



Benchmark Maintenance Report

FEMA Community Number 120426

Prepared for:

The City of Marco Island
City Hall
50 Bald Eagle Drive
Marco Island, Florida 34145

Prepared By

American Engineering Consultants of Marco Island, Inc.

Certificates of Authorization, CA26446 and LB7419

Engineers Planners Surveyors

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Surveyor's Certification

In accordance with **Section 442.c. Benchmark maintenance (BMM)** of the National Flood Insurance Program (NFIP) Community Rating System (CRS) Coordinator's Manual (expiration date September 30, 2013), I hereby certify that the following list of **National Geodetic Survey (NGS) / National Spatial Reference System (NSRS)** vertical control benchmarks exist within the City of Marco Island (FEMA Community No. 12046) regulatory flood plain and meet the **National Spatial Reference System (NSRS)** prerequisites.

<u>Designation</u>	<u>PID</u>	<u>Recovery Date</u>	<u>Order</u>	<u>Stability</u>	<u>Within one mile of SFHA</u>
872 4967 B Tidal	AC3263	09/11/2013	First - Class II	B	Yes
872 4967 C Tidal	AC3264	09/11/2013	First - Class II	B	Yes
872 4979 C Tidal	AC3395	09/11/2013	First - Class II	B	Yes
872 4991 A Tidal	AA7622	09/11/2013	First - Class II	B	Yes

And that the following **(NGS) Continuously Operating Reference Station (CORS)** is located within 30 miles of the City of Marco Island regulatory flood plain.

<u>Designation</u>	<u>CORS ID</u>	<u>PID</u>	<u>Datum</u>	<u>Latitude</u>	<u>Longitude</u>
NAPLES CORS ARP	NAPL	DF7052	NAD 83	26° 05' 55.1" N.	81° 46' 34.6" W.

Also located within the above referenced 30 mile radius is the following Collier County GPS Network stations. These stations were established by the government of Collier County, Florida and are currently being submitted to FEMA for approval as a **Continuously Operating Reference Station (CORS)**.

<u>Designation</u>	<u>CORS ID</u>	<u>PID</u>	<u>Datum</u>	<u>Latitude</u>	<u>Longitude</u>
Isles Of Capri (16)	(Pending)	(Pending)	NAD 83	25° 59' 03.42" N.	81° 43' 38.54" W.
Big Cypress Hdqt (17)	(Pending)	(Pending)	NAD 83	25° 53' 36.03" N.	81° 19' 32.05" W.

Continued.

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And that the following list of **National Geodetic Survey (NGS) / National Spatial Reference System (NSRS)** vertical control benchmarks also exist within the City of Marco Island (FEMA Community No. 12046) community regulatory flood plain, but due to their insufficient stability rating do not comply with **Section 442.c, Credit Criteria (2) (d)** of the National Flood Insurance Program (NFIP) Community Rating System (CRS) Coordinator's Manual (expiration date September 30, 2013).

<u>Designation</u>	<u>PID</u>	<u>Recovery Date</u>	<u>Order</u>	<u>Stability</u>	<u>Within one mile of SFHA</u>
COL 10	AC3390	09/11/2013	First - Class II	C	Yes
COL 11	AC3389	09/11/2013	First - Class II	C	Yes
872 4991 C Tidal	AA7624	09/11/2013	First - Class II	C	Yes
872 4991 D Tidal	AA7625	09/11/2013	First - Class II	D	Yes
COL 14	AC3385	09/11/2013	First - Class II	D	Yes
COL 16	AC3383	09/11/2013	First - Class II	D	Yes
COL 17	AC3382	09/11/2013	First - Class II	D	Yes
COL 12	AC3388	09/11/2013	Second - Class I	D	Yes

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CA26446 and LB7419

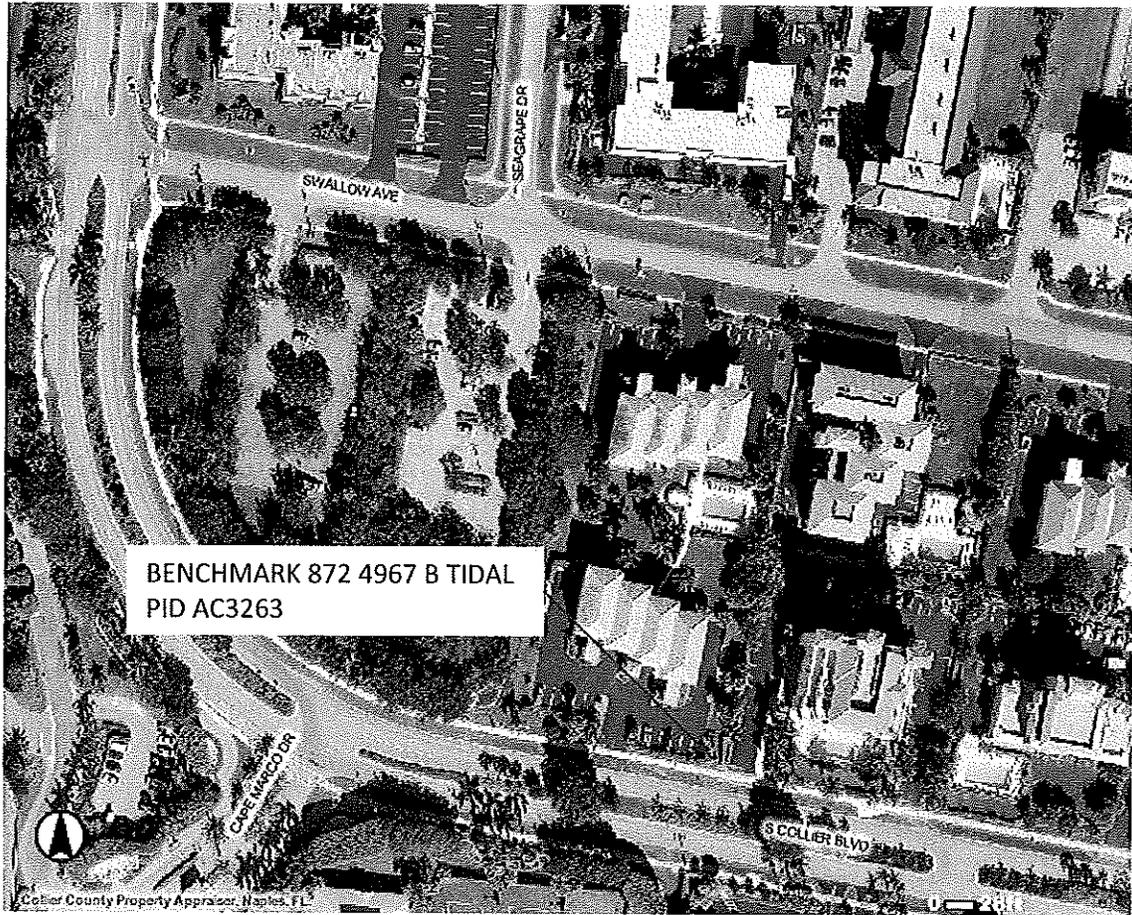


12/09/13

For the firm,
T. Alan Neal, PLS
Professional Land Surveyor
State of Florida Reg. No. 4656

Photographs of Benchmarks
And
Corresponding NGS
Data Sheets

PHOTOGRAPHS – 872 4967 B TIDAL



The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.4
 1 National Geodetic Survey, Retrieval Date = DECEMBER 6, 2013
 AC3263

AC3263 TIDAL BM - This is a Tidal Bench Mark.
 AC3263 DESIGNATION - 872 4967 B TIDAL
 AC3263 PID - AC3263
 AC3263 STATE/COUNTY- FL/COLLIER
 AC3263 COUNTRY - US
 AC3263 USGS QUAD - MARCO ISLAND (1995)
 AC3263
 AC3263 *CURRENT SURVEY CONTROL
 AC3263

AC3263* NAD 83(1986) POSITION- 25 54 39.9 (N) 081 43 30.3 (W)
 HD_HELD2
 AC3263* NAVD 88 ORTHO HEIGHT - 1.607 (meters) 5.27 (feet)
 ADJUSTED
 AC3263

AC3263 GEOID HEIGHT - -23.13 (meters)
 GEOID12A
 AC3263 DYNAMIC HEIGHT - 1.604 (meters) 5.26 (feet) COMP
 AC3263 MODELED GRAVITY - 979,035.2 (mgal) NAVD
 88

AC3263
 AC3263 VERT ORDER - FIRST CLASS II
 AC3263

AC3263.The horizontal coordinates were established by autonomous hand held GPS

AC3263.observations and have an estimated accuracy of +/- 10 meters.
 AC3263.

AC3263.The orthometric height was determined by differential leveling and
 AC3263.adjusted by the NATIONAL GEODETIC SURVEY
 AC3263.in May 2013.

AC3263
 AC3263.No vertical observational check was made to the station.
 AC3263

AC3263.This Tidal Bench Mark is designated as VM 9737
 AC3263.by the CENTER FOR OPERATIONAL OCEANOGRAPHIC PRODUCTS AND SERVICES.
 AC3263

AC3263.Photographs are available for this station.
 AC3263

AC3263.The dynamic height is computed by dividing the NAVD 88
 AC3263.geopotential number by the normal gravity value computed on the
 AC3263.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AC3263.degrees latitude (g = 980.6199 gals.).
 AC3263

AC3263.The modeled gravity was interpolated from observed gravity values.
 AC3263

AC3263; North East Units Estimated Accuracy

AC3263;SPC FL E - 174,965. 127,355. MT (+/- 10 meters HH2
GPS)

AC3263

AC3263 SUPERSEDED SURVEY CONTROL

AC3263

AC3263 NAVD 88 (06/15/91) 1.605 (m) 5.27 (f) SUPERSEDED 2
1

AC3263 NGVD 29 (09/01/92) 2.004 (m) 6.57 (f) ADJUSTED 2
1

AC3263

AC3263.Superseded values are not recommended for survey control.

AC3263

AC3263.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AC3263.See file dsdata.txt to determine how the superseded data were
derived.

AC3263

AC3263_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMJ2737966037(NAD 83)

AC3263

AC3263_MARKER: DB = BENCH MARK DISK

AC3263_SETTING: 46 = COPPER-CLAD STEEL ROD W/O SLEEVE (10 FT.+)

AC3263_SP_SET: COPPER-CLAD STEEL ROD

AC3263_STAMPING: 4967 B 1979

AC3263_MARK LOGO: NOS

AC3263_PROJECTION: FLUSH

AC3263_MAGNETIC: N = NO MAGNETIC MATERIAL

AC3263_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AC3263_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AC3263+SATELLITE: SATELLITE OBSERVATIONS - 2008

AC3263_ROD/PIPE-DEPTH: 14.6 meters

AC3263

AC3263 HISTORY - Date Condition Report By

AC3263 HISTORY - 1979 MONUMENTED NOS

AC3263 HISTORY - 1979 GOOD FLDNR

AC3263 HISTORY - 1984 GOOD FLDNR

AC3263 HISTORY - 1990 GOOD USPSQD

AC3263 HISTORY - 2008 GOOD FLDEP

AC3263 HISTORY - 2008 GOOD FLDEP

AC3263 HISTORY - 20110921 GOOD GEOCAC

AC3263 HISTORY - 20130404 GOOD FL-021

AC3263

AC3263 STATION DESCRIPTION

AC3263

AC3263'DESCRIBED BY FL DEPT OF NAT RES 1979

AC3263'2 MI SOUTH FROM MARCO.

AC3263'BEGIN AT THE INTERSECTION OF STATE HIGHWAY 953 AND COLLIER BOULEVARD,

AC3263'PROCEED SOUTH 3.4 MILES ON COLLIER AVENUE TO DELTONA CORPORATION

AC3263'PROPERTY. MARK IS ABOUT 164 FEET EAST OF BM 4967A, 32.0 FEET
NORTHEAST

AC3263'OF THE CENTERLINE OF SOUTH COLLIER BOULEVARD NORTHBOUND LANE, 83.5

AC3263'FEET SOUTH SOUTHEAST OF THE SOUTHEAST CORNER OF THE ISLAND CLUB

AC3263'CONDOMINIUM (YELLOW STUCCO, 3 STORIES) 20.3 FEET SOUTHEAST OF THE
MOST

AC3263'SOUTHEAST CORNER OF THE BLACKTOP PARKING LOT, 2.5 FEET EAST OF A

AC3263'CONCRETE POWERPOLE WITH A WITNESS SIGN FACING SOUTH COLLIER

AC3263'BOULEVARD.

AC3263

AC3263 STATION RECOVERY (1984)

AC3263

AC3263'RECOVERY NOTE BY FL DEPT OF NAT RES 1984

AC3263'RECOVERED IN GOOD CONDITION. NEW DESCRIPTION FOLLOWS. BEGIN AT THE
AC3263'JUNCTION OF STATE ROAD 92 WITH STATE ROAD 951 (COLLIER BOULEVARD), GO
AC3263'1.9 MILES SOUTHERLY ON COLLIER BOULEVARD TO THE MARK. THE MARK BEARS
AC3263'83.5 FEET SOUTH-SOUTHEAST OF THE SOUTHEAST CORNER OF THE ISLAND CLUB
AC3263'CONDOMINIUM, 20.3 FEET SOUTHEAST OF THE SOUTHEAST CORNER OF THE
AC3263'PARKING LOT, 2.5 FEET EAST OF A CONCRETE POWER POLE, AND 3 FEET EAST
AC3263'OF A WITNESS POST.

AC3263

AC3263

STATION RECOVERY (1990)

AC3263

AC3263'RECOVERY NOTE BY US POWER SQUADRON 1990 (JW)

AC3263'RECOVERED IN GOOD CONDITION.

AC3263

AC3263

STATION RECOVERY (2008)

AC3263

AC3263'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)

AC3263'THE MARK IS ABOUT 10.1 MI (16.3 KM) SOUTHWEST OF ROYAL PALM HAMMOCK,
AC3263'9.7 MI (15.6 KM) SOUTH OF BELLE MEADE AND 4.2 MI (6.8 KM) SOUTH OF
AC3263'MARCO, IN SECTION 20, TOWNSHIP 52 SOUTH, RANGE 26 EAST.

AC3263'

AC3263'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 41 (TAMIAMI
AC3263'TRAIL) AND STATE HIGHWAY 951 (COLLIER BOULEVARD) IN NAPLES, GO SOUTH
AC3263'ON STATE HIGHWAY 951 (COLLIER BOULEVARD) FOR 5.65 MI (9.1 KM) TO THE
AC3263'JUNCTION OF COUNTY ROAD 952 ON THE RIGHT. CONTINUE SOUTH ON STATE
AC3263'HIGHWAY 951 (COLLIER BOULEVARD) FOR 2.65 MI (4.3 KM) TO THE
AC3263'INTERSECTION OF BALD EAGLE DRIVE. CONTINUE SOUTHWEST ON STATE

HIGHWAY

AC3263'951 (COLLIER BOULEVARD) FOR 1.55 MI (2.5 KM) TO THE JUNCTION OF SAN
AC3263'MARCO ROAD ON THE LEFT. CONTINUE SOUTH ON STATE HIGHWAY 951 (COLLIER
AC3263'BOULEVARD) FOR 1.7 MI (2.7 KM) TO THE JUNCTION OF SWALLOW AVENUE ON
AC3263'THE LEFT. CONTINUE SOUTHERLY ON STATE HIGHWAY 951 (COLLIER

BOULEVARD)

AC3263'FOR 0.15 MI (0.2 KM) TO THE MARK ON THE LEFT, A DISK CRIMPED ON THE
AC3263'TOP OF A COPPER-CLAD STEEL ROD DRIVEN INTO THE GROUND FLUSH WITH THE
AC3263'GROUND AND ABOUT LEVEL WITH COLLIER BOULEVARD WESTBOUND LANES.

AC3263'

AC3263'LOCATED 99.0 FT (30.2 M) EAST OF THE APPROXIMATE CENTERLINE OF A
DRIVE

AC3263'AT 941 (ISLAND CLUB CONDOMINIUM NUMBER 2), 31.7 FT (9.7 M) NORTH OF
AC3263'THE CENTERLINE OF THE WESTBOUND LANES OF COLLIER BOULEVARD, 21.0 FT
AC3263'(6.4 M) WEST OF THE APPROXIMATE CENTERLINE OF A DRIVE AT 951, 4.2 FT
AC3263'(1.3 M) SOUTHEAST OF THE SOUTHEAST CORNER OF A HIGH VOLTAGE BOX

NUMBER

AC3263'E1064, 4.0 FT (1.2 M) NORTH OF THE NORTH SIDE OF THE SIDEWALK, 3.0 FT
AC3263'(0.9 M) EAST OF A METAL WITNESS POST, 2.5 FT (0.8 M) EAST OF A
AC3263'CONCRETE POWER POLE NUMBER F0020B50 AND 1.0 FT (0.3 M) NORTH OF A
AC3263'ROUND GREEN SPRINT CABLE BOX.

AC3263'

AC3263'NOTE A MAGNET WAS IMBEDDED IN THE GROUND ON THE SOUTH SIDE OF THE
AC3263'MONUMENT

AC3263

AC3263

STATION RECOVERY (2008)

AC3263

AC3263'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)

AC3263'THE MARK IS ABOUT 10.1 MI (16.3 KM) SOUTHWEST OF ROYAL PALM HAMMOCK,

AC3263'9.7 MI (15.6 KM) SOUTH OF BELLE MEADE AND 4.2 MI (6.8 KM) SOUTH OF
AC3263'MARCO, IN SECTION 20, TOWNSHIP 52 SOUTH, RANGE 26 EAST.

AC3263'

AC3263'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 41 (TAMIAMI
AC3263'TRAIL) AND STATE HIGHWAY 951 (COLLIER BOULEVARD) IN NAPLES, GO SOUTH
AC3263'ON STATE HIGHWAY 951 (COLLIER BOULEVARD) FOR 5.65 MI (9.1 KM) TO THE
AC3263'JUNCTION OF COUNTY ROAD 952 ON THE RIGHT. CONTINUE SOUTH ON STATE
AC3263'HIGHWAY 951 (COLLIER BOULEVARD) FOR 2.65 MI (4.3 KM) TO THE
AC3263'INTERSECTION OF BALD EAGLE DRIVE. CONTINUE SOUTHWEST ON STATE
HIGHWAY

AC3263'951 (COLLIER BOULEVARD) FOR 1.55 MI (2.5 KM) TO THE JUNCTION OF SAN
AC3263'MARCO ROAD ON THE LEFT. CONTINUE SOUTH ON STATE HIGHWAY 951 (COLLIER
AC3263'BOULEVARD) FOR 1.7 MI (2.7 KM) TO THE JUNCTION OF SWALLOW AVENUE ON
AC3263'THE LEFT. CONTINUE SOUTHERLY ON STATE HIGHWAY 951 (COLLIER
BOULEVARD)

AC3263'FOR 0.15 MI (0.2 KM) TO THE MARK ON THE LEFT, A DISK CRIMPED ON THE
AC3263'TOP OF A COPPER-CLAD STEEL ROD DRIVEN INTO THE GROUND FLUSH WITH THE
AC3263'GROUND AND ABOUT LEVEL WITH COLLIER BOULEVARD WESTBOUND LANES.

AC3263'

AC3263'LOCATED 99.0 FT (30.2 M) EAST OF THE APPROXIMATE CENTERLINE OF A
DRIVE

AC3263'AT 941 (ISLAND CLUB CONDOMINIUM NUMBER 2), 31.7 FT (9.7 M) NORTH OF
AC3263'THE CENTERLINE OF THE WESTBOUND LANES OF COLLIER BOULEVARD, 21.0 FT
AC3263'(6.4 M) WEST OF THE APPROXIMATE CENTERLINE OF A DRIVE AT 951, 4.2 FT
AC3263'(1.3 M) SOUTHEAST OF THE SOUTHEAST CORNER OF A HIGH VOLTAGE BOX
NUMBER

AC3263'E1064, 4.0 FT (1.2 M) NORTH OF THE NORTH SIDE OF THE SIDEWALK, 3.0 FT
AC3263'(0.9 M) EAST OF A METAL WITNESS POST, 2.5 FT (0.8 M) EAST OF A
AC3263'CONCRETE POWER POLE NUMBER F0020B50 AND 1.0 FT (0.3 M) NORTH OF A
AC3263'ROUND GREEN SPRINT CABLE BOX.

AC3263'

AC3263'NOTE A MAGNET WAS IMBEDDED IN THE GROUND ON THE SOUTH SIDE OF THE
AC3263'MONUMENT

AC3263

AC3263

STATION RECOVERY (2011)

AC3263

AC3263'RECOVERY NOTE BY GEOCACHING 2011 (DEB)

AC3263'RECOVERED IN GOOD CONDITION.

AC3263

AC3263

STATION RECOVERY (2013)

AC3263

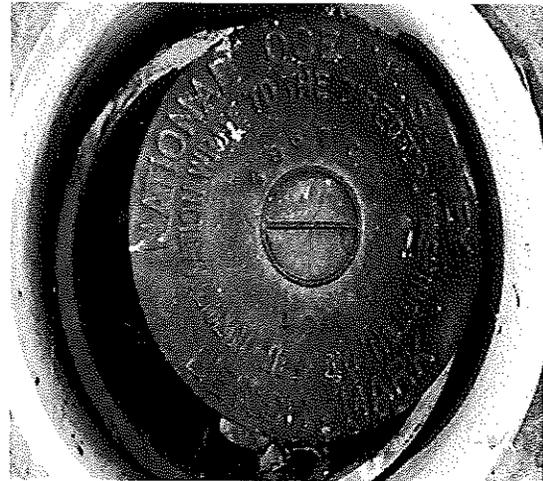
AC3263'RECOVERY NOTE BY COLLIER COUNTY FLORIDA 2013 (MLB)

AC3263'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:03

PHOTOGRAPHS – 872 4967 C TIDAL



The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.4

1 National Geodetic Survey, Retrieval Date = DECEMBER 6, 2013

AC3264

AC3264 TIDAL BM - This is a Tidal Bench Mark.

AC3264 DESIGNATION - 872 4967 C TIDAL

AC3264 PID - AC3264

AC3264 STATE/COUNTY- FL/COLLIER

AC3264 COUNTRY - US

AC3264 USGS QUAD - MARCO ISLAND (1995)

AC3264

AC3264 *CURRENT SURVEY CONTROL

AC3264

AC3264* NAD 83(1986) POSITION- 25 54 43.8 (N) 081 43 29.7 (W)

HD HELD2

AC3264* NAVD 88 ORTHO HEIGHT - 1.344 (meters) 4.41 (feet)

ADJUSTED

AC3264

AC3264 GEOID HEIGHT - -23.13 (meters)

GEOID12A

AC3264 DYNAMIC HEIGHT - 1.342 (meters) 4.40 (feet) COMP

AC3264 MODELED GRAVITY - 979,035.3 (mgal) NAVD

88

AC3264

AC3264 VERT ORDER - FIRST CLASS II

AC3264

AC3264.The horizontal coordinates were established by autonomous hand held GPS

AC3264.observations and have an estimated accuracy of +/- 10 meters.

AC3264.

AC3264.The orthometric height was determined by differential leveling and

AC3264.adjusted by the NATIONAL GEODETIC SURVEY

AC3264.in May 2013.

AC3264

AC3264.No vertical observational check was made to the station.

AC3264

AC3264.This Tidal Bench Mark is designated as VM 10543

AC3264.by the CENTER FOR OPERATIONAL OCEANOGRAPHIC PRODUCTS AND SERVICES.

AC3264

AC3264.Photographs are available for this station.

AC3264

AC3264.The dynamic height is computed by dividing the NAVD 88

AC3264.geopotential number by the normal gravity value computed on the

AC3264.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AC3264.degrees latitude (g = 980.6199 gals.).

AC3264

AC3264.The modeled gravity was interpolated from observed gravity values.

AC3264

AC3264; North East Units Estimated Accuracy

AC3264;SPC FL E - 175,085. 127,372. MT (+/- 10 meters HH2
GPS)

AC3264

AC3264 SUPERSEDED SURVEY CONTROL

AC3264

AC3264 NAVD 88 (06/15/91) 1.344 (m) 4.41 (f) SUPERSEDED 2
1

AC3264 NGVD 29 (09/01/92) 1.743 (m) 5.72 (f) ADJUSTED 2
1

AC3264

AC3264.Superseded values are not recommended for survey control.

AC3264

AC3264.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AC3264.See file dsdata.txt to determine how the superseded data were
derived.

AC3264

AC3264 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMJ2739666157(NAD 83)

AC3264

AC3264 MARKER: DB = BENCH MARK DISK

AC3264 SETTING: 46 = COPPER-CLAD STEEL ROD W/O SLEEVE (10 FT.+)

AC3264 SP SET: COPPER-CLAD STEEL ROD

AC3264 STAMPING: 4967 C 1979

AC3264 MARK LOGO: NOS

AC3264 PROJECTION: FLUSH

AC3264 MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

AC3264 STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AC3264 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AC3264+SATELLITE: SATELLITE OBSERVATIONS - June 29, 2008

AC3264 ROD/PIPE-DEPTH: 19.5 meters

AC3264

AC3264	HISTORY	- Date	Condition	Report By
AC3264	HISTORY	- 1979	MONUMENTED	NOS
AC3264	HISTORY	- 1979	GOOD	FLDNR
AC3264	HISTORY	- 1984	GOOD	FLDNR
AC3264	HISTORY	- 1990	GOOD	USPSQD
AC3264	HISTORY	- 20080629	GOOD	FLDEP
AC3264	HISTORY	- 20080629	GOOD	FLDEP
AC3264	HISTORY	- 20110921	GOOD	GEOCAC
AC3264	HISTORY	- 20130404	GOOD	FL-021

AC3264

AC3264 STATION DESCRIPTION

AC3264

AC3264'DESCRIBED BY FL DEPT OF NAT RES 1979

AC3264'2 MI SOUTH FROM MARCO.

AC3264'BEGIN AT THE INTERSECTION OF STATE HIGHWAY 953 AND COLLIER BOULEVARD,

AC3264'PROCEED SOUTH 3.4 MILES ON COLLIER BOULEVARD TO DELTONA CORPORATION

AC3264'PROPERTY. THE MARK BEARS 266 FEET NORTH OF BM 4967B, 39.9 FEET SOUTH

AC3264'OF THE CENTERLINE OF SWALLOW AVENUE, 0.8 FEET SOUTH OF THE SOUTH EDGE

AC3264'OF THE SIDEWALK, 80.9 FEET NORTH NORTHWEST OF THE NORTHEAST CORNER OF

AC3264'THE ISLAND CLUB CONDOMINIUM (YELLOW STUCCO, 3 STORIES), AND 1.0 FEET

AC3264'WEST OF A CONCRETE POWER POLE WITH A WITNESS SIGN FACING WEST.

AC3264

AC3264

AC3264

STATION RECOVERY (1984)

AC3264'RECOVERY NOTE BY FL DEPT OF NAT RES 1984

AC3264'RECOVERED IN GOOD CONDITION. NEW DESCRIPTION FOLLOWS. BEGIN AT THE
AC3264'JUNCTION OF STATE ROAD 92 WITH STATE ROAD 951 (COLLIER BOULEVARD), GO

AC3264'1.75 MILES SOUTHERLY ON COLLIER BOULEVARD TO THE JUNCTION OF SWALLOW
AC3264'AVENUE, GO 0.1 MILE EAST ON SWALLOW AVENUE TO THE MARK. THE MARK
AC3264'BEARS 39.9 FEET SOUTH OF THE CENTERLINE OF SWALLOW AVENUE, 80.9 FEET
AC3264'NORTH-NORTHEAST OF THE NORTHEAST CORNER OF THE ISLAND CLUB
AC3264'CONDOMINIUM, AND 1 FOOT WEST OF A CONCRETE POWER POLE AND METAL
AC3264'WITNESS POST.

AC3264

AC3264

STATION RECOVERY (1990)

AC3264

AC3264'RECOVERY NOTE BY US POWER SQUADRON 1990 (DW)

AC3264'RECOVERED IN GOOD CONDITION.

AC3264

AC3264

STATION RECOVERY (2008)

AC3264

AC3264'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)

AC3264'THE MARK IS ABOUT 10.0 MI (16.1 KM) SOUTHWEST OF ROYAL PALM HAMMOCK,

AC3264'9.6 MI (15.4 KM) SOUTH OF BELLE MEADE, 4.1 MI (6.6 KM) SOUTH OF
MARCO,

AC3264'IN SECTION 20, TOWNSHIP 52 SOUTH, RANGE 26 EAST.

AC3264'

AC3264'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 41 (TAMIAMI
AC3264'TRAIL) AND STATE HIGHWAY 951 (COLLIER BOULEVARD) IN NAPLES, GO SOUTH
AC3264'ON STATE HIGHWAY 951 (COLLIER BOULEVARD) FOR 5.65 MI (9.1 KM) TO THE
AC3264'JUNCTION OF COUNTY ROAD 952 ON THE RIGHT. CONTINUE SOUTH ON STATE

AC3264'HIGHWAY 951 (COLLIER BOULEVARD) FOR 2.65 MI (4.3 KM) TO THE

AC3264'INTERSECTION OF BALD EAGLE DRIVE. CONTINUE SOUTHWEST ON STATE
HIGHWAY

AC3264'951 (COLLIER BOULEVARD) FOR 1.55 MI (2.5 KM) TO THE JUNCTION OF SAN

AC3264'MARCO ROAD ON THE LEFT. CONTINUE SOUTH ON STATE HIGHWAY 951 (COLLIER

AC3264'BOULEVARD) FOR 1.7 MI (2.7 KM) TO THE JUNCTION OF SWALLOW AVENUE ON

AC3264'THE LEFT. TURN LEFT ON SWALLOW AVENUE AND GO EAST FOR 0.1 MI (0.2
KM)

AC3264'TO THE MARK ON THE RIGHT, A DISK CRIMPED ON THE TOP OF A COPPER-CLAD

AC3264'STEEL ROD DRIVEN INTO THE GROUND FLUSH WITH THE GROUND AND ABOUT 0.1

AC3264'FT (0.0 M) ABOVE THE LEVEL OF SWALLOW AVENUE.

AC3264'

AC3264'LOCATED 96.0 FT (29.3 M) EAST OF THE APPROXIMATE CENTERLINE OF A
DRIVE

AC3264'AT 940 (ISLAND CLUB CONDOMINIUM NUMBER ONE), 39.9 FT (12.2 M) SOUTH
OF

AC3264'THE APPROXIMATE CENTERLINE OF SWALLOW AVENUE, 15.0 FT (4.6 M) WEST OF

AC3264'THE APPROXIMATE CENTERLINE OF THE WEST ENTRANCE DRIVE TO 960 (THE

AC3264'SWALLOWS CONDOMINIUM), 1.0 FT (0.3 M) WEST OF A CONCRETE POWER POLE

AC3264'NUMBER 6681AA WITH ONE LIGHT ATTACHED, 0.9 FT (27 CM) SOUTH OF THE

AC3264'SOUTH SIDE OF THE SIDEWALK AND 0.5 FT (15 CM) NORTHEAST OF A ROUND

AC3264'GREEN TELECOMMUNICATIONS CABLE BOX.

AC3264'

AC3264'NOTE A MAGNET WAS IMBEDDED IN THE GROUND ON THE SOUTH SIDE OF THE

AC3264'MONUMENT

AC3264

AC3264

STATION RECOVERY (2008)

AC3264

AC3264'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)

AC3264'THE MARK IS ABOUT 10.0 MI (16.1 KM) SOUTHWEST OF ROYAL PALM HAMMOCK,

AC3264'9.6 MI (15.4 KM) SOUTH OF BELLE MEADE, 4.1 MI (6.6 KM) SOUTH OF
MARCO,

AC3264'IN SECTION 20, TOWNSHIP 52 SOUTH, RANGE 26 EAST.

AC3264'

AC3264'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 41 (TAMIAMI
AC3264'TRAIL) AND STATE HIGHWAY 951 (COLLIER BOULEVARD) IN NAPLES, GO SOUTH
AC3264'ON STATE HIGHWAY 951 (COLLIER BOULEVARD) FOR 5.65 MI (9.1 KM) TO THE
AC3264'JUNCTION OF COUNTY ROAD 952 ON THE RIGHT. CONTINUE SOUTH ON STATE
AC3264'HIGHWAY 951 (COLLIER BOULEVARD) FOR 2.65 MI (4.3 KM) TO THE
AC3264'INTERSECTION OF BALD EAGLE DRIVE. CONTINUE SOUTHWEST ON STATE
HIGHWAY

AC3264'951 (COLLIER BOULEVARD) FOR 1.55 MI (2.5 KM) TO THE JUNCTION OF SAN
AC3264'MARCO ROAD ON THE LEFT. CONTINUE SOUTH ON STATE HIGHWAY 951 (COLLIER
AC3264'BOULEVARD) FOR 1.7 MI (2.7 KM) TO THE JUNCTION OF SWALLOW AVENUE ON
AC3264'THE LEFT. TURN LEFT ON SWALLOW AVENUE AND GO EAST FOR 0.1 MI (0.2
KM)

AC3264'TO THE MARK ON THE RIGHT, A DISK CRIMPED ON THE TOP OF A COPPER-CLAD
AC3264'STEEL ROD DRIVEN INTO THE GROUND FLUSH WITH THE GROUND AND ABOUT 0.1
AC3264'FT (0.0 M) ABOVE THE LEVEL OF SWALLOW AVENUE.

AC3264'

AC3264'LOCATED 96.0 FT (29.3 M) EAST OF THE APPROXIMATE CENTERLINE OF A
DRIVE

AC3264'AT 940 (ISLAND CLUB CONDOMINIUM NUMBER ONE), 39.9 FT (12.2 M) SOUTH
OF

AC3264'THE APPROXIMATE CENTERLINE OF SWALLOW AVENUE, 15.0 FT (4.6 M) WEST OF
AC3264'THE APPROXIMATE CENTERLINE OF THE WEST ENTRANCE DRIVE TO 960 (THE
AC3264'SWALLOWS CONDOMINIUM), 1.0 FT (0.3 M) WEST OF A CONCRETE POWER POLE
AC3264'NUMBER 6681AA WITH ONE LIGHT ATTACHED, 0.9 FT (27 CM) SOUTH OF THE
AC3264'SOUTH SIDE OF THE SIDEWALK AND 0.5 FT (15 CM) NORTHEAST OF A ROUND
AC3264'GREEN TELECOMMUNICATIONS CABLE BOX.

AC3264'

AC3264'NOTE A MAGNET WAS IMBEDDED IN THE GROUND ON THE SOUTH SIDE OF THE
AC3264'MONUMENT

AC3264

AC3264

STATION RECOVERY (2011)

AC3264

AC3264'RECOVERY NOTE BY GEOCACHING 2011 (DEB)

AC3264'RECOVERED IN GOOD CONDITION.

AC3264

AC3264

STATION RECOVERY (2013)

AC3264

AC3264'RECOVERY NOTE BY COLLIER COUNTY FLORIDA 2013 (MLB)

AC3264'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:02

PHOTOGRAPHS – 872 4979 C TIDAL



The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.4
 1 National Geodetic Survey, Retrieval Date = DECEMBER 6, 2013
 AC3395

AC3395 TIDAL BM - This is a Tidal Bench Mark.
 AC3395 DESIGNATION - 872 4979 C TIDAL
 AC3395 PID - AC3395
 AC3395 STATE/COUNTY- FL/COLLIER
 AC3395 COUNTRY - US
 AC3395 USGS QUAD - MARCO ISLAND (1995)
 AC3395
 AC3395 *CURRENT SURVEY CONTROL
 AC3395

AC3395* NAD 83(1986) POSITION- 25 55 57.1 (N) 081 39 20.3 (W)
 HD HELD2
 AC3395* NAVD 88 ORTHO HEIGHT - 1.628 (meters) 5.34 (feet)
 ADJUSTED
 AC3395

AC3395 GEOID HEIGHT - -23.29 (meters)
 GEOID12A
 AC3395 DYNAMIC HEIGHT - 1.625 (meters) 5.33 (feet) COMP
 AC3395 MODELED GRAVITY - 979,034.6 (mgal) NAVD
 88
 AC3395
 AC3395 VERT ORDER - FIRST CLASS II
 AC3395

AC3395.The horizontal coordinates were established by autonomous hand held GPS

AC3395.observations and have an estimated accuracy of +/- 10 meters.
 AC3395.

AC3395.The orthometric height was determined by differential leveling and
 AC3395.adjusted by the NATIONAL GEODETIC SURVEY
 AC3395.in May 2013.
 AC3395

AC3395.This Tidal Bench Mark is designated as VM 9755
 AC3395.by the CENTER FOR OPERATIONAL OCEANOGRAPHIC PRODUCTS AND SERVICES.
 AC3395

AC3395.Photographs are available for this station.
 AC3395

AC3395.The dynamic height is computed by dividing the NAVD 88
 AC3395.geopotential number by the normal gravity value computed on the
 AC3395.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AC3395.degrees latitude (g = 980.6199 gals.).
 AC3395

AC3395.The modeled gravity was interpolated from observed gravity values.
 AC3395

AC3395;	North	East	Units	Estimated Accuracy
AC3395;SPC FL E -	177,305.	134,324.	MT	(+/- 10 meters HH2 GPS)

AC3395
 AC3395 SUPERSEDED SURVEY CONTROL
 AC3395
 AC3395 NAVD 88 (06/15/91) 1.624 (m) 5.33 (f) SUPERSEDED 2
 1
 AC3395 NGVD 29 (09/01/92) 2.024 (m) 6.64 (f) ADJUSTED 2
 1

AC3395
 AC3395.Superseded values are not recommended for survey control.
 AC3395
 AC3395.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 AC3395.See file dsdata.txt to determine how the superseded data were
 derived.

AC3395
 AC3395_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMJ3434668376(NAD 83)
 AC3395
 AC3395_MARKER: DB = BENCH MARK DISK
 AC3395_SETTING: 48 = GALVANIZED STEEL ROD W/O SLEEVE (10 FT.+)
 AC3395_SP_SET: GALVANIZED STEEL ROD
 AC3395_STAMPING: 4979 C 1978
 AC3395_MARK LOGO: NOS
 AC3395_PROJECTION: PROJECTING 3 CENTIMETERS
 AC3395_MAGNETIC: N = NO MAGNETIC MATERIAL
 AC3395_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
 AC3395_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR
 AC3395+SATELLITE: SATELLITE OBSERVATIONS - July 31, 2013
 AC3395_ROD/PIPE-DEPTH: 7.32 meters

AC3395	HISTORY	- Date	Condition	Report By
AC3395	HISTORY	- 1978	MONUMENTED	NOS
AC3395	HISTORY	- 1984	GOOD	FLDNR
AC3395	HISTORY	- 1990	GOOD	USPSQD
AC3395	HISTORY	- 1990	GOOD	USPSQD
AC3395	HISTORY	- 20021123	GOOD	USPSQD
AC3395	HISTORY	- 20080611	GOOD	FLDEP
AC3395	HISTORY	- 20080611	GOOD	FLDEP
AC3395	HISTORY	- 20110922	GOOD	GEOCAC
AC3395	HISTORY	- 20130731	GOOD	FL-021

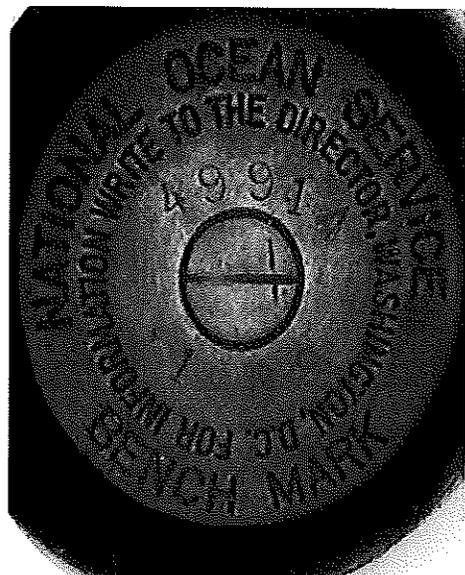
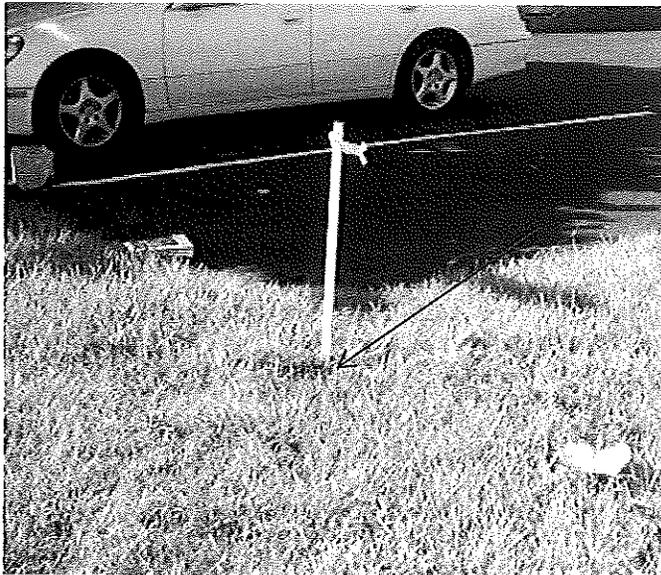
AC3395
 AC3395 STATION DESCRIPTION
 AC3395
 AC3395'DESCRIBED BY FL DEPT OF NAT RES 1984
 AC3395'4.85 MI ENE FROM MARCO ISLAND.
 AC3395'BEGIN AT THE JUNCTION OF STATE ROAD 92 AND STATE ROAD 951 (COLLIER
 AC3395'BOULEVARD), GO 4.85 MILES EASTERLY ON STATE ROAD 92 TO THE WEST END
 OF
 AC3395'THE BRIDGE OVER GOODLAND BAY AND THE MARK VICINITY. THE MARK IS
 UNDER
 AC3395'THE BRIDGE, 1 FOOT SOUTH OF THE SOUTH PILING OF THE WESTERNMOST GROUP
 AC3395'OF PILINGS SUPPORTING THE BRIDGE, 26.1 FEET EAST OF THE CENTERLINE OF
 AC3395'A PAVED ROAD (UNDER THE BRIDGE) THAT LEADS TO THE SHIP AHOY MARINA,
 AC3395'AND 1 FOOT SOUTH OF A WITNESS POST.

AC3395
 AC3395 STATION RECOVERY (1990)
 AC3395
 AC3395'RECOVERY NOTE BY US POWER SQUADRON 1990 (BHS)
 AC3395'RECOVERED IN GOOD CONDITION.

AC3395
AC3395 STATION RECOVERY (1990)
AC3395
AC3395'RECOVERY NOTE BY US POWER SQUADRON 1990 (HEA)
AC3395'RECOVERED IN GOOD CONDITION.
AC3395
AC3395 STATION RECOVERY (2002)
AC3395
AC3395'RECOVERY NOTE BY US POWER SQUADRON 2002 (WHL)
AC3395'IN DESCRIPTION CHANGE NAME OF MARINA FROM SHIP AHOY MARINA TO MORAN'S
AC3395'BARGE MARINA.
AC3395
AC3395 STATION RECOVERY (2008)
AC3395
AC3395'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)
AC3395'RECOVERED AS DESCRIBED.
AC3395
AC3395 STATION RECOVERY (2008)
AC3395
AC3395'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)
AC3395'RECOVERED AS DESCRIBED.
AC3395
AC3395 STATION RECOVERY (2011)
AC3395
AC3395'RECOVERY NOTE BY GEOCACHING 2011 (DEB)
AC3395'RECOVERED IN GOOD CONDITION.
AC3395
AC3395 STATION RECOVERY (2013)
AC3395
AC3395'RECOVERY NOTE BY COLLIER COUNTY FLORIDA 2013 (MLB)
AC3395'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:03

PHOTOGRAPHS – 872 4991 A TIDAL



The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.4
 1 National Geodetic Survey, Retrieval Date = DECEMBER 6, 2013
 AA7622

AA7622 TIDAL BM - This is a Tidal Bench Mark.
 AA7622 DESIGNATION - 872 4991 A TIDAL
 AA7622 PID - AA7622
 AA7622 STATE/COUNTY- FL/COLLIER
 AA7622 COUNTRY - US
 AA7622 USGS QUAD - MARCO ISLAND (1995)
 AA7622
 AA7622 *CURRENT SURVEY CONTROL
 AA7622

AA7622* NAD 83(1986) POSITION- 25 58 21.8 (N) 081 43 41.0 (W)
 HD_HELD2
 AA7622* NAVD 88 ORTHO HEIGHT - 2.109 (meters) 6.92 (feet)
 ADJUSTED
 AA7622

AA7622 GEOID HEIGHT - -23.24 (meters)
 GEOID12A
 AA7622 DYNAMIC HEIGHT - 2.105 (meters) 6.91 (feet) COMP
 AA7622 MODELED GRAVITY - 979,038.9 (mgal) NAVD

88

AA7622
 AA7622 VERT ORDER - FIRST CLASS II
 AA7622

AA7622.The horizontal coordinates were established by autonomous hand held GPS

AA7622.observations and have an estimated accuracy of +/- 10 meters.
 AA7622.

AA7622.The orthometric height was determined by differential leveling and
 AA7622.adjusted by the NATIONAL GEODETIC SURVEY
 AA7622.in January 2002.

AA7622
 AA7622.No vertical observational check was made to the station.
 AA7622

AA7622.This Tidal Bench Mark is designated as VM 9758
 AA7622.by the CENTER FOR OPERATIONAL OCEANOGRAPHIC PRODUCTS AND SERVICES.
 AA7622

AA7622.Photographs are available for this station.
 AA7622

AA7622.The dynamic height is computed by dividing the NAVD 88
 AA7622.geopotential number by the normal gravity value computed on the
 AA7622.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AA7622.degrees latitude (g = 980.6199 gals.).
 AA7622

AA7622.The modeled gravity was interpolated from observed gravity values.
 AA7622

AA7622; North East Units Estimated Accuracy

AA7622;SPC FL E - 181,796. 127,095. MT (+/- 10 meters HH2
GPS)

AA7622

AA7622 SUPERSEDED SURVEY CONTROL

AA7622

AA7622 NAVD 88 (12/19/96) 2.111 (m) 6.93 (f) SUPERSEDED 2
1

AA7622

AA7622.Superseded values are not recommended for survey control.

AA7622

AA7622.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AA7622.See file dsdata.txt to determine how the superseded data were
derived.

AA7622

AA7622_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMJ2711972865(NAD 83)

AA7622

AA7622_MARKER: DJ = TIDAL STATION DISK

AA7622_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)

AA7622_STAMPING: 4991 A 1989

AA7622_MARK LOGO: NOS

AA7622_PROJECTION: RECESSED 3 CENTIMETERS

AA7622_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

AA7622_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AA7622_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AA7622+SATELLITE: SATELLITE OBSERVATIONS - May 11, 2011

AA7622

AA7622	HISTORY	-	Date	Condition	Report By
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AA7622	HISTORY	-	1989	MONUMENTED	FLDNR
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AA7622	HISTORY	-	19910801	GOOD	FLDNR
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AA7622	HISTORY	-	20010702	GOOD	LDBLS
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AA7622	HISTORY	-	20020318	GOOD	MAPTEC
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AA7622	HISTORY	-	20080611	GOOD	FLDEP
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AA7622	HISTORY	-	20080611	GOOD	FLDEP
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AA7622	HISTORY	-	20110511	GOOD	CRAMER
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AA7622	HISTORY	-	20110925	MARK NOT FOUND	GEOCAC
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AA7622	HISTORY	-	20130416	MARK NOT FOUND	FL-021
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AA7622

AA7622 STATION DESCRIPTION

AA7622

AA7622'DESCRIBED BY FL DEPT OF NAT RES 1991 (RLM)

AA7622'THE BENCHMARK IS LOCATED AT THE NORTHERN END OF MARCO ISLAND NEAR THE

AA7622'NORTH END OF BALD EAGLE DRIVE AND SOUTH OF THE SNOOK INN RESTAURANT,

AA7622'IN SECTION 5, TOWNSHIP 52 S, RANGE 26 E. TO REACH THE BENCHMARK FROM

AA7622'THE INTERSECTION OF STATE ROAD 92 AND STATE ROAD 951 (COLLIER

AA7622'BOULEVARD) ON MARCO ISLAND, GO NORTH THEN NORTHEAST ON STATE ROAD 951

AA7622'(COLLIER BOULEVARD) FOR 1.5 MI (2.4 KM) TO THE INTERSECTION OF STATE

AA7622'ROAD 951 (COLLIER BOULEVARD) AND COUNTY ROAD C-953 (BALD EAGLE
DRIVE),

AA7622'TURN LEFT AND GO NORTH ON COUNTY ROAD C-953 (BALD EAGLE DRIVE) FOR
1.3

AA7622'MI (2.1 KM) TO THE DOXEE SEAFOOD STORE AND THE MARK ON THE RIGHT. THE

AA7622'MARK IS 69.0 FT (21.0 M) NORTHEAST OF THE DOXEE SEAFOOD STORE, 66.1

FT

AA7622'(20.1 M) SOUTH-SOUTHEAST OF THE NORTHEAST CORNER OF THE SNOOK INN

AA7622'MOTEL AND 9.6 FT (2.9 M) NORTH-NORTHEAST OF A THREE TRUNKED TREE.

AA7622

AA7622 STATION RECOVERY (2001)

AA7622 STATION RECOVERY (2008)
AA7622
AA7622'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)
AA7622'RECOVERED AS DESCRIBED.
AA7622
AA7622 STATION RECOVERY (2008)
AA7622
AA7622'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)
AA7622'RECOVERED AS DESCRIBED.
AA7622
AA7622 STATION RECOVERY (2011)
AA7622
AA7622'RECOVERY NOTE BY D CRAMER SURVEYING INC 2011 (DKC)
AA7622'TREE DESCRIBED NOW HAS MANY OFFSHOOTS, HARD TO IDENTIFY AS 'THREE
AA7622'TRUNKED'.
AA7622
AA7622 STATION RECOVERY (2011)
AA7622
AA7622'RECOVERY NOTE BY GEOCACHING 2011
AA7622'MARK NOT FOUND.
AA7622
AA7622 STATION RECOVERY (2013)
AA7622
AA7622'RECOVERY NOTE BY COLLIER COUNTY FLORIDA 2013 (MLB)
AA7622'MARK NOT FOUND.

*** retrieval complete.

Elapsed Time = 00:00:01

PHOTOGRAPHS - COL10



The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.4
1 National Geodetic Survey, Retrieval Date = DECEMBER 6, 2013
AC3390

AC3390 DESIGNATION - COL 10
AC3390 PID - AC3390
AC3390 STATE/COUNTY- FL/COLLIER
AC3390 COUNTRY - US
AC3390 USGS QUAD - MARCO ISLAND (1995)
AC3390
AC3390 *CURRENT SURVEY CONTROL
AC3390

AC3390* NAD 83(1986) POSITION- 25 56 16.6 (N) 081 41 03.5 (W)
HD_HELD2
AC3390* NAVD 88 ORTHO HEIGHT - 2.369 (meters) 7.77 (feet)
ADJUSTED
AC3390

AC3390 GEOID HEIGHT - -23.25 (meters)
GEOID12A
AC3390 DYNAMIC HEIGHT - 2.365 (meters) 7.76 (feet) COMP
AC3390 MODELED GRAVITY - 979,035.7 (mgal) NAVD
88

AC3390
AC3390 VERT ORDER - FIRST CLASS II
AC3390

AC3390.The horizontal coordinates were established by autonomous hand held GPS

AC3390.observations and have an estimated accuracy of +/- 10 meters.
AC3390.

AC3390.The orthometric height was determined by differential leveling and
AC3390.adjusted by the NATIONAL GEODETIC SURVEY
AC3390.in May 2013.

AC3390
AC3390.Photographs are available for this station.
AC3390

AC3390.The dynamic height is computed by dividing the NAVD 88
AC3390.geopotential number by the normal gravity value computed on the
AC3390.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AC3390.degrees latitude ($g = 980.6199$ gals.).

AC3390
AC3390.The modeled gravity was interpolated from observed gravity values.
AC3390

AC3390;	North	East	Units	Estimated Accuracy
AC3390;SPC FL E -	177,919.	131,456.	MT	(+/- 10 meters HH2 GPS)

AC3390
AC3390 SUPERSEDED SURVEY CONTROL
AC3390

AC3390 NAVD 88 (06/15/91) 2.471 (m) 8.11 (f) SUPERSEDED 2
1
AC3390 NGVD 29 (09/01/92) 2.870 (m) 9.42 (f) ADJUSTED 2
1

AC3390
AC3390.Superseded values are not recommended for survey control.
AC3390
AC3390.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AC3390.See file dsdata.txt to determine how the superseded data were derived.

AC3390
AC3390_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMJ3147968990(NAD 83)
AC3390

AC3390_MARKER: DD = SURVEY DISK
AC3390_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
AC3390_SP SET: CONCRETE POST
AC3390_STAMPING: COL 10 1984 BSM
AC3390_MARK LOGO: FLDNR
AC3390_PROJECTION: FLUSH
AC3390_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
AC3390_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AC3390+STABILITY: SURFACE MOTION
AC3390_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AC3390+SATELLITE: SATELLITE OBSERVATIONS - June 24, 2008

AC3390
AC3390 HISTORY - Date Condition Report By
AC3390 HISTORY - 1984 MONUMENTED FLDNR
AC3390 HISTORY - 1990 GOOD USPSQD
AC3390 HISTORY - 1990 GOOD USPSQD
AC3390 HISTORY - 20080624 GOOD FLDEP
AC3390 HISTORY - 20080624 GOOD FLDEP
AC3390 HISTORY - 20110921 GOOD GEOCAC
AC3390 HISTORY - 20130129 GOOD FL-021

AC3390
AC3390
AC3390 STATION DESCRIPTION

AC3390'DESCRIBED BY FL DEPT OF NAT RES 1984
AC3390'3.05 MI ENE FROM MARCO ISLAND.
AC3390'BEGIN AT THE JUNCTION OF STATE ROAD 92 WITH STATE ROAD 951 (COLLIER
AC3390'BOULEVARD), GO 3.05 MILES EASTERLY ON STATE ROAD 92 TO THE JUNCTION
OF

AC3390'MARINER STREET. THE MARK BEARS 42.2 FEET SOUTHWEST OF THE CENTERLINE
AC3390'OF THE ROAD, 57.5 FEET NORTHWEST OF THE CENTERLINE OF MARINER STREET,
AC3390'2.4 FEET NORTHEAST OF A TELEPHONE POLE, AND 1.5 FEET SOUTHEAST OF A
AC3390'WITNESS POST.

AC3390'THE MARK IS ABOVE LEVEL WITH ROAD.

AC3390
AC3390 STATION RECOVERY (1990)

AC3390
AC3390'RECOVERY NOTE BY US POWER SQUADRON 1990 (HS)
AC3390'RECOVERED IN GOOD CONDITION.

AC3390
AC3390 STATION RECOVERY (1990)

AC3390
AC3390'RECOVERY NOTE BY US POWER SQUADRON 1990 (HEA)
AC3390'RECOVERED IN GOOD CONDITION.

AC3390

AC3390 STATION RECOVERY (2008)

AC3390

AC3390'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)

AC3390'RECOVERED AS DESCRIBED.

AC3390

AC3390 STATION RECOVERY (2008)

AC3390

AC3390'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)

AC3390'RECOVERED AS DESCRIBED.

AC3390

AC3390 STATION RECOVERY (2011)

AC3390

AC3390'RECOVERY NOTE BY GEOCACHING 2011

AC3390'FOUND AS DESCRIBED IN GOOD CONDITION WITH THE FOLLOWING CHANGES TO
THE

AC3390'RECOVERY DESCRIPTION. THE TELEPHONE POLE AND WITNESS MARKER ARE GONE.

AC3390

AC3390 STATION RECOVERY (2013)

AC3390

AC3390'RECOVERY NOTE BY COLLIER COUNTY FLORIDA 2013 (MLB)

AC3390'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:03

PHOTOGRAPHS - COL11



The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.4
1 National Geodetic Survey, Retrieval Date = DECEMBER 6, 2013
AC3389

AC3389 DESIGNATION - COL 11
AC3389 PID - AC3389
AC3389 STATE/COUNTY- FL/COLLIER
AC3389 COUNTRY - US
AC3389 USGS QUAD - MARCO ISLAND (1995)
AC3389
AC3389 *CURRENT SURVEY CONTROL
AC3389

AC3389* NAD 83(1986) POSITION- 25 56 03.8 (N) 081 41 59.9 (W)
HD HELD2
AC3389* NAVD 88 ORTHO HEIGHT - 1.408 (meters) 4.62 (feet)
ADJUSTED
AC3389

AC3389 GEOID HEIGHT - -23.22 (meters)
GEOID12A
AC3389 DYNAMIC HEIGHT - 1.406 (meters) 4.61 (feet) COMP
AC3389 MODELED GRAVITY - 979,035.9 (mgal) NAVD
88

AC3389
AC3389 VERT ORDER - FIRST CLASS II
AC3389

AC3389.The horizontal coordinates were established by autonomous hand held GPS

AC3389.observations and have an estimated accuracy of +/- 10 meters.
AC3389.

AC3389.The orthometric height was determined by differential leveling and
AC3389.adjusted by the NATIONAL GEODETIC SURVEY
AC3389.in May 2013.

AC3389
AC3389.Photographs are available for this station.
AC3389

AC3389.The dynamic height is computed by dividing the NAVD 88
AC3389.geopotential number by the normal gravity value computed on the
AC3389.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AC3389.degrees latitude (g = 980.6199 gals.).

AC3389
AC3389.The modeled gravity was interpolated from observed gravity values.
AC3389

AC3389;	North	East	Units	Estimated Accuracy
AC3389;SPC FL E -	177,534.	129,885.	MT	(+/- 10 meters HH2

GPS)

AC3389
AC3389 SUPERSEDED SURVEY CONTROL
AC3389

AC3389 NAVD 88 (06/15/91) 1.437 (m) 4.71 (f) SUPERSEDED 2
 1
 AC3389 NGVD 29 (09/01/92) 1.837 (m) 6.03 (f) ADJUSTED 2
 1

AC3389
 AC3389.Superseded values are not recommended for survey control.
 AC3389
 AC3389.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 AC3389.See file dsdata.txt to determine how the superseded data were derived.

AC3389
 AC3389 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMJ2990868605(NAD 83)
 AC3389

AC3389 MARKER: DD = SURVEY DISK
 AC3389 SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 AC3389 SP SET: CONCRETE POST
 AC3389 STAMPING: COL 11 1984 BSM
 AC3389 MARK LOGO: FLDNR
 AC3389 PROJECTION: FLUSH
 AC3389 MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 AC3389 STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 AC3389+STABILITY: SURFACE MOTION
 AC3389 SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR
 AC3389+SATELLITE: SATELLITE OBSERVATIONS - June 24, 2008

AC3389

AC3389	HISTORY	- Date	Condition	Report By
AC3389	HISTORY	- 1984	MONUMENTED	FLDNR
AC3389	HISTORY	- 1990	GOOD	USPSQD
AC3389	HISTORY	- 1990	GOOD	USPSQD
AC3389	HISTORY	- 20080624	GOOD	FLDEP
AC3389	HISTORY	- 20080624	GOOD	FLDEP
AC3389	HISTORY	- 20110921	GOOD	GEOCAC
AC3389	HISTORY	- 20130403	GOOD	FL-021

AC3389
 AC3389 STATION DESCRIPTION
 AC3389
 AC3389'DESCRIBED BY FL DEPT OF NAT RES 1984
 AC3389'IN MARCO ISLAND.
 AC3389'BEGIN AT THE JUNCTION OF STATE ROAD 92 WITH STATE ROAD 951 (COLLIER
 AC3389'BOULEVARD), GO 2.05 MILES EASTERLY ON STATE ROAD 92 TO THE
 AC3389'INTERSECTION OF BARFIELD DRIVE. THE MARK BEARS 53 FEET NORTHWEST OF
 AC3389'THE CENTERLINE OF THE ROAD, 39.8 FEET SOUTHWEST OF THE CENTERLINE OF
 AC3389'BARFIELD DRIVE, 2.8 FEET NORTHWEST OF A CONCRETE POWERLINE ANCHOR
 AC3389'POLE, AND 1.5 FEET NORTHEAST OF A WITNESS POST.
 AC3389'THE MARK IS 2 FT ABOVE ROAD.

AC3389
 AC3389 STATION RECOVERY (1990)
 AC3389
 AC3389'RECOVERY NOTE BY US POWER SQUADRON 1990 (HEA)
 AC3389'RECOVERED IN GOOD CONDITION.

AC3389
 AC3389 STATION RECOVERY (1990)
 AC3389
 AC3389'RECOVERY NOTE BY US POWER SQUADRON 1990 (TS)
 AC3389'RECOVERED IN GOOD CONDITION.

AC3389
 AC3389 STATION RECOVERY (2008)

AC3389

AC3389'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)

AC3389'THE MARK IS ABOUT 7.8 MI (12.6 KM) SOUTH OF BELLE MEADE, 7.6 MI (12.2
AC3389'KM) WEST-SOUTHWEST OF ROYAL PALM HAMMOCK, 3.5 MI (5.6 KM)

AC3389'SOUTH-SOUTHEAST OF MARCO, IN SECTION 16, TOWNSHIP 51 SOUTH, RANGE 26
AC3389'EAST.

AC3389'

AC3389'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 41 (TAMIAMI
AC3389'TRAIL) AND STATE HIGHWAY 951 (COLLIER BOULEVARD) IN NAPLES, GO SOUTH
AC3389'ON STATE HIGHWAY 951 (COLLIER BOULEVARD) FOR 5.65 MI (9.1 KM) TO THE
AC3389'JUNCTION OF COUNTY ROAD 952 ON THE RIGHT. CONTINUE SOUTH ON STATE
AC3389'HIGHWAY 951 FOR 2.65 MI (4.3 KM) TO THE INTERSECTION OF BALD EAGLE
AC3389'DRIVE. CONTINUE SOUTHWEST ON STATE HIGHWAY 951 (COLLIER BOULEVARD)
AC3389'FOR 1.55 MI (2.5 KM) TO THE JUNCTION OF SAN MARCO ROAD ON THE LEFT.
AC3389'TURN LEFT ON SAN MARCO ROAD AND GO EASTERLY FOR 2.05 MI (3.3 KM) TO
AC3389'THE JUNCTION OF BARFIELD DRIVE ON THE LEFT AND THE MARK ON THE LEFT,
AC3389'SET IN THE TOP OF A ROUND CONCRETE MONUMENT FLUSH WITH THE GROUND AND
AC3389'ABOUT LEVEL WITH SAN MARCO ROAD.

AC3389'

AC3389'LOCATED 3.5 FT (1.1 M) EAST OF THE EAST SIDE OF A BRICK SIDEWALK, 2.7
AC3389'FT (0.8 M) NORTH OF A SQUARE CONCRETE POWER POLE, 2.2 FT (0.7 M)
SOUTH

AC3389'OF A 12-INCH (30 CM) PALM TREE AND 0.9 FT (27 CM) SOUTH OF A
CARSONITE

AC3389'WITNESS POST.

AC3389'

AC3389'NOTE A MAGNET WAS IMBEDDED IN THE GROUND ON THE SOUTH SIDE OF THE
AC3389'MONUMENT.

AC3389

AC3389

STATION RECOVERY (2008)

AC3389

AC3389'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)

AC3389'THE MARK IS ABOUT 7.8 MI (12.6 KM) SOUTH OF BELLE MEADE, 7.6 MI (12.2
AC3389'KM) WEST-SOUTHWEST OF ROYAL PALM HAMMOCK, 3.5 MI (5.6 KM)

AC3389'SOUTH-SOUTHEAST OF MARCO, IN SECTION 16, TOWNSHIP 51 SOUTH, RANGE 26
AC3389'EAST.

AC3389'

AC3389'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 41 (TAMIAMI
AC3389'TRAIL) AND STATE HIGHWAY 951 (COLLIER BOULEVARD) IN NAPLES, GO SOUTH
AC3389'ON STATE HIGHWAY 951 (COLLIER BOULEVARD) FOR 5.65 MI (9.1 KM) TO THE
AC3389'JUNCTION OF COUNTY ROAD 952 ON THE RIGHT. CONTINUE SOUTH ON STATE
AC3389'HIGHWAY 951 FOR 2.65 MI (4.3 KM) TO THE INTERSECTION OF BALD EAGLE
AC3389'DRIVE. CONTINUE SOUTHWEST ON STATE HIGHWAY 951 (COLLIER BOULEVARD)
AC3389'FOR 1.55 MI (2.5 KM) TO THE JUNCTION OF SAN MARCO ROAD ON THE LEFT.
AC3389'TURN LEFT ON SAN MARCO ROAD AND GO EASTERLY FOR 2.05 MI (3.3 KM) TO
AC3389'THE JUNCTION OF BARFIELD DRIVE ON THE LEFT AND THE MARK ON THE LEFT,
AC3389'SET IN THE TOP OF A ROUND CONCRETE MONUMENT FLUSH WITH THE GROUND AND
AC3389'ABOUT LEVEL WITH SAN MARCO ROAD.

AC3389'

AC3389'LOCATED 3.5 FT (1.1 M) EAST OF THE EAST SIDE OF A BRICK SIDEWALK, 2.7
AC3389'FT (0.8 M) NORTH OF A SQUARE CONCRETE POWER POLE, 2.2 FT (0.7 M)
SOUTH

AC3389'OF A 12-INCH (30 CM) PALM TREE AND 0.9 FT (27 CM) SOUTH OF A
CARSONITE

AC3389'WITNESS POST.

AC3389'

AC3389'NOTE A MAGNET WAS IMBEDDED IN THE GROUND ON THE SOUTH SIDE OF THE

AC3389'MONUMENT.

AC3389

AC3389

STATION RECOVERY (2011)

AC3389

AC3389'RECOVERY NOTE BY GEOCACHING 2011 (DEB)

AC3389'RECOVERED IN GOOD CONDITION.

AC3389

AC3389

STATION RECOVERY (2013)

AC3389

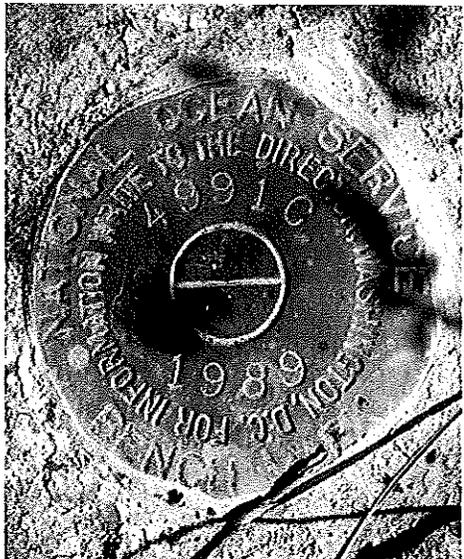
AC3389'RECOVERY NOTE BY COLLIER COUNTY FLORIDA 2013 (MLB)

AC3389'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:03

PHOTOGRAPHS – 872 4991 C TIDAL



The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.4

1 National Geodetic Survey, Retrieval Date = DECEMBER 6, 2013

AA7624

AA7624 TIDAL BM - This is a Tidal Bench Mark.

AA7624 DESIGNATION - 872 4991 C TIDAL

AA7624 PID - AA7624

AA7624 STATE/COUNTY- FL/COLLIER

AA7624 COUNTRY - US

AA7624 USGS QUAD - MARCO ISLAND (1995)

AA7624

AA7624 *CURRENT SURVEY CONTROL

AA7624

AA7624* NAD 83(1986) POSITION- 25 57 43.02 (N) 081 43 40.11 (W)

HD_HELD1

AA7624* NAVD 88 ORTHO HEIGHT - 1.341 (meters) 4.40 (feet)

ADJUSTED

AA7624

AA7624 GEOID HEIGHT - -23.22 (meters)

GEOID12A

AA7624 DYNAMIC HEIGHT - 1.339 (meters) 4.39 (feet) COMP

AA7624 MODELED GRAVITY - 979,038.2 (mgal) NAVD

88

AA7624

AA7624 VERT ORDER - FIRST CLASS II

AA7624

AA7624.The horizontal coordinates were determined by differentially corrected

AA7624.hand held GPS observations or other comparable positioning techniques

AA7624.and have an estimated accuracy of +/- 3 meters.

AA7624.

AA7624.The orthometric height was determined by differential leveling and

AA7624.adjusted by the NATIONAL GEODETIC SURVEY

AA7624.in May 2013.

AA7624

AA7624.This Tidal Bench Mark is designated as VM 9760

AA7624.by the CENTER FOR OPERATIONAL OCEANOGRAPHIC PRODUCTS AND SERVICES.

AA7624

AA7624.Photographs are available for this station.

AA7624

AA7624.The dynamic height is computed by dividing the NAVD 88

AA7624.geopotential number by the normal gravity value computed on the

AA7624.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AA7624.degrees latitude (g = 980.6199 gals.).

AA7624

AA7624.The modeled gravity was interpolated from observed gravity values.

AA7624

AA7624; North East Units Estimated Accuracy

AA7624;SPC FL E - 180,602.3 127,113.1 MT (+/- 3 meters HH1
GPS)

AA7624

AA7624 SUPERSEDED SURVEY CONTROL

AA7624

AA7624 NAVD 88 (01/24/02) 1.353 (m) 4.44 (f) SUPERSEDED 1
2

AA7624 NAVD 88 (12/19/96) 1.385 (m) 4.54 (f) SUPERSEDED 2
1

AA7624

AA7624.Superseded values are not recommended for survey control.

AA7624

AA7624.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AA7624.See file dsdata.txt to determine how the superseded data were
derived.

AA7624

AA7624 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMJ2713771672(NAD 83)

AA7624

AA7624 MARKER: DB = BENCH MARK DISK

AA7624 SETTING: 35 = SET IN A MAT FOUNDATION OR CONCRETE SLAB OTHER THAN

AA7624+WITH SETTING: PAVEMENT

AA7624 SP SET: FOUNDATION

AA7624 STAMPING: 4991 C 1989

AA7624 MARK LOGO: NOS

AA7624 MAGNETIC: N = NO MAGNETIC MATERIAL

AA7624 STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AA7624+STABILITY: SURFACE MOTION

AA7624 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AA7624+SATELLITE: SATELLITE OBSERVATIONS - September 20, 2011

AA7624

AA7624 HISTORY - Date Condition Report By

AA7624 HISTORY - 1989 MONUMENTED FLDNR

AA7624 HISTORY - 19900801 GOOD FLDNR

AA7624 HISTORY - 20010701 GOOD LDBLS

AA7624 HISTORY - 20020318 GOOD MAPTEC

AA7624 HISTORY - 20080611 GOOD FLDEP

AA7624 HISTORY - 20080611 GOOD FLDEP

AA7624 HISTORY - 20110920 GOOD GEOCAC

AA7624

AA7624 STATION DESCRIPTION

AA7624

AA7624'DESCRIBED BY FL DEPT OF NAT RES 1990 (RLM)

AA7624'THE BENCHMARK IS LOCATED AT THE NORTHERN END OF MARCO ISLAND, WEST OF

AA7624'THE MARCO RIVER MARINA, IN SECTION 5, TOWNSHIP 52 S, RANGE 26 E. TO

AA7624'REACH THE BENCHMARK FROM THE INTERSECTION OF STATE ROAD 92 AND STATE

AA7624'ROAD 951 (COLLIER BOULEVARD) ON MARCO ISLAND, GO NORTH THEN NORTHEAST

AA7624'ON STATE ROAD 951 (COLLIER BOULEVARD) FOR 1.5 MI (2.4 KM) TO THE

AA7624'INTERSECTION OF STATE ROAD 951 (COLLIER BOULEVARD) AND COUNTY ROAD

AA7624'C-953 (BALD EAGLE DRIVE), TURN LEFT AND GO NORTH ON COUNTY ROAD C-953

AA7624'(BALD EAGLE DRIVE) FOR 0.55 MI (0.89 KM) TO THE MARCO RIVER MARINE

AA7624'STORE AND MARINA AND THE MARK ON THE LEFT, SET IN THE TOP OF THE

AA7624'CONCRETE BASE THAT SUPPORTS THE SIGN FOR THE MARCO RIVER MARINE

STORE,

AA7624'59.6 FT (18.2 M) EAST OF THE CENTERLINE OF BALD EAGLE DRIVE, 23.3 FT

AA7624'(7.1 M) SOUTH OF TWO PALM TREES AND 55.0 FT (16.8 M) WEST OF THE

MARCO

AA7624'RIVER MARINE STORE.

AA7624
AA7624 STATION RECOVERY (2001)
AA7624
AA7624'RECOVERY NOTE BY LD BRADLEY LAND SURVEYORS 2001 (JCH)
AA7624'THE MARK IS ABOUT 25.8 KM (16.05 MI) SOUTHEAST OF NAPLES, ON MARCO
AA7624'ISLAND,
AA7624'ALONG BALD EAGLE DRIVE. IN SECTION 8, TOWNSHIP 52 SOUTH, RANGE 26
EAST
AA7624'COLLIER
AA7624'COUNTY FLORIDA. OWNERSHIP- MARCO RIVER MARINA, 951 BALD EAGLE DRIVE
AA7624'
AA7624'TO REACH THE MARK FROM THE INTERSECTION OF I-75 AND COUNTY ROAD NO.
AA7624'951 (I- 75
AA7624'EXIT 15, NEAR NAPLES) GO SOUTH ON COUNTY ROAD NO. 951 11.1 KM (6.9
MI)
AA7624'TO THE
AA7624'INTERSECTION WITH U.S. NO. 41 (TAMIAMI TRAIL) PROCEED SOUTH ON STATE
AA7624'ROAD NO.
AA7624'951 11.2 KM (6.95 MI) TO THE CENTER OF THE MARCO PASS BRIDGE NO.
AA7624'030148
AA7624'(JUDGE S.S. JOLLEY BRIDGE, OVER MARCO RIVER), CONTINUE SOUTH-
SOUTHWEST
AA7624'ALONG
AA7624'STATE ROAD 951 (COLLIER BLVD) 2.0 KM (1.25 MI) TO THE INTERSECTION
AA7624'WITH BALD
AA7624'EAGLE DRIVE, TURN RIGHT AND GO NORTHWEST 0.9 KM (0.55 MI) ALONG BALD
AA7624'EAGLE
AA7624'DRIVE TO MARCO RIVER MARINA AND THE MARK ON THE RIGHT.
AA7624'
AA7624'THE MARK IS SET FLUSH ON TOP OF A CONCRETE FOUNDATION (OLD SIGN
AA7624'FOUNDATION,
AA7624'SIGN HAS BEEN RELOCATED), ABOUT 0.30 M (1.0 FT) ABOVE THE LEVEL OF
THE
AA7624'GROUND,
AA7624'AND ABOUT THE SAME LEVEL AS BALD EAGLE DRIVE, 18.20 M (59.7 FT)
AA7624'NORTHEAST OF
AA7624'THE CENTERLINE OF BALD EAGLE DRIVE, 4.51 M (14.8 FT) EAST OF THE
AA7624'EASTERLY EDGE
AA7624'OF A 1.5 M (5 FT) WIDE ASPHALT WALK, 2.50 M (8.2 FT) EAST OF A (3)
AA7624'RAIL WHITE
AA7624'VINYL PLANK, 37.37 M (122.6 FT) NORTHWEST OF THE CENTER OF THE
ASPHALT
AA7624'EXIT
AA7624'DRIVEWAY, ON THE SOUTHERLY SIDE OF THE MARINA, 50.29 M (165.0 FT)
AA7624'SOUTHEAST OF
AA7624'THE CENTER OF THE ASPHALT ENTRANCE DRIVEWAY ON THE NORTHERLY SIDE OF
AA7624'THE
AA7624'MARINA, AND 4.15 M (13.6 FT) SOUTHWEST OF THE SOUTHWEST CORNER OF THE
AA7624'NEW
AA7624'CONCRETE FOUNDATION SUPPORTING THE MARCO RIVER MARINA SIGN.
AA7624'
AA7624'
AA7624'
AA7624
AA7624 STATION RECOVERY (2002)
AA7624
AA7624'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CP)

AA7624'RECOVERED AS DESCRIBED.

AA7624'

AA7624

AA7624

STATION RECOVERY (2008)

AA7624

AA7624'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)

AA7624'RECOVERED IN GOOD CONDITION WITH THIS ADDITION, LOCATED IN A ROW OF

AA7624'HEDGES AND 8.5 FT (2.6 M) EAST OF A WHITE FENCE.

AA7624

AA7624

STATION RECOVERY (2008)

AA7624

AA7624'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)

AA7624'RECOVERED IN GOOD CONDITION WITH THIS ADDITION, LOCATED IN A ROW OF

AA7624'HEDGES AND 8.5 FT (2.6 M) EAST OF A WHITE FENCE.

AA7624

AA7624

STATION RECOVERY (2011)

AA7624

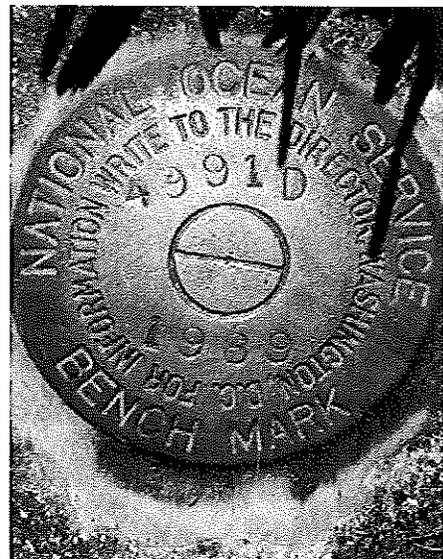
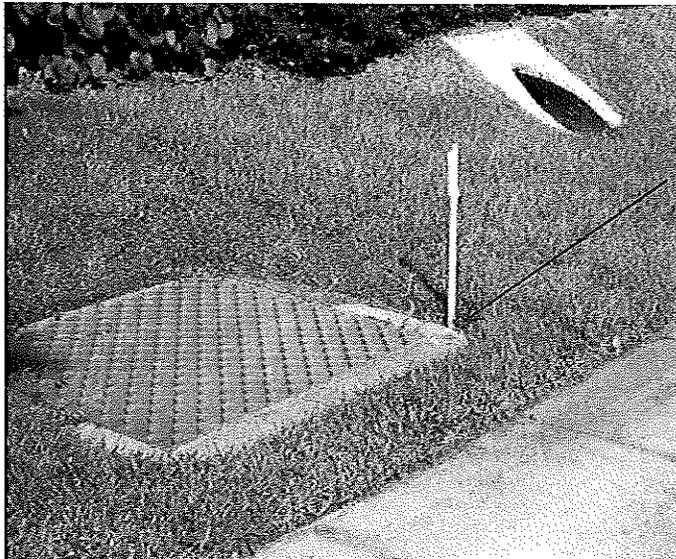
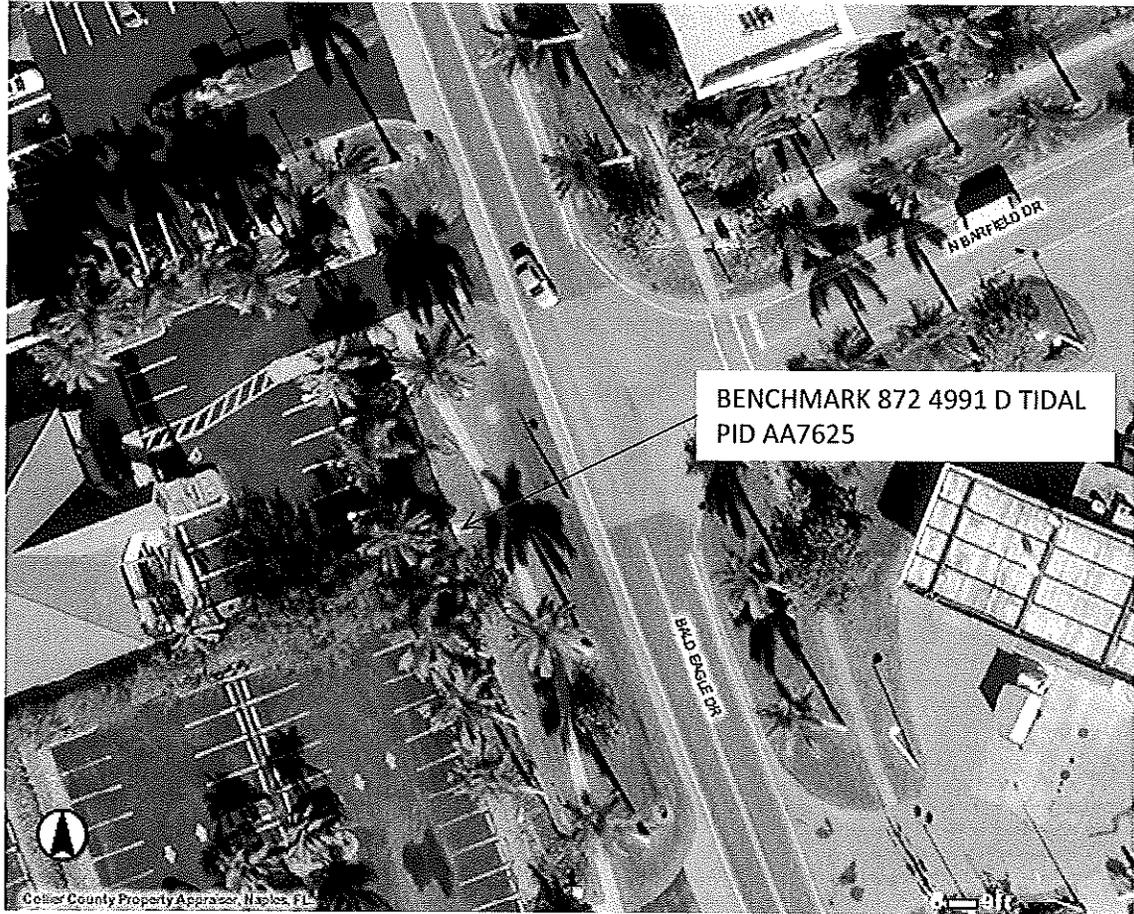
AA7624'RECOVERY NOTE BY GEOCACHING 2011 (DEB)

AA7624'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:02

PHOTOGRAPHS – 872 4991 D TIDAL



The NGS Data Sheet

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

```
PROGRAM = datasheet95, VERSION = 8.4
1      National Geodetic Survey,  Retrieval Date = DECEMBER 6, 2013
AA7625
*****
AA7625  TIDAL BM      -  This is a Tidal Bench Mark.
AA7625  DESIGNATION -  872 4991 D TIDAL
AA7625  PID          -  AA7625
AA7625  STATE/COUNTY-  FL/COLLIER
AA7625  COUNTRY      -  US
AA7625  USGS QUAD    -  MARCO ISLAND (1995)
AA7625
AA7625                                *CURRENT SURVEY CONTROL
AA7625

AA7625* NAD 83(2011) POSITION- 25 57 35.11901(N) 081 43 37.94969(W)
ADJUSTED
AA7625* NAD 83(2011) ELLIP HT-  -22.565 (meters)          (06/27/12)
ADJUSTED
AA7625* NAD 83(2011) EPOCH   - 2010.00
AA7625* NAVD 88 ORTHO HEIGHT -  0.640 (meters)          2.10 (feet)
ADJUSTED
AA7625

AA7625 NAD 83(2011) X  -  825,656.244 (meters)          COMP
AA7625 NAD 83(2011) Y  - -5,678,544.367 (meters)          COMP
AA7625 NAD 83(2011) Z  - 2,775,044.002 (meters)          COMP
AA7625 LAPLACE CORR   -  -1.61 (seconds)
DEFLEC12A
AA7625 GEOID HEIGHT   -  -23.22 (meters)
GEOID12A
AA7625 DYNAMIC HEIGHT -  0.639 (meters)          2.10 (feet) COMP
AA7625 MODELED GRAVITY -  979,038.1 (mgal)          NAVD
88
AA7625
AA7625 VERT ORDER      -  FIRST      CLASS II
AA7625
AA7625 FGDC Geospatial Positioning Accuracy Standards (95% confidence, cm)
AA7625 Type              Horiz  Ellip  Dist(km)
AA7625 -----
AA7625 NETWORK              0.77   1.76
AA7625 -----
AA7625 MEDIAN LOCAL ACCURACY AND DIST (021 points)  0.87   1.98   77.40
AA7625 -----
AA7625 NOTE: Click here for information on individual local accuracy
AA7625 values and other accuracy information.
AA7625
AA7625
AA7625.The horizontal coordinates were established by GPS observations
AA7625.and adjusted by the National Geodetic Survey in June 2012.
AA7625
AA7625.NAD 83(2011) refers to NAD 83 coordinates where the reference
```

AA7625.frame has been affixed to the stable North American tectonic plate.
See

AA7625.[NA2011](#) for more information.

AA7625

AA7625.The horizontal coordinates are valid at the epoch date displayed
above

AA7625.which is a decimal equivalence of Year/Month/Day.

AA7625

AA7625.The orthometric height was determined by differential leveling and
AA7625.adjusted by the NATIONAL GEODETIC SURVEY

AA7625.in May 2013.

AA7625

AA7625.This Tidal Bench Mark is designated as VM 9761

AA7625.by the CENTER FOR OPERATIONAL OCEANOGRAPHIC PRODUCTS AND SERVICES.

AA7625

AA7625.Photographs are available for this station.

AA7625

AA7625.The X, Y, and Z were computed from the position and the ellipsoidal
ht.

AA7625

AA7625.The Laplace correction was computed from DEFLEC12A derived
deflections.

AA7625

AA7625.The ellipsoidal height was determined by GPS observations

AA7625.and is referenced to NAD 83.

AA7625

AA7625.The dynamic height is computed by dividing the NAVD 88

AA7625.geopotential number by the normal gravity value computed on the

AA7625.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AA7625.degrees latitude (g = 980.6199 gals.).

AA7625

AA7625.The modeled gravity was interpolated from observed gravity values.

AA7625

AA7625. The following values were computed from the NAD 83(2011) position.

AA7625

AA7625;
Converg.

		North	East	Units	Scale Factor	
AA7625;SPC FL E	-	180,358.809	127,171.852	MT	1.00000664	-0 19

AA7625;SPC FL E	-	591,727.19	417,229.65	sFT	1.00000664	-0 19
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AA7625;UTM 17	-	2,871,429.253	427,196.701	MT	0.99966544	-0 19
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AA7625

AA7625!
- Elev Factor x Scale Factor = Combined Factor

AA7625!SPC FL E - 1.00000355 x 1.00000664 = 1.00001019

AA7625!UTM 17 - 1.00000355 x 0.99966544 = 0.99966898

AA7625

AA7625 SUPERSEDED SURVEY CONTROL

AA7625

AA7625 NAD 83(2007)- 25 57 35.11914(N) 081 43 37.95039(W) AD(2002.00) 0

AA7625 ELLIP H (02/10/07) -22.543 (m) GP(2002.00)

AA7625 NAD 83(1999)- 25 57 35.11914(N) 081 43 37.95029(W) AD() A

AA7625 ELLIP H (12/09/02) -22.551 (m) GP() 4

1

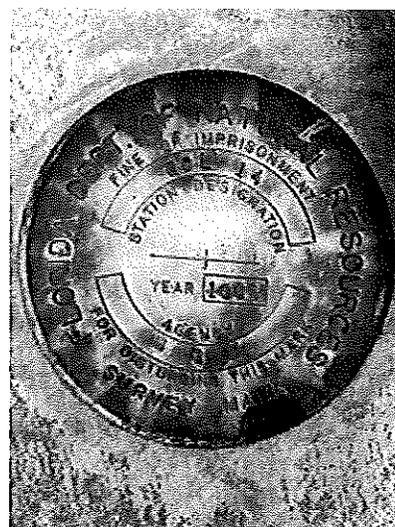
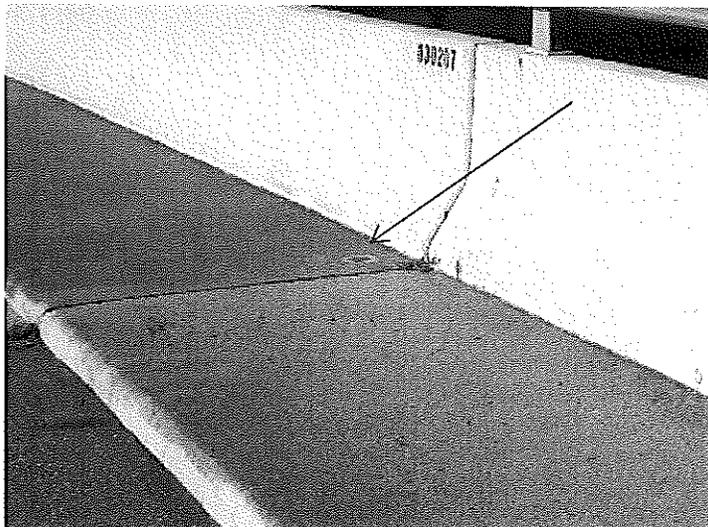
AA7625 NAVD 88 (12/09/02) 0.65 (m) 2.1 (f) LEVELING 3

AA7625' OWNERSHIP-
AA7625' COLLIER COUNTY
AA7625'
AA7625' TO REACH THE MARK FROM THE INTERSECTION OF I-75 AND COUNTY ROAD NO.
AA7625' 951 (I- 75
AA7625' EXIT 15, NEAR NAPLES) GO SOUTH ON COUNTY ROAD NO. 951 11.1 KM (6.9
MI)
AA7625' TO THE
AA7625' INTERSECTION WITH U.S. NO. 41 (TAMIAMI TRAIL) PROCEED SOUTH ON STATE
AA7625' ROAD NO.
AA7625' 951 11.2 KM (6.95 MI) TO THE CENTER OF THE MARCO PASS BRIDGE NO.
AA7625' 030148 (JUDGE
AA7625' S.S. JOLLEY BRIDGE, OVER MARCO RIVER), CONTINUE SOUTH-SOUTHWEST ALONG
AA7625' STATE
AA7625' ROAD 951 (COLLIER BLVD) 2.0 KM (1.25 MI) TO THE INTERSECTION WITH
BALD
AA7625' EAGLE
AA7625' DRIVE, TURN RIGHT AND GO NORTHWEST 0.6 KM (0.4 MI) ALONG BALD EAGLE
AA7625' DRIVE TO
AA7625' THE INTERSECTION WITH NORTH BARFIELD DRIVE ON THE RIGHT AND THE MARK
AA7625' ON THE
AA7625' LEFT.
AA7625'
AA7625' THE MARK IS SET FLUSH ON TOP OF THE NORTHEAST CORNER OF A DROP INLET,
AA7625' ABOUT
AA7625' 0.30 M (1.0 FT) BELOW THE LEVEL OF BALD EAGLE DRIVE, 12.92 M (42.4
FT)
AA7625' SOUTHWEST OF THE CENTERLINE OF BALD EAGLE DRIVE, 7.80 M (25.6 FT)
AA7625' SOUTHEAST OF
AA7625' AND EXTENDED CENTERLINE OF NORTH BARFIELD DRIVE, 0.70 M (2.3 FT)
AA7625' SOUTHWEST OF
AA7625' THE WESTERLY SIDE OF A 1.22 M (4 FT) WIDE CONCRETE SIDEWALK, 37.55 M
AA7625' (123.2 FT)
AA7625' NORTHWEST OF THE CENTER OF THE NORTHERN ASPHALT DRIVEWAY ENTRANCE
INTO
AA7625' LANAI
AA7625' PLAZA, AND 44.71 M (146.7 FT) EAST OF THE SOUTHERN ASPHALT DRIVEWAY
AA7625' EXITING
AA7625' ANGLERS PLAZA.
AA7625'
AA7625' STATION RECOVERY (2002)
AA7625'
AA7625' RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (RLT)
AA7625' RECOVERED AS DESCRIBED
AA7625'
AA7625'
AA7625'
AA7625'
AA7625'
AA7625'
AA7625' STATION RECOVERY (2002)
AA7625'
AA7625' RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CP)
AA7625' RECOVERED AS DESCRIBED

AA7625'
AA7625
AA7625 STATION RECOVERY (2008)
AA7625
AA7625'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)
AA7625'RECOVERED AS DESCRIBED.
AA7625
AA7625 STATION RECOVERY (2008)
AA7625
AA7625'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)
AA7625'RECOVERED AS DESCRIBED.
AA7625
AA7625 STATION RECOVERY (2011)
AA7625
AA7625'RECOVERY NOTE BY D CRAMER SURVEYING INC 2011 (DKC)
AA7625'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:03

PHOTOGRAPHS – COL14



The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.4

1 National Geodetic Survey, Retrieval Date = DECEMBER 6, 2013

AC3385

AC3385 DESIGNATION - COL 14

AC3385 PID - AC3385

AC3385 STATE/COUNTY- FL/COLLIER

AC3385 COUNTRY - US

AC3385 USGS QUAD - MARCO ISLAND (1995)

AC3385

AC3385 *CURRENT SURVEY CONTROL

AC3385

AC3385* NAD 83(1986) POSITION- 25 56 44.43 (N) 081 43 57.81 (W)

HD_HELD1

AC3385* NAVD 88 ORTHO HEIGHT - 1.608 (meters) 5.28 (feet)

ADJUSTED

AC3385

AC3385 GEOID HEIGHT - -23.18 (meters)

GEOID12A

AC3385 DYNAMIC HEIGHT - 1.605 (meters) 5.27 (feet) COMP

AC3385 MODELED GRAVITY - 979,037.3 (mgal) NAVD

88

AC3385

AC3385 VERT ORDER - FIRST CLASS II

AC3385

AC3385.The horizontal coordinates were determined by differentially corrected

AC3385.hand held GPS observations or other comparable positioning techniques AC3385.and have an estimated accuracy of +/- 3 meters.

AC3385.

AC3385.The orthometric height was determined by differential leveling and

AC3385.adjusted by the NATIONAL GEODETIC SURVEY

AC3385.in May 2013.

AC3385

AC3385.Photographs are available for this station.

AC3385

AC3385.The dynamic height is computed by dividing the NAVD 88

AC3385.geopotential number by the normal gravity value computed on the

AC3385.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AC3385.degrees latitude (g = 980.6199 gals.).

AC3385

AC3385.The modeled gravity was interpolated from observed gravity values.

AC3385

AC3385;

	North	East	Units	Estimated Accuracy
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AC3385;SPC FL E	- 178,802.0	126,610.6	MT	(+/- 3 meters HH1
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GPS)

AC3385

AC3385

SUPERSEDED SURVEY CONTROL

AC3385

AC3385 NAVD 88 (06/15/91) 1.609 (m) 5.28 (f) SUPERSEDED 2
 1
 AC3385 NGVD 29 (09/01/92) 2.008 (m) 6.59 (f) ADJUSTED 2
 1

AC3385

AC3385.Superseded values are not recommended for survey control.

AC3385

AC3385.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AC3385.See file dsdata.txt to determine how the superseded data were derived.

AC3385

AC3385_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMJ2663569872(NAD 83)

AC3385

AC3385_MARKER: DD = SURVEY DISK

AC3385_SETTING: 31 = SET IN A PAVEMENT SUCH AS STREET, SIDEWALK, CURB, ETC.

AC3385_SP_SET: WALKWAY

AC3385_STAMPING: COL 14 1984 BSM

AC3385_MARK LOGO: FLDNR

AC3385_MAGNETIC: N = NO MAGNETIC MATERIAL

AC3385_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

AC3385_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AC3385+SATELLITE: SATELLITE OBSERVATIONS - September 21, 2011

AC3385

AC3385	HISTORY	- Date	Condition	Report By
AC3385	HISTORY	- 1984	MONUMENTED	FLDNR
AC3385	HISTORY	- 1990	GOOD	USPSQD
AC3385	HISTORY	- 1990	GOOD	USPSQD
AC3385	HISTORY	- 19900509	GOOD	FLDNR
AC3385	HISTORY	- 20080611	GOOD	FLDEP
AC3385	HISTORY	- 20080611	GOOD	FLDEP
AC3385	HISTORY	- 20110920	GOOD	GEOCAC
AC3385	HISTORY	- 20110921	GOOD	GEOCAC
AC3385	HISTORY	- 20130403	GOOD	FL-021

AC3385

AC3385

STATION DESCRIPTION

AC3385

AC3385'DESCRIBED BY FL DEPT OF NAT RES 1984

AC3385'IN MARCO ISLAND.

AC3385'BEGIN AT THE JUNCTION OF STATE ROAD 92 WITH STATE ROAD 951 (COLLIER
 AC3385'BOULEVARD), GO 0.65 MILE NORTHERLY ON STATE ROAD 951 TO A BRIDGE OVER

AC3385'A CANAL. THE MARK IS NEAR THE NORTHWEST CORNER OF THE BRIDGE, SET IN
 AC3385'THE CONCRETE WALKWAY OVER THE BRIDGE ABUTMENT, 21.7 FEET WEST OF THE

AC3385'CENTERLINE OF STATE ROAD 951 SOUTHBOUND, 21 FEET SOUTH OF THE NORTH

AC3385'END OF THE WALKWAY, 57.5 FEET SOUTH OF THE CENTERLINE OF CENTURY

DRIVE

AC3385'AND 0.6 FOOT EAST OF THE BRIDGE RAIL.

AC3385

AC3385

STATION RECOVERY (1990)

AC3385

AC3385'RECOVERY NOTE BY US POWER SQUADRON 1990 (BH)

AC3385'RECOVERED IN GOOD CONDITION.

AC3385

AC3385

STATION RECOVERY (1990)

AC3385

AC3385'RECOVERY NOTE BY US POWER SQUADRON 1990 (HEA)

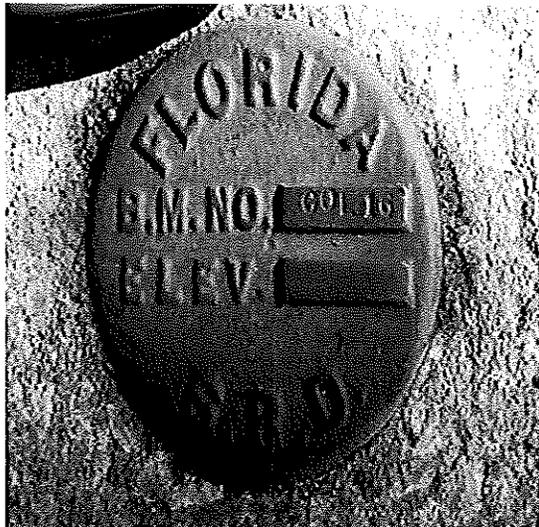
AC3385'RECOVERED IN GOOD CONDITION.

AC3385

AC3385 STATION RECOVERY (1990)
AC3385
AC3385'RECOVERY NOTE BY FL DEPT OF NAT RES 1990 (VAC)
AC3385'RECOVERED AS DESCRIBED.
AC3385
AC3385 STATION RECOVERY (2008)
AC3385
AC3385'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)
AC3385'RECOVERED AS DESCRIBED.
AC3385
AC3385 STATION RECOVERY (2008)
AC3385
AC3385'RECOVERY NOTE BY FL DEPT OF ENV PRO 2008 (JLM)
AC3385'RECOVERED AS DESCRIBED.
AC3385
AC3385 STATION RECOVERY (2011)
AC3385
AC3385'RECOVERY NOTE BY GEOCACHING 2011 (DEB)
AC3385'RECOVERED IN GOOD CONDITION.
AC3385
AC3385 STATION RECOVERY (2011)
AC3385
AC3385'RECOVERY NOTE BY GEOCACHING 2011 (DEB)
AC3385'RECOVERED IN GOOD CONDITION.
AC3385
AC3385 STATION RECOVERY (2013)
AC3385
AC3385'RECOVERY NOTE BY COLLIER COUNTY FLORIDA 2013 (MLB)
AC3385'RECOVERED IN GOOD CONDITION.

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

PHOTOGRAPHS – COL16



The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.4

1 National Geodetic Survey, Retrieval Date = DECEMBER 6, 2013

AC3383

AC3383 DESIGNATION - COL 16

AC3383 PID - AC3383

AC3383 STATE/COUNTY- FL/COLLIER

AC3383 COUNTRY - US

AC3383 USGS QUAD - MARCO ISLAND (1995)

AC3383

AC3383 *CURRENT SURVEY CONTROL

AC3383

AC3383* NAD 83(1986) POSITION- 25 57 41.40 (N) 081 42 37.83 (W)

HD_HELD1

AC3383* NAVD 88 ORTHO HEIGHT - 8.354 (meters) 27.41 (feet)

ADJUSTED

AC3383

AC3383 GEOID HEIGHT - -23.25 (meters)

GEOID12A

AC3383 DYNAMIC HEIGHT - 8.340 (meters) 27.36 (feet) COMP

AC3383 MODELED GRAVITY - 979,037.8 (mgal) NAVD

88

AC3383

AC3383 VERT ORDER - FIRST CLASS II

AC3383

AC3383.The horizontal coordinates were determined by differentially corrected

AC3383.hand held GPS observations or other comparable positioning techniques AC3383.and have an estimated accuracy of +/- 3 meters.

AC3383.

AC3383.The orthometric height was determined by differential leveling and

AC3383.adjusted by the NATIONAL GEODETIC SURVEY

AC3383.in June 1991.

AC3383

AC3383.Photographs are available for this station.

AC3383

AC3383.The dynamic height is computed by dividing the NAVD 88

AC3383.geopotential number by the normal gravity value computed on the

AC3383.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AC3383.degrees latitude (g = 980.6199 gals.).

AC3383

AC3383.The modeled gravity was interpolated from observed gravity values.

AC3383

AC3383;	North	East	Units	Estimated Accuracy
AC3383;SPC FL E -	180,542.9	128,845.4	MT	(+/- 3 meters HH1

GPS)

AC3383

AC3383

SUPERSEDED SURVEY CONTROL

AC3383

AC3383 NGVD 29 (09/01/92) 8.752 (m) 28.71 (f) ADJUSTED 2

1

AC3383

AC3383.Superseded values are not recommended for survey control.

AC3383

AC3383.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AC3383.See file dsdata.txt to determine how the superseded data were derived.

AC3383

AC3383_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMJ2886971613(NAD 83)

AC3383

AC3383_MARKER: DD = SURVEY DISK

AC3383_SETTING: 31 = SET IN A PAVEMENT SUCH AS STREET, SIDEWALK, CURB, ETC.

AC3383_SP_SET: GUARDRAIL

AC3383_STAMPING: COL 16

AC3383_MARK LOGO: FLDT

AC3383_MAGNETIC: N = NO MAGNETIC MATERIAL

AC3383_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

AC3383_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AC3383+SATELLITE: SATELLITE OBSERVATIONS - September 25, 2011

AC3383

AC3383	HISTORY	- Date	Condition	Report By
AC3383	HISTORY	- UNK	MONUMENTED	FLDT
AC3383	HISTORY	- 1984	GOOD	FLDNR
AC3383	HISTORY	- 1990	GOOD	USPSQD
AC3383	HISTORY	- 1990	GOOD	USPSQD
AC3383	HISTORY	- 20010630	GOOD	LDBLS
AC3383	HISTORY	- 20020318	GOOD	MAPTEC
AC3383	HISTORY	- 20080611	GOOD	FLDEP
AC3383	HISTORY	- 20080611	GOOD	FLDEP
AC3383	HISTORY	- 20110925	GOOD	GEOCAC
AC3383	HISTORY	- 20130416	GOOD	FL-021

AC3383

AC3383

STATION DESCRIPTION

AC3383

AC3383'DESCRIBED BY FL DEPT OF NAT RES 1984

AC3383'IN MARCO ISLAND.

AC3383'BEGIN AT THE JUNCTION OF STATE ROAD 92 WITH STATE ROAD 951 (COLLIER

AC3383'BOULEVARD), GO 2.55 MILES NORTHERLY ON STATE ROAD 951 TO THE SOUTH

END

AC3383'OF THE MARCO ISLAND BRIDGE. THE MARK IS SET IN THE TOP OF THE BRIDGE

AC3383'RAIL, AT THE SOUTHEAST CORNER, 17.2 FEET EAST-SOUTHEAST OF THE

AC3383'CENTERLINE OF THE ROAD, AND 1.3 FEET NORTH OF THE SOUTH END OF THE

AC3383'RAIL.

AC3383'THE MARK IS 3 FT ABOVE ROAD.

AC3383

AC3383

STATION RECOVERY (1990)

AC3383

AC3383'RECOVERY NOTE BY US POWER SQUADRON 1990 (HEA)

AC3383'RECOVERED IN GOOD CONDITION.

AC3383

AC3383

STATION RECOVERY (1990)

AC3383

AC3383'RECOVERY NOTE BY US POWER SQUADRON 1990 (AWS)

AC3383'RECOVERED IN GOOD CONDITION.

AC3383

AC3383

STATION RECOVERY (2001)

AC3383

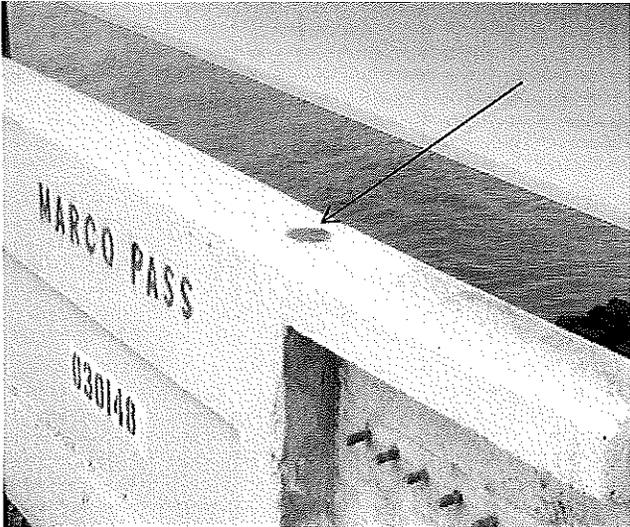
AC3383'RECOVERY NOTE BY COLLIER COUNTY FLORIDA 2013 (MLB)

AC3383'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:01

PHOTOGRAPHS – COL17



The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.4

1 National Geodetic Survey, Retrieval Date = DECEMBER 6, 2013

AC3382

AC3382 DESIGNATION - COL 17

AC3382 PID - AC3382

AC3382 STATE/COUNTY- FL/COLLIER

AC3382 COUNTRY - US

AC3382 USGS QUAD - MARCO ISLAND (1995)

AC3382

AC3382 *CURRENT SURVEY CONTROL

AC3382

AC3382* NAD 83(1986) POSITION- 25 57 56.49 (N) 081 42 31.48 (W)

HD_HELD1

AC3382* NAVD 88 ORTHO HEIGHT - 8.403 (meters) 27.57 (feet)

ADJUSTED

AC3382

AC3382 GEOID HEIGHT - -23.26 (meters)

GEOID12A

AC3382 DYNAMIC HEIGHT - 8.390 (meters) 27.53 (feet) COMP

AC3382 MODELED GRAVITY - 979,038.0 (mgal) NAVD

88

AC3382

AC3382 VERT ORDER - FIRST CLASS II

AC3382

AC3382.The horizontal coordinates were determined by differentially corrected

AC3382.hand held GPS observations or other comparable positioning techniques

AC3382.and have an estimated accuracy of +/- 3 meters.

AC3382.

AC3382.The orthometric height was determined by differential leveling and

AC3382.adjusted by the NATIONAL GEODETIC SURVEY

AC3382.in June 1991.

AC3382

AC3382.Photographs are available for this station.

AC3382

AC3382.The dynamic height is computed by dividing the NAVD 88

AC3382.geopotential number by the normal gravity value computed on the

AC3382.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AC3382.degrees latitude (g = 980.6199 gals.).

AC3382

AC3382.The modeled gravity was interpolated from observed gravity values.

AC3382

AC3382;
AC3382;SPC FL E - North East Units Estimated Accuracy

AC3382;SPC FL E - 181,006.3 129,024.6 MT (+/- 3 meters HHL GPS)

AC3382

AC3382

SUPERSEDED SURVEY CONTROL

AC3382

AC3382 NGVD 29 (09/01/92) 8.802 (m) 28.88 (f) ADJUSTED 2

1

AC3382

AC3382.Superseded values are not recommended for survey control.

AC3382

AC3382.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AC3382.See file dsdata.txt to determine how the superseded data were derived.

AC3382

AC3382_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMJ2904872076(NAD 83)

AC3382

AC3382_MARKER: DD = SURVEY DISK

AC3382_SETTING: 31 = SET IN A PAVEMENT SUCH AS STREET, SIDEWALK, CURB, ETC.

AC3382_SP_SET: GUARDRAIL

AC3382_STAMPING: COL 17 89

AC3382_MARK LOGO: FLSRD

AC3382_MAGNETIC: N = NO MAGNETIC MATERIAL

AC3382_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

AC3382_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AC3382+SATELLITE: SATELLITE OBSERVATIONS - September 25, 2011

AC3382

AC3382	HISTORY	- Date	Condition	Report By
AC3382	HISTORY	- UNK	MONUMENTED	FLDT
AC3382	HISTORY	- 1984	GOOD	FLDNR
AC3382	HISTORY	- 1990	GOOD	USPSQD
AC3382	HISTORY	- 1990	GOOD	USPSQD
AC3382	HISTORY	- 20010630	GOOD	LDBLS
AC3382	HISTORY	- 20020318	GOOD	MAPTEC
AC3382	HISTORY	- 2008	GOOD	FLDEP
AC3382	HISTORY	- 2008	GOOD	FLDEP
AC3382	HISTORY	- 20110925	GOOD	GEOCAC
AC3382	HISTORY	- 20130416	GOOD	FL-021

AC3382

AC3382

STATION DESCRIPTION

AC3382

AC3382'DESCRIBED BY FL DEPT OF NAT RES 1984

AC3382'2.85 MI NNE FROM MARCO ISLAND.

AC3382'BEGIN AT THE JUNCTION OF STATE ROAD 92 WITH STATE ROAD 951 (COLLIER

AC3382'BOULEVARD), GO 2.85 MILES NORTHERLY ON STATE ROAD 951 TO THE NORTH

END

AC3382'OF THE MARCO ISLAND BRIDGE. THE MARK IS SET IN THE TOP OF THE BRIDGE

AC3382'RAIL, AT THE NORTHWEST CORNER, 17 FEET WEST-NORTHWEST OF THE

AC3382'CENTERLINE OF THE ROAD, AND 2.5 FEET SOUTH OF THE NORTH END OF THE

AC3382'RAIL.

AC3382'THE MARK IS 3 FT ABOVE ROAD.

AC3382

AC3382

STATION RECOVERY (1990)

AC3382

AC3382'RECOVERY NOTE BY US POWER SQUADRON 1990 (HEA)

AC3382'RECOVERED IN GOOD CONDITION.

AC3382

AC3382

STATION RECOVERY (1990)

AC3382

AC3382'RECOVERY NOTE BY US POWER SQUADRON 1990 (AWS)

AC3382'RECOVERED IN GOOD CONDITION.

AC3382

AC3382

STATION RECOVERY (2001)

AC3382'RECOVERY NOTE BY COLLIER COUNTY FLORIDA 2013 (MLB)
AC3382'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:03

PHOTOGRAPHS – COL12



The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.4

1 National Geodetic Survey, Retrieval Date = DECEMBER 6, 2013

AC3388

AC3388 DESIGNATION - COL 12
 AC3388 PID - AC3388
 AC3388 STATE/COUNTY- FL/COLLIER
 AC3388 COUNTRY - US
 AC3388 USGS QUAD - MARCO ISLAND (1995)
 AC3388
 AC3388 *CURRENT SURVEY CONTROL
 AC3388

AC3388* NAD 83(1986) POSITION- 25 56 17.04 (N) 081 42 54.66 (W)
 HD HELD1
 AC3388* NAVD 88 ORTHO HEIGHT - 2.210 (meters) 7.25 (feet)
 ADJUSTED
 AC3388

AC3388 GEOID HEIGHT - -23.20 (meters)
 GEOID12A
 AC3388 DYNAMIC HEIGHT - 2.206 (meters) 7.24 (feet) COMP
 AC3388 MODELED GRAVITY - 979,036.5 (mgal) NAVD
 88

AC3388
 AC3388 VERT ORDER - SECOND CLASS I
 AC3388

AC3388.The horizontal coordinates were determined by differentially corrected
 AC3388.hand held GPS observations or other comparable positioning techniques
 AC3388.and have an estimated accuracy of +/- 3 meters.
 AC3388.

AC3388.The orthometric height was determined by differential leveling and
 AC3388.adjusted by the NATIONAL GEODETIC SURVEY
 AC3388.in June 1991.

AC3388
 AC3388.The dynamic height is computed by dividing the NAVD 88
 AC3388.geopotential number by the normal gravity value computed on the
 AC3388.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AC3388.degrees latitude (g = 980.6199 gals.).

AC3388
 AC3388.The modeled gravity was interpolated from observed gravity values.
 AC3388

AC3388;		North	East	Units	Estimated Accuracy
AC3388;SPC FL E	-	177,949.4	128,363.0	MT	(+/- 3 meters HH1

GPS)
 AC3388
 AC3388 SUPERSEDED SURVEY CONTROL
 AC3388

AC3388 NGVD 29 (09/01/92) 2.609 (m) 8.56 (f) ADJUSTED 2

AC3388
AC3388.Superseded values are not recommended for survey control.
AC3388
AC3388.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AC3388.See file dsdata.txt to determine how the superseded data were derived.

AC3388
AC3388_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMJ2838769020(NAD 83)
AC3388
AC3388_MARKER: DB = BENCH MARK DISK
AC3388_SETTING: 30 = SET IN A LIGHT STRUCTURE
AC3388_SP_SET: CONCRETE BOX DRAIN
AC3388_STAMPING: COL 12 1984 BSM
AC3388_MARK LOGO: FLDNR
AC3388_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY
AC3388_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR
AC3388+SATELLITE: SATELLITE OBSERVATIONS - September 18, 2011

AC3388
AC3388 HISTORY - Date Condition Report By
AC3388 HISTORY - 1984 MONUMENTED FLDNR
AC3388 HISTORY - 1990 POOR USPSQD
AC3388 HISTORY - 1990 GOOD USPSQD
AC3388 HISTORY - 20110918 GOOD GEOCAC
AC3388 HISTORY - 20130403 GOOD FL-021

AC3388
AC3388 STATION DESCRIPTION
AC3388

AC3388'DESCRIBED BY FL DEPT OF NAT RES 1984
AC3388'IN MARCO ISLAND.
AC3388'BEGIN AT THE JUNCTION OF STATE ROAD 92 WITH STATE ROAD 951 (COLLIER
AC3388'BOULEVARD), GO 1.05 MILES EASTERLY ON STATE ROAD 92 TO THE JUNCTION
OF

AC3388'COUNTY ROAD C 953. THE MARK IS ABOUT 300 FEET NORTHWEST OF THE ROAD
AC3388'JUNCTION, ON THE PROPERTY OF THE FIRST FLORIDA NATIONAL BANK, 6 FEET
AC3388'EAST OF THE SOUTHEAST CORNER OF THE BANK, 108 FEET SOUTHWEST OF THE
AC3388'CENTERLINE OF C 953, 9.8 FEET NORTH OF THE NORTH CURB OF THE DRIVE-IN
AC3388'TELLER WINDOW, 9.7 FEET WEST-NORTHWEST OF THE NORTHWEST CORNER OF
AC3388'ELECTRIC TRANSMITTER BOX T21831, AND IS SET AT THE SOUTHEAST CORNER
OF

AC3388'A CONCRETE BOX DRAIN WITH AN IRON GRATE.
AC3388'THE MARK IS 2 FT ABOVE ROAD.

AC3388
AC3388 STATION RECOVERY (1990)
AC3388

AC3388'RECOVERY NOTE BY US POWER SQUADRON 1990 (JCV)
AC3388'MARK RECOVERED IN POOR CONDITION.

AC3388
AC3388 STATION RECOVERY (1990)
AC3388

AC3388'RECOVERY NOTE BY US POWER SQUADRON 1990 (HEA)
AC3388'RECOVERED IN GOOD CONDITION.

AC3388
AC3388 STATION RECOVERY (2011)
AC3388

AC3388'RECOVERY NOTE BY GEOCACHING 2011 (DEB)
AC3388'THE BUILDING IN THE DESCRIPTION IS NOW CITY HALL OF MARCO ISLAND
AC3388

AC3388

STATION RECOVERY (2013)

AC3388

AC3388'RECOVERY NOTE BY COLLIER COUNTY FLORIDA 2013 (MLB)

AC3388'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:01