



**Surveyor's Report of Record Survey
Of the specific data listed below
For Structure Alligator 1**

Structure type: **Stilling Well**
Description: **Alligator 1**

Date: July 26, 2005

<p>20FT (North) Stilling Well: Reference mark: <u>Mark on the underside of the Stilling Well Lid</u> New Reference Mark El. <u>76.286'</u> (NGVD '29) (<u>Wrote -0.924' to NAVD 1988</u>). Initials: Keith & Schnars</p> <p>Date: <u>7/26/05</u> written at the mark: El. <u>76.27'</u> Date: <u>None previous</u> By: <u>None previous</u> Reference Mark location: <u>Mark on the underside of the 10' (south) Stilling Well Lid</u></p>	<p>10ft (South) Stilling Well: Reference mark: <u>Mark on the underside of the Stilling Well Lid</u> New Reference Mark El. <u>76.516'</u> (NGVD '29) (<u>Wrote -0.924' to NAVD 1988</u>). Initials: Keith & Schnars</p> <p>Date: <u>7/26/05</u> written at the mark: El. <u>76.51'</u> Date: <u>None previous</u> By: <u>None previous</u> Reference Mark location: <u>Mark on the underside of the 10' (south) Stilling Well Lid</u></p>
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Party Chief: **R. Stoddard**
Survey Date: **July 05, 2005**

Field Book: **1073, Pages 46-49,63 & 66**
Bench Mark: **“C 576” El. 70.662’**

Vertical Datum: **N.A.V.D. 1988**

Offset: + **0.924’** S.F.W.M.D. VALUE (add this value to convert to NGVD 1929)

Offset: + **0.924’** N.G.S. VALUE (add this value to convert to NGVD 1929)

N.A.V.D. 88 - North American Vertical Datum of 1988

N.G.V.D. 29 -National Geodetic Vertical Datum of 1929

NAD 83-99 (Horizontal Datum) North American Datum of 1983 with the 1999 adjustment applied.

N.G.S. - National Geodetic Survey

S.F.W.M.D. - South Florida Water Management District

G.P.S. POSITION (NAD 83-99)

Structure “Alligator 1”

Northing: 1,405,017 Feet

Easting: 577,703 Feet

Comments:

The N.G.S. benchmarks used to calculate the offset value were “C 576” which has a published N.A.V.D. 88 elevation of 70.66 feet and “D 576” which has a published NAVD elevation of 75.28 feet and S.F.W.M.D. benchmark “ALLIGATOR 2” which has a N.G.V.D. 1929 elevation of 71.77’. The offset values referred to as “S.F.W.M.D. VALUE” and “N.G.S. VALUE” were derived by subtracting the N.A.V.D. 88 elevation established at benchmark “ALLIGATOR 2” from the published NGVD 29 elevation at Benchmark “ALLIGATOR 2”. The offset value calculated by N.G.S. VERTical CONversion (VERTCON) Transformation Program Version 2.10 between N.A.V.D. 88 and N.G.V.D. 29 was -0.312meters (-1.024’) at well station ALLIGATOR 1.

Prepared by: Keith & Schnars, P.A. (L.B. 1337)
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Lakeland, Florida 33813
(863) 646-4771

Prepared for: **South Florida Water Management District**
3301 Gun Club Road
West Palm Beach, Florida 33406

For the Benefit of: **The District’s STRucture Information Verification (STRIVE) Project.**

Notes:

- 1) This survey meets all applicable requirements of the Florida Minimum Technical Standards as contained in Chapter 61G17-6 FAC.
- 2) Not valid without the signature and the original raised seal of the Florida Surveyor and Mapper in responsible Charge.
- 3) Additions or deletions to this data by anyone other than the signing party are prohibited without written consent of the signing party.

Surveyor and Mapper in Responsible Charge:
 Kenneth T. Glass
 Professional Surveyor and Mapper
 License Number 5713

Signed: _____

Seal:

SURVEYOR’S REPORT

Keith & Schnars, P.A. (the “surveyor”) operating under contract (PC P501726) to the South Florida Water Management District (the “District”) was tasked with the execution of this Specific Purpose Survey for the district's STRucture Information Verification (STRIVE) Project.. The purpose of this survey was to provide as-built data and other spatial data on this culvert structure operating under the authority of the South Florida Water Management District. THIS IS NOT A BOUNDARY SURVEY.

This stilling well, known as ALLIGATOR 1, is located in Osceola County, Florida.

Elevations at the structure were determined by a combination of differential leveling and direct and indirect measurements. Elevations are based on National Geodetic Survey Benchmarks “C 576” and “D 576” Second Order, Class 1 vertical control monuments and S.F.W.M.D. Benchmark “ALLIGATOR 2” a Third Order (no class is given) benchmark. The elevations for “C 576” and “D 576” are based on N.A.V.D. 88 (North American Vertical Datum of 1988), which were determined by differential leveling and adjusted by the National Geodetic Survey in September 2004.

Benchmark “C 576” is a Florida Department of Environmental Protection (FDEP) disk stamped “C 576 2002” set in a concrete monument and has a published elevation of 70.66’ (NAVD 1988). The mark is about 4.0 miles southeast of St. Cloud, 3.6 miles south of Ashton, in Section 30, Township 26 South, Range 31 East. To reach the mark from the junction of U.S. Highway 192, 441 (13th Street) and County Road 523 (Vermont Avenue, Canoe Creek Road) in St. Cloud, go east on U.S. Highway 192, 441 (13th Street, East Bronson Highway) for 3.0 miles to the intersection of State Road 15, turn right on State Road 15 and go south for 2.35 miles to the junction of Old Hickory Tree Road on the right, continue south on State Road 15 (Old Hickory Tree Road for 1.25 miles to the junction of Pine Tree Drive on the right and the mark on the right. “C 576” is located 78.8 feet west of the centerline of Old Hickory Tree Road, 23.0 feet south of the centerline of Pine Tree Drive, 9.8 feet west of power pole number 20340 (EC815A202) and 5.3 feet north of a hog-wire fence and a carsonite witness post. A bar magnet was imbedded in the ground on the south side of the monument.

Benchmark “D 576” is a Florida Department of Environmental Protection (FDEP) disk stamped “D 576 2002” set in a concrete monument and has a published elevation of 75.28’ (NAVD 1988). The mark is about 3.5 miles southeast of St. Cloud, 2.6 miles south of Ashton, in Section 20, Township 26 South, Range 31 East. To reach the mark from the junction of U.S. Highway 192, 441 (13th Street) and County Road 523 (Vermont Avenue, Canoe Creek Road) in St. Cloud, go east on U.S. Highway 192, 441 (13th Street, East Bronson Highway) for

3.0 miles to the intersection of State Road 15, turn right on State Road 15 and go south for 2.35 miles to the junction of Old Hickory Tree Road on the right, continue south on State Road 15 (Old Hickory Tree Road for 0.25 miles to the junction of Alligator Lake Road on the left and the mark on the left, set in the top of a round concrete monument flush with the ground and 2.0 ft below the level of old hickory tree road. "D 576" is located 81.5 feet south of the centerline of Alligator Lake Road, 51.5 feet south of power pole number 20085, 28.1 ft east of the centerline of Old Hickory Tree Road, 2.5 ft west of a barbwire fence and 1.5 ft west of a carsonite witness post. A bar magnet was imbedded in the ground on the south side of the monument.

Benchmark "ALLIGATOR 2" is a SFWMD aluminum disk stamped "ALLIGATOR #2 1998 BM", and has a published NGVD 29 elevation of 71.770'. The benchmark is set in a 8ft x 3.5 ft concrete slab, between the 24" and 30" corrugated metal pipes housings around the two wells on a concrete slab. The benchmark is located from the intersection of Hickory Tree Road (County Road 534), and Mabel Simmons Road, go east on Mabel Simmons Road for 0.1 mile to West Shore Drive and station location. The station is located 13 feet north of the centerline of Mabel Simmons Drive, and 94 feet west of the centerline of West Shore Drive.

All level runs meet or exceed the formula of the Square Root in miles of the level run multiplied by 0.03'.

ALLIGATOR 1



Keith and Schnars, P.A.

7/26/05

THE 10FT WELL IS ON THE LEFT & 20FT WELL ON THE RIGHT

ALLIGATOR 1

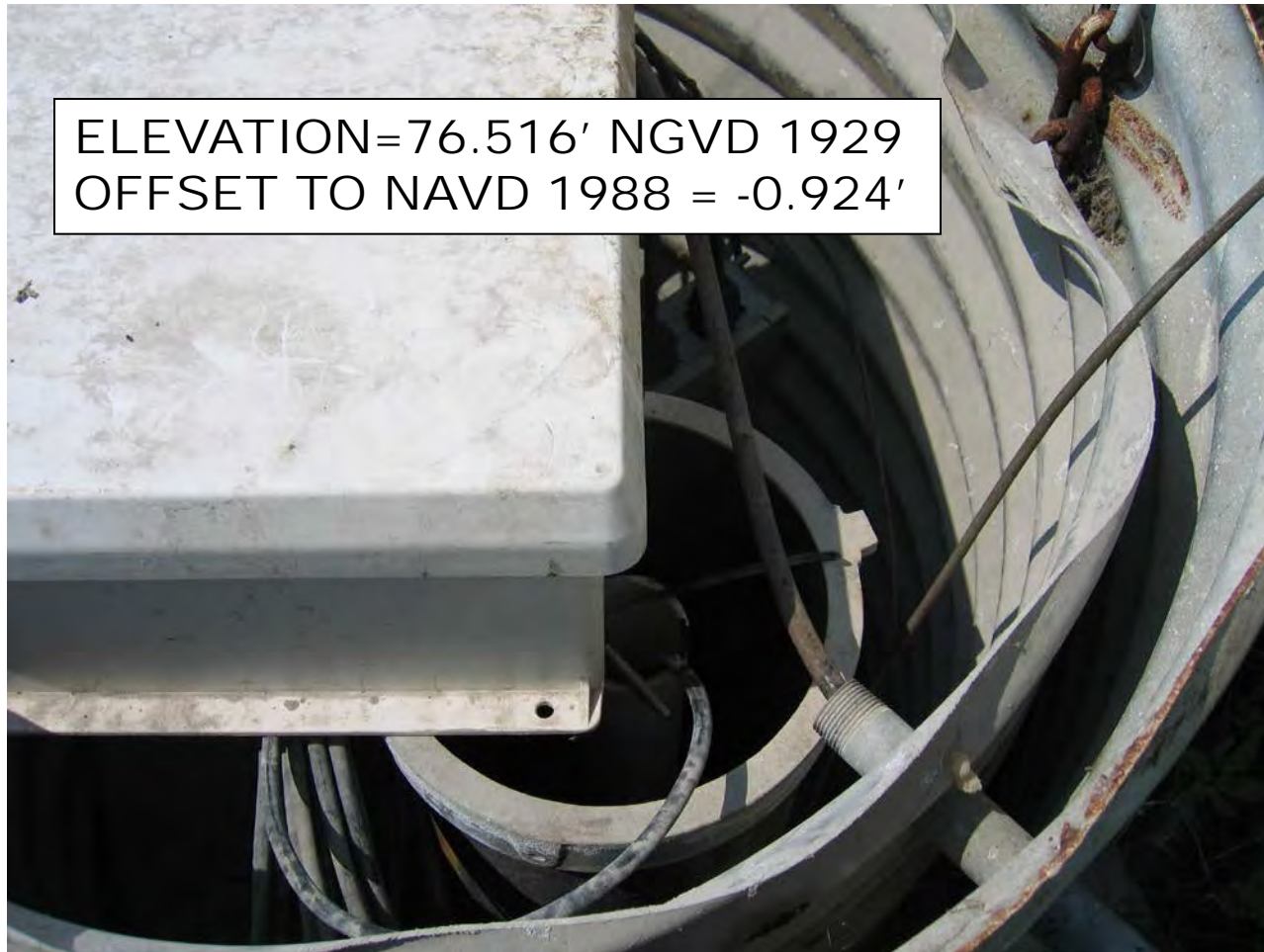


Keith and Schnars, P.A.

7/26/05

10FT STILLING WELL

ALLIGATOR 1



Keith and Schnars, P.A.

7/26/05

10FT STILLING WELL PIPE

ALLIGATOR 1

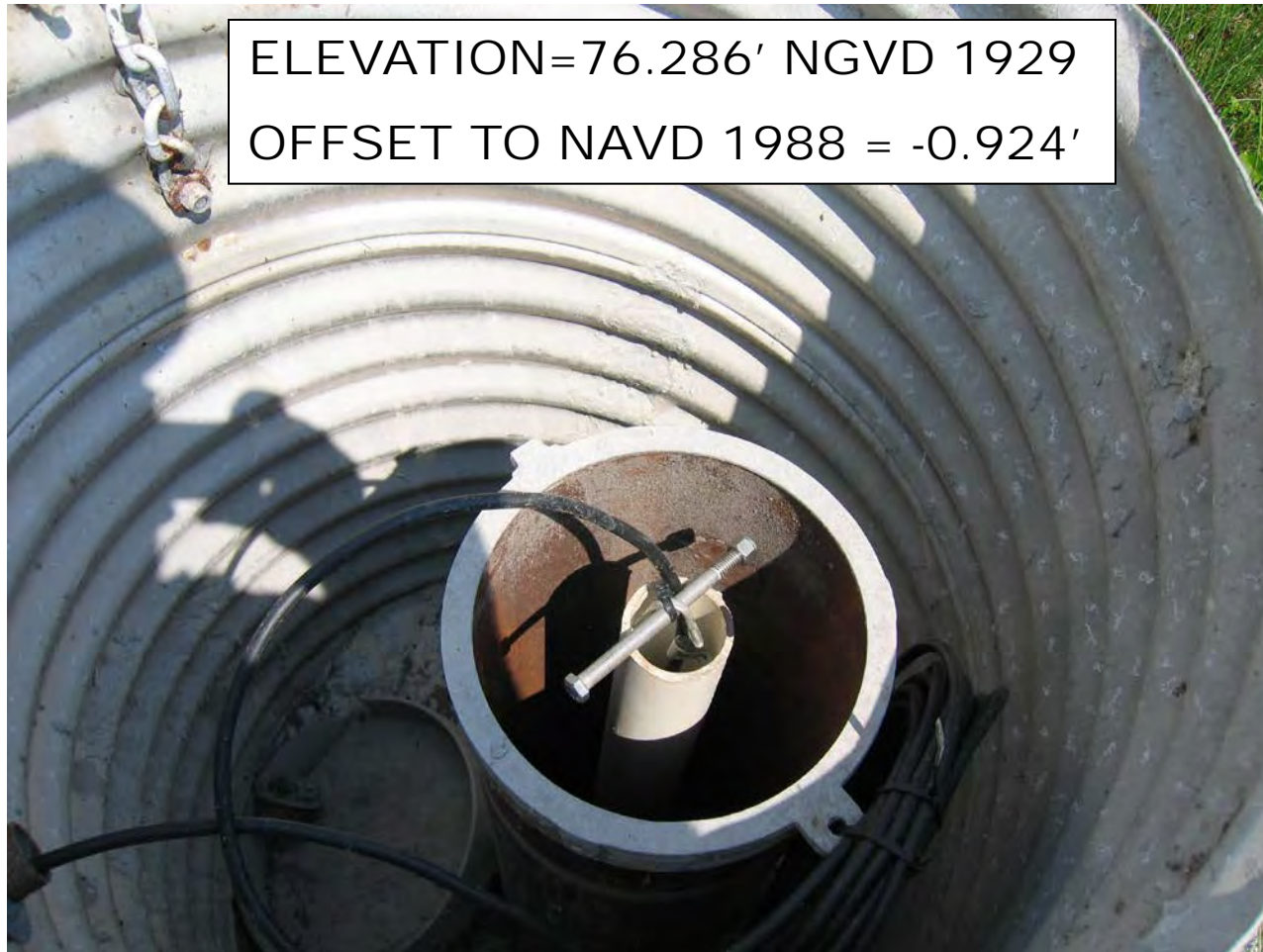


Keith and Schnars, P.A.

7/26/05

20FT STILLING WELL

ALLIGATOR 1



Keith and Schnars, P.A.

7/26/05

20FT STILLING WELL PIPE

16434.06
6/22/2005
SAME CREW

BM	Bs	MEAN	HI	FS	MEAN	ELEV.	ADJ. ELEV	REMARKS	
C576	5.81 4.887 <u>3.94</u> 14.63	4.877	75.539				70.662 (88)	END CONX. MONUMENT AT INTERSECTION OF HICKORY TREE RD AND PINE TREE DR. 5.3' N OF HOGWIRE FENCE ELEV = 70.662	
TBM 1	6.27 5.27 <u>4.27</u> 15.81	5.27	76.793	4.95 4.02 <u>3.08</u> 12.05	4.017	71.522	71.522 (88)	SET PK NAIL IN EAST EP HICKORY TREE RD	374' 501
TBM 2	6.23 5.23 <u>4.23</u> 15.69	5.23	77.762	5.26 4.26 <u>3.26</u> 12.78	4.26	72.532	72.531 (88)	" "	774 - 0.001 0.002
TBM 3	5.19 4.27 <u>3.35</u> 12.81	4.27	77.979	5.06 4.05 <u>3.05</u> 12.16	4.053	73.709	73.708 (88)	SET PK NAIL IN SOUTH EP MABEL SIMMONS RD	1175 - 0.001 0.004
TBM 4	4.59 3.59 <u>2.59</u> 10.77	3.59	76.769	5.72 4.80 <u>3.88</u> 14.40	4.80	73.179	73.177 (88)	" "	1543 - 0.002 0.005

16434.06
6/22/2005
SAME CREW

B.M.	BS	MEAN	HI	FS	MEAN
TBM 5	4.73 3.73 <u>2.73</u> 11.19	3.73	75.329	6.17 5.17 4.17 15.51	5.17
TBM 6	6.41 5.41 <u>4.42</u> 16.24	5.413	75.505	6.24 5.24 4.23 15.71	5.237
TBM 7	6.43 5.43 <u>4.43</u> 16.29	5.43	76.962	4.97 3.97 2.98 11.92	3.973
TBM 8	6.08 5.18 <u>4.28</u> 15.54	5.18	77.922	5.22 4.22 3.22 12.66	4.22
TBM 9	5.62 4.62 <u>3.62</u> 13.86	4.62	79.552	3.89 2.99 2.09 8.97	2.99

ELEV.	ADD. ELEV.	REMARKS	
71.599	71.597 (BB)	SET PK NAIL IN SOUTH EP MABLE SIMMONS RD.	19.13 - 0.002 0.006
70.092	70.089 (BB)	SET 5/8 IRC - REF CAP IN NORTH TOP OF DITCH LINE MABLE SIMMONS RD. 0.7' N OF EP	23.44 - 0.008 0.007
71.532	71.529 (BB)	SET PK NAIL IN NORTH EP MABLE SIMMONS RD.	27.42 - 0.003 0.009
72.742	72.738 (BB)	SET 5/8 IRC - REF CAP IN NORTH TOP OF DITCH LINE MABLE SIMMONS RD 5' 1/2' N OF EP	31.42 - 0.004 0.010
74.932	74.928 (BB)	SET PK NAIL IN EAST EP HICKORY TREE RD.	35.22 - 0.004 0.011

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SAME CREW

BM	BS	MEAN	HI	FS	MEAN
TBM 10	5.07 4.07 <u>3.07</u> 12.21	4.07	79.399	5.22 4.22 <u>3.23</u> 12.67	4.223
TBM 11	4.33 3.25 <u>2.17</u> 9.75	3.25	77.639	6.01 5.01 <u>4.01</u> 15.03	5.01
TBM 12	5.45 4.45 <u>3.45</u> 13.35	4.45	77.426	5.75 4.66 <u>3.58</u> 13.99	4.663
TBM 13	5.73 4.73 <u>3.73</u> 14.19	4.73	77.553	5.61 4.60 <u>3.60</u> 13.81	4.603
TBM 14	6.06 5.06 <u>4.06</u> 15.18	5.06	78.400	5.22 4.21 <u>3.21</u> 12.64	4.213

ELEV	ADJ. ELEV.	REMARKS	
75.329	75.324 (BB)	SET PK NAIL IN EAST EP HICKORY TREE RD.	3901 - 0.005 0.012
74.389	74.384 (BB)	"	4301 - 0.005 0.014
72.976	72.970 (BB)	SET 5/8 IRC-REF CAP IN EAST TOP OF DITCH LINE HICKORY TREE RD. 3.5' +/- E OF EP	4734 - 0.006 0.015
72.823	72.817 (BB)	SET PK NAIL IN EAST EP HICKORY TREE RD	5135 - 0.006 0.016
73.340	73.333 (BB)	"	5536 - 0.007 0.018

16434.06

6/22/2005

SAME CREW

3 WIRE BENCH RUN

10+5/47

TBM	BS	MEAN	HI	FS	MEAN	ELEV.	ADJ. ELEV	REMARKS	
TBM 15	6.20 5.20 (201) 4.19 (201) 15.59	5.197	79.917	4.69 3.68 (201) 2.68 (201) 11.05	3.68	74.720'	74.713 (BB)	SET PK NAIL IN EAST EP HICKORY TREE RD.	5937 - 0.007 0.019
TBM 16	5.74 4.75 (199) 3.75 (199) 14.24	4.747	80.818	4.85 3.85 (201) 2.84 (201) 11.54	3.846	76.071	76.063 (BB)	"	6339 - 0.008 0.020
TBM 17	5.89 4.69 (241) 3.48 (241) 14.06	4.687	81.318	5.18 4.19 (199) 3.19 (199) 12.56	4.187	76.631	76.623 (BB)	"	6737 - 0.008 0.021
D576				7.23 6.03 (241) 4.82 (241) 18.08	6.027	75.291	75.282 (BB)	FND CONC. MONUMENT AT INTERSECTION OF ALLIGATOR LAKE RD. AND HICKORY TREE RD. 81.5 S OF E ALLIGATOR LAKE RD. ELEV 75.282 (BB)	7219 - 0.009 0.023

$7219 - 5280 = \sqrt{1.367} = \times 0.03 = \text{ALLOWABLE } 0.035$
 $0.009 \div 7219 = 0.000001247 \text{ PER FOOT (BB)}$
 $0.023 \div 7219 = 0.000003186 \text{ PER FOOT (29)}$

16434.06
SAME CREW

WELL SIGHTS

ALLIGATOR 2

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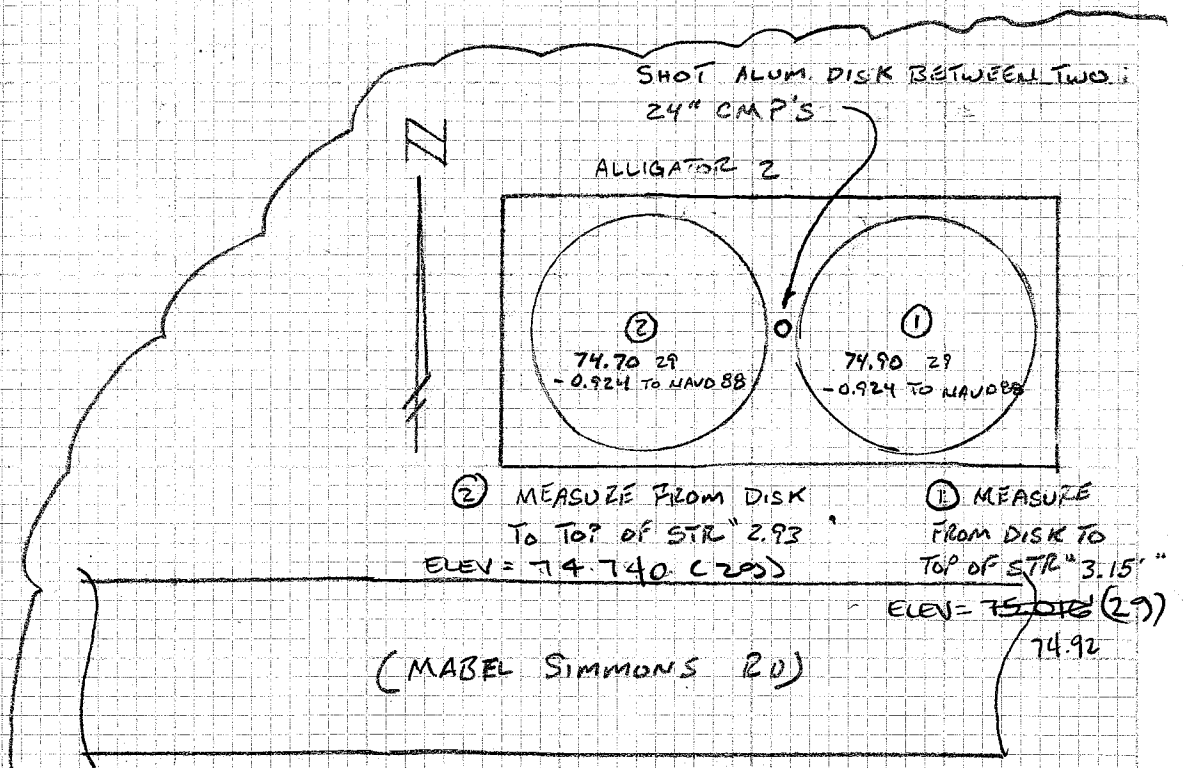
B.M.	BS	MEAN	HI	FS	MEAN
TBM 6	6.10 5.58' <u>5.07'</u> 16.75	5.583	75.672 76.682		

ELEV.	ADJ ELEV	REMARKS
	70.089 (BB)	(SEE PG 47)

ALLIGATOR 2	6.15' 4.68' <u>3.21'</u> 14.01	4.68	75.526 76.546	5.32' 4.82 <u>4.34</u> 14.48	4.820	70.846 71.866	71.770(29) 70.846 (BB)	SEWARD ALUM DISK STAMPED ALLIGATOR 2 B.M. 1998 71.77 NVGD 70.846 NAVD OFFSET = -0.924 TO BB
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TBM 5				5.46' 3.93' <u>2.40'</u> 11.79	3.93'		71.596 72.616	71.597(BB)	(SEE PG 47)
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71.77 29
70.846 BB 0.924



16434.06
SAME CREW

WELL SIGHT

BM	BS	MEAN	HI	FS	MEAN
TBM 8	5.12'	4.643'	77.381	4.57'	4.12'
	4.64'		78.399		
	4.17'				
	<u>13.93</u>				
ALLIGATOR 1	4.53'	4.083'	77.334	4.57'	4.12'
	4.08'		78.352	4.13'	
	3.64'			3.68'	
	<u>12.25</u>			<u>12.39</u>	
TBM 4			4.64	4.16	
			4.16		
			3.68'		
			<u>12.48</u>		

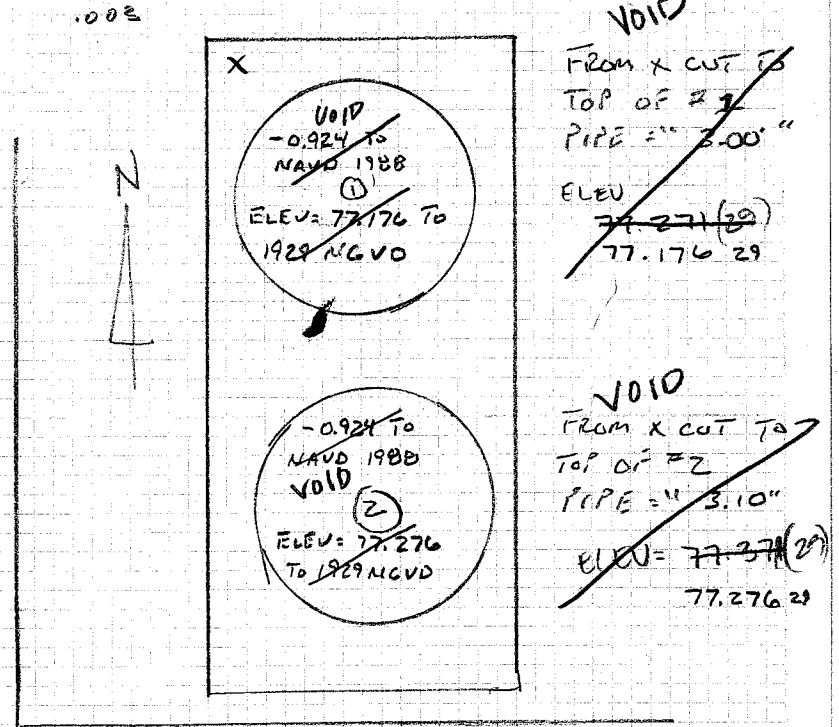
VOID: INFO WAS TO STILLING WELL
LID COVER NOT TO THE WELL PIPE
SEE PAGE 06
KTG

ALLIGATOR 1

1073/63

ELEV	ADJ ELEV.	REMARKS
	72.738 (88)	(SEE PG 47)
	72.756 (29)	
73.251	73.252 (88)	X CUT IN NORTH WEST COR OF PAD ELEV = 74.176 1929 NGVD FROM TIE TO ALLIGATOR 2 OFFSET TO NGVD 29 IS +0.924 (SEE PG 46)
74.269	74.271 (29)	
	74.176 (29)	
73.174	73.177 (88)	
74.192	74.190 (29)	

HICKORY TREE RD



MABEL SIMMONS RD

VOID
From X CUT TO
TOP OF 29
PIPE = " 3.00"
ELEV
~~77.271 (29)~~
77.176 29

VOID
From X CUT TO
TOP OF 29
PIPE = " 3.10"
ELEV = ~~77.271 (29)~~
77.276 29

CONT FROM LAST PG

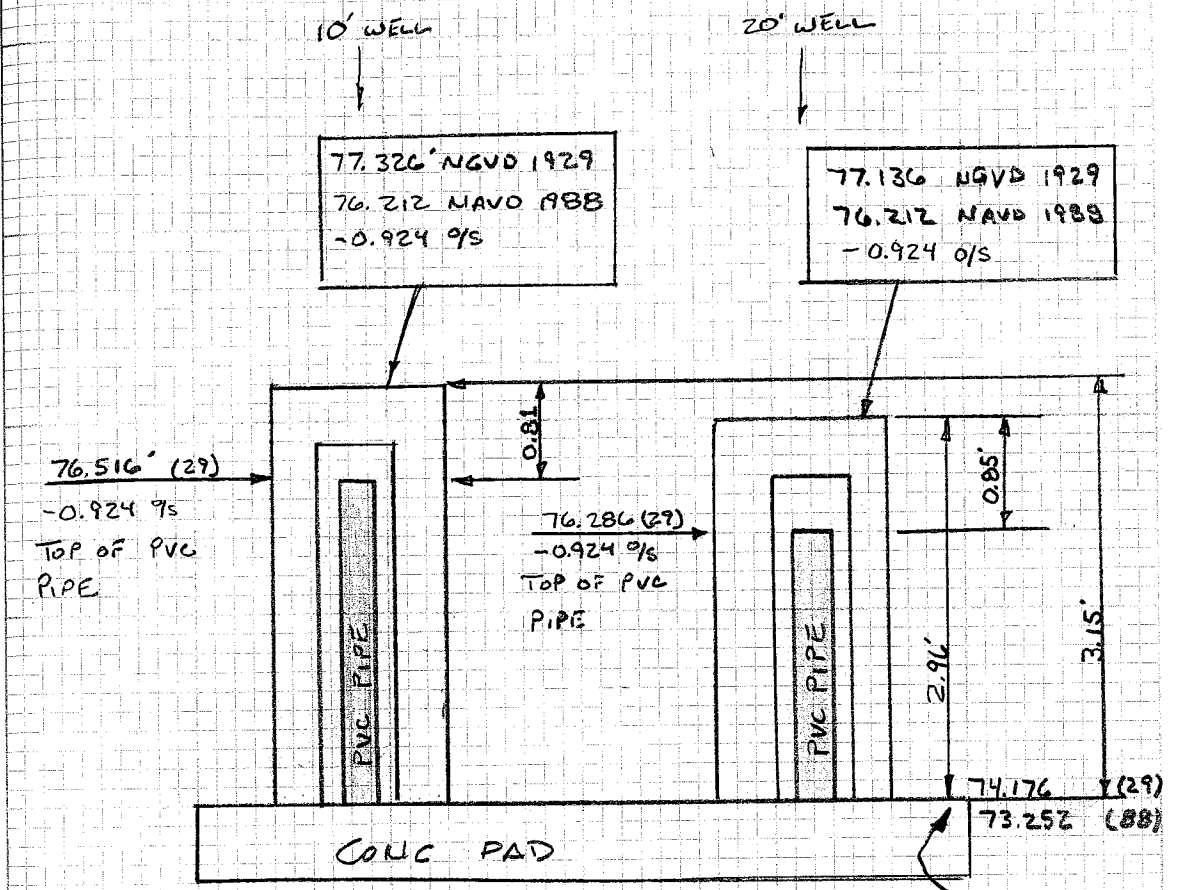
10' WELL IN THE FIELD FROM BM TO TOP OF PVC PIPE MEASURED 2.34' 74.176
+ 2.340'

ELEV: 76.516 @ TOP OF PVC PIPE 1929 NGVD
-0.924 9/5

20' WELL IN THE FIELD FROM BM TO TOP OF PVC PIPE MEASURED 2.110' 74.176
+ 2.110

ELEV: 76.286 @ TOP OF PVC PIPE 1929 NGVD
-0.924 9/5

LOCK 6745



X-CUT ON CONC PAD
SEE PAGE 1073/63

Identification Information:

Citation:

Kenneth T. Glass
Keith & Schnars

Citation Information:

Originator: **Kenneth T. Glass, P. S. M.**
Publication Date: 20050719
Publication Time: Unknown
Title: S. F. W. M. D. Stilling Well Alligator 1
Edition: 1
Publication Information:
Publication Place: Not Published
Publisher: None
Online Linkage: kglass@keithandschnars.com

Description:

Abstract:
South Florida Water Management District
Stilling Well Alligator 1
Purpose:
To establish reference elevations in NAVD 1988 and
NGVD 1929 datum at the Stilling Wells.

Time_Period_of_Content:

Time_Period Information:
Single Date/Time:
Calendar Date: 20050719
Currentness Reference: Publication Date

Status:

Progress: Complete
Maintenance and Update Frequency: Unknown

Spatial Domain:

Bounding Coordinates:
West Bounding Coordinate: 81°14' 26.96"
East Bounding Coordinate: 81°14' 26.96"
North Bounding Coordinate: 28°11' 55.26"
South Bounding Coordinate: 28°11' 55.26"

Keywords:

Theme:
Theme Keyword Thesaurus: None
Theme Keyword: Record Survey
Theme Keyword: Spillway
Place:
Place Keyword Thesaurus: None
Place Keyword: S. F. W. M. D. STILLING WELL ALLIGATOR 1
Place Keyword: SEC. 29 - T26S - R31E
Place Keyword: Osceola County, Florida

Access Constraints:

Combination is needed to open the stilling wells (combination is 6745)

6745)

Use Constraints: Combination is needed to open the stilling wells (combination is

Point of Contact:

Contact Information:

Howard J. Ehmke II
District Contact

Contact Person Primary:
Contact Person: **Howard J. Ehmke**
Contact Organization: South Florida Water Management

District

Contact Position: P. S. M. Construction and Land Management

Department

Contact Address:

Address Type: mailing and physical address
Address: 8894 Belvedere Road
City: West Palm Beach
State or Province: Florida
Postal Code: 33411
Country: USA
Contact Voice Telephone: (561) 753-2400 ext 4636
Contact Electronic Mail Address: hehmke@sfwmd.gov
Hours of Service: 8:00 am to 5:00 pm EST

Data Quality Information:

Attribute Accuracy:

Attribute Accuracy Report:
This survey was prepared using a hand held GPS and a
level. The horizontal location of the benchmark was

ALL-1.met

determined by using a hand held GPS. The vertical data was collected using a Leica N2 Level. Coordinates are based on the Florida State Plane Coordinate System, East Zone, NAD 83/99. Elevations are based on NAVD 1988 and NGVD 1929.

Logical Consistency Report:

Vertical data was established using NGS/SFWMD benchmarks "C 576" "D 576" AND "ALLIGATOR 2"

Completeness Report:

All-1 Well Report Horizontal location was taken at the center of the of the stilling wells

Lat. 28-11-55.26

Long. -81-14-26.96

N. 1405017 ft.

E. 577704 ft. (Florida East, NAD 1983)

X

Alligator 1 - 10FT Well

X

75.592' (NAVD 88)

76.516' (NGVD 29) Calculated from the published elevations of NGS

Benchmarks "C 576"

"D 576" AND "ALLIGATOR 2"

X

Alligator 1 - 20FT Well

X

75.362' (NAVD 88)

76.286' (NGVD 29) Calculated from the published elevations of NGS

Benchmarks "C 576"

"D 576" AND "ALLIGATOR 2"

X

ALLIGATOR 1 SITE BENCHMARKS LOCATIONS

X

A X-mark on the North West corner of the concrete slab supporting the stilling wells. The well site is approximately 4 miles south of U.S.

441/192

on SR15 (Hickory Tree Road) in the Northeast corner of the intersection SR 15 (Hickory Tree Road) and Mabel Simmons Road.

X

Reference Benchmark elevations.

73.252' (NAVD 88)

74.176' (NGVD 29) Calculated from the published elevations of NGS

Benchmarks "C 576"

"D 576" AND "ALLIGATOR 2"

Positional Accuracy:

Horizontal Positional Accuracy:

Horizontal Positional Accuracy Report:

The horizontal position of the benchmark was established using a hand held GPS.

Quantitative Horizontal Positional Accuracy Assessment:

Horizontal Positional Accuracy Value: 3m +/-

Horizontal Positional Accuracy Explanation: The intended positional accuracy for this survey is 3m +/-

Vertical Positional Accuracy:

Vertical Positional Accuracy Report:

A level loop was run from NGS Benchmarks "C 576" through and back to "D 576".

All level runs meet or exceed the formula of the Square root in miles of the level run multiplied by 0.03ft.

Quantitative Vertical Positional Accuracy Assessment:

Vertical Positional Accuracy Value: 0.006ft. NAVD88

Vertical Positional Accuracy Explanation: Better than

0.03ft. x sq. root of miles of the level loop.

Quantitative Vertical Positional Accuracy Assessment:

Vertical Positional Accuracy Value: 0.006ft. NGVD 29

Vertical Positional Accuracy Explanation: Better than

0.03ft. x the sq. root of miles of the level loop.

Lineage:

Process Step:

Process Description:

The horizontal work was performed using a hand held GPS

ALL-1.met

unit.

Differential leveling was performed using a Leica NA2

Process_Date: 20050719

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 28°11'55"

Longitude_Resolution: 81°14'27"

Geographic_Coordinate_Units: Degrees, minutes, and decimal seconds

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Keith and Schnars

Contact_Person: Ken Glass

Contact_Position: Director of Surveying

Contact_Address:

Address_Type: mailing and physical address

Address: 2525 Dranefield Road

City: Lakeland

State_or_Province: Florida

Postal_Code: 33811

Country: Polk

Contact_Voice_Telephone: 863 646-4771

Contact_Facsimile_Telephone: 863 646-3378

Contact_Electronic_Mail_Address: kglass@keithandschnars.com

Hours_of_Service: 8:00-5:00 est.

Distribution_Liability: None

Metadata_Reference_Information:

Metadata_Date: 20050719

Metadata_Revision_Date: 20050719

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Kenneth T. Glass, P. S. M.

Contact_Organization: Keith and Schnars

Contact_Position: Director of Surveying

Contact_Address:

Address_Type: mailing and physical address

Address: 2525 Dranefield Road

City: Lakeland

State_or_Province: FL

Postal_Code: 33811

Country: USA

Contact_Voice_Telephone: (863)646-4771

Contact_Facsimile_Telephone: (863)646-3378

Contact_Electronic_Mail_Address: kglass@keithandschnars.com

Hours_of_Service: 8:00 am to 5:00 pm EST

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: 19940608

The NGS Data Sheet

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

```

DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.16
1 National Geodetic Survey, Retrieval Date = APRIL 21, 2005
DG6241 *****
DG6241 DESIGNATION - C 576
DG6241 PID - DG6241
DG6241 STATE/COUNTY- FL/OSCEOLA
DG6241 USGS QUAD - ASHTON (1981)
DG6241
DG6241 *CURRENT SURVEY CONTROL
DG6241
DG6241 * NAD 83(1986)- 28 11 40. (N) 081 14 38. (W) SCALED
DG6241 * NAVD 88 - 21.538 (meters) 70.66 (feet) ADJUSTED
DG6241
DG6241 GEOID HEIGHT- -27.92 (meters) GEOID03
DG6241 DYNAMIC HT - 21.506 (meters) 70.56 (feet) COMP
DG6241 MODELED GRAV- 979,155.5 (mgal) NAVD 88
DG6241
DG6241 VERT ORDER - SECOND CLASS I
DG6241
DG6241.The horizontal coordinates were scaled from a topographic map and have
DG6241.an estimated accuracy of +/- 6 seconds.
DG6241
DG6241.The orthometric height was determined by differential leveling
DG6241.and adjusted by the National Geodetic Survey in September 2004.
DG6241
DG6241.The geoid height was determined by GEOID03.
DG6241
DG6241.The dynamic height is computed by dividing the NAVD 88
DG6241.geopotential number by the normal gravity value computed on the
DG6241.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DG6241.degrees latitude (g = 980.6199 gals.).
DG6241
DG6241.The modeled gravity was interpolated from observed gravity values.
DG6241
DG6241; North East Units Estimated Accuracy
DG6241;SPC FL E - 427,780. 176,060. MT (+/- 180 meters Scaled)
DG6241
DG6241 SUPERSEDED SURVEY CONTROL
DG6241 No superseded survey control is available for this station.
DG6241
DG6241 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM760187(NAD 83)
DG6241_MARKER: DD = SURVEY DISK
DG6241_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
DG6241_STAMPING: C 576 2002
DG6241_MARK LOGO: FLDEP
DG6241_PROJECTION: FLUSH
DG6241_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
DG6241_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
DG6241+STABILITY: SURFACE MOTION
DG6241_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DG6241+SATELLITE: SATELLITE OBSERVATIONS - November 24, 2002
DG6241
DG6241 HISTORY - Date Condition Report By
DG6241 HISTORY - 20021024 MONUMENTED FLDEP
DG6241 HISTORY - 20021124 GOOD FLDEP
DG6241
DG6241 STATION DESCRIPTION
DG6241 DESCRIBED BY FL DEPT OF ENV PRO 2002 (JLM)
DG6241 THE MARK IS ABOUT 4.0 MI SOUTHEAST OF ST. CLOUD, 3.6 MI SOUTH OF
DG6241 ASHTON, IN SECTION 30, TOWNSHIP 26 SOUTH, RANGE 31 EAST.
DG6241
DG6241 TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 192, 441 (13TH
DG6241 STREET) AND COUNTY ROAD 523 (VERMONT AVENUE, CANOE CREEK ROAD) IN ST.
DG6241 CLOUD, GO EAST ON U.S. HIGHWAY 192, 441 (13TH STREET, EAST BRONSON
DG6241 HIGHWAY) FOR 3.0 MI TO THE INTERSECTION OF STATE ROAD 15, TURN RIGHT
DG6241 ON STATE ROAD 15 AND GO SOUTH FOR 2.35 MI TO THE JUNCTION OF OLD
DG6241 HICKORY TREE ROAD ON THE RIGHT, CONTINUE SOUTH ON STATE ROAD 15 (OLD

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DATASHEETS

DG6241'HICKORY TREE ROAD FOR 1.25 MI TO THE JUNCTION OF PINE TREE DRIVE ON
DG6241'THE RIGHT AND THE MARK ON THE RIGHT, SET IN THE TOP OF A ROUND
DG6241'CONCRETE MONUMENT FLUSH WITH THE GROUND AND LEVEL WITH PINE TREE
DG6241'DRIVE.
DG6241'
DG6241'LOCATED 78.8 FT WEST OF THE CENTERLINE OF OLD HICKORY TREE ROAD, 23.0
DG6241'FT SOUTH OF THE CENTERLINE OF PINE TREE DRIVE, 9.8 FT WEST OF POWER
DG6241'POLE NUMBER 20340 (EC815A202) AND 5.3 FT NORTH OF A HOGWIRE FENCE AND
DG6241'A CARSONITE WITNESS POST. NOTE A BAR MAGNET WAS IMBEDDED IN THE
DG6241'GROUND ON THE SOUTH SIDE OF THE MONUMENT.

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

The NGS Data Sheet

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

```

DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.16
1 National Geodetic Survey, Retrieval Date = APRIL 21, 2005
DG6254 *****
DG6254 DESIGNATION - D 576
DG6254 PID - DG6254
DG6254 STATE/COUNTY- FL/OSCEOLA
DG6254 USGS QUAD - ASHTON (1981)
DG6254
DG6254 *CURRENT SURVEY CONTROL
DG6254
DG6254 * NAD 83(1986)- 28 12 33. (N) 081 14 37. (W) SCALED
DG6254 * NAVD 88 - 22.946 (meters) 75.28 (feet) ADJUSTED
DG6254
DG6254 GEOID HEIGHT- -27.94 (meters) GEOID03
DG6254 DYNAMIC HT - 22.912 (meters) 75.17 (feet) COMP
DG6254 MODELED GRAV- 979,156.3 (mgal) NAVD 88
DG6254
DG6254 VERT ORDER - SECOND CLASS I
DG6254
DG6254 The horizontal coordinates were scaled from a topographic map and have
DG6254 an estimated accuracy of +/- 6 seconds.
DG6254
DG6254 The orthometric height was determined by differential leveling
DG6254 and adjusted by the National Geodetic Survey in September 2004.
DG6254
DG6254 The geoid height was determined by GEOID03.
DG6254
DG6254 The dynamic height is computed by dividing the NAVD 88
DG6254 geopotential number by the normal gravity value computed on the
DG6254 Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DG6254 degrees latitude (g = 980.6199 gals.).
DG6254
DG6254 The modeled gravity was interpolated from observed gravity values.
DG6254
DG6254;
DG6254; SPC FL E - North East Units Estimated Accuracy
DG6254; 429,410. 176,090. MT (+/- 180 meters Scaled)
DG6254
DG6254 SUPERSEDED SURVEY CONTROL
DG6254
DG6254 No superseded survey control is available for this station.
DG6254
DG6254 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM760203(NAD 83)
DG6254 MARKER: DD = SURVEY DISK
DG6254 SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
DG6254 STAMPING: D 576 2002
DG6254 MARK LOGO: FLDEP
DG6254 PROJECTION: FLUSH
DG6254 MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
DG6254 STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
DG6254+STABILITY: SURFACE MOTION
DG6254 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DG6254+SATELLITE: SATELLITE OBSERVATIONS - November 24, 2002
DG6254
DG6254 HISTORY - Date Condition Report By
DG6254 HISTORY - 20021024 MONUMENTED FLDEP
DG6254 HISTORY - 20021124 GOOD FLDEP
DG6254
DG6254 STATION DESCRIPTION
DG6254
DG6254 DESCRIBED BY FL DEPT OF ENV PRO 2002 (JLM)
DG6254 THE MARK IS ABOUT 3.5 MI SOUTHEAST OF ST. CLOUD, 2.6 MI SOUTH OF
DG6254 ASHTON, IN SECTION 20, TOWNSHIP 26 SOUTH, RANGE 31 EAST.
DG6254
DG6254 TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 192, 441 (13TH
DG6254 STREET) AND COUNTY ROAD 523 (VERMONT AVENUE, CANOE CREEK ROAD) IN ST.
DG6254 CLOUD, GO EAST ON U.S. HIGHWAY 192, 441 (13TH STREET, EAST BRONSON
DG6254 HIGHWAY) FOR 3.0 MI TO THE INTERSECTION OF STATE ROAD 15, TURN RIGHT
DG6254 ON STATE ROAD 15 AND GO SOUTH FOR 2.35 MI TO THE JUNCTION OF OLD
DG6254 HICKORY TREE ROAD ON THE RIGHT, CONTINUE SOUTH ON STATE ROAD 15 (OLD

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DATASHEETS

DG6254'HICKORY TREE ROAD FOR 0.25 MI TO THE JUNCTION OF ALLIGATOR LAKE ROAD
DG6254'ON THE LEFT AND THE MARK ON THE LEFT, SET IN THE TOP OF A ROUND
DG6254'CONCRETE MONUMENT FLUSH WITH THE GROUND AND 2.0 FT BELOW THE LEVEL OF
DG6254'OLD HICKORY TREE ROAD.
DG6254'
DG6254'LOCATED 81.5 FT SOUTH OF THE CENTERLINE OF ALLIGATOR LAKE ROAD, 51.5
DG6254'FT SOUTH OF POWER POLE NUMBER 20085, 28.1 FT EAST OF THE CENTERLINE
DG6254'OF OLD HICKORY TREE ROAD, 2.5 FT WEST OF A BARBWIRE FENCE AND 1.5 FT
DG6254'WEST OF A CARSONITE WITNESS POST. NOTE A BAR MAGNET WAS IMBEDDED IN
DG6254'THE GROUND ON THE SOUTH SIDE OF THE MONUMENT.

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



South Florida Water Management District Benchmark Database

Report run on: July 20, 2005 8:15 AM

Designation: ALLIGATOR#2	Latitude: 281155.000	Scaled values only
County: OSCEOLA	Longitude: 811436.000	
USGS Quad: ASHTON	Monument By: SFWMD	
Project: ALL1 WELL SITE	Year: 1998	
Sec: 29 Twp: 26 Rge: 31	Type: V	
Status:	Stamping: ALLIGATOR WELL#2 1998	
NAD 1927 Coordinates:	Party Chief: HOLLIN	
N =	Field Book OSC CTY WELLS #15	
E =	Page: 34	
Adjustment:	NGVD 1929	
NAD 1983 Coordinates:	Elevation: 71.770	
X =	Order: 3	
Y =	Class:	
Adjustment:	NAVD 1988	
Order:	Elevation:	
Class:	Order:	
	Class:	

Description:

FROM THE INTERSECTION OF HICKORY TREE ROAD (COUNTY ROAD 534), AND MABEL SIMMIONS ROAD, GO EAST ON MABEL SIMMIONS ROAD FOR 0.1 MILE TO WEST SHORE DRIVE AND STATION LOCATION. STATION IS LOCATED 13 FT NORTH OF THE CENTERLINE OF MABEL SIMMIONS DRIVE, AND 94 FT WEST OF THE CENTERLINE OF WEST SHORE DRIVE. BM IS A SFWMD ALUMINUM DISC STAMPED ALLIGATOR WELL #2 1998 BM, AND IS SET IN A 8FT X 3.5 FT CONCRETE SLAB, BETWEEN THE 24" AND 30" CMP HOUSING AROUND THE TWO WELLS ON SAID CONCRETE SLAB.



South Florida Water Management District Benchmark Database

Report run on: October 17, 2005 10:56 AM

Designation: OS52	Latitude: 281158.400	Scaled values only
County: OSCEOLA	Longitude: 811437.500	
USGS Quad: ASHTON	Monument By: SFWMD	
Project: ALL 1 WELL SITE	Year: 1979	
Sec: 29 Twp: 26 Rge: 30	Type: V	
Status:	Stamping: OS52	
NAD 1927 Coordinates:	Party Chief: RANKIN	
N =	Field Book OS.#4	
E =	Page: 35	
Adjustment:	NGVD 1929	
NAD 1983 Coordinates:	Elevation: 74.882	
X =	Order:	
Y =	Class:	
Adjustment:	NAVD 1988	
Order:	Elevation: 73.860	
Class:	Order:	
	Class:	

Description:

CORPSCON EL. 73.86 NAVD 1988

***** RECOVERY NOTE *****

NO DATE, NED STRICKLAND, SFWMD, FIELD BOOK OSCEOLA CO. WELLS 15,
PAGES 33 AND 34, BM OS-52 LINE7 (1979) EL. 74.88 NGVD 1929

BM OS-52 (LINE 7) IS AN ALUMINUM CASTING SET ON THE SOUTH END OF AN ENDWALL THAT RUNS UNDER HICKORY TREE ROAD. IT IS 23.4 FEET NORTHWEST OF THE CENTER LINE OF HICKORY ROAD AND MABEL SIMMONS ROAD, 1.2 MILES NORTH OF THE INTERSECTION OF DEER RUN ROAD AND HICKORY TREE ROAD.

SEC 29 TWP 26S RNG 31E
 RUN LEVELS TO ALLIGATOR WELL SITES 1&2

STA	+	HI	-	ELEV	BMELEV
BM					74.882
	4.58	79.46			
	2.68				
So. WELL			2.95	76.51	
			4.31		
		RETURN LEVELS			
	2.76				
	4.50	79.27			
BM			4.39	74.88	
			2.87		
So. WELL				76.51	76.51
	2.05	78.56			
	5.21				
N. WELL			2.29	76.27	
			4.98		
		RETURN LEVELS			
	2.05				
	5.22	78.32			
			1.81	76.51	76.51
			5.45		

74.0092983333' NAVD88

X III STRICKLAND
 Ø ROCKS

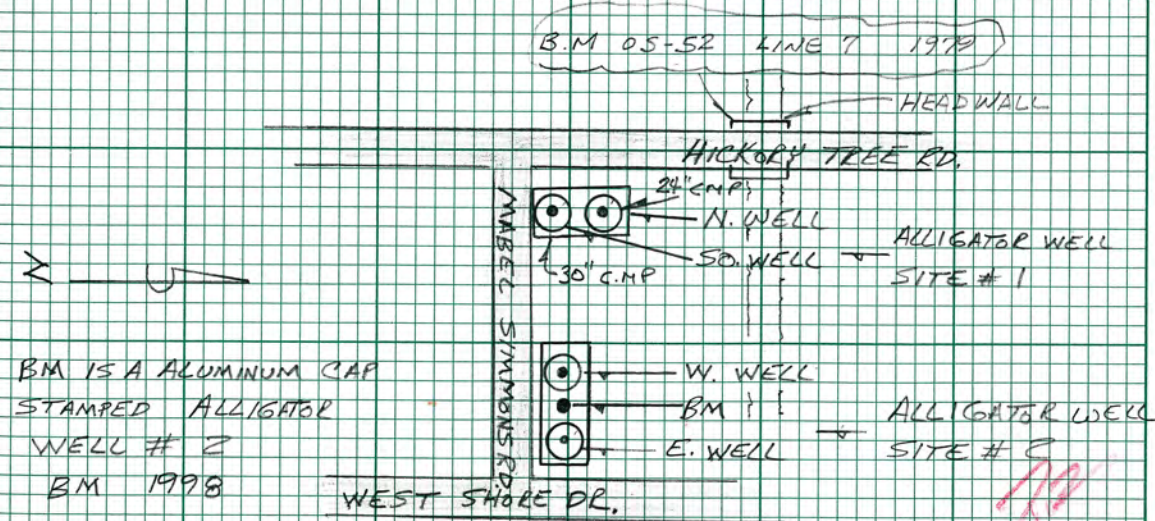
COMMENTS
 BM 05-52 'LINE 7' 1979

So. WELL "X" MARK ON ENE OF 2" PVC PIPE @ ALLIGATOR WELL SITE # 1

SAME AS ABOVE

N. WELL "X" MARK ON NNE OF 2" PVC PIPE @ ALLIGATOR WELL SITE # 1

So. WELL SAME AS ABOVE



SEC 29 TWP 26S RNG 31E
LEVELS TO ALLIGATOR WELL SITE #2

STA	+	HI	-	ELEV	BMELEV
BM	3.67 3.59	78.55			74.88
TP	4.55 2.71	77.39	5.71 1.55	72.84	
TP	3.94 3.32	75.91	5.42 1.84	71.97	
TP	5.19 2.07	76.32	4.78 2.48	71.13	
BM			4.55 2.71	71.77	71.77
		RETURN LEVELS			
TP	4.53 2.93	76.13	4.96 2.30	71.14	
TP	4.76 2.50	75.90	3.95 3.32	71.95	
TP	5.43 1.83	77.38	4.53 2.73	72.85	
BM	5.69 1.57	78.54	3.65 3.61	74.89	74.88

COMMENTS
BM 05-52 LINE 7 1979

BM IS A ALUMINUM CAP STAMPED ALLIGATOR WELL #2
BM 1998 SEE DRAWING ON PG-33 B.M IS 34' W OF
THE INTERSECTION OF MARLE SIMMONS & WEST SHORE DR.
AND 13.0' NORTH OF MARLE SIMMONS RD. DISK IS SET
BETWEEN THE 2 WELLS W/ 24" CMP HOUSING ON A
8'x3.5" THE E. CMP IS 24" AND THE W. CMP IS
30"

BM 05-52 LINE 7 1979

SEC 29 TWP 26S RNG 31E
LEVELS CONT'D

STA	+	HI	-	ELEV	BMELEV
BM					71.77
	4.71	76.48			
	2.55				
E. WELL			2.32		
			4.94	74.16	
W. WELL			2.67		
			4.57	73.79	
		RETURN LEVELS			
	2.70	76.49			
	4.56				
BM			4.72		
			2.54	71.77	

COMMENTS

BM ALLIGATOR WELL #2 BM 1998

E. WELL "X" MARK ON SLY SIDE OF 2" PVC PIPE @ ALLIGATOR
WELL SITE #2W. WELL "X" MARK ON SLY SIDE OF 2" PVC PIPE @ ALLIGATOR
WELL SITE #2

BM SAME AS ABOVE

OSCEOLA CO WELLS FB # 4

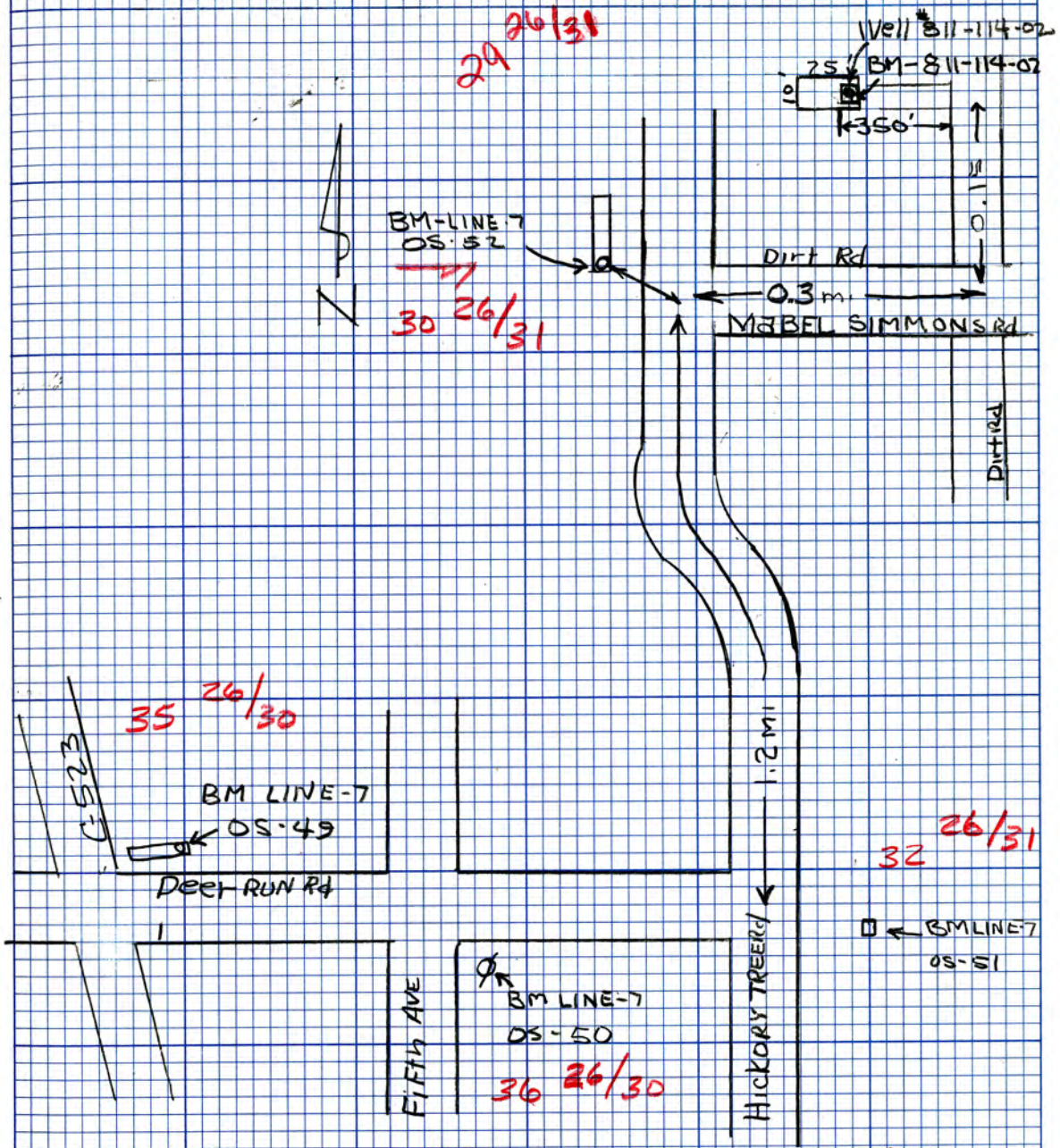
	+	-	ELEV
BM	5.79		5.11
	1.48		2.18
	<u>7.27</u>		<u>7.29</u>

TOTAL = 70.09 TOTAL = 69.39

Diff = 0.70

OSCEOLA CO WELLS FB # 4

BM-LINE-7 OS 52 is a 10m. casting set on the S. end of a end wall that runs UNDER HICKORY TREE Rd it is 23.4' N. of C of Hickory Tree Rd & Mabel Simmons Rd 1.2 mi N. of the inter of Deer Run Rd & HICKORY TREE Rd



PROJECT OSC. CO. WELLS FIELD BOOK OSC. CO. WELLS #3 ORDER ADJ. BY P.L.H.
 LINE FROM F-59 (RECT 1071) TO (Loop-7) (CURR LINE) PARTY CHIEF P. RANKIN COUNTY OSCEOLA DATE 4-16-79

SECTION	DISTANCE	F OR B	SLAM ROD READINGS		DIFF. ELEV.	MEAN DIFF.	ELEVATIONS			REMARKS
			BACK +	FWD. -			UNADJ.	CORR.	ADJ.	
OSC. CO. WELLS P-59 (RECT 1071)									76.102	
	5808	F	63.30	67.57						
OS-41 (LINE-7)					-4.27		71.832	+0.11	71.843	OSC. CO. WELLS #3 PG. 62
	5808	F	61.72	60.25						
OS-42					+1.47		73.202	+0.23	73.325	" " " 64
	6336	F	36.55	65.3"						
OS-43					-20.58		93.982	+0.36	94.018	" " " 67
	6388	F	75.57	100.11						
OS-47					-24.54		69.442	+0.48	69.490	" " " #4, PG. 15
	1320	F	71.10	72.06						
OS-48					-.96		68.482	+0.51	68.533	" " " #4 " 18
	5820	F	78.52	71.14						
OS-49					+7.38		75.862	+0.63	75.925	" " " " 21
		F	52.77	56.17	-3.40					
		B	55.70	52.32	+3.38					" " " " 23
BM-807-116-01						-3.39			72.535	
							75.862	+0.63	75.925	
	5810	F	69.11	71.04						
OS-50					-1.93		73.932	+0.75	74.007	" " " " 29
	6340	F	74.97	74.82						
OS-51					+1.15		74.082	+0.87	74.169	" " " " 32
	6325	F	70.09	69.39						
OS-52					+1.70		74.782	+1.00	74.882	" " " " 35

The NGS Data Sheet

Datum Differences

NAVD88 - NGVD29

22.930m - 23.196m = -0.266m (0.8727016666')

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

```

PROGRAM = datasheet95, VERSION = 8.7.1
1      National Geodetic Survey,   Retrieval Date = AUGUST  8, 2015
AK2011 *****
AK2011 DESIGNATION - P 59 RESET
AK2011 PID - AK2011
AK2011 STATE/COUNTY- FL/OSCEOLA
AK2011 COUNTRY - US
AK2011 USGS QUAD - ST CLOUD SOUTH (1980)
AK2011
AK2011 *CURRENT SURVEY CONTROL
AK2011
AK2011* NAD 83(2011) POSITION- 28 14 45.99482(N) 081 17 35.16489(W) ADJUSTED
AK2011* NAD 83(2011) ELLIP HT- -5.017 (meters) (06/27/12) ADJUSTED
AK2011* NAD 83(2011) EPOCH - 2010.00
AK2011* NAVD 88 ORTHO HEIGHT - 22.930 (meters) 75.23 (feet) ADJUSTED
AK2011
AK2011 NAD 83(2011) X - 851,187.532 (meters) COMP
AK2011 NAD 83(2011) Y - -5,558,059.622 (meters) COMP
AK2011 NAD 83(2011) Z - 3,000,557.042 (meters) COMP
AK2011 LAPLACE CORR - -1.26 (seconds) DEFLEC12B
AK2011 GEOID HEIGHT - -27.94 (meters) GEOID12B
AK2011 DYNAMIC HEIGHT - 22.896 (meters) 75.12 (feet) COMP
AK2011 MODELED GRAVITY - 979,158.8 (mgal) NAVD 88
AK2011
AK2011 VERT ORDER - SECOND CLASS I
AK2011
AK2011 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AK2011 Standards:
AK2011 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AK2011 Horiz Ellip SD_N SD_E SD_h (unitless)
AK2011 -----
AK2011 NETWORK 0.97 1.65 0.42 0.37 0.84 0.09255559
AK2011 -----
AK2011 Click here for local accuracies and other accuracy information.
AK2011
AK2011
AK2011.The horizontal coordinates were established by GPS observations
AK2011.and adjusted by the National Geodetic Survey in June 2012.
AK2011
AK2011.NAD 83(2011) refers to NAD 83 coordinates where the reference
AK2011.frame has been affixed to the stable North American tectonic plate. See
AK2011.NA2011 for more information.
AK2011
AK2011.The horizontal coordinates are valid at the epoch date displayed above
AK2011.which is a decimal equivalence of Year/Month/Day.
AK2011
AK2011.The orthometric height was determined by differential leveling and
AK2011.adjusted by the NATIONAL GEODETIC SURVEY
AK2011.in April 2004.
AK2011
AK2011.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AK2011
AK2011.The Laplace correction was computed from DEFLEC12B derived deflections.
AK2011
AK2011.The ellipsoidal height was determined by GPS observations
AK2011.and is referenced to NAD 83.
AK2011

```

AK2011.The dynamic height is computed by dividing the NAVD 88
 AK2011.geopotential number by the normal gravity value computed on the
 AK2011.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AK2011.degrees latitude (g = 980.6199 gals.).

AK2011

AK2011.The modeled gravity was interpolated from observed gravity values.

AK2011

AK2011. The following values were computed from the NAD 83(2011) position.

AK2011

AK2011;	North	East	Units	Scale	Factor	Converg.
AK2011;SPC FL E	- 433,516.427	171,237.392	MT	0.99995138	-0 08	19.4
AK2011;SPC FL E	- 1,422,295.14	561,801.34	sFT	0.99995138	-0 08	19.4
AK2011;UTM 17	- 3,124,500.494	471,247.206	MT	0.99961020	-0 08	19.4

AK2011!
 - Elev Factor x Scale Factor = Combined Factor
 AK2011!SPC FL E - 1.00000079 x 0.99995138 = 0.99995217
 AK2011!UTM 17 - 1.00000079 x 0.99961020 = 0.99961099

AK2011

SUPERSEDED SURVEY CONTROL

AK2011

AK2011	NAD 83(2007)-	28 14 45.99487(N)	081 17 35.16566(W)	AD(2002.00)	1
AK2011	ELLIP H (04/30/08)	-5.008 (m)		GP(2002.00)	4 1
AK2011	NAVD 88 (04/30/08)	22.93 (m)	75.2 (f)	LEVELING	3
AK2011	NAVD 88 (06/15/91)	22.898 (m)	75.12 (f)	SUPERSEDED	2 1
AK2011	NGVD 29 (09/01/92)	23.196 (m)	76.10 (f)	ADJUSTED	2 1

AK2011

AK2011.Superseded values are not recommended for survey control.

AK2011

AK2011.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AK2011.[See file dsdata.txt](#) to determine how the superseded data were derived.

AK2011

AK2011_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM7124724500(NAD 83)

AK2011

AK2011_MARKER: DB = BENCH MARK DISK

AK2011_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AK2011_SP_SET: SET IN TOP OF CONCRETE MONUMENT

AK2011_STAMPING: P 59 RESET 1971

AK2011_MARK LOGO: CGS

AK2011_PROJECTION: PROJECTING 3 CENTIMETERS

AK2011_MAGNETIC: N = NO MAGNETIC MATERIAL

AK2011_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AK2011+STABILITY: SURFACE MOTION

AK2011_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AK2011+SATELLITE: SATELLITE OBSERVATIONS - August 15, 2007

AK2011

AK2011	HISTORY	- Date	Condition	Report By
AK2011	HISTORY	- 1971	MONUMENTED	NGS
AK2011	HISTORY	- 19990219	GOOD	USPSQD
AK2011	HISTORY	- 20010204	GOOD	FLDEP
AK2011	HISTORY	- 20050218	GOOD	GEOCAC
AK2011	HISTORY	- 20070815	GOOD	WILMIL

AK2011

STATION DESCRIPTION

AK2011

AK2011'DESCRIBED BY NATIONAL GEODETIC SURVEY 1971

AK2011'AT ST CLOUD.

AK2011'AT ST. CLOUD, IN THE FRONT LAWN OF THE ROSS JEFFRES ELEMENTARY

AK2011'SCHOOL, BETWEEN DAKOTA AVENUE AND VERMONT AVENUE, 6 FEET WEST

AK2011'OF A CONCRETE POWER POLE WITH THREE TRANSFORMERS, 40 FEET EAST

AK2011'OF EAST CURB OF DRIVEWAY, 10 FEET SOUTH OF THE SOUTH CURB OF

AK2011'SCHOOL PARKING LOT, 8 FEET NORTH OF NORTH CURB OF U.S. HIGHWAY

AK2011'441 (WEST BOUND LANE), 1 1/2 FEET NORTH OF NORTH EDGE OF SIDEWALK,

AK2011'1 FOOT NORTH OF CHAINLINK FENCE AND 1 FOOT NORTH OF A WITNESS

AK2011'POST. SET IN THE TOP OF A ROUND CONCRETE POST ABOUT FLUSH WITH

AK2011'THE GROUND.

AK2011

AK2011 STATION RECOVERY (1999)

AK2011

AK2011'RECOVERY NOTE BY US POWER SQUADRON 1999

AK2011'RECOVERED IN GOOD CONDITION.

AK2011

AK2011 STATION RECOVERY (2001)

AK2011

AK2011'RECOVERY NOTE BY FL DEPT OF ENV PRO 2001 (JLM)

AK2011'THE MARK IS IN ST CLOUD, IN SECTION 3, TOWNSHIP 26 SOUTH, RANGE 30

AK2011'EAST. TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAYS 192, 441

AK2011'(13TH STREET) AND COUNTY ROAD 523 (VERMONT AVENUE CANOE CREEK ROAD) IN

AK2011'ST. CLOUD, GO WEST ON (NORTH) U.S. HIGHWAY 192, 441 (13TH STREET) FOR

AK2011'0.05 MI (0.08 KM) TO THE MARK ON THE RIGHT, SET IN THE TOP OF A ROUND

AK2011'CONCRETE MONUMENT FLUSH WITH THE GROUND AND LEVEL WITH COUNTY ROAD

AK2011'523. LOCATED 89.5 FT (27.3 M) SOUTH OF THE ADMINISTRATION DOOR ON THE

AK2011'SOUTHSIDE OF THE ROSS E. JEFFRIES SCHOOL, 55.5 FT (16.9 M) EAST OF

AK2011'THE APPROXIMATE CENTERLINE OF THE EXIT DRIVEWAY OF ROSS E. JEFFRIES

AK2011'SCHOOL, 26.2 FT (8.0 M) NORTH OF THE CENTERLINE OF U.S. HIGHWAY 192

AK2011'AND 19.6 FT (6.0 M) WEST OF POWERPOLE NUMBER 45420.

AK2011

AK2011 STATION RECOVERY (2005)

AK2011

AK2011'RECOVERY NOTE BY GEOCACHING 2005 (MAG)

AK2011'RECOVERED IN GOOD CONDITION.

AK2011

AK2011 STATION RECOVERY (2007)

AK2011

AK2011'RECOVERY NOTE BY WILSONMILLER 2007 (JHL)

AK2011'RECOVERED IN GOOD CONDITION

*** retrieval complete.

Elapsed Time = 00:00:03