_Vertical_Positional_Accuracy_Assessment:
                                Vertical_Positional_Accuracy_Explanation: NGVD 29
level run, 0.025 meter closure in 9,252 meters, max. allowed 0.034 meter (MTS)
        Lineage:
                Source_Information:
                        Source_Citation:
                                Citation_Information:
                                        Series_Information:
                                        Publication_Information:
                                        Larger_Work_Citation:
                                                Citation_Information:
                                                        Series_Information:
                                                        Publication_Information:
                        Source_Time_Period_of_Content:
                                Time_Period_Information:
                                        Single_Date/Time:
                                        Range_of_Dates/Times:
                                        Multiple_Dates/Times:
                Process_Step:
                        Process_Description:
                                The horizontal work was performed using Trimble
                                Geoexplorer CE with Beacon on a Belt GPS.
                                The level line was performed using a Topcon DL 102
level.
                                Three wire methodogy was used.
```

Horizontal

Level Line

```
                Process_Date: 20050126
                Process_Time: 17000000
                Process_Contact:
                        Contact_Information:
                                Contact_Person_Primary:
                                Contact_Organization_Primary:
                                Contact_Address:
Spatial_Data_Organization_Information:
        Spatial_Reference_Information:
                Horizontal_Coordinate_System_Definition:
                        Geographic:
                        Planar:
                                Map_Projection:
                                        Albers_Conical_Equal_Area:
                                        Azimuthal_Equidistant:
                                        Equidistant_Conic:
                                        Equirectangular:
                                        General_Vertical_Near-sided_Perspective:
                                        Gnomonic:
                                        Lambert_Azimuthal_Equal_Area:
                                        Lambert_Conformal_Conic:
                                        Mercator:
                                        Modified_Stereographic_for_Alaska:
                                        Miller_Cylindrical:
                                        Oblique_Mercator:
                                                Oblique_Line_Point:
                                        Orthographic:
                                        Polar_Stereographic:
                                        Polyconic:
                                        Robinson:
                                        Sinusoidal:
                                        van_der_Grinten:
                                        Space_Oblique_Mercator_(Landsat):
                                        Stereographic:
                                        Transverse_Mercator:
                                        van_der_Grinten:
                                Grid_Coordinate_System:
                                        Universal_Transverse_Mercator:
                                                Transverse_Mercator:
                                        Universal_Polar_Stereographic:
                                                Polar_Stereographic:
                                        State_Plane_Coordinate_System:
                                                Lambert_Conformal_Conic:
                                                Transverse_Mercator:
                                                Oblique_Mercator:
                                                        Oblique_Line_Point:
                                                Polyconic:
                                        ARC_Coordinate_System:
                                                Equirectangular:
                                                Azimuthal_Equidistant:
                                Local_Planar:
                                Planar_Coordinate_Information:
                                        Coordinate_Representation:
                                        Distance_and_Bearing_Representation:
                        Local:
                        Geodetic_Model:
                Vertical_Coordinate_System_Definition:
                        Altitude_System_Definition:
                        Depth_System_Definition:
Entity_and_Attribute_Information:
        Detailed_Description:
                Entity_Type:
                Attribute:
```

```
                        Attribute_Domain_Values:
                        Attribute_Value_Accuracy_Information:
        Overview_Description:
Distribution_Information:
        Distributor:
                Contact_Information:
                        Contact_Person_Primary:
                        Contact_Organization_Primary:
                        Contact_Address:
        Standard_Order_Process:
                Digital_Form:
                        Digital_Transfer_Information:
                        Digital_Transfer_Option:
                                Online_Option:
                                        Computer_Contact_Information:
                                                Network_Address:
                                                Dialup_Instructions:
                                OffLine_Option:
                                        Recording_Capacity:
        Available_Time_Period:
                Time_Period_Information:
                        Single_Date/Time:
                        Range_of_Dates/Times:
                        Multiple_Dates/Times:
Metadata_Reference_Information:
        Metadata_Date: 20050207
        Metadata_Contact:
                Contact_Information:
                        Contact_Person_Primary:
                                Contact_Person: Joseph S. Boggs
                                Contact_Organization: Consul-Tech Surveying &
Mapping
                        Contact_Organization_Primary:
                        Contact_Position: Project Surveyor
                        Contact_Address:
                                Address_Type: mailing and physical address
                                Address: 24831 Old 41 Road
                                City: Bonita Springs
                                State_or_Province: Florida
                                Postal_Code: 34135
                                Country: USA
                        Contact_Voice_Telephone: (239) 947-0266
                        Contact_Facsimile_Telephone: (239) 947-1323
                        Contact_Electronic_Mail_Address: jboggs@cte.cc
                        Hours_of_Service: 8:00 am to 5:00 pm EST
        Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial
Metadata
        Metadata_Standard_Version: FGDC-STD-001-1998
        Metadata_Time_Convention: Local time
        Metadata_Security_Information:
```

Joseph S. Boggs
Consul-Tech
Survey &
Mapping Inc.

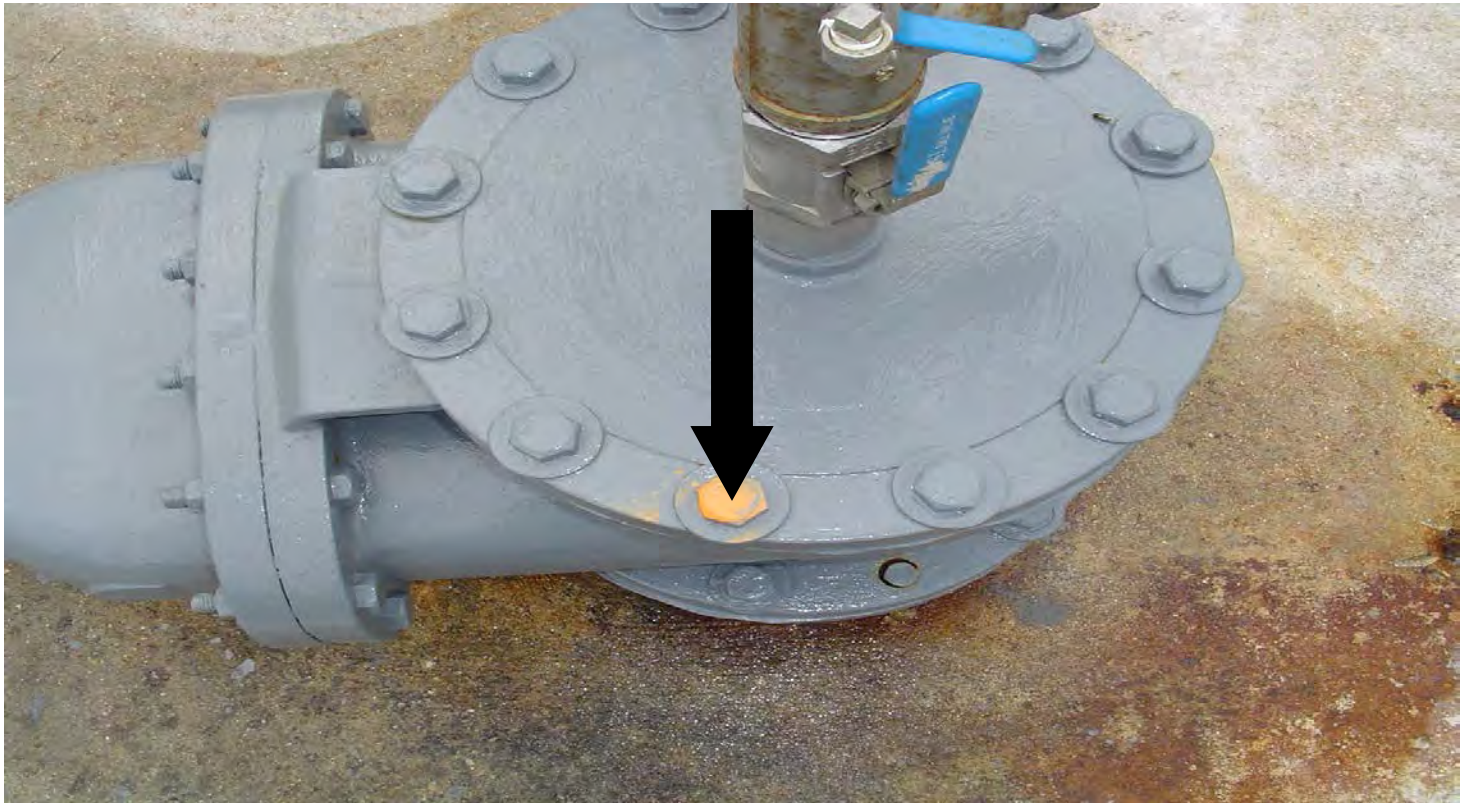
S.F.W.M.D. Injection Well – Fort Myers FPL Plant

Consul-Tech Surveying & Mapping, Inc.

Date of Survey: January 25, 2005

Looking: Northwest

S.F.W.M.D. Injection Well Reference Point – Fort Myers FPL Plant



- Consul-Tech Surveying & Mapping, Inc.
- Date of Survey: March 21, 2005
- Looking: South at Injection Well

S.F.W.M.D. Injection Well – Fort Myers FPL Plant

Consul-Tech Surveying & Mapping, Inc.

Date of Survey: January 25, 2005

Looking: Southeast

S.F.W.M.D. Injection Well – Fort Myers FPL Plant

Consul-Tech Surveying & Mapping, Inc.

Date of Survey: January 25, 2005

Looking: At “INJ BM 03 2005”

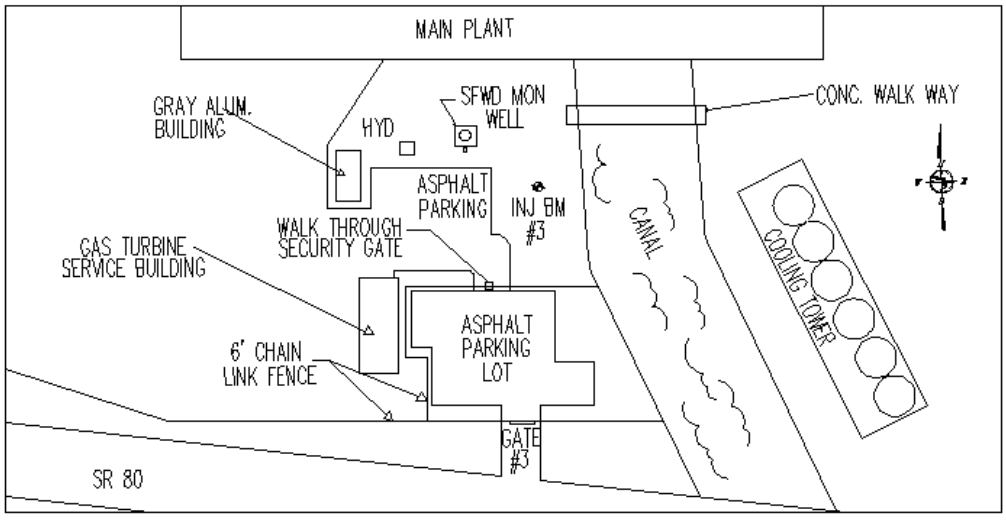
SOUTH FLORIDA WATER MANAGEMENT DISTRICT Rev. 4/01

COUNTY LEE	**PROJECT DEEP WATER INJECTION WELL SITE**	**DESIGNATION INJ BM O3 2004**
SECTION 35	**TOWNSHIP 43 SOUTH**	**RANGE 25 EAST**
GEOGRAPHIC INDEX OF QUAD Florida		
Established by Consul-Tech Surveying and Mapping, inc.	**NAME OF QUADRANGLE FORT MYERS (1987)**	
SURVEYOR Joseph S. Boggs **DATE** 1/26/05	**FIELD BOOK** 516-8 **PAGE** 24	
HORIZONTAL DATUM: **83/90** ZONE WEST		
VERTICAL DATUM: NAVD 88 & NGVD 29 (Based on NGS adjustment of CERP vertical network)		
CONTROL ACCURACY: HORIZONTAL SUB-METER **VERTICAL 3rd Order**		
STATE PLANE COORDINATES Feet	**N=858681**	**E=727383**	**EL.=10.94 (NAVD 88)** **EL.=12.09 (NGVD 29)**
LATITUDE 26°41'45.13" N	LONGITUDE 081°46'54.75" W	

DESCRIPTION

To reach from the intersection of I-75 and S.R. 80, go east along S.R. 80, 2 miles to the Florida Power & Light power plant. Benchmark and deep water injection well are located through Gate # 3. First sign in at Gate #2, once inside, security will escort to benchmatk and well site. Benchmark is located 50' southeast of the well and 2' west of the top of bank of a canal.

SKETCH




CORPS OF ENGINEERS - U.S. ARMY
$250 FINE OR IMPRISONMENT
INJ BM 03
STATION DESIGNATION
YEAR 2003
AGENCY
FOR DISTURBING THIS MARK
SURVEY MARK

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  8, 2016
 AD6152 ***********************************************************************
 AD6152  DESIGNATION -  I75 D 14
 AD6152  PID         -  AD6152
 AD6152  STATE/COUNTY-  FL/LEE
 AD6152  COUNTRY     -  US
 AD6152  USGS QUAD   -  FORT MYERS (1987)
 AD6152
 AD6152                         *CURRENT SURVEY CONTROL
 AD6152  ______________________________________________________________________
 AD6152* NAD 83(1986) POSITION- 26 40 23.      (N) 081 47 58.      (W)    SCALED
 AD6152* NAVD 88 ORTHO HEIGHT -      5.052 (meters)        16.57   (feet) ADJUSTED
 AD6152  ______________________________________________________________________
 AD6152  GEOID HEIGHT    -        -24.311 (meters)                       GEOID12B
 AD6152  DYNAMIC HEIGHT  -          5.044 (meters)        16.55   (feet) COMP
 AD6152  MODELED GRAVITY -    979,072.7   (mgal)                         NAVD 88
 AD6152
 AD6152  VERT ORDER      -  SECOND    CLASS II
 AD6152
 AD6152.The horizontal coordinates were scaled from a topographic map and have
 AD6152.an estimated accuracy of +/- 6 seconds.
 AD6152.
 AD6152.The orthometric height was determined by differential leveling and
 AD6152.adjusted by the NATIONAL GEODETIC SURVEY
 AD6152.in June 1991.
 AD6152
 AD6152.Significant digits in the geoid height do not necessarily reflect accuracy.
 AD6152.GEOID12B height accuracy estimate available here.
 AD6152
 AD6152.The dynamic height is computed by dividing the NAVD 88
 AD6152.geopotential number by the normal gravity value computed on the
 AD6152.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AD6152.degrees latitude (g = 980.6199 gals.).
 AD6152
 AD6152.The modeled gravity was interpolated from observed gravity values.
 AD6152
 AD6152;                    North         East     Units  Estimated Accuracy
 AD6152;SPC FL W     -   259,200.      219,960.      MT   (+/- 180 meters Scaled)
 AD6152
 AD6152                         SUPERSEDED SURVEY CONTROL
 AD6152
 AD6152  NGVD 29 (09/01/92)    5.397   (m)             17.71    (f) ADJUSTED    2 2
 AD6152
 AD6152.Superseded values are not recommended for survey control.
 AD6152
 AD6152.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 AD6152.See file dsdata.txt to determine how the superseded data were derived.
 AD6152
 AD6152_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMK204504(NAD 83)
 AD6152
```

```
AD6152_MARKER: DD = SURVEY DISK
AD6152_SETTING: 30 = SET IN A LIGHT STRUCTURE
AD6152_SP_SET: CONCRETE HEADWALL
AD6152_STAMPING: BM I75 D14
AD6152_MARK LOGO: FLDT
AD6152_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY
AD6152
AD6152  HISTORY     - Date     Condition        Report By
AD6152  HISTORY     - 1981     MONUMENTED       FLDT
AD6152  HISTORY     - 20011102 GOOD             USPSQD
AD6152
AD6152                          STATION DESCRIPTION
AD6152
AD6152'DESCRIBED BY FLORIDA DEPARTMENT OF TRANSPORTATION 1981
AD6152'6.6 MI NE FROM FORT MYERS.
AD6152'FROM THE INTERSECTION OF INTERSTATE ROUTE 75 AND STATE ROAD 82, ABOUT
AD6152'4.0 MILES EAST OF FORT MYERS, GO NORTHERLY ON INTERSTATE ROUTE 75 FOR
AD6152'ABOUT 2.6 MILES TO THE MARK.  IT IS SET IN THE TOP CENTER OF THE EAST
AD6152'CONCRETE HEADWALL OF A BOX CULVERT UNDER THE NORTHBOUND LANES, 53.3
AD6152'FEET EAST OF THE CENTER OF THE NORTHBOUND LANES.
AD6152
AD6152                          STATION RECOVERY (2001)
AD6152
AD6152'RECOVERY NOTE BY US POWER SQUADRON 2001 (MDB)
AD6152'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:01
```

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  8, 2016
 AD1414 ***********************************************************************
 AD1414  DESIGNATION -  BUCKINGHAM RM 2
 AD1414  PID         -  AD1414
 AD1414  STATE/COUNTY-  FL/LEE
 AD1414  COUNTRY     -  US
 AD1414  USGS QUAD   -  FORT MYERS (1987)
 AD1414
 AD1414                         *CURRENT SURVEY CONTROL
 AD1414  ______________________________________________________________________
 AD1414* NAD 83(1986) POSITION- 26 40 38.12   (N) 081 45 35.25    (W)    HD_HELD1
 AD1414* NAVD 88 ORTHO HEIGHT -     4.495 (meters)       14.75   (feet) ADJUSTED
 AD1414  ______________________________________________________________________
 AD1414  GEOID HEIGHT    -        -24.365 (meters)                       GEOID12B
 AD1414  DYNAMIC HEIGHT  -          4.488 (meters)       14.72   (feet) COMP
 AD1414  MODELED GRAVITY -    979,071.4   (mgal)                         NAVD 88
 AD1414
 AD1414  VERT ORDER      -  FIRST     CLASS II
 AD1414
 AD1414.The horizontal coordinates were determined by differentially corrected
 AD1414.hand held GPS observations or other comparable positioning techniques
 AD1414.and have an estimated accuracy of +/- 3 meters.
 AD1414.
 AD1414.The orthometric height was determined by differential leveling and
 AD1414.adjusted by the NATIONAL GEODETIC SURVEY
 AD1414.in May 2003.
 AD1414
 AD1414.No vertical observational check was made to the station.
 AD1414
 AD1414.Significant digits in the geoid height do not necessarily reflect accuracy.
 AD1414.GEOID12B height accuracy estimate available here.
 AD1414
 AD1414.The dynamic height is computed by dividing the NAVD 88
 AD1414.geopotential number by the normal gravity value computed on the
 AD1414.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AD1414.degrees latitude (g = 980.6199 gals.).
 AD1414
 AD1414.The modeled gravity was interpolated from observed gravity values.
 AD1414
 AD1414;                    North         East     Units  Estimated Accuracy
 AD1414;SPC FL W     -   259,668.3     223,908.2     MT  (+/- 3 meters HH1 GPS)
 AD1414
 AD1414                          SUPERSEDED SURVEY CONTROL
 AD1414
 AD1414  NAVD 88 (09/04/92)     4.492  (m)            14.74    (f) SUPERSEDED  1 2
 AD1414  NAVD 88 (06/15/91)     4.492  (m)            14.74    (f) SUPERSEDED  1 2
 AD1414  NGVD 29 (??/??/92)     4.852  (m)            15.92    (f) SUPERSEDED  1 2
 AD1414  NGVD 29 (09/01/92)     4.852  (m)            15.92    (f) ADJUSTED    1 2
 AD1414
 AD1414.Superseded values are not recommended for survey control.
```

```
AD1414
AD1414.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AD1414.See file dsdata.txt to determine how the superseded data were derived.
AD1414
AD1414_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMK2440150914(NAD 83)
AD1414
AD1414_MARKER: DR = REFERENCE MARK DISK
AD1414_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
AD1414_STAMPING: BUCKINGHAM NO 2 1937
AD1414_MARK LOGO: CGS
AD1414_MAGNETIC: N = NO MAGNETIC MATERIAL
AD1414_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AD1414+STABILITY: SURFACE MOTION
AD1414_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AD1414+SATELLITE: SATELLITE OBSERVATIONS - April 02, 1992
AD1414
AD1414  HISTORY     - Date     Condition        Report By
AD1414  HISTORY     - 1937     MONUMENTED       CGS
AD1414  HISTORY     - 1960     GOOD             CGS
AD1414  HISTORY     - 1981     GOOD             FLDT
AD1414  HISTORY     - 1985     GOOD             USPSQD
AD1414  HISTORY     - 19920402 GOOD             NGS
AD1414  HISTORY     - 19971023 GOOD             USPSQD
AD1414
AD1414                          STATION DESCRIPTION
AD1414
AD1414'DESCRIBED BY COAST AND GEODETIC SURVEY 1960
AD1414'14.5 MI ESE FROM FORT MYERS.
AD1414'10.1 MILES EAST ALONG STATE HIGHWAY 80 FROM THE POST OFFICE AT FORT
AD1414'MYERS, THENCE 2.6 MILES SOUTH ALONG BUCKINGHAM ROAD (STATE
AD1414'ROAD S 80) THENCE 1.8 MILES WEST ALONG ORANGE RIVER BOULEVARD AT
AD1414'A JUNCTION WITH WILLIAMSON ROAD 55 YARDS EAST OF AN UNPAINTED
AD1414'FRAME HOUSE, 166 FT. NORTH OF THE CENTER LINE OF ORANGE RIVER
AD1414'BOULEVARD 45 FT. EAST OF THE CENTER LINE OF WILLIAMSON ROAD,
AD1414'0.6 FT. EAST OF A STEEL WITNESS POST SET IN THE TOP OF A CONCRETE
AD1414'POST WHICH IS 0.1 FT. BELOW THE TOP OF THE GROUND.
AD1414
AD1414                          STATION RECOVERY (1981)
AD1414
AD1414'RECOVERY NOTE BY FLORIDA DEPARTMENT OF TRANSPORTATION 1981
AD1414'RECOVERED IN GOOD CONDITION.
AD1414
AD1414                          STATION RECOVERY (1985)
AD1414
AD1414'RECOVERY NOTE BY US POWER SQUADRON 1985
AD1414'WITNESS POST INTACT. SIGN PAINTED ORANGE. HOUSE IS PAINTED.
AD1414
AD1414                          STATION RECOVERY (1992)
AD1414
AD1414'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1992
AD1414'9.0 KM (5.60 MI) EASTERLY ALONG STATE HIGHWAY 80 (PALM BEACH
AD1414'BOULEVARD) FROM CITY HALL IN FORT MYERS, THENCE 4.0 KM (2.50 MI)
AD1414'SOUTHEASTERLY ALONG ORANGE RIVER BOULEVARD, 50.6 M (166.0 FT) NORTH
AD1414'OF THE CENTERLINE OF THE BOULEVARD, 31.8 M (104.3 FT) NORTHWEST OF
AD1414'TRIANGULATION STATION BUCKINGHAM, 13.7 M (44.9 FT) EAST OF THE
AD1414'CENTERLINE OF WILLIAMSON ROAD, 0.6 M (2.0 FT) ABOVE THE LEVEL OF THE
AD1414'ROAD, 0.4 M (1.3 FT) EAST OF A WITNESS POST, AND THE MONUMENT IS
AD1414'RECESSED 0.3 M (1.0 FT) BELOW THE GROUND SURFACE.
AD1414
AD1414                          STATION RECOVERY (1997)
```

```
AD1414
AD1414'RECOVERY NOTE BY US POWER SQUADRON 1997
AD1414'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:01
```

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
pob						16.570	NAVD88			D14 IN CONCRETE HEADWALL ON I-75 (AD6152)			
	9.560 8.340 7.120	8.340	24.910				244.0				1.220	244.0	0.0000
1				5.895 4.670 3.450	4.672	20.238	244.5	-0.0009	20.239		1.223	244.5	-0.0002
	5.815 4.580 3.335	4.577	24.815				248.0				1.240	248.0	-0.0007
2				5.245 3.985 2.730	3.987	20.828	251.5	-0.0009	20.830		1.258	251.5	-0.0002
	6.615 5.350 4.080	5.348	26.176				253.5				1.268	253.5	-0.0002
3				5.885 4.660 3.440	4.662	21.514	244.5	-0.0009	21.517		1.223	244.5	-0.0002
	5.815 4.540 3.265	4.540	26.054				255.0				1.275	255.0	0.0000
4				5.905 4.675 3.455	4.678	21.376	245.0	-0.0009	21.379		1.225	245.0	-0.0007
	5.690 4.440 3.180	4.437	25.813				251.0				1.255	251.0	-0.0007
5				6.655 5.440 4.230	5.442	20.371	242.5	-0.0009	20.375		1.213	242.5	-0.0002
	4.880 3.665 2.450	3.665	24.036				243.0				1.215	243.0	0.0000
6				6.550 5.360 4.165	5.358	18.678	238.5	-0.0008	18.683		1.193	238.5	-0.0002
	4.775 3.515 2.260	3.517	22.195				251.5				1.258	251.5	-0.0002
7				7.290 6.035 4.780	6.035	16.160	251.0	-0.0009	16.166		1.255	251.0	0.0000
	4.485 3.260 2.040	3.262	19.422				244.5				1.223	244.5	-0.0002
8				8.100 6.945 5.790	6.945	12.477	231.0	-0.0008	12.484		1.155	231.0	0.0000
	7.030 5.860 4.680	5.857	18.334				235.0				1.175	235.0	-0.0007

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
9				7.475 6.310 5.140	6.308	12.026	233.5	-0.0008	12.034		1.168	233.5	-0.0002
	3.900 2.690 1.480	2.690	14.716				242.0				1.210	242.0	0.0000
10				6.520 5.340 4.160	5.340	9.376	236.0	-0.0008	9.385		1.180	236.0	0.0000
	5.560 4.330 3.105	4.332	13.708				245.5				1.228	245.5	-0.0002
11				7.350 6.150 4.950	6.150	7.558	240.0	-0.0008	7.567		1.200	240.0	0.0000
	5.135 4.650 4.175	4.653	12.211				96.0				0.480	96.0	-0.0017
12				5.765 5.280 4.800	5.282	6.929	96.5	-0.0003	6.939		0.483	96.5	-0.0004
	6.825 6.360 5.885	6.357	13.286				94.0				0.470	94.0	-0.0018
13				3.440 2.960 2.475	2.958	10.328	96.5	-0.0003	10.338		0.483	96.5	-0.0004
	9.180 8.545 7.910	8.545	18.873				127.0				0.635	127.0	0.0000
14				2.710 2.070 1.425	2.068	16.805	128.5	-0.0004	16.815		0.643	128.5	-0.0003
	8.560 7.305 6.045	7.303	24.108				251.5				1.258	251.5	-0.0002
15				8.525 7.360 6.195	7.360	16.748	233.0	-0.0008	16.759		1.165	233.0	0.0000
	2.960 1.720 0.460	1.713	18.461				250.0				1.250	250.0	-0.0027
16				9.890 8.620 7.360	8.623	9.838	253.0	-0.0009	9.850		1.265	253.0	-0.0007
	2.825 1.580 0.330	1.578	11.416				249.5				1.248	249.5	-0.0002
17				6.060 4.810 3.565	4.812	6.604	249.5	-0.0009	6.617		1.248	249.5	-0.0002
	6.275												

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
	5.000 3.720	4.998	11.602				255.5				1.278	255.5	-0.0002
18				6.230 4.985 3.740	4.985	6.617	249.0	-0.0009	6.631		1.245	249.0	0.0000
	6.270 5.030 3.795	5.032	11.649				247.5				1.238	247.5	-0.0002
19				5.900 4.640 3.370	4.637	7.012	253.0	-0.0009	7.027		1.265	253.0	-0.0007
	6.120 4.860 3.600	4.860	11.872				252.0				1.260	252.0	0.0000
20				5.870 4.610 3.350	4.610	7.262	252.0	-0.0009	7.278		1.260	252.0	0.0000
	6.235 5.010 3.775	5.007	12.269				246.0				1.230	246.0	-0.0007
21				5.750 4.490 3.240	4.493	7.776	251.0	-0.0009	7.793		1.255	251.0	-0.0007
	6.125 4.850 3.575	4.850	12.626				255.0				1.275	255.0	0.0000
22				6.000 4.725 3.450	4.725	7.901	255.0	-0.0009	7.918		1.275	255.0	0.0000
	6.535 5.250 3.970	5.252	13.153				256.5				1.283	256.5	-0.0002
23				4.410 3.190 1.980	3.193	9.960	243.0	-0.0009	9.978		1.215	243.0	-0.0007
	6.545 5.675 4.805	5.675	15.635				174.0				0.870	174.0	0.0000
24				5.895 4.720 3.540	4.718	10.917	235.5	-0.0007	10.936	BM INJ 03	1.178	235.5	-0.0002
	5.630 3.890 2.150	3.890	14.807				348.0				1.740	348.0	0.0000
25				5.250 4.850 4.440	4.847	9.960	81.0	-0.0007	9.980		0.405	81.0	-0.0021
	3.130 1.990 0.850	1.990	11.950				228.0				1.140	228.0	0.0000
26				5.200 4.040	4.040	7.910	232.0	-0.0008	7.931		1.160	232.0	0.0000

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
				2.880									
	6.250 5.000 3.750	5.000	12.910				250.0				1.250	250.0	0.0000
27				6.340 5.090 3.840	5.090	7.820	250.0	-0.0009	7.841		1.250	250.0	0.0000
	5.980 4.710 3.450	4.713	12.533				253.0				1.265	253.0	-0.0007
28				6.420 5.180 3.940	5.180	7.353	248.0	-0.0009	7.375		1.240	248.0	0.0000
	6.310 5.050 3.800	5.053	12.406				251.0				1.255	251.0	-0.0007
29				6.520 5.255 4.000	5.258	7.148	252.0	-0.0009	7.171		1.260	252.0	-0.0007
	5.490 4.250 3.010	4.250	11.398				248.0				1.240	248.0	0.0000
30				5.690 4.410 3.130	4.410	6.988	256.0	-0.0009	7.012		1.280	256.0	0.0000
	5.570 4.310 3.060	4.313	11.301				251.0				1.255	251.0	-0.0007
31				5.910 4.655 3.400	4.655	6.646	251.0	-0.0009	6.671		1.255	251.0	0.0000
	5.590 4.310 3.040	4.313	10.959				255.0				1.275	255.0	-0.0007
32				3.290 2.030 0.770	2.030	8.929	252.0	-0.0009	8.955		1.260	252.0	0.0000
	10.040 8.830 7.620	8.830	17.759				242.0				1.210	242.0	0.0000
33				2.870 1.575 0.270	1.572	16.187	260.0	-0.0009	16.214		1.300	260.0	-0.0006
	9.110 7.910 6.710	7.910	24.097				240.0				1.200	240.0	0.0000
34				7.280 6.085 4.900	6.088	18.009	238.0	-0.0008	18.037		1.190	238.0	-0.0007
	2.070 1.200 0.320	1.197	19.206				175.0				0.875	175.0	-0.0010

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
35				10.780 9.900 9.030	9.903	9.303	175.0	-0.0006	9.331		0.875	175.0	-0.0010
	2.910 1.650 0.390	1.650	10.953				252.0				1.260	252.0	0.0000
36				4.550 3.350 2.130	3.343	7.610	242.0	-0.0009	7.639		1.210	242.0	-0.0028
	7.145 5.950 4.710	5.935	13.545				243.5				1.218	243.5	-0.0139
37				5.550 4.280 3.000	4.277	9.268	255.0	-0.0009	9.298		1.275	255.0	-0.0007
	8.020 6.830 5.630	6.827	16.095				239.0				1.195	239.0	-0.0007
38				5.000 3.740 2.490	3.743	12.352	251.0	-0.0009	12.383		1.255	251.0	-0.0007
	7.710 6.410 5.120	6.413	18.765				259.0				1.295	259.0	-0.0006
39				4.530 3.240 1.950	3.240	15.525	258.0	-0.0009	15.557		1.290	258.0	0.0000
	6.200 4.950 3.710	4.953	20.478				249.0				1.245	249.0	-0.0007
40				5.040 3.890 2.730	3.887	16.591	231.0	-0.0008	16.624		1.155	231.0	-0.0007
	5.210 3.800 2.400	3.803	20.394				281.0				1.405	281.0	-0.0006
41				5.600 4.430 3.250	4.427	15.967	235.0	-0.0009	16.000		1.175	235.0	-0.0007
	5.940 4.620 3.300	4.620	20.587				264.0				1.320	264.0	0.0000
42				6.430 5.220 4.000	5.217	15.370	243.0	-0.0009	15.404		1.215	243.0	-0.0007
	5.330 3.910 2.490	3.910	19.280				284.0				1.420	284.0	0.0000
43				5.030 3.860 2.700	3.863	15.417	233.0	-0.0009	15.452		1.165	233.0	-0.0007
	5.410												

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
	4.150 2.900	4.153	19.570				251.0				1.255	251.0	-0.0007
44				5.460 4.230 3.000	4.230	15.340	246.0	-0.0009	15.376		1.230	246.0	0.0000
	4.750 3.480 2.200	3.477	18.817				255.0				1.275	255.0	-0.0007
45				4.840 3.510 2.190	3.513	15.304	265.0	-0.0009	15.341		1.325	265.0	-0.0006
	5.640 4.400 3.150	4.397	19.701				249.0				1.245	249.0	-0.0007
46				5.590 4.310 3.040	4.313	15.388	255.0	-0.0009	15.426		1.275	255.0	-0.0007
	5.020 3.700 2.390	3.703	19.091				263.0				1.315	263.0	-0.0006
47				4.530 3.350 2.160	3.347	15.744	237.0	-0.0009	15.783		1.185	237.0	-0.0007
	4.830 3.560 2.250	3.547	19.291				258.0				1.290	258.0	-0.0103
48				4.500 3.210 1.930	3.213	16.078	257.0	-0.0009	16.118		1.285	257.0	-0.0006
	5.150 3.700 2.250	3.700	19.778				290.0				1.450	290.0	0.0000
49				5.000 3.900 2.800	3.900	15.878	220.0	-0.0009	15.919		1.100	220.0	0.0000
	5.400 4.130 2.870	4.133	20.011				253.0				1.265	253.0	-0.0007
50				4.930 3.700 2.480	3.703	16.308	245.0	-0.0009	16.349		1.225	245.0	-0.0007
	6.680 5.300 3.930	5.303	21.611				275.0				1.375	275.0	-0.0006
51				6.280 5.090 3.900	5.090	16.521	238.0	-0.0009	16.563		1.190	238.0	0.0000
	5.330 4.110 2.890	4.110	20.631				244.0				1.220	244.0	0.0000
52				4.990 3.670	3.670	16.961	264.0	-0.0009	17.004		1.320	264.0	0.0000

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
				2.350									
	5.550 4.230 2.910	4.230	21.191				264.0				1.320	264.0	0.0000
53				5.280 4.060 2.840	4.060	17.131	244.0	-0.0009	17.175		1.220	244.0	0.0000
	6.350 5.080 3.820	5.083	22.214				253.0				1.265	253.0	-0.0007
54				6.230 5.030 3.830	5.030	17.184	240.0	-0.0009	17.229		1.200	240.0	0.0000
	6.120 4.790 3.470	4.793	21.977				265.0				1.325	265.0	-0.0006
55				5.340 4.130 2.930	4.133	17.844	241.0	-0.0009	17.890		1.205	241.0	-0.0007
	5.240 3.920 2.620	3.927	21.771				262.0				1.310	262.0	-0.0025
56				5.700 4.500 3.310	4.503	17.268	239.0	-0.0009	17.315		1.195	239.0	-0.0007
	5.300 4.020 2.750	4.023	21.291				255.0				1.275	255.0	-0.0007
57				5.590 4.290 3.000	4.293	16.998	259.0	-0.0009	17.046		1.295	259.0	-0.0006
	6.030 4.760 3.500	4.763	21.761				253.0				1.265	253.0	-0.0007
58				6.100 4.790 3.490	4.793	16.968	261.0	-0.0009	17.017		1.305	261.0	-0.0006
	5.080 3.820 2.560	3.820	20.788				252.0				1.260	252.0	0.0000
59				5.590 4.290 2.990	4.290	16.498	260.0	-0.0009	16.547		1.300	260.0	0.0000
	4.835 3.570 2.315	3.573	20.071				252.0				1.260	252.0	-0.0007
60				5.170 3.890 2.600	3.887	16.184	257.0	-0.0009	16.234		1.285	257.0	-0.0006
	5.000 3.755 2.520	3.758	19.942				248.0				1.240	248.0	-0.0007

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
				5.570									
61				4.240	4.240	15.702	266.0	-0.0009	15.753		1.330	266.0	0.0000
				2.910									
	5.375												
	4.135	4.138	19.840				247.0				1.235	247.0	-0.0007
	2.905												
				5.540									
62				4.195	4.195	15.645	269.0	-0.0009	15.697		1.345	269.0	0.0000
				2.850									
	5.150												
	3.910	3.910	19.555				248.0				1.240	248.0	0.0000
	2.670												
				6.250									
63				4.855	4.858	14.697	278.0	-0.0009	14.750	BUCKINGHAM RM 2	1.390	278.0	-0.0006
				3.470									
							30,354.5		in feet			30,354.6	-0.08
							5.749		in miles				in feet
				sq. rt. Of dist. In miles x 0.05' :			0.120		allowable error				
							-0.053		field error			BUCK RM 2 RECORD:	14.75
							0.067		WITHIN MTS				

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
pob						17.710	NGVD29			D14 IN CONCRETE HEADWALL ON I-75 (AD6152)			
	9.560 8.340 7.120	8.340	26.050				244.0				1.220	244.0	0.0000
1				5.895 4.670 3.450	4.672	21.378	244.5	-0.0013	21.379		1.223	244.5	-0.0002
	5.815 4.580 3.335	4.577	25.955				248.0				1.240	248.0	-0.0007
2				5.245 3.985 2.730	3.987	21.968	251.5	-0.0014	21.971		1.258	251.5	-0.0002
	6.615 5.350 4.080	5.348	27.316				253.5				1.268	253.5	-0.0002
3				5.885 4.660 3.440	4.662	22.654	244.5	-0.0014	22.658		1.223	244.5	-0.0002
	5.815 4.540 3.265	4.540	27.194				255.0				1.275	255.0	0.0000
4				5.905 4.675 3.455	4.678	22.516	245.0	-0.0014	22.521		1.225	245.0	-0.0007
	5.690 4.440 3.180	4.437	26.953				251.0				1.255	251.0	-0.0007
5				6.655 5.440 4.230	5.442	21.511	242.5	-0.0013	21.518		1.213	242.5	-0.0002
	4.880 3.665 2.450	3.665	25.176				243.0				1.215	243.0	0.0000
6				6.550 5.360 4.165	5.358	19.818	238.5	-0.0013	19.826		1.193	238.5	-0.0002
	4.775 3.515 2.260	3.517	23.335				251.5				1.258	251.5	-0.0002
7				7.290 6.035 4.780	6.035	17.300	251.0	-0.0014	17.309		1.255	251.0	0.0000
	4.485 3.260 2.040	3.262	20.562				244.5				1.223	244.5	-0.0002
8				8.100 6.945 5.790	6.945	13.617	231.0	-0.0013	13.628		1.155	231.0	0.0000
	7.030 5.860 4.680	5.857	19.474				235.0				1.175	235.0	-0.0007

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
9				7.475 6.310 5.140	6.308	13.166	233.5	-0.0013	13.178		1.168	233.5	-0.0002
	3.900 2.690 1.480	2.690	15.856				242.0				1.210	242.0	0.0000
10				6.520 5.340 4.160	5.340	10.516	236.0	-0.0013	10.529		1.180	236.0	0.0000
	5.560 4.330 3.105	4.332	14.848				245.5				1.228	245.5	-0.0002
11				7.350 6.150 4.950	6.150	8.698	240.0	-0.0013	8.713		1.200	240.0	0.0000
	5.135 4.650 4.175	4.653	13.351				96.0				0.480	96.0	-0.0017
12				5.765 5.280 4.800	5.282	8.069	96.5	-0.0005	8.084		0.483	96.5	-0.0004
	6.825 6.360 5.885	6.357	14.426				94.0				0.470	94.0	-0.0018
13				3.440 2.960 2.475	2.958	11.468	96.5	-0.0005	11.484		0.483	96.5	-0.0004
	9.180 8.545 7.910	8.545	20.013				127.0				0.635	127.0	0.0000
14				2.710 2.070 1.425	2.068	17.945	128.5	-0.0007	17.961		0.643	128.5	-0.0003
	8.560 7.305 6.045	7.303	25.248				251.5				1.258	251.5	-0.0002
15				8.525 7.360 6.195	7.360	17.888	233.0	-0.0013	17.906		1.165	233.0	0.0000
	2.960 1.720 0.460	1.713	19.601				250.0				1.250	250.0	-0.0027
16				9.890 8.620 7.360	8.623	10.978	253.0	-0.0014	10.997		1.265	253.0	-0.0007
	2.825 1.580 0.330	1.578	12.556				249.5				1.248	249.5	-0.0002
17				6.060 4.810 3.565	4.812	7.744	249.5	-0.0014	7.764		1.248	249.5	-0.0002
	6.275												

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
	5.000 3.720	4.998	12.742				255.5				1.278	255.5	-0.0002
18				6.230 4.985 3.740	4.985	7.757	249.0	-0.0014	7.779		1.245	249.0	0.0000
	6.270 5.030 3.795	5.032	12.789				247.5				1.238	247.5	-0.0002
19				5.900 4.640 3.370	4.637	8.152	253.0	-0.0014	8.175		1.265	253.0	-0.0007
	6.120 4.860 3.600	4.860	13.012				252.0				1.260	252.0	0.0000
20				5.870 4.610 3.350	4.610	8.402	252.0	-0.0014	8.427		1.260	252.0	0.0000
	6.235 5.010 3.775	5.007	13.409				246.0				1.230	246.0	-0.0007
21				5.750 4.490 3.240	4.493	8.916	251.0	-0.0014	8.942		1.255	251.0	-0.0007
	6.125 4.850 3.575	4.850	13.766				255.0				1.275	255.0	0.0000
22				6.000 4.725 3.450	4.725	9.041	255.0	-0.0014	9.068		1.275	255.0	0.0000
	6.535 5.250 3.970	5.252	14.293				256.5				1.283	256.5	-0.0002
23				4.410 3.190 1.980	3.193	11.100	243.0	-0.0014	11.129		1.215	243.0	-0.0007
	6.545 5.675 4.805	5.675	16.775				174.0				0.870	174.0	0.0000
24				5.895 4.720 3.540	4.718	12.057	235.5	-0.0011	12.087	BM INJ 03	1.178	235.5	-0.0002
	5.630 3.890 2.150	3.890	15.947				348.0				1.740	348.0	0.0000
25				5.250 4.850 4.440	4.847	11.100	81.0	-0.0012	11.131		0.405	81.0	-0.0021
	3.130 1.990 0.850	1.990	13.090				228.0				1.140	228.0	0.0000
26				5.200 4.040	4.040	9.050	232.0	-0.0013	9.082		1.160	232.0	0.0000

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
				2.880									
	6.250 5.000 3.750	5.000	14.050				250.0				1.250	250.0	0.0000
27				6.340 5.090 3.840	5.090	8.960	250.0	-0.0014	8.994		1.250	250.0	0.0000
	5.980 4.710 3.450	4.713	13.673				253.0				1.265	253.0	-0.0007
28				6.420 5.180 3.940	5.180	8.493	248.0	-0.0014	8.528		1.240	248.0	0.0000
	6.310 5.050 3.800	5.053	13.546				251.0				1.255	251.0	-0.0007
29				6.520 5.255 4.000	5.258	8.288	252.0	-0.0014	8.324		1.260	252.0	-0.0007
	5.490 4.250 3.010	4.250	12.538				248.0				1.240	248.0	0.0000
30				5.690 4.410 3.130	4.410	8.128	256.0	-0.0014	8.166		1.280	256.0	0.0000
	5.570 4.310 3.060	4.313	12.441				251.0				1.255	251.0	-0.0007
31				5.910 4.655 3.400	4.655	7.786	251.0	-0.0014	7.825		1.255	251.0	0.0000
	5.590 4.310 3.040	4.313	12.099				255.0				1.275	255.0	-0.0007
32				3.290 2.030 0.770	2.030	10.069	252.0	-0.0014	10.110		1.260	252.0	0.0000
	10.040 8.830 7.620	8.830	18.899				242.0				1.210	242.0	0.0000
33				2.870 1.575 0.270	1.572	17.327	260.0	-0.0014	17.369		1.300	260.0	-0.0006
	9.110 7.910 6.710	7.910	25.237				240.0				1.200	240.0	0.0000
34				7.280 6.085 4.900	6.088	19.149	238.0	-0.0013	19.192		1.190	238.0	-0.0007
	2.070 1.200 0.320	1.197	20.346				175.0				0.875	175.0	-0.0010

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
				10.780									
35				9.900	9.903	10.443	175.0	-0.0010	10.487		0.875	175.0	-0.0010
				9.030									
	2.910												
	1.650	1.650	12.093				252.0				1.260	252.0	0.0000
	0.390												
				4.550									
36				3.350	3.343	8.750	242.0	-0.0014	8.796		1.210	242.0	-0.0028
				2.130									
	7.145												
	5.950	5.935	14.685				243.5				1.218	243.5	-0.0139
	4.710												
				5.550									
37				4.280	4.277	10.408	255.0	-0.0014	10.455		1.275	255.0	-0.0007
				3.000									
	8.020												
	6.830	6.827	17.235				239.0				1.195	239.0	-0.0007
	5.630												
				5.000									
38				3.740	3.743	13.492	251.0	-0.0013	13.540		1.255	251.0	-0.0007
				2.490									
	7.710												
	6.410	6.413	19.905				259.0				1.295	259.0	-0.0006
	5.120												
				4.530									
39				3.240	3.240	16.665	258.0	-0.0014	16.715		1.290	258.0	0.0000
				1.950									
	6.200												
	4.950	4.953	21.618				249.0				1.245	249.0	-0.0007
	3.710												
				5.040									
40				3.890	3.887	17.731	231.0	-0.0013	17.782		1.155	231.0	-0.0007
				2.730									
	5.210												
	3.800	3.803	21.534				281.0				1.405	281.0	-0.0006
	2.400												
				5.600									
41				4.430	4.427	17.107	235.0	-0.0014	17.159		1.175	235.0	-0.0007
				3.250									
	5.940												
	4.620	4.620	21.727				264.0				1.320	264.0	0.0000
	3.300												
				6.430									
42				5.220	5.217	16.510	243.0	-0.0014	16.564		1.215	243.0	-0.0007
				4.000									
	5.330												
	3.910	3.910	20.420				284.0				1.420	284.0	0.0000
	2.490												
				5.030									
43				3.860	3.863	16.557	233.0	-0.0014	16.612		1.165	233.0	-0.0007
				2.700									
	5.410												

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
	4.150 2.900	4.153	20.710				251.0				1.255	251.0	-0.0007
44				5.460 4.230 3.000	4.230	16.480	246.0	-0.0014	16.537		1.230	246.0	0.0000
	4.750 3.480 2.200	3.477	19.957				255.0				1.275	255.0	-0.0007
45				4.840 3.510 2.190	3.513	16.444	265.0	-0.0014	16.502		1.325	265.0	-0.0006
	5.640 4.400 3.150	4.397	20.841				249.0				1.245	249.0	-0.0007
46				5.590 4.310 3.040	4.313	16.528	255.0	-0.0014	16.587		1.275	255.0	-0.0007
	5.020 3.700 2.390	3.703	20.231				263.0				1.315	263.0	-0.0006
47				4.530 3.350 2.160	3.347	16.884	237.0	-0.0014	16.945		1.185	237.0	-0.0007
	4.830 3.560 2.250	3.547	20.431				258.0				1.290	258.0	-0.0103
48				4.500 3.210 1.930	3.213	17.218	257.0	-0.0014	17.280		1.285	257.0	-0.0006
	5.150 3.700 2.250	3.700	20.918				290.0				1.450	290.0	0.0000
49				5.000 3.900 2.800	3.900	17.018	220.0	-0.0014	17.081		1.100	220.0	0.0000
	5.400 4.130 2.870	4.133	21.151				253.0				1.265	253.0	-0.0007
50				4.930 3.700 2.480	3.703	17.448	245.0	-0.0014	17.513		1.225	245.0	-0.0007
	6.680 5.300 3.930	5.303	22.751				275.0				1.375	275.0	-0.0006
51				6.280 5.090 3.900	5.090	17.661	238.0	-0.0014	17.727		1.190	238.0	0.0000
	5.330 4.110 2.890	4.110	21.771				244.0				1.220	244.0	0.0000
52				4.990 3.670	3.670	18.101	264.0	-0.0014	18.169		1.320	264.0	0.0000

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
				2.350									
	5.550												
	4.230	4.230	22.331				264.0				1.320	264.0	0.0000
	2.910												
				5.280									
53				4.060	4.060	18.271	244.0	-0.0014	18.340		1.220	244.0	0.0000
				2.840									
	6.350												
	5.080	5.083	23.354				253.0				1.265	253.0	-0.0007
	3.820												
				6.230									
54				5.030	5.030	18.324	240.0	-0.0013	18.394		1.200	240.0	0.0000
				3.830									
	6.120												
	4.790	4.793	23.117				265.0				1.325	265.0	-0.0006
	3.470												
				5.340									
55				4.130	4.133	18.984	241.0	-0.0014	19.056		1.205	241.0	-0.0007
				2.930									
	5.240												
	3.920	3.927	22.911				262.0				1.310	262.0	-0.0025
	2.620												
				5.700									
56				4.500	4.503	18.408	239.0	-0.0014	18.481		1.195	239.0	-0.0007
				3.310									
	5.300												
	4.020	4.023	22.431				255.0				1.275	255.0	-0.0007
	2.750												
				5.590									
57				4.290	4.293	18.138	259.0	-0.0014	18.213		1.295	259.0	-0.0006
				3.000									
	6.030												
	4.760	4.763	22.901				253.0				1.265	253.0	-0.0007
	3.500												
				6.100									
58				4.790	4.793	18.108	261.0	-0.0014	18.184		1.305	261.0	-0.0006
				3.490									
	5.080												
	3.820	3.820	21.928				252.0				1.260	252.0	0.0000
	2.560												
				5.590									
59				4.290	4.290	17.638	260.0	-0.0014	17.715		1.300	260.0	0.0000
				2.990									
	4.835												
	3.570	3.573	21.211				252.0				1.260	252.0	-0.0007
	2.315												
				5.170									
60				3.890	3.887	17.324	257.0	-0.0014	17.403		1.285	257.0	-0.0006
				2.600									
	5.000												
	3.755	3.758	21.082				248.0				1.240	248.0	-0.0007
	2.520												

sta	three wire +	mean	hi	three wire -	mean	elevation	distance	ADJ BY DIST	adjust elevation	description	std dev	stdev *2*100	variance
				5.570									
61				4.240	4.240	16.842	266.0	-0.0014	16.922		1.330	266.0	0.0000
				2.910									
	5.375												
	4.135	4.138	20.980				247.0				1.235	247.0	-0.0007
	2.905												
				5.540									
62				4.195	4.195	16.785	269.0	-0.0014	16.867		1.345	269.0	0.0000
				2.850									
	5.150												
	3.910	3.910	20.695				248.0				1.240	248.0	0.0000
	2.670												
				6.250									
63				4.855	4.858	15.837	278.0	-0.0014	15.920	BUCKINGHAM RM 2	1.390	278.0	-0.0006
				3.470									
							30,354.5		in feet			30,354.6	-0.08
							5.749		in miles				in feet
				sq. rt. Of dist. In miles x 0.05' :			0.120		allowable error				
							-0.083		field error			BUCK RM 2 RECORD:	15.92
							0.037		WITHIN MTS				