

SURVEY REPORT

Topographic Survey
 Lox Slough Monitoring Wells
 Palm Beach County, Florida
 Work Order # 460000940-WO10
 Date: 40339.00
 Revised:
 EA Project No.: 60134.10
 English Units, US Survey Feet
 Florida East Zone 901
 Horizontal Datum = NAD 83/2007
 Vertical Datum = NAVD 1988 & NGVD 1929



1402 Royal Palm Beach Blvd., Bldg 500
 Royal Palm Beach, Florida 33411
 LB# 7334 EB# 25912

	<u>WELL</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>ELEV(29)</u>	<u>ELEV(88)</u>	<u>DESCRIPTION</u>
NWB Well	BM-BERM-NW	932580.09	925003.90	26 53 48.94306	80 10 30.54066	18.56	17.05	SET SFWMD DISK IN CONCRETE STAMPED "BERM NW, LB 7334 AND 2010"
GW1 NWB-S	East Well	932579.89	924997.84	26 53 48.94147	80 10 30.60760	18.44	16.93	SET V-NOTCH IN TOP OF 2" PVC
GW2 NWB-D	West Well	932579.66	924992.21	26 53 48.93956	80 10 30.66980	18.41	16.90	SET V-NOTCH IN TOP OF 2" PVC
	Ground					18.7	17.2	
NEB Well	BM-BERM-NE	932566.05	931916.27	26 53 48.35247	80 09 14.19728	20.50	18.99	SET SFWMD DISK IN CONCRETE STAMPED "BERM NE, LB 7334 AND 2010"
GW2 NEB-D	East Well	932566.12	931926.29	26 53 48.35250	80 09 14.08661	20.15	18.64	SET V-NOTCH IN TOP OF 2" PVC
GW1 NEB-S	West Well	932566.19	931920.80	26 53 48.35356	80 09 14.14724	20.43	18.92	SET V-NOTCH IN TOP OF 2" PVC
	Ground					20.7	19.2	
EB Well	BM-BERM-NS	928462.23	935161.95	26 53 07.49808	80 08 38.65648	20.77	19.26	SET SFWMD DISK IN CONCRETE STAMPED "BERM NS, LB 7334 AND 2010"
GW1 EB-S	South Well	928473.32	935162.28	26 53 07.60788	80 08 38.65201	20.44	18.93	SET V-NOTCH IN TOP OF 2" PVC
GW2 EB-D	North Well	928478.56	935163.07	26 53 07.65972	80 08 38.64289	20.60	19.09	SET V-NOTCH IN TOP OF 2" PVC
	Ground					20.9	19.4	
OMN Well	BM-MARSH-N	924924.17	932473.72	26 52 32.64101	80 09 08.60517	18.15	16.64	SET SFWMD DISK IN CONCRETE STAMPED "MARSH N, LB 7334 AND 2010"
GW1 OMN-S	Well East	924924.08	932468.99	26 52 32.64043	80 09 08.65741	18.12	16.61	SET V-NOTCH IN TOP OF 2" PVC
GW2 OMN-D	Well West	924924.67	932463.01	26 52 32.64667	80 09 08.72340	18.13	16.62	SET V-NOTCH IN TOP OF 2" PVC
	Ground					18.3	16.8	
OMS Well	BM-MARSH-S	921750.07	929744.18	26 52 01.38889	80 09 38.97826	18.38	16.87	SET SFWMD DISK IN CONCRETE STAMPED "MARSH S, LB 7334 AND 2010"
GW2 OMS-D	Well East	921760.85	929744.24	26 52 01.49564	80 09 38.97681	18.07	16.56	SET V-NOTCH IN TOP OF 2" PVC
GW1 OMS-S	Well West	921761.05	929738.83	26 52 01.49797	80 09 39.03653	18.21	16.70	SET V-NOTCH IN TOP OF 2" PVC
	Ground					18.6	17.1	
	BM-PGA-N	911570.40	929521.33	26 50 20.59750	80 09 42.18179	17.13	15.62	SET SFWMD DISK IN CONCRETE STAMPED "PGA N, LB 7334 AND 2010"
	Well	911575.03	929518.10	26 50 20.64356	80 09 42.21711	17.16	15.65	SET V-NOTCH IN TOP OF 2" PVC
	Ground					17.1	15.6	
C18P Well	BM-C-18-P	921737.11	924721.71	26 52 01.58676	80 10 34.43592	19.64	18.13	SET SFWMD DISK IN CONCRETE STAMPED "C 18 P, LB 7334 AND 2010"
GW1 C18P-S	Well South	921734.42	924723.03	26 52 01.56003	80 10 34.42154	19.55	18.04	SET V-NOTCH IN TOP OF 2" PVC
GW2 NWB-D	Well North	921739.79	924720.76	26 52 01.61336	80 10 34.44622	19.53	18.02	SET V-NOTCH IN TOP OF 2" PVC
	Ground					19.8	18.3	
	BM-PGA-S	902833.32	932091.17	26 48 53.90795	80 09 14.45613	17.21	15.70	SET SFWMD DISK IN CONCRETE STAMPED "PGA S, LB 7334 AND 2010"
	Well	902832.21	932096.16	26 48 53.89663	80 09 14.40114	17.09	15.58	SET V-NOTCH IN TOP OF 2" PVC
	Ground					17.4	15.9	

SURVEYORS REPORT:

VERTICAL VALUES BASED UPON NGS MONUMENT(S): M600, G160, G161 & Y547 & JUPITER FARMS
HORIZONTAL VALUES BASED UPON MONUMENT(S): SKY AND JUPITER FARMS
VERTICAL ACCURACY ESTIMATED TO BE 0.01'
HORIZONTAL ACCURACY ESTIMATED TO BE 0.01'
HORIZONTAL INFORMATION SHOWN HEREON OBTAINED USING GPS RTK TIED TO THE LENGEMANN RTN
VERTICAL INFORMATION SHOWN HEREON OBTAINED USING TOPCON DIGITAL LEVEL 102-C
THERE WERE NO CONDITIONS ENCOUNTERED THAT PREVENTED FAC 5J-17 FROM BEING MET
FIELD BOOK: EA SFWMD 6 PAGES 6 - 31
DATE OF LAST FIELD WORK: 6/9/2010

ABBREVIATIONS

BM-SITE BENCHMARK
EA-ERDMAN ANTHONY
FAC-FLORIDA ADMINISTRATIVE CODE
GPS-GLOBAL POSITIONING SYSTEM
LB-LICENSED BUSINESS
N-NORTH
NAD-NORTH AMERICAN DATUM
NAVD-NORTH AMERICAN VERTICAL DATUM
NE-NORTHEAST
NGS-NATIONAL GEODETIC SURVEY
NGVD-NATION GEODETIC VERTICAL DATUM
NS-NORTH-SOUTH
NW-NORTHWEST
PID-POINT IDENTIFIER
PSM-PROFESSIONAL SURVEYOR AND MAPPER
RTN-REAL TIME NETWORK
RTK-REAL TIME KINEMATICS
S-SOUTH
SFWMD-SOUTH FLORIDA WATER MANAGEMENT DISTRICT

CERTIFICATION:

I HEREBY CERTIFY THAT THE INFORMATION HEREWITH IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS SURVEYED AND DEPICTED UNDER MY SUPERVISION. THIS SURVEY MEETS THE INTENT OF THE MINIMUM TECHNICAL STANDARDS FOR SURVEYING IN THE STATE OF FLORIDA AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS PURSUANT TO SECTION 472.027, FLORIDA STATUTES AND ADOPTED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE.

NOT VALID WITHOUT THE RAISED SEAL AND SIGNATURE OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

ERDMAN ANTHONY OF FLORIDA, INC.

MICHAEL E. ROSS, PSM
PROFESSIONAL SURVEYOR AND MAPPER
NO. 6622, STATE OF FLORIDA

DATE: _____

TOPCON
GR. 3 "A"
PC2500 A"

LOX. SLOUGH
S.F.V.M.D.
JOB No. 60134.10
SEB. 6013410D
GPS CONTROL PT 6

CORRECT BASE @ SKY

PT. No.	DECP.	
2000	CK/SKY	H 0.013
LOX SHU 1	STMD	
LOX SHU 2	"	
2001	CK/10	IRC
2002	CK/20	"
2003	CK/30	"

E. CASTILLO
R. RODRIGUEZ

BK. 3 P. 59

04.28.2010
80° NICE
CLEAR
N.W. LY. 5-10

2007 DATUM

SKY N. 929813.71 E. 935175.52

150TH CT. 69TH DRIVE

TOPCON
GR3
FC2500

SFWMD
LOX SLOUGH
JOB 60134.10
SEG 60134.10 D

BUILD, STAMP AND
LOCATE BMS

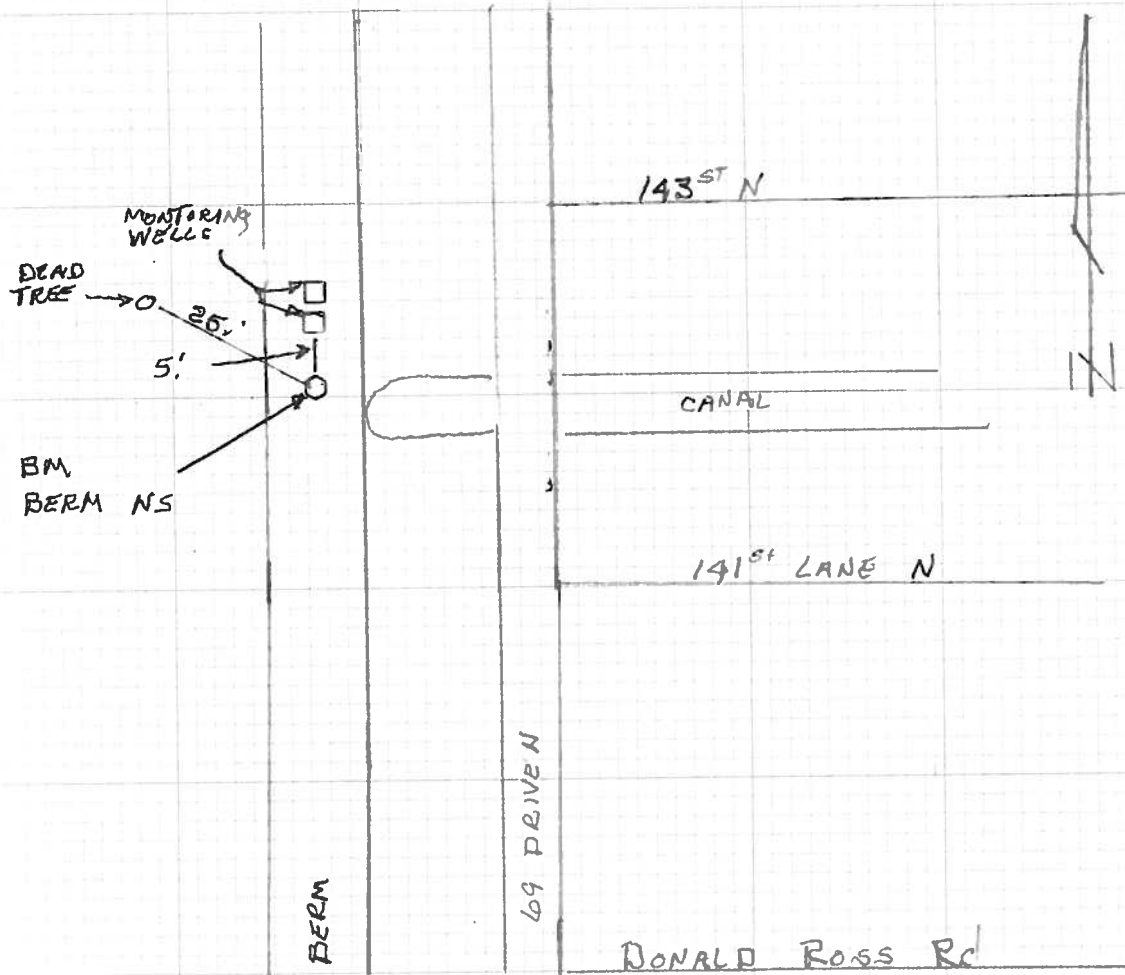
BM 'BERM NS'

T WEATHERMAN
L RODRIGUEZ

SFWMD BK6 P-6

4-20-2010
80°
CLEAR
0-5

BM 'BERM NS'
STAMPED



TOPCON
GR3
FC 2500

SFWMD
LOX SLOUGH
JOB 60134.10
SEG 4013410'D
BUILD, STAMP &
LOCATE BMS

BM "BERM NE"

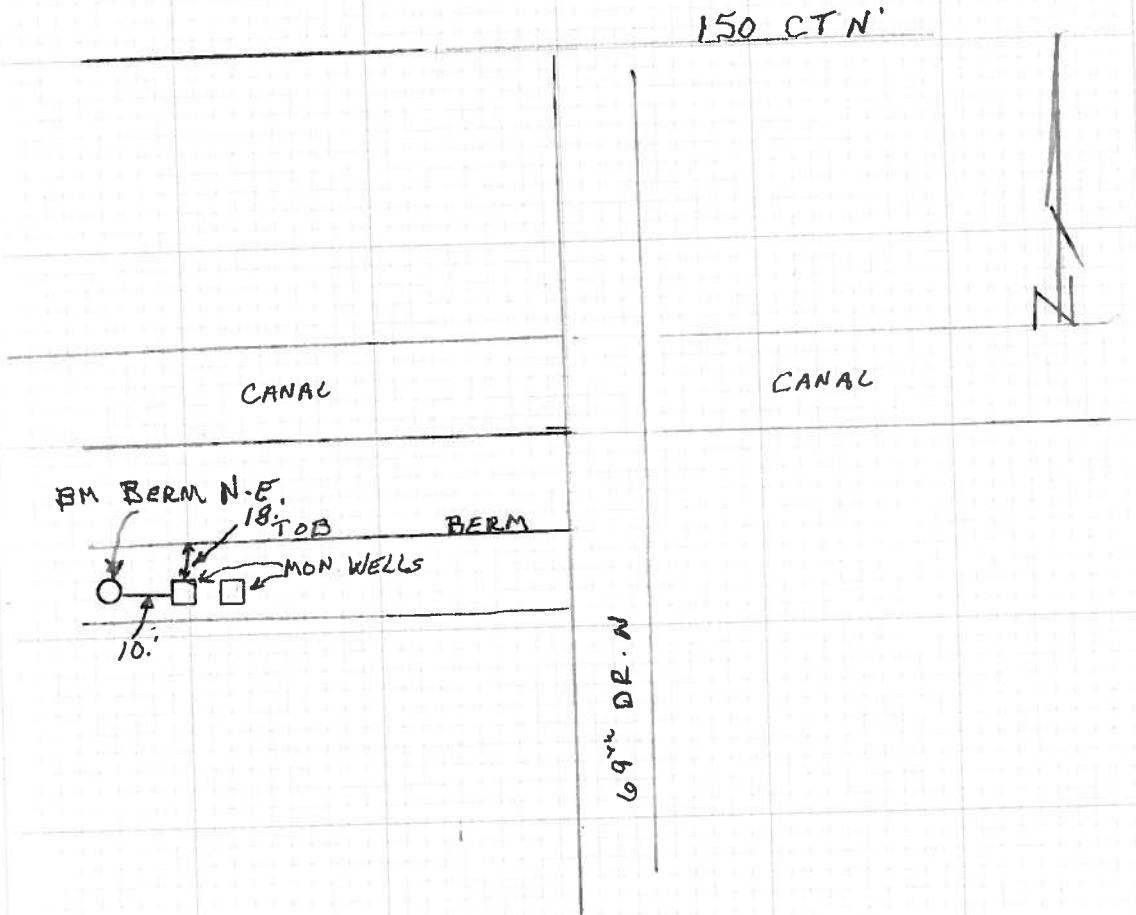
TWEATERMAN
L RODRIGUEZ

SFWMD BK6 P-7

4-20-2010
80
CLEAR
0-5

BM "BERM NE"

150 CTN'



TOPCON
GR3
FC2500

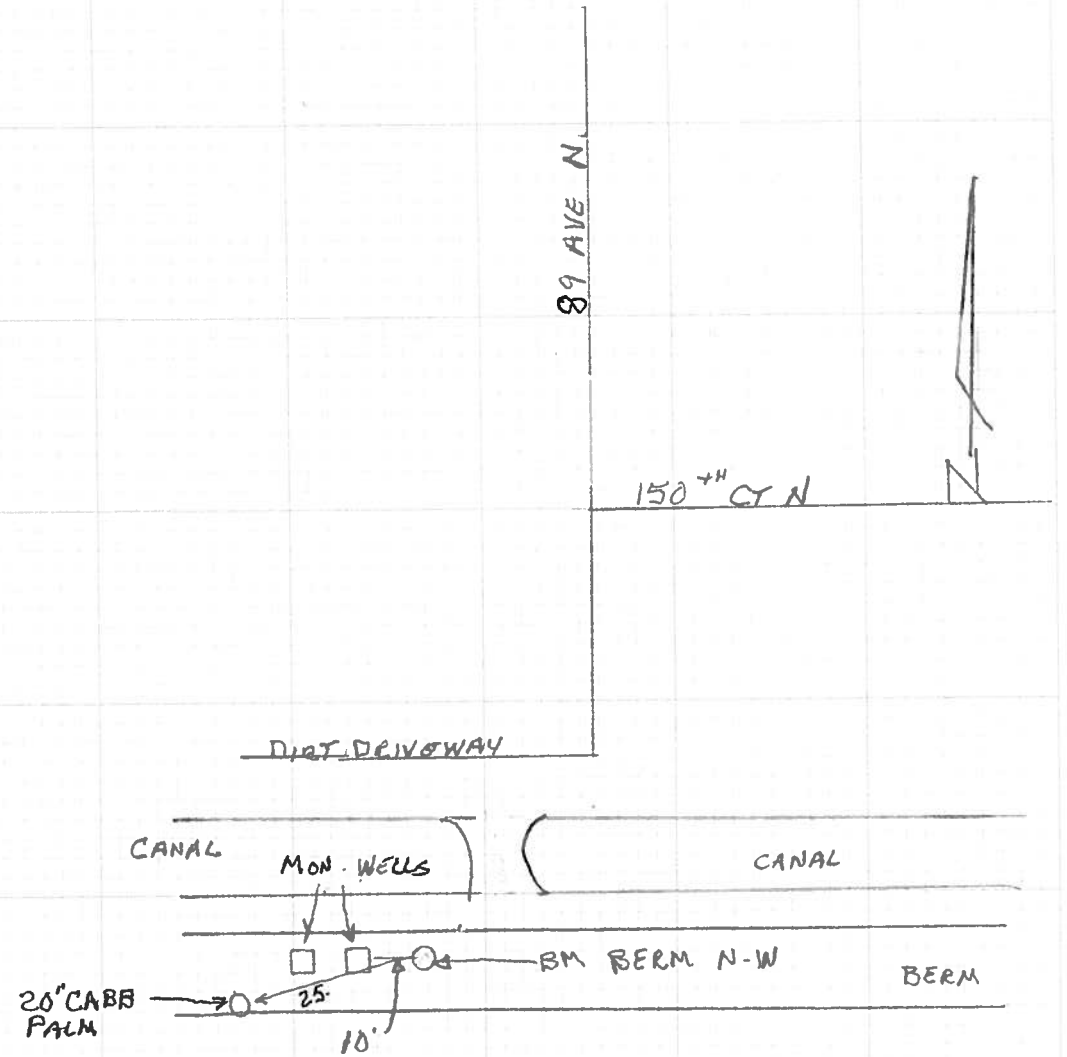
SFWMD
LOX SLOUGH
JOB 6013410
SEG 60134.10 D'
BUILD, STAMP &
LOCATE BMS

BM "BERM N W"

TWEATHERMAN SFWMD BK6 P-8
L RODRIGUEZ

4-20-2010
80
CLEAR
0-5

BM BERM N W



TORCON
GR3
FC 2500

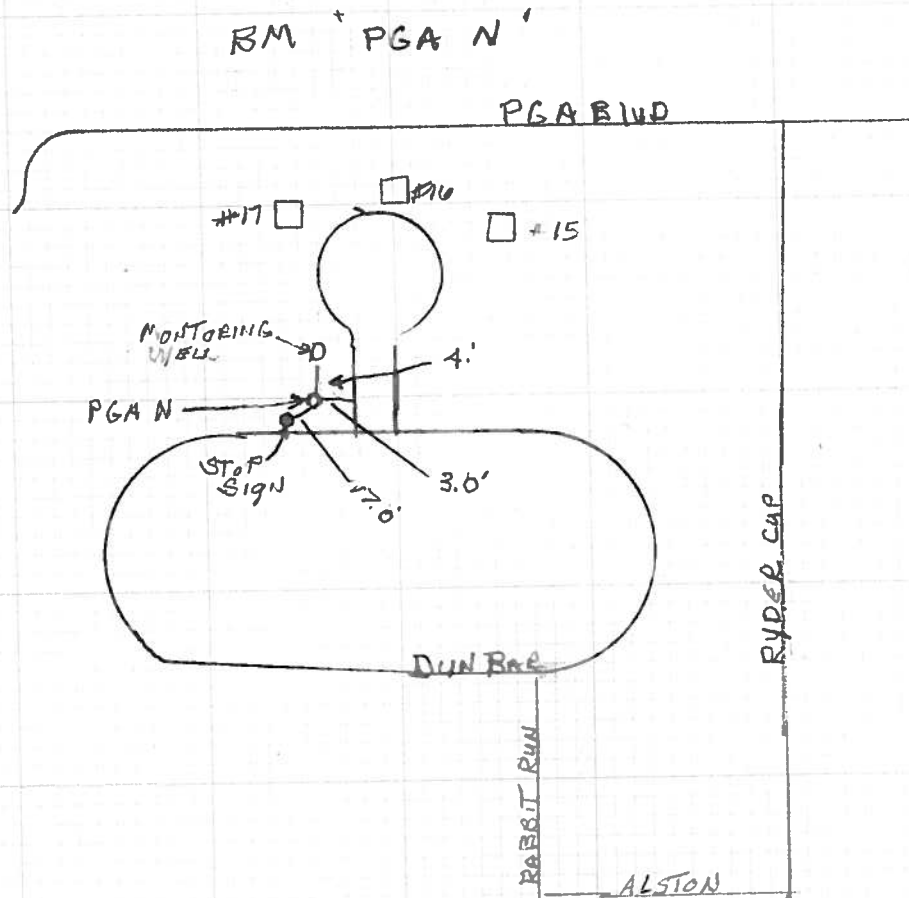
SFWM D
LOX SLOUGH
JOB 6013410
BUILD, STAMP &
LOCATE BMS
SEG 6013410 D'

BM "PGA N"

TWEATHERMAN
L RODRIGUEZ

SFWM D BK 6 P-9

4-20-2010
80
CLEAR
0-5



TOPCON
GR3
FC 2500

SFWMD
LOX SLOUGH
JOB 60134.10
BUILD, STAMP &
LOCATE BMS
SEG 60134.10 'D'

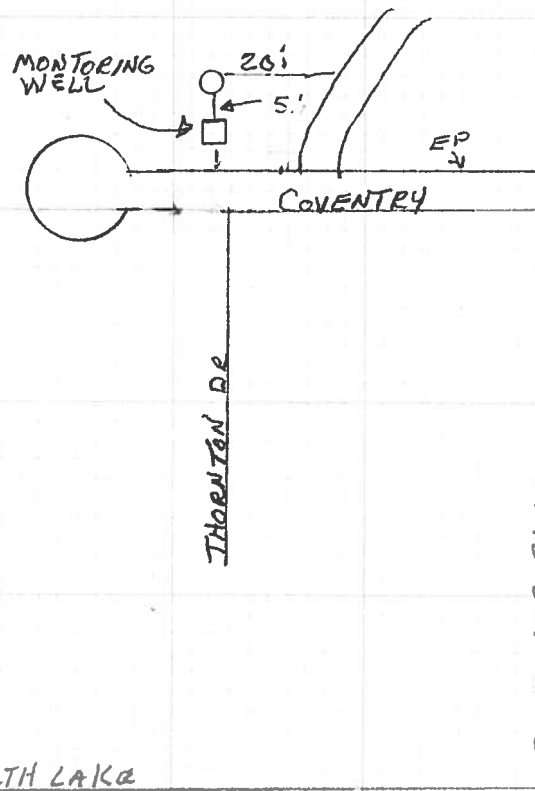
BM 'PGA S'

TWEATHERMAN
L RODRIGUEZ

SFWMD BKG P-10

4-20-2010
80
CLEAR
0-5

BM 'PGA S'



TOPCON
GR3
FC 2500

SFWMD
LOX SLOUGH
JOB 6013410
BUILD, STAMP &
LOCATE BMS
SEG 6013410 'D'

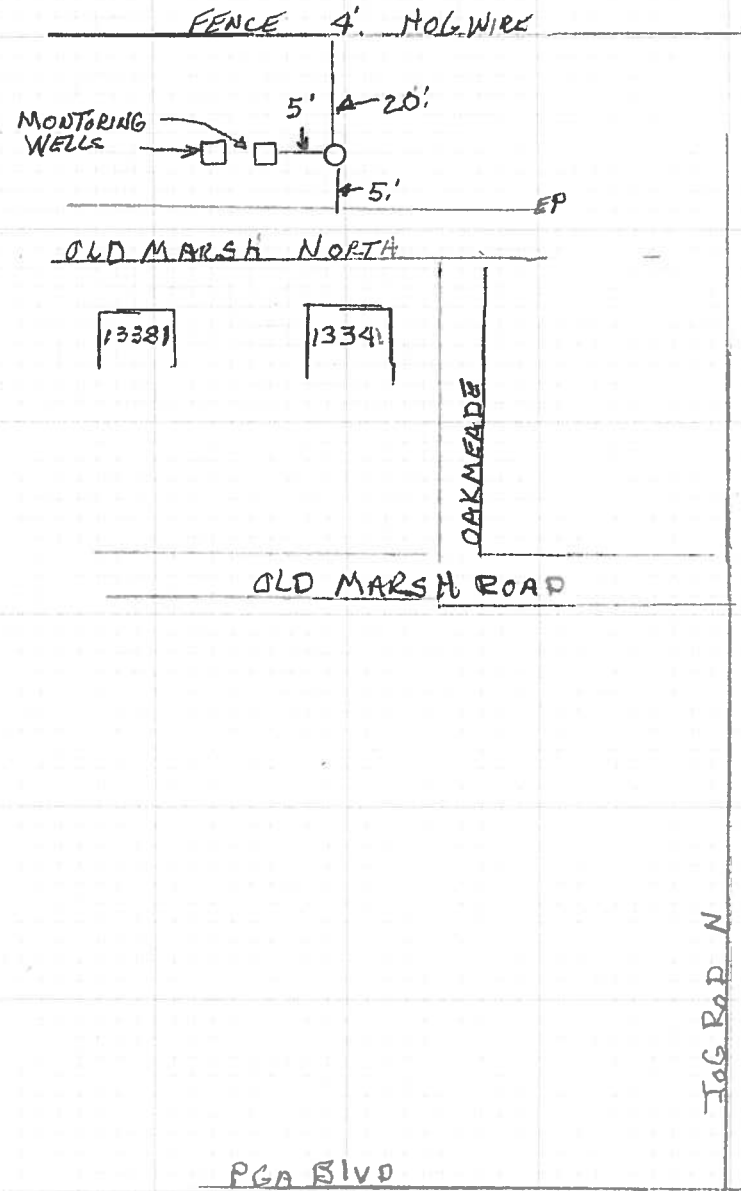
BM "MARSH N"

TWEATHERMAN
L. RODRIGUEZ

SFWMD BK6 P-11

4-20-2010
80°
CLEAR
0-5

BM "MARSH N"



TOPCON
GPT 2002
FL 2500

SFWMD
LOX SLOUGH
JOB 0013410

PPM'S 9.9

T WEATHERMAN
L RODRIGUEZ

SFWMD BK6 P-12

4-21-2010
82°
CLEAR
0-5

STAKE PROP. LINE
SEG 6013410 E

SET CONTROL PT 3

①
T 1800
H: 4.96

BS 1
H: 5.35

1860	CK/1	H 0.064	V = -0.224
3			
1861	CK/3	H 0.003	V = -0.002
1862	CK/1	H 0.0	V = 0

STAKE PROP LINE

②
T 3
H: 5.10

BS 1805 FS 1800
H: 5.04 H: 6.00

1863	CK/1805	H 0.127	V = -0.0163
1864	CK/1800	H 0.041	V = -0.028
1865	SET EA IRC PT 1854		
1866	SET EA IRC PT 1853		
1867	SET EA IRC PT 1852		
1868	SET EA IRC PT 1851		
1869	SET EA IRC PT 1850		
1870	CK/1805	H 0.127	V = 0.0163

TBRCON
DL102C
SN 440187

SFWMD
LOY SLOUGH
JOB 60134.10
PEG TEST

⊙
K C'

'A' 5.245 'B' 4.551

⊙
K A

'A' 4.632 'B' 3.938

ERROR 0.00

TWEATHERMAN
L RODRIGUEZ

SFWMD BKL

P-13

4-21-2010
82
CLEAR
0-5

BENCH RUN
SEGL 60134.10 C'

BM	POINT	NAME	DESC	ENU	BM Elev
N600			'ROD & SLEEVE		18.469
	CP1	BERM NW	STMD	18.8760	
	CP2	BERM NE	STMD	20.9620	

TOPCON
PL102C
440187

SFWMD
LOY SLOUGH
JOB 60134.10

BENCH RUN
SEG 460134.1 C'
CONT'D FROM P-13

BM	POINT	NAME	DESC	Elev	BM Elev
	CP3	BERM N-S	STMD	19.136	
	CP4	MARSH-N	STMD	16.777	

TWEATHERMAN
L RODRIGUEZ

SFWMD BK6 P-14

4-22-2010
82°
CLEAR
05

TOPCON
GR3
FC2500

B' 0331

SFWMD
LOX SLOUGH
JOB 60134.10

LOCATE CONTROL
AND BMS
SEG 6013410 F

NETWORK RTK

1900	LOX SLU 1		
1901	LOX SLU 2		
1902	BERM N.W.		
1903	CK/30	H 0.113	V 0.040
1904	BERM N.E.		
1905	CK/SKY	H - 0.78	
1906	BERM N-S		
1907	MARSH N		

TWEATHERMAN SFWMD BK6 P-15
M. HIGGINS

4-27-2010
84°

TOPCON
GR3
FC 2500

SFWMD
LOX SLOUGH
JOB 60134.10

SET & LOCATE BMS
SEG 60134.10 'F'

RTK NETWORK

1908	PGA N
1909	PGA S
1910	MARSH S

TWEATHERMAN SFWMD BK6 P-16
M HIGGINS

4-28-2010
82°
CLEAR
0.5

SFWMD
LOY SLOUGH
JOB 60134.10
SET & LOCATE BMS
SEG 60134.10 F

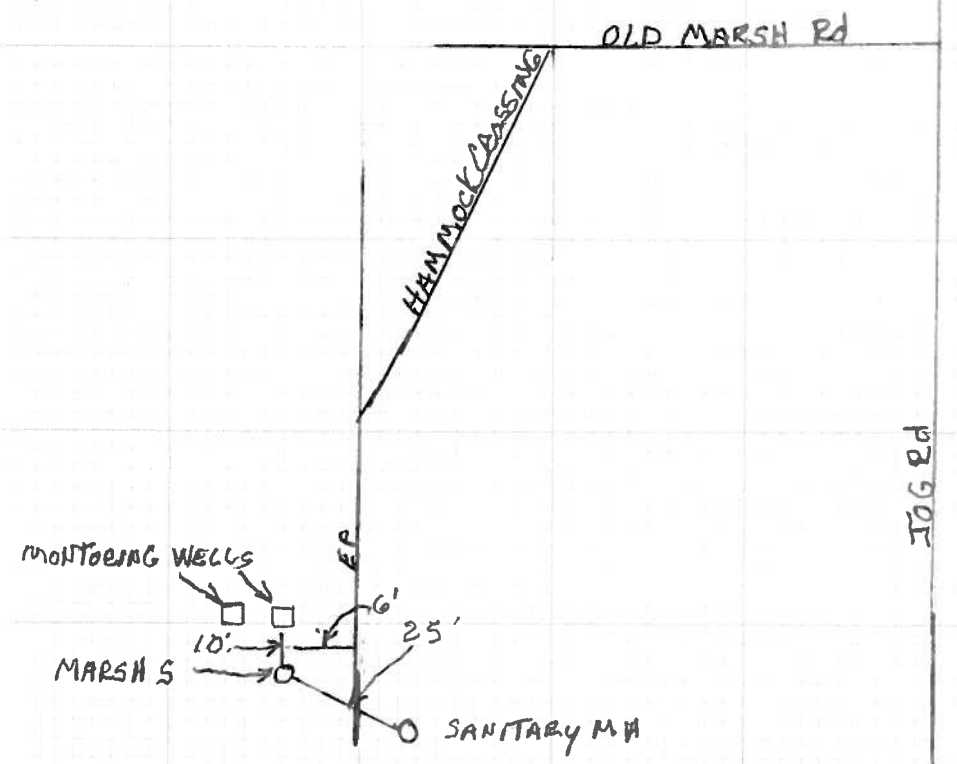
BM MARSH S.

TWEATHERMAN
M HIGGINS

SFWMD BK 6 P-17

4-28-2010
82
CLEAR
0-5

MARSH S



PCA BWD

TOPCON
DL102C
SN UH0187

SFWMD
LOX SLOUGH
JOB 6013410
BENCH RUN CONT'D
FROM P-14
SEG L601341'C

BM	POINT	NAME	DESC	Elev	BM Elev
	CP5	MARSHS	STMD		
	CP6	PGA-N	STMD		
	CP8	C18-P	STMD		

TWEATHERMAN SFWMD BKG P-18
M. HIGGINS
SAME CREW
4-29-2010

4-28-2010
82
CLERS
05

TOPCON
GR 3
FC 2500

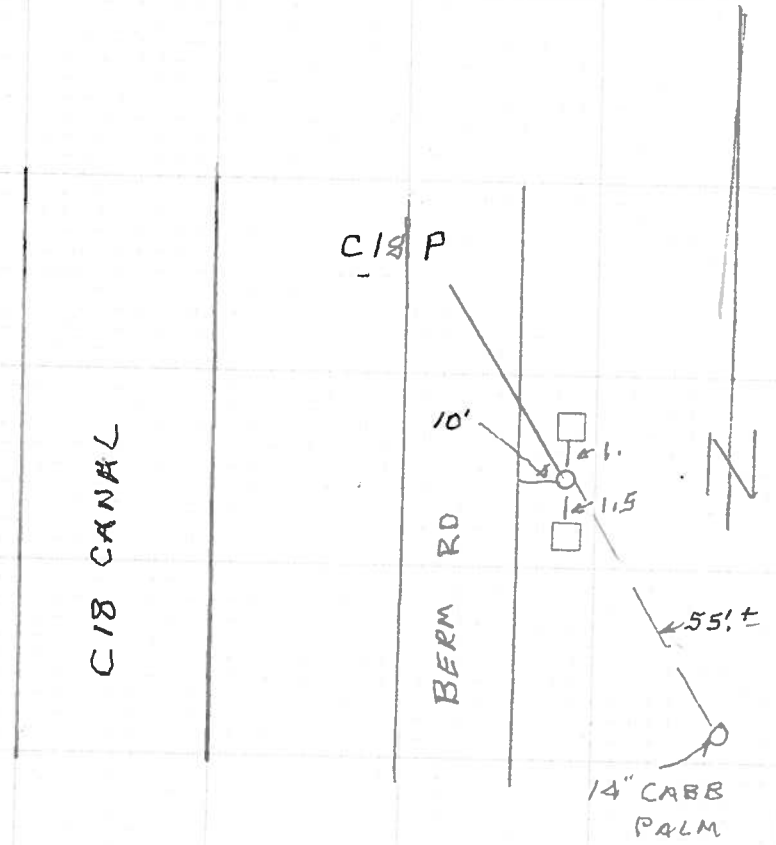
SFWMD
LOX SLOUGH
JOB 60/34.10
SETC LOCATE BMS
SEG 60/34.10 F

BM C18 P

TWEATHERMAN SFWMD BK 6 P. 19
M HIGGINS

4-29-2010
82
CLOUDY
CALM

BM C18 P



T
C
F
TOPCON
DL102 C
SN# UN0187

SFWMD
LOW SLOUGH
JOB 6013410
BENCH RUN
CONT'D FROM P-18
SEG L601341 'C'

T WEATHERMAN
M HIGGINS
SFWMD BRG P-20

4-30 2010
8:20
CLOUDY
0-5

BENCH RUN
SEG 601341 'D'

BM	POINT	NAME	DESC	Elev	BM Elev
G 160			STMD (SFWMD)	19.2665	19.295

BM	POINT	NAME	DESC	Elev	BM Elev
G 161			STMD		18.323
	CP1	PGA S	STMD		
Y547			STMD	18.291	18.26

TOPCON
GPT2002
FC2500

SFWMD
LOX SLUGH
JOB 6013410
TOPO
SEG 6013410G
(PROFILE PC10)

PPMS 9.9

①
T10
H: 5.67

BS LOX SLU1
H: 5.65

FS 30
H: 6.00

2000	CK/LOX SLU2	H: 0.10	V 0.015
2101	CK/30	H 0.96	V 0.13
2102			
2148	CK/LOX SLU2	H 0.100	V 0.005

RTK NETWORK LOCATE BMS & MONITORING WELLS
CORRECT BASE @ LOX SLU2

2059	CK/LOX SLU2	H: 0.004	V = 0.015
2060	MONW/EAST @ NW BERM		
2061	" WEST @ NW BERM		
2062	BM NW BERM		
2063			
2064	MONW/WEST NE BERM		
2065	" EAST NE BERM		
2066	BM/NE BERM		
2067	CK/SKY	H: 0.04	
2068	MONW/SOUTH N-S BERM		
2069	MONW/NORTH N-S BERM		
2070	BM/BERM NS		
2071	MONW/EAST MARSH N		
2072	MONW/WEST MARSH N		
2073	MONW/EAST MARSH S		

TWEATHERMAN SFWMD BKG P-21
M HIGGINS

5-03-2010
84°
CLEAR
05

SET ELEV'S ON
MONITORING WELLS @ NW BERM

NOTE ALL 'X' CUT ON SOUTH SIDE COLLAR

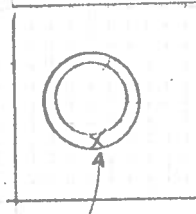
BM	+	H	-	Elev	BM ELEV
NW BERM	5.761	22.811			17.05
MONW/EAST	5.357	22.617	5.551	17.26	
NW BERM			5.565	17.052	17.05

MONITORING WELL WEST
@ NW BERM

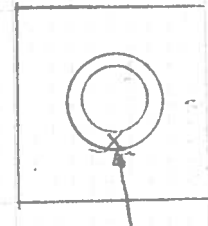
NW BERM	5.565	22.615			17.05
MONW/WEST	5.708	22.919	5.404	17.211	
NW BERM			5.574	17.045	17.05

NW BERM

MONITORING WELLS



EL: 17.211
WELL - WEST



EL: 17.26
EAST WELL



TOPCON
GR3
FC 2500
RTK NETWORK

SFWMD
LOY SLOUGH
JOB 60/34.10
LOCATE BM'S &
MONITORING WELLS

WELL EAST @ NE BERM
SET ELEV'S

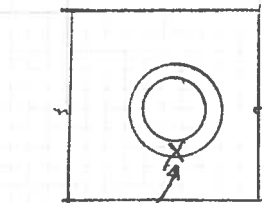
BM	+	HI	-	Elev	BM Elev
NE BERM	5.187	24.187			19.00
WELL EAST	4.763	23.862	5.108	19.079	
NE BERM			4.858	19.004	19.00

WELL WEST @ NE BERM

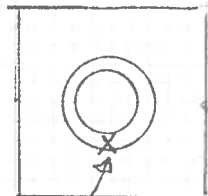
NE BERM	4.858	23.858			19.00
WELL WEST	4.982	24.168	4.672	19.186	
NE BERM			5.167	19.001	19.00

MONITORING WELLS
@ NE BERM

X' CUT ON SOUTH SIDE COLLAR



EL 19.079
WEST WELL



EL 19.186
EAST WELL



T WEATHERMAN SFWMD BK6 P-22
M HIGGINS

5-03-2010
84
CLEAR
05

MONITORING WELLS @
N-S BERM. SET ELEV'S
WELL SOUTH

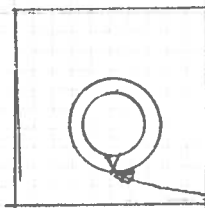
BM	+	HI	-	Elev	BM Elev
N-S BERM	3.758	23.013			19.255
WELL SOUTH	3.554	22.734	3.859	19.180	
N-S BERM			3.477	19.257	

WELL NORTH

N-S BERM	3.477	22.732			19.255
WELL NORTH	3.704	23.005	3.431	19.301	
N-S BERM			3.753	19.252	19.255

MONITORING WELLS @
N-S BERM

X' CUT ON SOUTH SIDE COLLAR



NORTH WELL
EL = 19.301



SOUTH WELL
EL = 19.18



TOPCON
GR3
FC 250D
RTK NETWORK

SFWMD
LOY SLOUGH
JOB 60134.10
LOCATE B.M.
MONITORING WELLS SET ELEV.
SEG 60134.10G

MONITORING WELLS @ MARSH N
EAST WELL

BM	+	H1	-	Elev	BM Elev
MARSH N	5.219	21.869			16.65
WELL EAST	4.746	21.645	4.970	16.899	
MARSH N			4.999	16.646	16.65

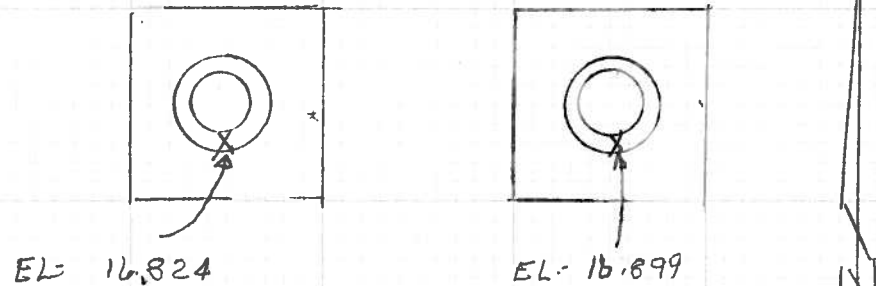
MONITORING WELL @ MARSH N
WEST WELL

MARSH N	4.999	21.649			16.65
WELL WEST	5.194	22.018	4.825	16.824	
MARSH N			5.368	16.65	16.65

MONITORING WELL @ MARSH N
X CUT ON SOUTH SIDE COLLAR

WEST WELL

EAST WELL



TWEATHERMAN
M. HIGGINS

SFWMD BKL P-23

5-03-2010
84
CLEAR
CALM

MONITORING WELLS @ MARSH S
EAST WELL

BM	+	H1	-	Elev	BM Elev
MARSH S	4.873	21.743			16.87
WELL EAST	5.132	22.015	4.860	16.889	
MARSH S			5.149	16.872	16.87

MONITORING WELL @ MARSH N
WEST WELL

MARSH S	5.149	22.013			16.87
WELL WEST	4.752	21.755	5.010	17.003	
MARSH S			4.887	16.868	16.87

MONITORING WELLS @ MARSH S

'X' CUT SOUTH SIDE COLLAR

WEST WELL

EAST WELL

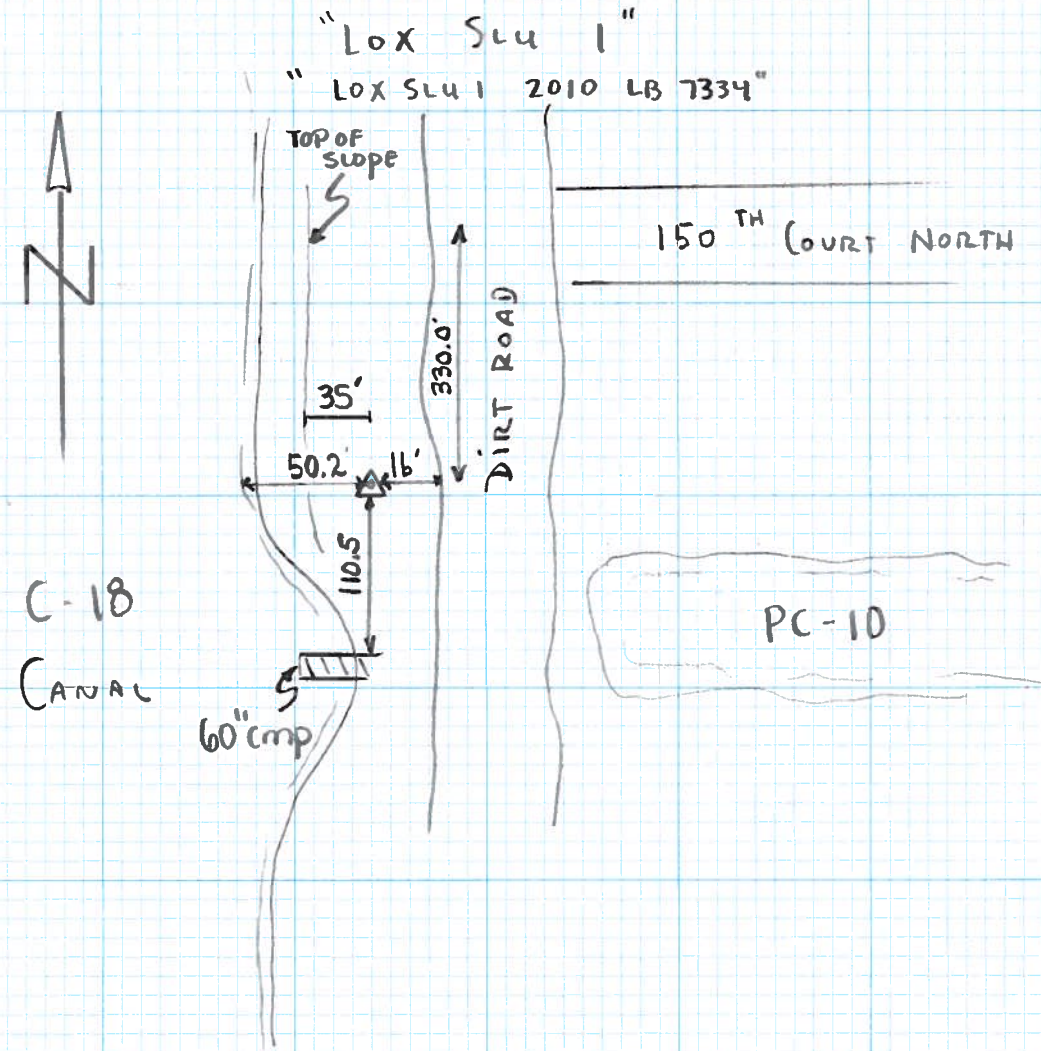


SFWMD
LOX SLOUGH
Job 60134.10

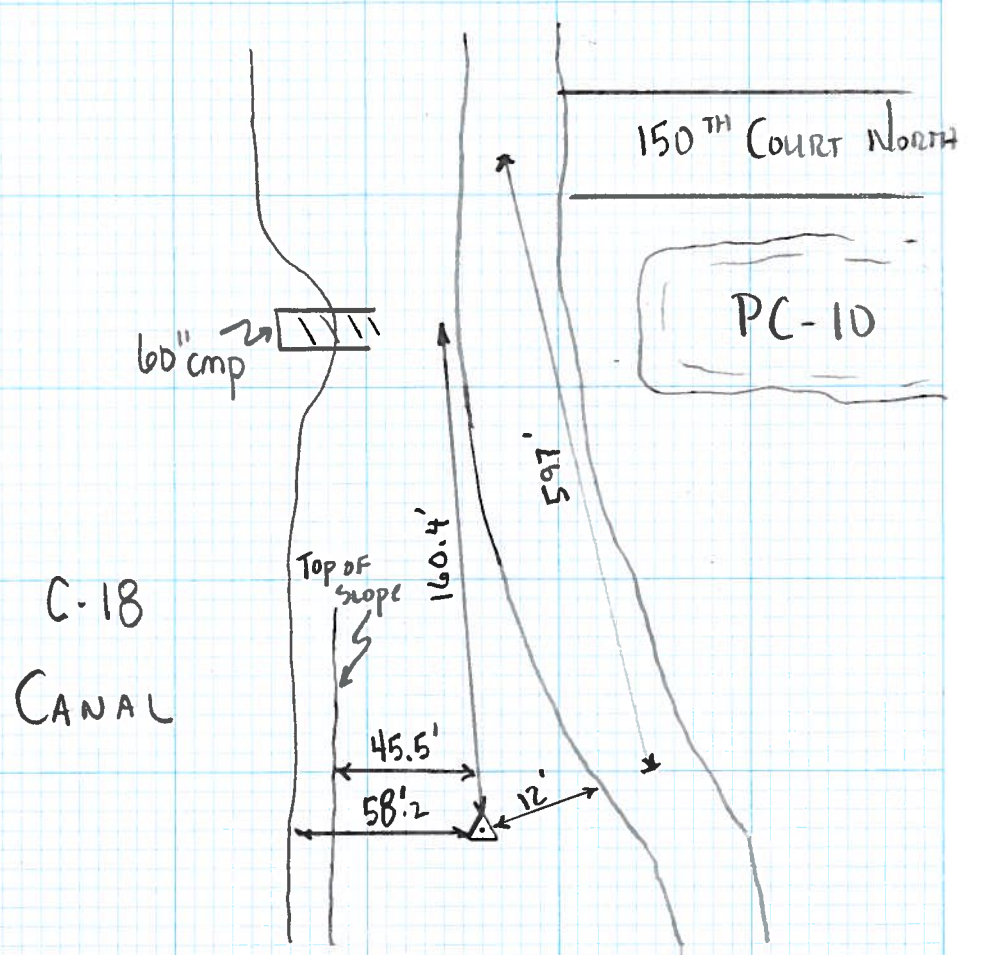
TIES TO SET Bm's
LOX SLU 1 & 2

SFWMD BK 6 Pg. 24

5-6-2010
90°
CLEAR
CALM



"LOX SLU 2"
"LOX SLU 2 2010 LB 7334"



TOPCON
GR3
FC2500 B

SFWMD
LOX SLOUGH
JOB 60134.10

LOCATE BMS & SET
ELEV'S @ MONITORING WELLS
SEG 60134.10'H'

BERM NW EAST

BM	+	H	-	ELEV	BM Elev
BERM NW	5.46	2402			1856
MONW EAST	5.29	23.73	5.58	18.44 ✓	
BERM NW			5.17	1856	1856 ✓

WEST WELL

BERM NW	5.17	23.73			18.56
MONW WEST	4.99	22.40	5.32	18.41 ✓	
BERM NW			4.84	1856	18.56 ✓

GND 18.7 PHOTO 1-2

PTS 1000-1002

BERM NE EAST

BERM NE	5.21	25.71			20.50
MONW EAST	5.32	25.47	5.56	20.15 ✓	
BERM NE			4.97	20.50	20.50 ✓

PHOTOS 5-6

WEST

BERM NE	5.26	25.76			20.50
MONW WEST	5.53	25.96	5.33	20.43 ✓	
BERM NE			5.46	20.50	20.50 ✓

GND 20.70

PTS 1003-1005

PHOTO 7-8

TWEATHERMAN
R. LOANE

SFWMD BKL P 25

6-4-2010
90
SUNNY

BERM NS
SOUTH WELL

BM	+	H	-	ELEV	BM Elev
BERM NS	4.80	2557			20.77
MWELL SOUTH	5.45	2589	5.13	20.44	
BERM NS			5.12	20.77	20.77 ✓

PTS 1006-1008

GND 20.9

PHOTOS 11-12

BERM N-S
NORTH

BERM N-S	4.94	25.71			20.77
MWELL NORTH	5.23	25.83	5.11	20.60 ✓	
BERM NS			5.06	20.77	20.77 ✓

PTS 1006-1008

GND 20.8

PHOTO 9-10

MARSH N WEST

MARSH N	5.08	23.23			18.15
MWELL WEST	4.84	22.97			
MARSH N			5.10	18.13 ✓	
			4.82	18.15	18.15 ✓

PHOTO 13-16

EAST

MARSH N	5.16	23.51			18.15
MWELL EAST	4.84	22.96	5.19	18.12 ✓	
MARSH N			4.81	18.15	18.15 ✓

TOPCON
GR3
FC 2500 B'

SFWMD
LOS SLOUGH
JOB 60134.10
LOCATE BMS &
Elevs MONITORING WELLS
SEG 60134.10 H'
MARSH S EAST WELL

BM	+	H.	-	ELEV	BM ELEV
MARSH S	5.57	23.95			18.38
WELL EAST	5.61	23.68	5.88	18.07 ✓	
MARSH S			5.30	18.38	18.38 ✓

PHOTOS 19-21

WEST WELL

MARSH S	5.16	23.54			18.38
WELL WEST	5.66	23.87	5.33	18.21 ✓	
MARSH H			5.49	18.38	18.38 ✓

PTS 1012-1014 PHOTOS 17-18
GND 18.4

TWEATHERMAN SFWMD BKG P. 26
R. LOANE
6-4-2010
90
SUNNY

BM	+	H.	-	ELEV	BM ELEV
PGA-N	5.74	22.87			17.13
WELL	5.47	22.63	5.71	17.16 ✓	
PGA N			5.50	17.13	17.13 ✓
				PTS 1015-1016 PHOTO 22-23 GND	17.13

TOPCON
GE3
FC250D B'
NETWORK

SFWM D
LOX SLOUGH
JOB 60134.10

TWEATHERMAN
M. HIGGINS

SFWM D BK6 P-27

6-9-2010
90°
CLEAR

LOCATE BM'S & SET ELEV'S
@ MONITORING WELLS
SEG 60134 16 T'
PGA S

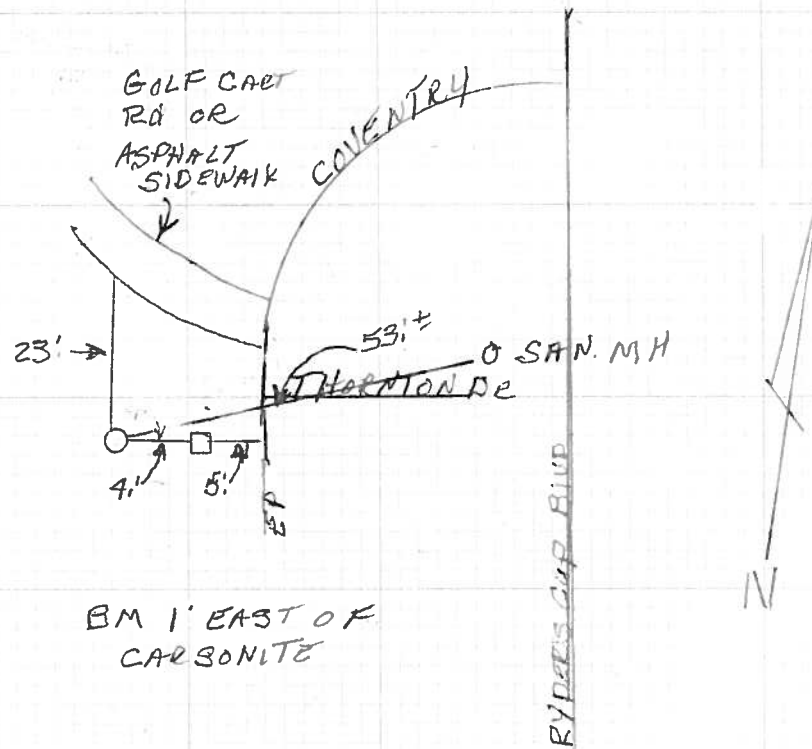
SKETCH PGA-S BM

BM	+	H.	-	ELEV	BM ELEV
PEA SOUTH	5.48	2269			17.21
MON. WELL	5.32	2241	5.60	17.09 ✓	17.21
			5.20	17.21	17.21 ✓

1020 - 1021 GND 17.4

PHOTO 1-3

48



TOPCON
GR3
FC 2500 B

SFWMD
LOX SLOUGH
JOB 60134.10
LOCATE BM'S & SET
ELEV'S MONITORING WELL
SEG 60134.10 J

C-18-P BM
MONW SOUTH

BM	+	HI	-	Elev	BM Elev
C-18-P	6.00	25.64			19.64
MONW S	5.81	25.36	6.09	19.55 ✓	
C18 P			5.72		19.64 ✓

MONW NORTH

C18 P	5.72	25.36			19.64
MONW N	6.03	25.56	5.83	19.53 ✓	
C-18 P			5.92		19.69 ✓

1022-1024 GND 19.8

PHOTO 3-11

1025 CK/6160 Elev 19.20 + 1.51 = 20.71

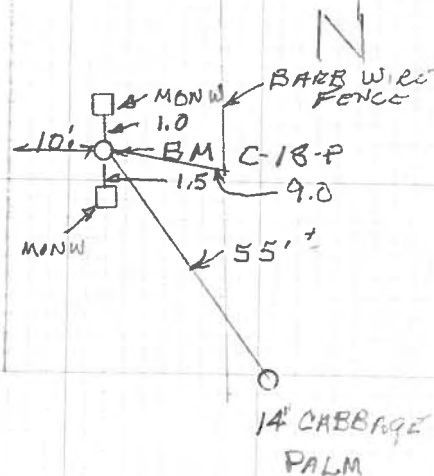
TWEATHERMAN SFWMD BK6 P-28
M HIGGINS

6-9-2010
90
CLEAR

C 18 P BM

C-18 CANAL

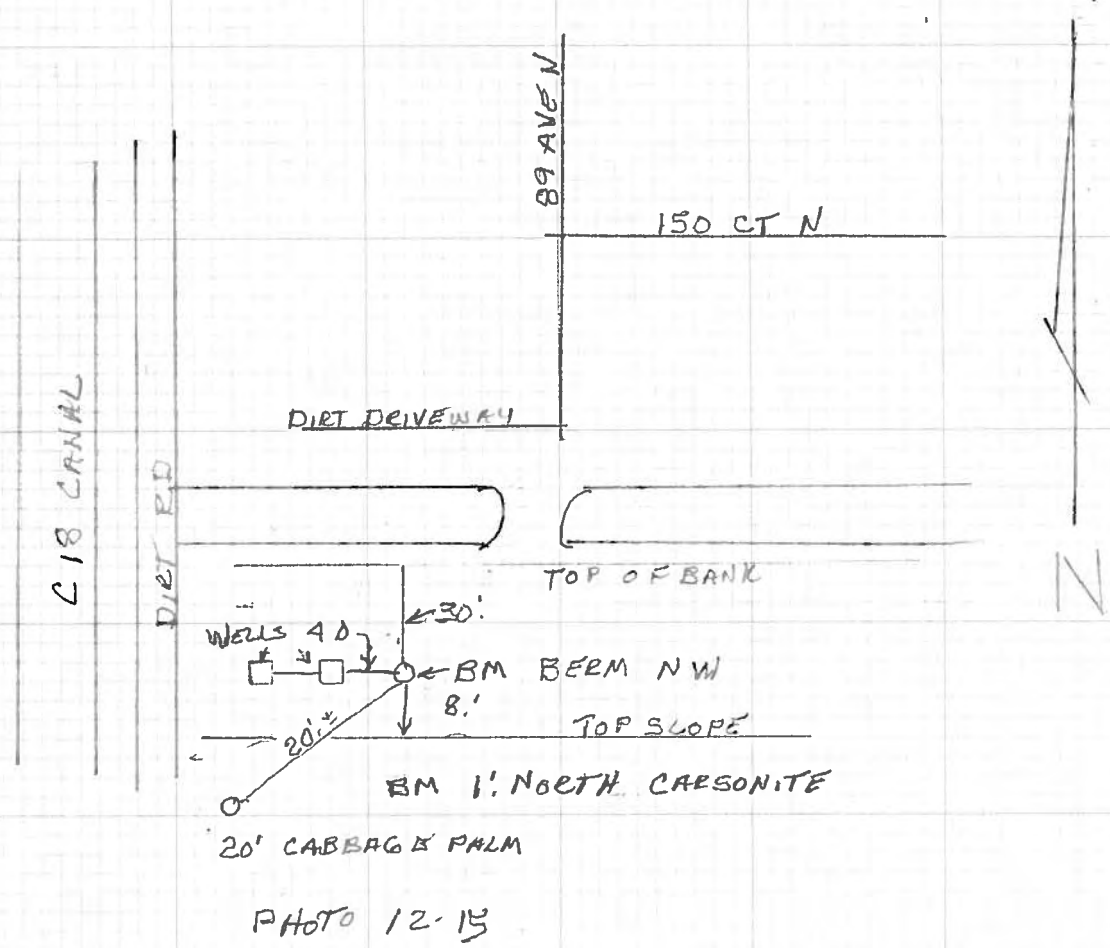
DIET ROAD



BM 1: EAST CARSONITE

SFWMD
LOX SLOUGH
JOB 60134.10

BERM NW BM
SKETCH

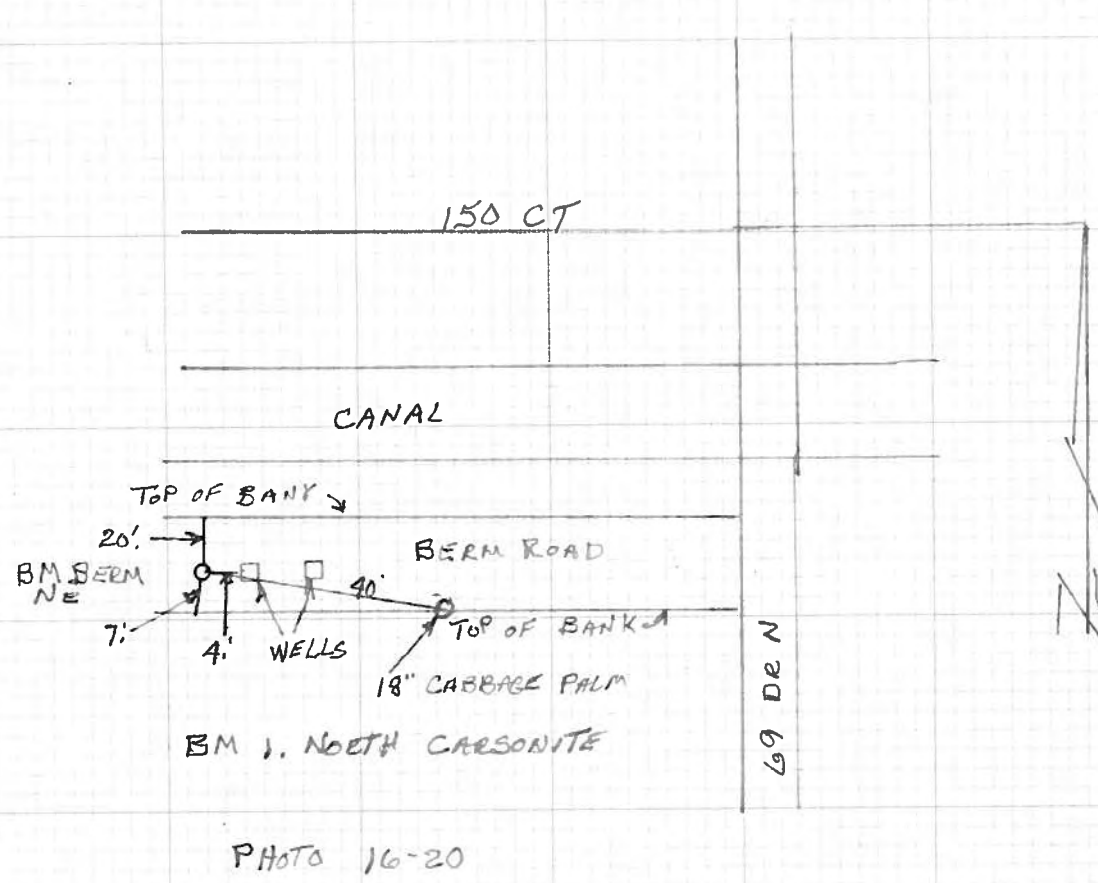


T WEATHERMAN
M HIGGINS

SFWMD BKG P-29

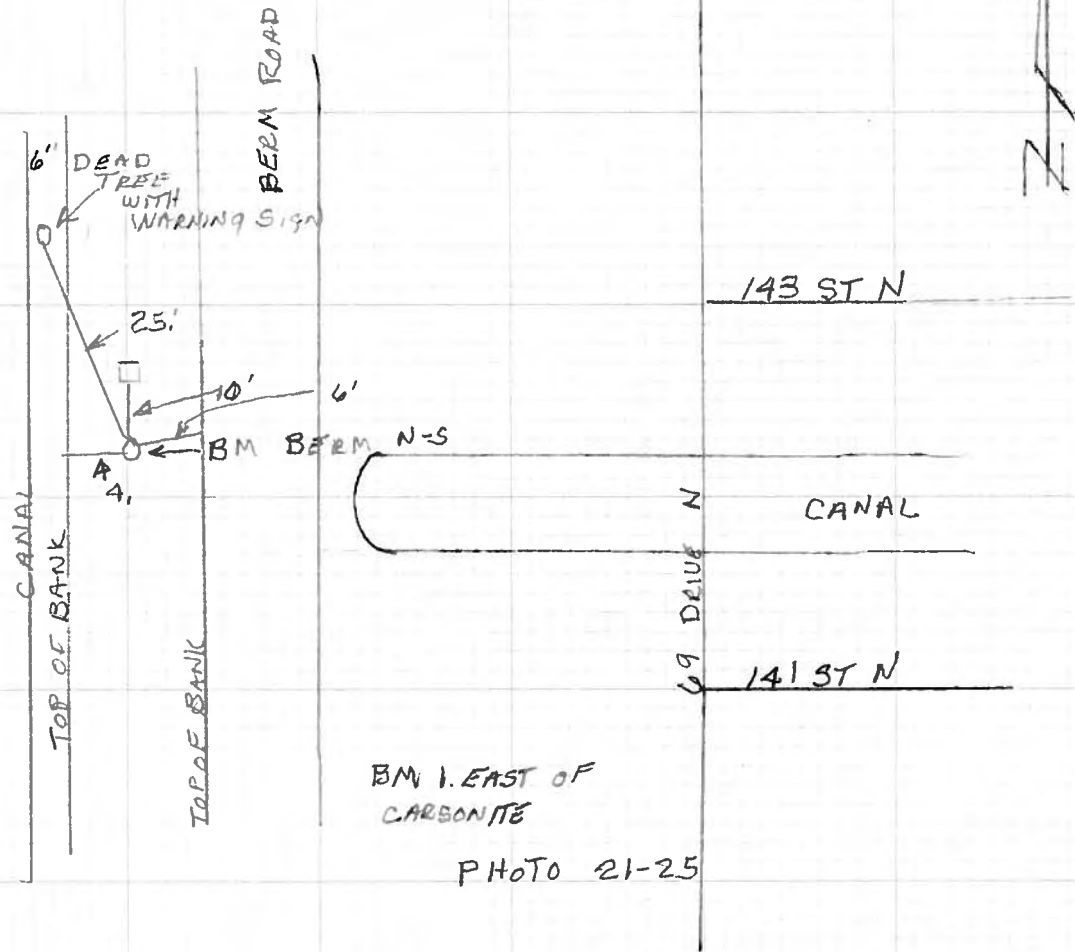
6-09-2010
90°
CLEAR

BERM N.E BM
SKETCH



SFWMD
LOX SLOUGH
JOB 60134.10

BERM N-S BM
SKETCH



TWEATHERMAN
M. HIGGINS

SFWMD BK6 P-30

6-09-2010
90
CLEAR

MARSH N BM
SKETCH

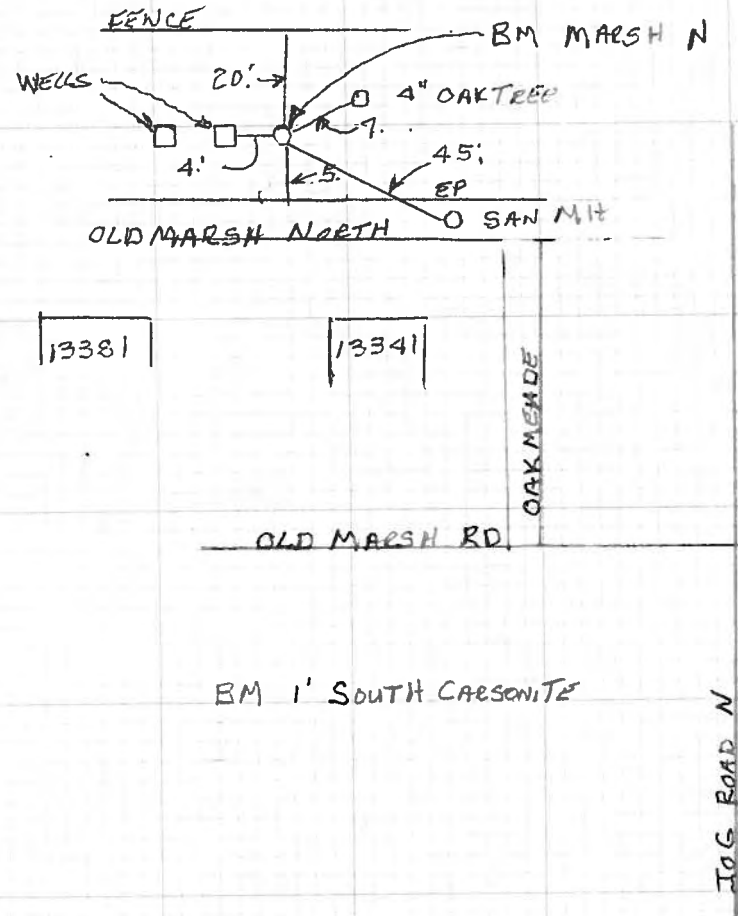
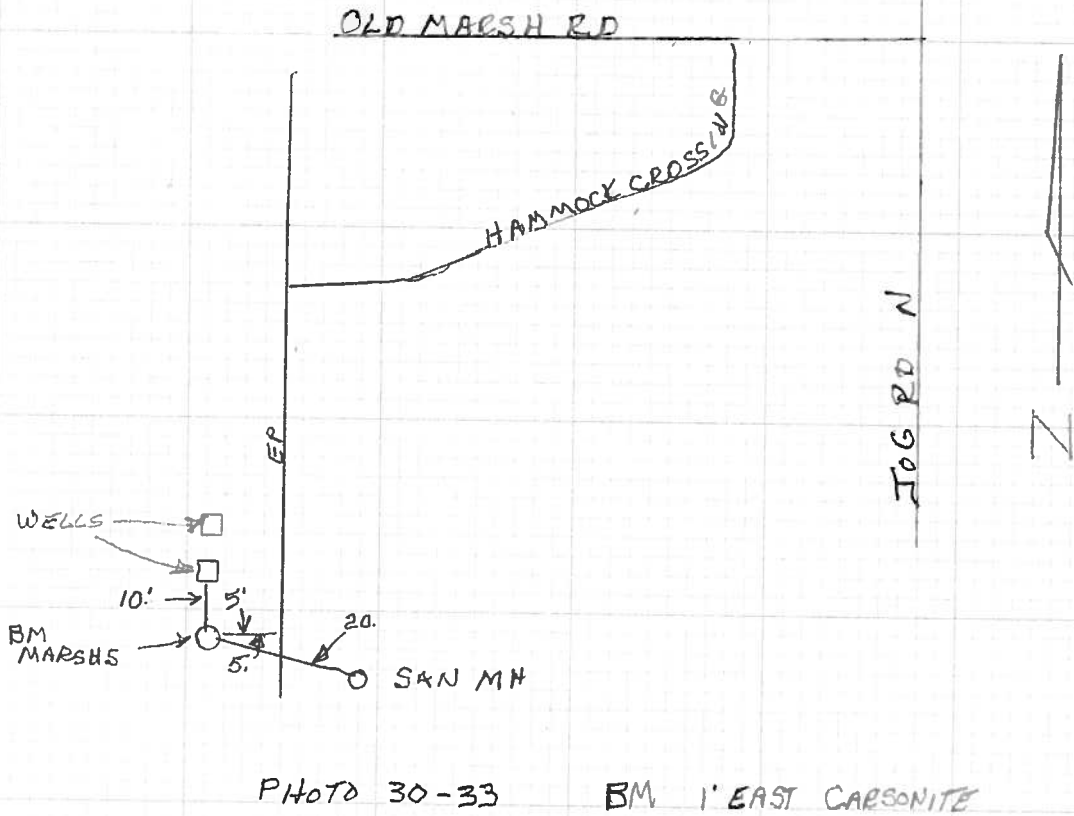


PHOTO 26-29

SFWMD
LOX SLOUGH
JOB 60134.10

MARSH'S BM
SKETCH



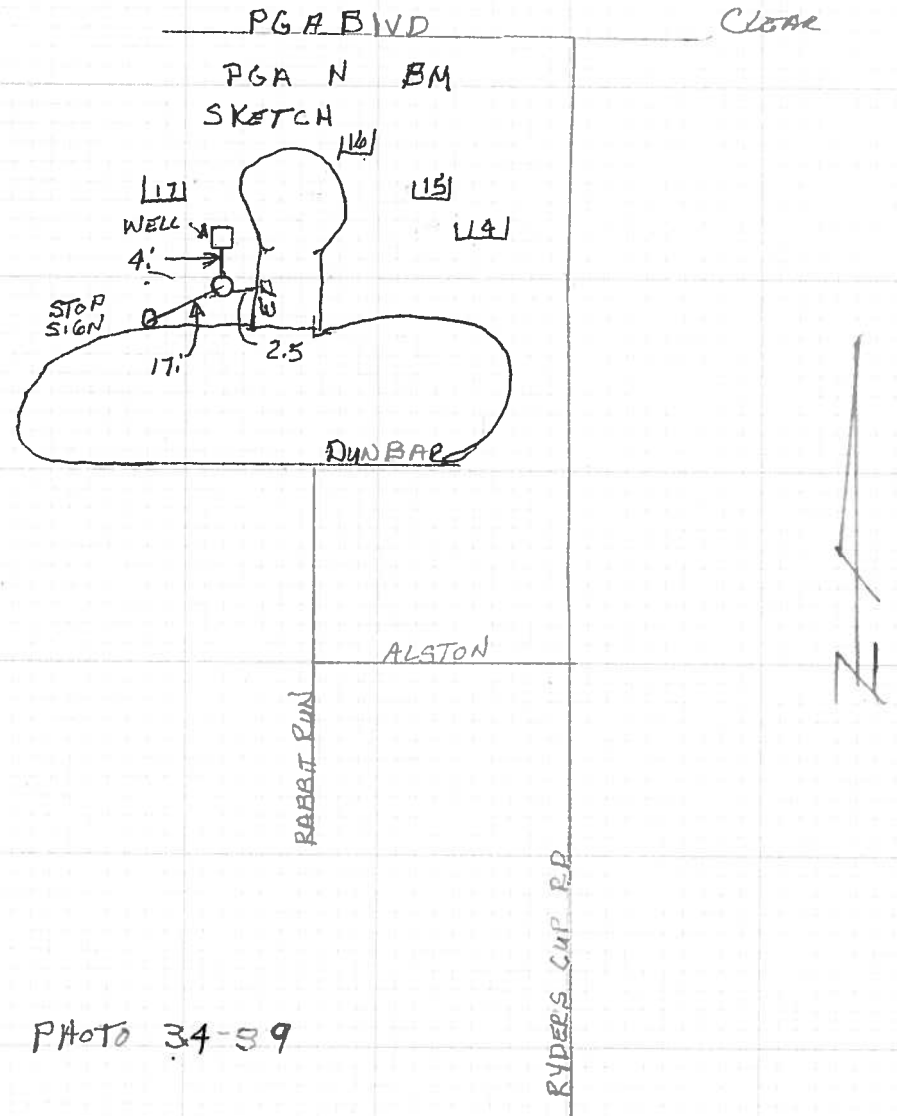
T WEATHERMAN
M HIGGINS

SFWMD BK6 P-31

6-09-2010

90

Clear



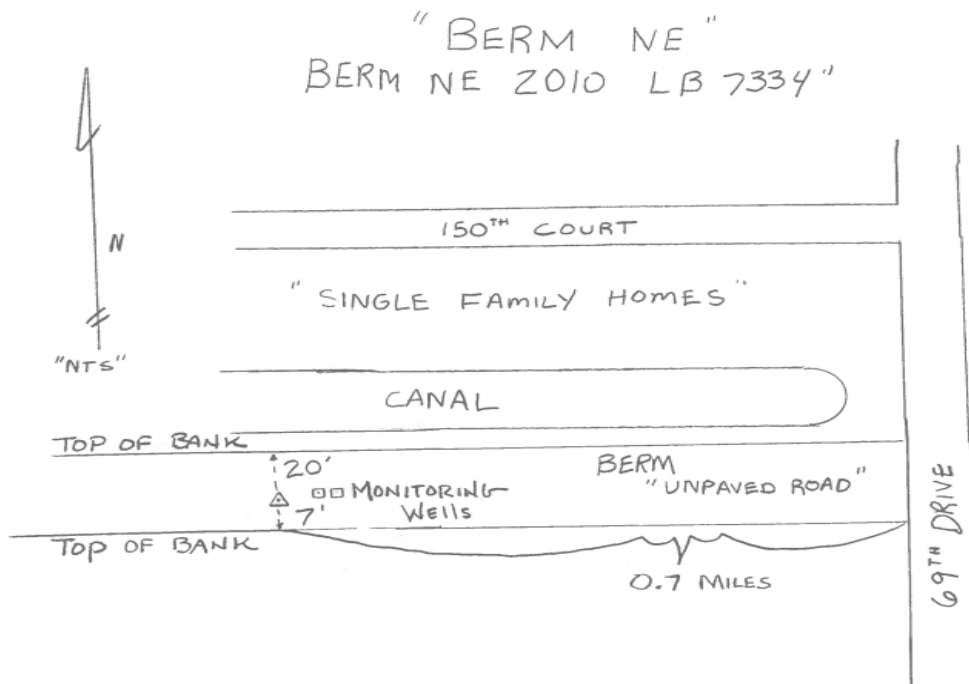


SOUTH FLORIDA WATER MANAGEMENT DISTRICT

COUNTY Palm Beach	PROJECT LOX SLOUGH	DESIGNATION BERM NE
SECTION 21	TOWNSHIP 41 SOUTH	RANGE 42 EAST
NAME OF QUADRANGLE _____		
Established by ERDMAN ANTHONY	Recovered by _____ (Surveyor / Firm Name)	
DATE 06/09/2010 (Established or Recovered)	FIELD BOOK EA SFWMD 6 PAGE 29	
HORIZONTAL DATUM: 1927 (1983) ADJ 99 Other 2007(circle one) ZONE (E) or W		
STATE PLANE COORDINATES	N 932566.05 ft	E 931916.27 ft
LATITUDE: N 26°53'48.35247"	LONGITUDE: W 80°09'14.19728"	
VERTICAL DATUM: MSL 1929 (1988) Other _____ (circle one)	EL. 18.99 ft	
VERTICAL DATUM: MSL (1929) 1988 Other _____ (circle one)	EL. 20.50 ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 (SUB-METER) (circle one) VERTICAL 1 2 (3)		

DESCRIPTION

To Reach: THE STATION IS LOCATED ABOUT 4.5 MILES SOUTHWEST OF JUPITER, IN SECTION 21, TOWNSHIP 41 SOUTH, RANGE 42 EAST. TO REACH THE STATION FROM THE INTERSECTION OF DONALD ROSS AND INTERSTATE 95, GO WEST ON DONALD ROSS FOR 0.9 MILES TO 69TH DRIVE. TURN RIGHT AND GO NORTH ON 69TH FOR 1.0 MILES TO A BERM ROAD. TURN LEFT AND GO WEST ON THE BERM ROAD FOR 0.7 MILES. THE STATION CAN BE FOUND 7.0' NORTH OF THE SOUTH TOP OF BANK, 20' SOUTH OF THE NORTH TOP OF BANK, 4' WEST OF MONITORING WELLS. THE STATION SET IS A SOUTH FLORIDA WATER MANAGEMENT DISK SET IN CONCRETE STAMPED "BERM NE, LB 7334 AND 2010"
 NGS Benchmarks Used: SKY & JUPITER FARMS





SOUTH FLORIDA WATER MANAGEMENT DISTRICT





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

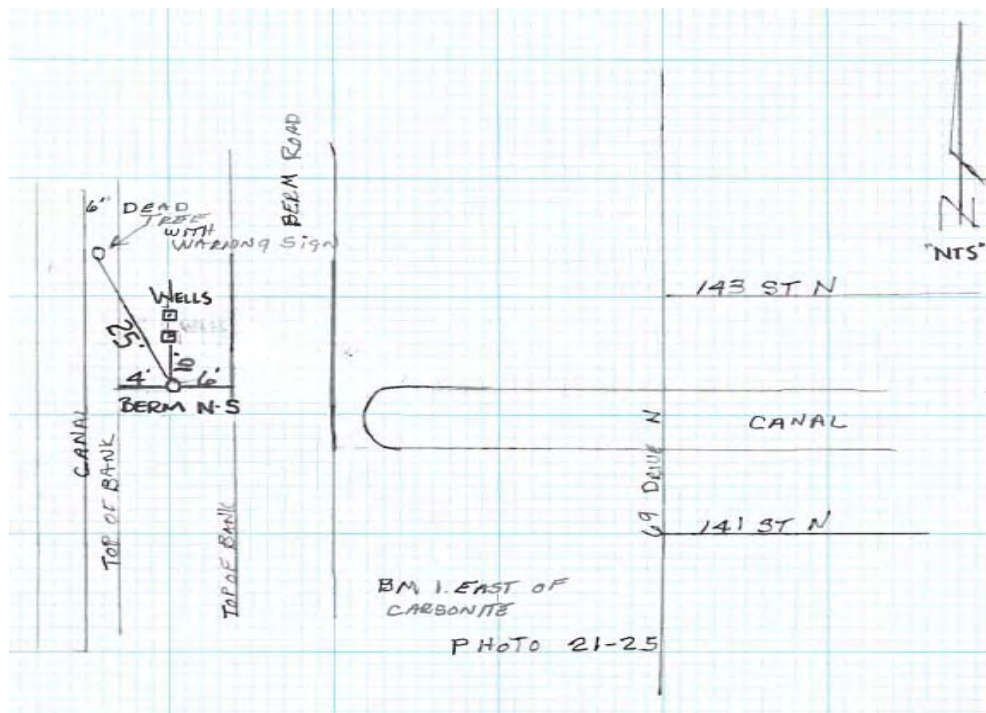
Rev. 4/08

COUNTY	Palm Beach	PROJECT	LOX SLOUGH	DESIGNATION	BERM NS
SECTION	21	TOWNSHIP	41 SOUTH	RANGE	42 EAST
NAME OF QUADRANGLE _____					
Established by			ERDMAN ANTHONY	Recovered by _____ (Surveyor / Firm Name)	
DATE			06/09/2010 (Established or Recovered)	FIELD BOOK EA SFWMD 6 PAGE 30	
HORIZONTAL DATUM: 1927 (1983) ADJ 99 Other 2007(circle one) ZONE (E) or W					
STATE PLANE COORDINATES			N 928462.23 ft		E 935161.95 ft
LATITUDE: N 26°53'07.49808"			LONGITUDE: W 80°08'38.65648"		
VERTICAL DATUM: MSL 1929 (1988) Other _____ (circle one)				EL. 19.26 ft	
VERTICAL DATUM: MSL (1929) 1988 Other _____ (circle one)				EL. 20.77 ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 (SUB-METER) (circle one) VERTICAL 1 2 (3)					

DESCRIPTION

To Reach: THE STATION IS LOCATED ABOUT 4.5 MILES SOUTHWEST OF JUPITER, IN SECTION 21, TOWNSHIP 41 SOUTH, RANGE 42 EAST. TO REACH THE STATION FROM THE INTERSECTION OF DONALD ROSS AND INTERSTATE 95, TURN LEFT ON DONALD ROSS AND HEAD WEST FOR 1.0 MILES TO 69TH DRIVE. TURN RIGHT ON 69TH DRIVE AND HEAD NORTH FOR 0.25 MILES TO CANAL RUNNING EAST AND WEST. TURN LEFT AND HEAD WEST 262'. THE STATION CAN BE FOUND 4' EAST OF THE WEST TOP OF BANK, 6' WEST OF THE EAST TOP OF BANK, 262' WEST OF THE WEST EDGE OF PAVEMENT ON 69TH DRIVE. THE STATION SET IS A SOUTH FLORIDA WATER MANAGEMENT DISK SET IN CONCRETE STAMPED "BERM NS, LB 7334 AND 2010".

NGS BENCHMARKS USED: SKY AND JUPITER FARMS





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08

COUNTY	Palm Beach	PROJECT	LOX SLOUGH	DESIGNATION	BERM NW
SECTION	20	TOWNSHIP	41 SOUTH	RANGE	42 EAST
NAME OF QUADRANGLE _____					
Established by			ERDMAN ANTHONY	Recovered by _____ (Surveyor / Firm Name)	
DATE			04/28/2010 (Established or Recovered)	FIELD BOOK EA SFWMD 6 PAGE 17	
HORIZONTAL DATUM: 1927 (1983) ADJ 99 Other 2007(circle one) ZONE (E) or W					
STATE PLANE COORDINATES			N 932580.09 ft	E 925003.90 ft	
LATITUDE: N 26°53'48.94306"			LONGITUDE: W 80°10'30.54066"		
VERTICAL DATUM: MSL 1929 (1988) Other _____ (circle one)				EL. 17.05 ft	
VERTICAL DATUM: MSL (1929) 1988 Other _____ (circle one)				EL. 18.56 ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 (SUB-METER) (circle one) VERTICAL 1 2 (3)					
DESCRIPTION					
<p>To Reach: THE STATION IS LOCATED ABOUT 5.5 MILES SOUTHWEST OF JUPITER, IN SECTION 33, TOWNSHIP 41 SOUTH, RANGE 42 EAST. TO REACH THE STATION FROM THE INTERSECTION OF DONALD ROSS AND INTERSTATE 95, GO WEST ON DONALD ROSS FOR 0.9 MILES TO JOG ROAD. TURN LEFT AND GO SOUTH ON JOG ROAD FOR 1.0 MILES TO OLD MARSH ROAD. TURN RIGHT AND GO WEST ON OLD MARSH ROAD FOR 1.3 MILES TO HAMMOCK CROSSING. TURN LEFT AND GO SOUTH 787.0' ON HAMMOCK CROSSING. THE STATION CAN BE FOUND 6.0' WEST OF THE WEST EDGE OF PAVEMENT, 10' SOUTH OF THE SOUTH EDGE OF MONITORING WELL, 25' NORTHWEST OF A SANITARY MANHOLE. THE STATION SET IS A SOUTH FLORIDA WATER MANAGEMENT DISK SET IN CONCRETE STAMPED "MARSH S, LB 7334 AND 2010".</p>					
<p>NGS Benchmarks Used: SKY & JUPITER FARMS</p> <p>"BERM NW"</p> <p>"BERM NW 2010 LB 7334"</p>					



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

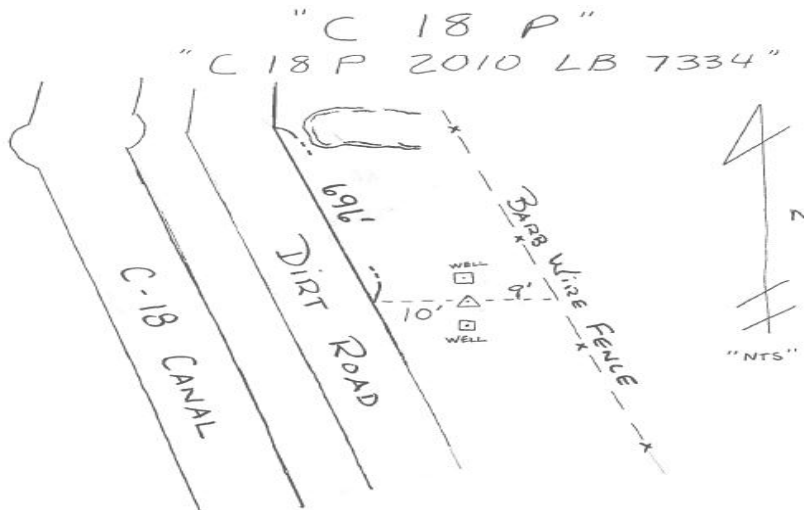
Rev. 4/08

COUNTY	Palm Beach	PROJECT	LOX SLOUGH	DESIGNATION	C 18 P
SECTION	32	TOWNSHIP	41 SOUTH	RANGE	42 EAST
NAME OF QUADRANGLE _____					
Established by			ERDMAN ANTHONY	Recovered by _____ (Surveyor / Firm Name)	
DATE			06/09/2010 (Established or Recovered)	FIELD BOOK EA SFWMD 6 PAGE 28	
HORIZONTAL DATUM: 1927 (1983) ADJ 99 Other 2007(circle one) ZONE (E) or W					
STATE PLANE COORDINATES			N 921737.11 ft	E 924721.71 ft	
LATITUDE: N 26°52'01.58676"			LONGITUDE: W 80°10'34.43592"		
VERTICAL DATUM: MSL 1929 (1988) Other _____ (circle one)				EL. 18.13 ft	
VERTICAL DATUM: MSL (1929) 1988 Other _____ (circle one)				EL. 19.64 ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 (SUB-METER) (circle one) VERTICAL 1 2 (3)					

DESCRIPTION

To Reach: THE STATION IS LOCATED ABOUT 6.8 MILES SOUTHWEST OF JUPITER, IN SECTION 32, TOWNSHIP 41 SOUTH, RANGE 42 EAST. TO REACH THE STATION FROM THE INTERSECTION OF PGA BLVD. AND THE FLORIDA TURNPIKE, GO WEST ON PGA BLVD. FOR 2.2 MILES TO A DIRT ROAD, TURN RIGHT AND TRAVEL NORTH UP THE EAST SIDE OF THE C-18 CANAL FOR 2 MILES WHERE THE POINT CAN BE FOUND 10' EAST OF THE EAST EDGE OF DIRT ROAD, 9' WEST OF A BARB WIRE FENCE AND 696' SOUTH OF AN ANGLE POINT IN THE DIRT ROAD. THE POINT SET IS A SOUTH FLORIDA WATER MANAGEMENT DISK SET IN CONCRETE STAMPED "C 18 P, LB 7334 AND 2010".

NGS Benchmarks Used: SKY & JUPITER FARMS





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

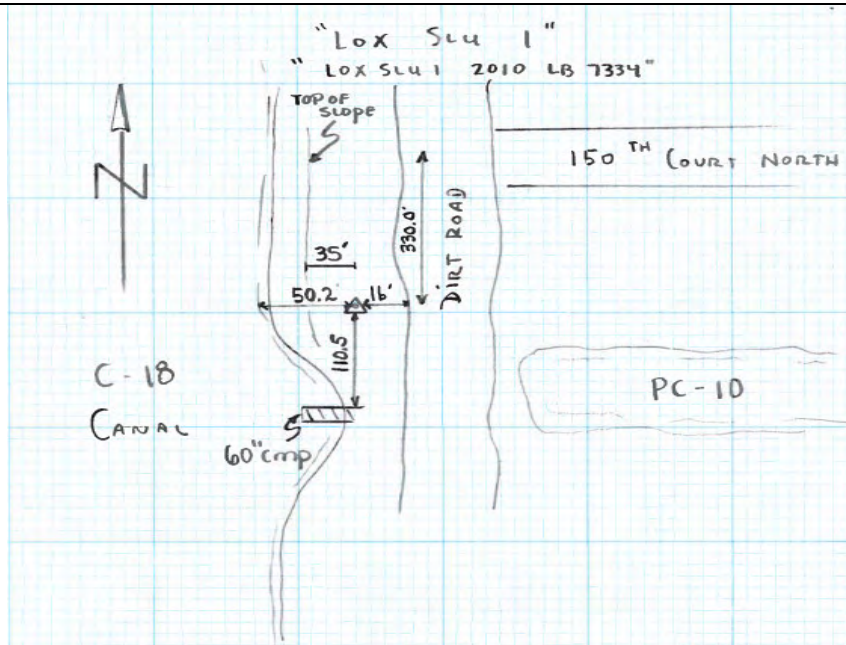
Rev. 4/08

COUNTY	Palm Beach	PROJECT	PC-10	DESIGNATION	Lox Slu 1
SECTION	20	TOWNSHIP	41 SOUTH	RANGE	42 EAST
NAME OF QUADRANGLE _____					
Established by			ERDMAN ANTHONY	Recovered by _____ (Surveyor / Firm Name)	
DATE			04/13/2010 (Established or Recovered)	FIELD BOOK EA SFWMD 6 PAGE 24	
HORIZONTAL DATUM: 1927 (1983) ADJ 99 Other 2007(circle one) ZONE (E) or W					
STATE PLANE COORDINATES			N 932716.10 ft	E 924835.71 ft	
LATITUDE: N 26°53'50.30077"			LONGITUDE: W 80°10'32.38848"		
VERTICAL DATUM: MSL 1929 (1988) Other _____ (circle one)				EL. 19.85 ft	
VERTICAL DATUM: MSL (1929) 1988 Other _____ (circle one)				EL. 21.36 ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 (SUB-METER) (circle one) VERTICAL 1 2 (3)					

DESCRIPTION

To Reach: THE STATION IS LOCATED ABOUT 5.5 MILES SOUTHWEST OF JUPITER, IN SECTION 20, TOWNSHIP 41 SOUTH, RANGE 42 EAST. TO REACH THE STATION FROM THE INTERSECTION OF DONALD ROSS ROAD AND INTERSTATE 95, GO WEST ON DONALD ROSS ROAD FOR 0.8 MILES TO NORTH 69TH DRIVE. TURN RIGHT AND GO NORTH ON 69TH DRIVE FOR 1.0 MILES TO 150TH COURT NORTH. TURN LEFT AND GO WEST ON 150TH COURT NORTH FOR 2.0 MILES TO A DIRT ROAD RUNNING NORTH-SOUTH ALONG THE EAST SIDE OF THE C-18 CANAL. TURN LEFT AND GO SOUTH 330.0' ON THE DIRT ROAD. THE STATION CAN BE FOUND 16.0' WEST OF THE WEST EDGE OF DIRT ROAD, 50.2' EAST OF THE EAST EDGE OF WATER OF THE C-18 CANAL, 110.5' NORTH OF A 60" CORRUGATED METAL PIPE SERVICING THE C-18 CANAL. THE STATION SET IS A SOUTH FLORIDA WATER MANAGEMENT DISK SET IN CONCRETE STAMPED "LOX SLU 1, LB 7334 AND 2010".

NGS Benchmarks Used: SKY & JUPITER FARMS





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

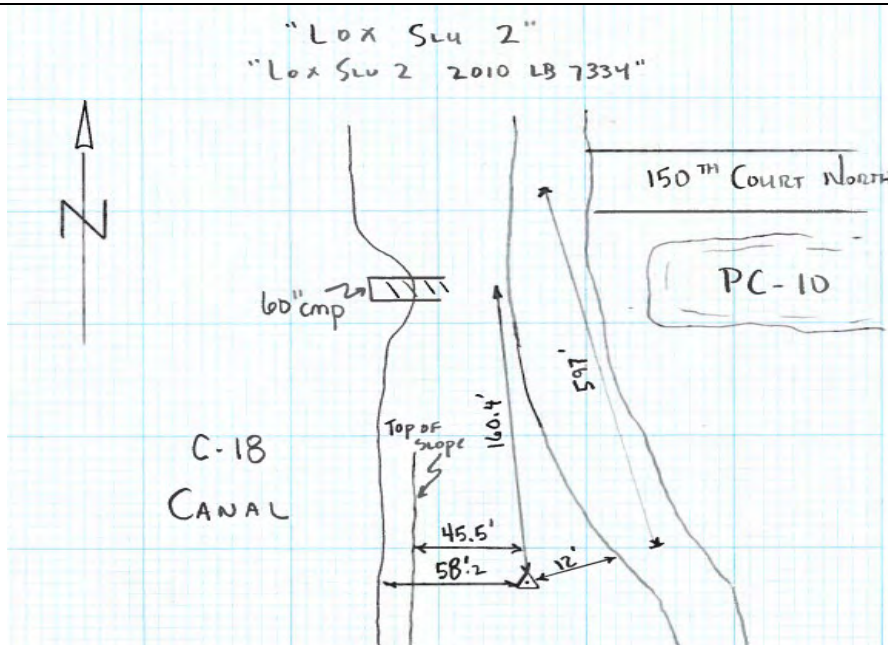
Rev. 4/08

COUNTY Palm Beach	PROJECT PC-10	DESIGNATION Lox Slu 2
SECTION 20	TOWNSHIP 41 SOUTH	RANGE 42 EAST
NAME OF QUADRANGLE _____		
Established by ERDMAN ANTHONY	Recovered by _____ (Surveyor / Firm Name)	
DATE 04/13/2010 (Established or Recovered)	FIELD BOOK EA SFWMD 6 PAGE 24	
HORIZONTAL DATUM: 1927 1983 ADJ 99 Other <u>2007</u> (circle one)	ZONE E or W	
STATE PLANE COORDINATES	N 932448.83 ft	E 924837.54 ft
LATITUDE: N 26°53'47.65397"	LONGITUDE: W 80°10'32.38748"	
VERTICAL DATUM: MSL 1929 1988 Other _____ (circle one)	EL. 20.10 ft	
VERTICAL DATUM: MSL 1929 1988 Other _____ (circle one)	EL. 21.61 ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 SUB-METER (circle one) VERTICAL 1 2 3		

DESCRIPTION

To Reach: THE STATION IS LOCATED ABOUT 5.5 MILES SOUTHWEST OF JUPITER, IN SECTION 20, TOWNSHIP 41 SOUTH, RANGE 42 EAST. TO REACH THE STATION FROM THE INTERSECTION OF DONALD ROSS ROAD AND INTERSTATE 95, GO WEST ON DONALD ROSS ROAD FOR 0.8 MILES TO NORTH 69TH DRIVE. TURN RIGHT AND GO NORTH ON 69TH DRIVE FOR 1.0 MILES TO 150TH COURT NORTH. TURN LEFT AND GO WEST ON 150TH COURT NORTH FOR 2.0 MILES TO A DIRT ROAD RUNNING NORTH-SOUTH ALONG THE EAST SIDE OF THE C-18 CANAL. TURN LEFT AND GO SOUTH 597.0' ON THE DIRT ROAD. THE STATION CAN BE FOUND 12.0' WEST OF THE WEST EDGE OF DIRT ROAD, 58.2' EAST OF THE EAST EDGE OF WATER OF THE C-18 CANAL, 160.4' SOUTH OF A 60" CORRUGATED METAL PIPE SERVICING THE C-18 CANAL. THE STATION SET IS A SOUTH FLORIDA WATER MANAGEMENT DISK SET IN CONCRETE STAMPED "LOX SLU 2, LB 7334 AND 2010".

NGS Benchmarks Used: SKY & JUPITER FARMS





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08

COUNTY Palm Beach	PROJECT LOX SLOUGH	DESIGNATION MARSH N
SECTION 28	TOWNSHIP 41 SOUTH	RANGE 42 EAST
NAME OF QUADRANGLE _____		
Established by ERDMAN ANTHONY	Recovered by _____ (Surveyor / Firm Name)	
DATE 06/09/2010 (Established or Recovered)	FIELD BOOK EA SFWMD 6 PAGE 30	
HORIZONTAL DATUM: 1927 (1983) ADJ 99 Other 2007(circle one) ZONE (E) or W		
STATE PLANE COORDINATES	N 924924.17 ft	E 932473.72 ft
LATITUDE: N 26°52'32.64101"	LONGITUDE: W 80°09'08.60517"	
VERTICAL DATUM: MSL 1929 (1988) Other _____ (circle one)	EL. 16.64 ft	
VERTICAL DATUM: MSL (1929) 1988 Other _____ (circle one)	EL. 18.15 ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 (SUB-METER) (circle one) VERTICAL 1 2 (3)		

DESCRIPTION

To Reach: THE STATION IS LOCATED ABOUT 5.4 MILES SOUTHWEST OF JUPITER, IN SECTION 28, TOWNSHIP 41 SOUTH, RANGE 42 EAST. TO REACH THE STATION FROM THE INTERSECTION OF DONALD ROSS AND INTERSTATE 95, GO WEST ON DONALD ROSS FOR 0.9 MILES TO JOG ROAD. TURN LEFT AND GO SOUTH ON JOG ROAD FOR 1.0 MILES TO OLD MARSH ROAD. TURN RIGHT AND GO WEST ON OLD MARSH ROAD FOR 0.5 MILES TO OAKMEADE. TURN RIGHT AND GO NORTH 0.5 MILES ON OAKMEADE. THE STATION CAN BE FOUND 5.0' NORTH OF THE NORTH EDGE OF PAVEMENT, 20' SOUTH OF THE FENCE, 45' NORTHWEST OF A SANITARY MANHOLE. THE STATION SET IS A SOUTH FLORIDA WATER MANAGEMENT DISK SET IN CONCRETE STAMPED "MARSH N, LB 7334 AND 2010".

NGS Benchmarks Used: SKY & JUPITER FARMS





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

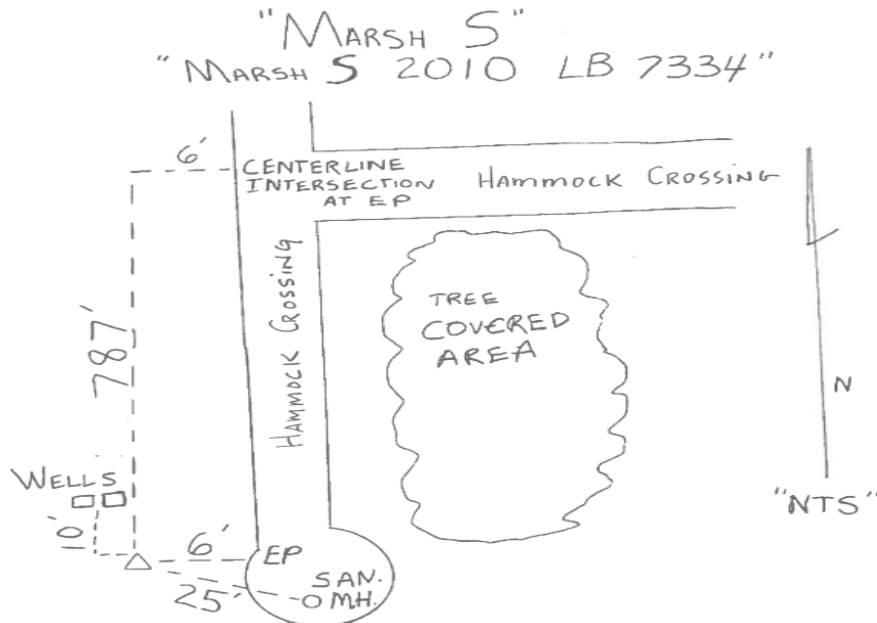
Rev. 4/08

COUNTY Palm Beach	PROJECT LOX SLOUGH	DESIGNATION MARSH S
SECTION 33	TOWNSHIP 41 SOUTH	RANGE 42 EAST
NAME OF QUADRANGLE _____		
Established by ERDMAN ANTHONY	Recovered by _____ (Surveyor / Firm Name)	
DATE 04/28/2010 (Established or Recovered)	FIELD BOOK EA SFWMD 6 PAGE 17	
HORIZONTAL DATUM: 1927 (1983) ADJ 99 Other 2007(circle one) ZONE (E) or W		
STATE PLANE COORDINATES	N 921750.07 ft	E 929744.18 ft
LATITUDE: N 26°52'01.38889"	LONGITUDE: W 80°09'38.97826"	
VERTICAL DATUM: MSL 1929 (1988) Other _____ (circle one)	EL. 16.87 ft	
VERTICAL DATUM: MSL (1929) 1988 Other _____ (circle one)	EL. 18.38 ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 (SUB-METER) (circle one) VERTICAL 1 2 (3)		

DESCRIPTION

To Reach: THE STATION IS LOCATED ABOUT 6.2 MILES SOUTHWEST OF JUPITER, IN SECTION 33, TOWNSHIP 41 SOUTH, RANGE 42 EAST. TO REACH THE STATION FROM THE INTERSECTION OF DONALD ROSS AND INTERSTATE 95, GO WEST ON DONALD ROSS FOR 0.9 MILES TO JOG ROAD. TURN LEFT AND GO SOUTH ON JOG ROAD FOR 1.0 MILES TO OLD MARSH ROAD. TURN RIGHT AND GO WEST ON OLD MARSH ROAD FOR 1.3 MILES TO HAMMOCK CROSSING. TURN LEFT AND GO SOUTH 0.26 MILES ON HAMMOCK CROSSING. TURN LEFT AND CONTINUE SOUTH FOR 787'. THE STATION CAN BE FOUND 6.0' WEST OF THE WEST EDGE OF PAVEMENT, 10' SOUTH OF THE EAST MONITORING WELL, 25' NORTHWEST OF A SANITARY MANHOLE. THE STATION SET IS A SOUTH FLORIDA WATER MANAGEMENT DISK SET IN CONCRETE STAMPED "MARSH S, LB 7334 AND 2010".

NGS Benchmarks Used: SKY & JUPITER FARMS





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08

COUNTY Palm Beach	PROJECT LOX SLOUGH	DESIGNATION PGA N
SECTION 9	TOWNSHIP 42 SOUTH	RANGE 42 EAST
NAME OF QUADRANGLE _____		
Established by ERDMAN ANTHONY	Recovered by _____ (Surveyor / Firm Name)	
DATE 04/20/2010 (Established or Recovered)	FIELD BOOK EA SFWMD 6 PAGE 9	
HORIZONTAL DATUM: 1927 (1983) ADJ 99 Other 2007(circle one) ZONE (E) or W		
STATE PLANE COORDINATES	N 911570.40 ft	E 929521.33 ft
LATITUDE: N 26°50'20.59750"	LONGITUDE: W 80°09'42.18179"	
VERTICAL DATUM: MSL 1929 (1988) Other _____ (circle one)	EL. 15.62 ft	
VERTICAL DATUM: MSL (1929) 1988 Other _____ (circle one)	EL. 17.13 ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 (SUB-METER) (circle one) VERTICAL 1 2 (3)		

DESCRIPTION

To Reach: THE STATION IS LOCATED ABOUT 1.8 MILES NORTHWEST OF PALM BEACH GARDENS, IN SECTION 9, TOWNSHIP 42 SOUTH, RANGE 42 EAST. TO REACH THE STATION FROM THE INTERSECTION OF PGA BLVD AND INTERSTATE 95, GO WEST ON PGA BLVD FOR 3.0 MILES TO RYDER CUP BLVD. TURN LEFT AND GO SOUTH ON RYDER CUP BLVD. FOR 0.4 MILES TO ALSTON ROAD. TURN RIGHT AND GO WEST ON ALSTON ROAD FOR 0.2 MILES TO RABBITS RUN. TURN RIGHT AND GO NORTHWEST 0.25 MILES TO DUNBAR ROAD. TURN RIGHT ON DUNBAR ROAD AND FOLLOW AROUND FOR 0.50 TO DUNBAR CIRCLE. THE STATION CAN BE FOUND 3.0' SOUTHWEST OF THE WEST EDGE OF PAVEMENT, 4' SOUTHEAST OF THE MONITORING WELL, 17' NORTHWEST OF A STOP SIGN. THE STATION SET IS A SOUTH FLORIDA WATER MANAGEMENT DISK SET IN CONCRETE STAMPED "PGA N, LB 7334 AND 2010".

NGS Benchmarks Used: SKY & JUPITER FARMS





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08

COUNTY	Palm Beach	PROJECT	LOX SLOUGH	DESIGNATION	PGA S
SECTION	16	TOWNSHIP	42 SOUTH	RANGE	42 EAST
NAME OF QUADRANGLE _____					
Established by			Recovered by _____ (Surveyor / Firm Name)		
DATE			FIELD BOOK		
06/09/2010 (Established or Recovered)			EA SFWMD 6 PAGE 27		
HORIZONTAL DATUM: 1927 (1983) ADJ 99 Other 2007(circle one) ZONE (E) or W					
STATE PLANE COORDINATES		N 902833.32 ft		E 932091.17 ft	
LATITUDE: N 26°48'53.90795"			LONGITUDE: W 80°09'14.45613"		
VERTICAL DATUM: MSL 1929 (1988) Other _____ (circle one)				EL. 15.70 ft	
VERTICAL DATUM: MSL (1929) 1988 Other _____ (circle one)				EL. 17.21 ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 (SUB-METER) (circle one) VERTICAL 1 2 (3)					

DESCRIPTION

To Reach: THE STATION IS LOCATED ABOUT 1.1 MILES SOUTHWEST OF PALM BEACH GARDENS, IN SECTION 16, TOWNSHIP 42 SOUTH, RANGE 42 EAST. TO REACH THE STATION FROM THE INTERSECTION OF NORTHLAKE AND INTERSTATE 95, GO WEST ON NORTHLAKE FOR 2.5 MILES TO JOG ROAD. TURN RIGHT AND GO NORTH ON JOG ROAD FOR 0.15 MILES TO HIATT DRIVE. TURN LEFT AND GO WEST ON HIATT FOR 220 FEET TO THORNTON DRIVE. TURN LEFT AND GO WEST 1.2 MILES TO THE INTERSECTION OF COVENTRY PLACE AND THORNTON DRIVE. THE STATION CAN BE FOUND 9.0' WEST OF THE WEST EDGE OF PAVEMENT ON COVENTRY PLACE, 23' SOUTH OF THE SOUTH EDGE OF GOLF CART TRAIL, 77' EAST OF TREE LINE. THE STATION SET IS A SOUTH FLORIDA WATER MANAGEMENT DISK SET IN CONCRETE STAMPED "PGA S, LB 7334 AND 2010".

NGS Benchmarks Used: SKY & JUPITER FARMS





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/08



The NGS Data Sheet

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

```

PROGRAM = datasheet95, VERSION = 8.12.2
1      National Geodetic Survey,  Retrieval Date = AUGUST 21, 2017
DI9206 *****
DI9206 DESIGNATION - G 160
DI9206 PID - DI9206
DI9206 STATE/COUNTY- FL/PALM BEACH
DI9206 COUNTRY - US
DI9206 USGS QUAD - ROOD (1983)
DI9206
DI9206 *CURRENT SURVEY CONTROL
DI9206
DI9206* NAD 83(1986) POSITION- 26 52 48. (N) 080 10 37. (W) SCALED
DI9206* NAVD 88 ORTHO HEIGHT - 5.881 (meters) 19.29 (feet) ADJUSTED
DI9206
DI9206 GEOID HEIGHT - -26.779 (meters) GEOID12B
DI9206 DYNAMIC HEIGHT - 5.872 (meters) 19.27 (feet) COMP
DI9206 MODELED GRAVITY - 979,105.0 (mgal) NAVD 88
DI9206
DI9206 VERT ORDER - FIRST CLASS II
DI9206
DI9206.The horizontal coordinates were scaled from a topographic map and have
DI9206.an estimated accuracy of +/- 6 seconds.
DI9206.
DI9206.The orthometric height was determined by differential leveling and
DI9206.adjusted by the NATIONAL GEODETIC SURVEY
DI9206.in August 2007.
DI9206
DI9206.Significant digits in the geoid height do not necessarily reflect accuracy.
DI9206.GEOID12B height accuracy estimate available here.
DI9206
DI9206.Photographs are available for this station.
DI9206
DI9206.The dynamic height is computed by dividing the NAVD 88
DI9206.geopotential number by the normal gravity value computed on the
DI9206.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DI9206.degrees latitude (g = 980.6199 gals.).
DI9206
DI9206.The modeled gravity was interpolated from observed gravity values.
DI9206
DI9206; North East Units Estimated Accuracy
DI9206;SPC FL E - 282,370. 281,780. MT (+/- 180 meters Scaled)
DI9206
DI9206_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK817734(NAD 83)
DI9206
DI9206 SUPERSEDED SURVEY CONTROL
DI9206
DI9206.No superseded survey control is available for this station.
DI9206
DI9206_MARKER: DD = SURVEY DISK
DI9206_SETTING: 36 = SET IN A MASSIVE STRUCTURE
DI9206_SP_SET: WATER STRUCTURE

```

DI9206_STAMPING: G 160 2004

DI9206_MARK LOGO: SFLWMD

DI9206_MAGNETIC: N = NO MAGNETIC MATERIAL

DI9206_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

DI9206_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DI9206+SATELLITE: SATELLITE OBSERVATIONS - November 09, 2005

DI9206

DI9206	HISTORY	- Date	Condition	Report By
DI9206	HISTORY	- 2004	MONUMENTED	SFLWMD
DI9206	HISTORY	- 20040301	GOOD	FLDEP
DI9206	HISTORY	- 20051109	GOOD	NICKMI

DI9206

DI9206

STATION DESCRIPTION

DI9206

DI9206'DESCRIBED BY FL DEPT OF ENV PRO 2004 (JLM)

DI9206'THE MARK IS ABOUT 7.0 MI SOUTHWEST OF JUPITER, 3.0 MI NORTHWEST OF
DI9206'PALM BEACH GARDENS, IN SECTION 29, TOWNSHIP 41 SOUTH, RANGE 42 EAST.
DI9206'

DI9206'TO REACH THE MARK FROM THE INTERCHANGE OF THE FLORIDA TURNPIKE
DI9206'OVERPASS (MOST EAST RAMP, EXIT 116) AND STATE HIGHWAY 706 (INDIANTOWN
DI9206'ROAD) ON THE WEST SIDE OF JUPITER, GO SOUTHEAST ON THE FLORIDA
DI9206'TURNPIKE FOR 0.4 MI TO THE EAST END OF BRIDGE NUMBER 930239 SPANNING
DI9206'CANAL C-18, TURN RIGHT ON CANAL C-18 LEVEE ROAD AND GO SOUTHWEST
DI9206'(PASSING THROUGH A LOCKED GATE) FOR 1.35 MI TO A LOCKED GATE,
DI9206'CONTINUE SOUTHWEST ON THE LEVEE ROAD FOR 0.25 MI TO A LOCKED GATE,
DI9206'CONTINUE SOUTHWEST ON THE LEVEE ROAD FOR 0.75 MI TO A LOCKED GATE,
DI9206'CONTINUE SOUTH ON THE LEVEE ROAD FOR 1.65 MI TO A PUMP STATION ON THE
DI9206'LEFT AND THE MARK ON THE LEFT, SET FLUSH IN THE TOP OF THE SOUTHWEST
DI9206'Structure. THE MARK CAN ALSO BE REACHED FROM THE INTERCHANGE OF THE
DI9206'FLORIDA TURNPIKE UNDERPASS (EXIT 109) AND STATE HIGHWAY 786 (P.G.A.
DI9206'BOULEVARD) ON THE NORTHWEST SIDE OF PALM BEACH GARDENS, GO WEST ON
DI9206'STATE HIGHWAY 786 (P.G.A. BOULEVARD) FOR 2.25 MI TO THE WEST END OF
DI9206'THE BRIDGE SPANNING CANAL C-18 AND THE JUNCTION OF CANAL C-18 LEVEE
DI9206'ROAD, TURN RIGHT ON THE LEVEE ROAD (PASSING THROUGH A LOCKED GATE)
DI9206'AND GO NORTHWEST FOR 2.8 MI TO A PUMP STATION ON THE RIGHT AND THE
DI9206'MARK ON THE RIGHT.

DI9206'

DI9206'LOCATED 50.0 FT SOUTHEAST OF THE WEST ENTRANCE GATE TO THE STRUCTURE,
DI9206'28.0 FT SOUTH OF THE APPROXIMATE, CENTERLINE OF THE STRUCTURE ROAD,
DI9206'2.0 FT NORTH OF THE SOUTHEAST CORNER OF THE SOUTHWEST STRUCTURE, 1.0
DI9206'FT WEST OF THE EAST FACE OF THE STRUCTURE AND 0.9 FT EAST OF A GUARD
DI9206'RAIL.

DI9206'

DI9206'NOTE FOR KEY CONTACT SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

DI9206

DI9206

STATION RECOVERY (2005)

DI9206

DI9206'RECOVERY NOTE BY NICK MILLER INCORPORATED 2005 (ECD)

DI9206'RECOVERED AS DESCRIBED.

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

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

```

PROGRAM = datasheet95, VERSION = 8.12.2
1      National Geodetic Survey,  Retrieval Date = AUGUST 21, 2017
BG1802 *****
BG1802 DESIGNATION - G 161
BG1802 PID - BG1802
BG1802 STATE/COUNTY- FL/ESCAMBIA
BG1802 COUNTRY - US
BG1802 USGS QUAD - FORT BARRANCAS (1994)
BG1802
BG1802 *CURRENT SURVEY CONTROL
BG1802
BG1802* NAD 83(1986) POSITION- 30 20 50. (N) 087 18 48. (W) SCALED
BG1802* NAVD 88 ORTHO HEIGHT - 9.349 (meters) 30.67 (feet) ADJUSTED
BG1802* NAVD 88 EPOCH - 2009.55
BG1802 **This station is located in a suspected subsidence area (see below).
BG1802
BG1802 GEOID HEIGHT - -27.460 (meters) GEOID12B
BG1802 DYNAMIC HEIGHT - 9.336 (meters) 30.63 (feet) COMP
BG1802 MODELED GRAVITY - 979,341.9 (mgal) NAVD 88
BG1802
BG1802 VERT ORDER - FIRST CLASS II
BG1802
BG1802.The horizontal coordinates were scaled from a topographic map and have
BG1802.an estimated accuracy of +/- 6 seconds.
BG1802.
BG1802 ** This station is in an area of known vertical motion. Due to the
BG1802 ** variability of land subsidence, uplift, and crustal motion, NGS has,
BG1802 ** determined the orthometric heights for marks in these suspect
BG1802 ** subsidence areas should be considered valid only at the epoch date
BG1802 ** associated with the orthometric height. These heights must always
BG1802 ** be validated when used as control. All previously superseded
BG1802 ** orthometric heights are now considered suspect and are available
BG1802 ** in the superseded section. NGS does not recommend using suspect
BG1802 ** or superseded heights as control.
BG1802
BG1802.The orthometric height was determined by differential leveling and
BG1802.adjusted by the NATIONAL GEODETIC SURVEY
BG1802.in July 2012.
BG1802
BG1802.Significant digits in the geoid height do not necessarily reflect accuracy.
BG1802.GEOID12B height accuracy estimate available here.
BG1802
BG1802.The dynamic height is computed by dividing the NAVD 88
BG1802.geopotential number by the normal gravity value computed on the
BG1802.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
BG1802.degrees latitude (g = 980.6199 gals.).
BG1802
BG1802.The modeled gravity was interpolated from observed gravity values.
BG1802
BG1802; North East Units Estimated Accuracy
BG1802;SPC FL N - 152,670. 329,540. MT (+/- 180 meters Scaled)

```

BG1802
 BG1802_U.S. NATIONAL GRID SPATIAL ADDRESS: 16RDU698573(NAD 83)
 BG1802
 BG1802 SUPERSEDED SURVEY CONTROL
 BG1802
 BG1802 NAVD 88 (06/15/91) 9.360 (m) 30.71 (f) SUPERSEDED 1 2
 BG1802 NGVD 29 (??/??/92) 9.430 (m) 30.94 (f) ADJ UNCH 1 2
 BG1802
 BG1802.Superseded values are not recommended for survey control.
 BG1802
 BG1802.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 BG1802.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 BG1802
 BG1802_MARKER: DB = BENCH MARK DISK
 BG1802_SETTING: 30 = SET IN A LIGHT STRUCTURE
 BG1802_SP_SET: CONCRETE BASE
 BG1802_STAMPING: G 161 1955
 BG1802_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY
 BG1802

BG1802	HISTORY	- Date	Condition	Report By
BG1802	HISTORY	- 1955	MONUMENTED	CGS
BG1802	HISTORY	- 1975	GOOD	NGS
BG1802	HISTORY	- 19960419	GOOD	USPSQD
BG1802	HISTORY	- 20040221	GOOD	USPSQD

 BG1802
 BG1802 STATION DESCRIPTION
 BG1802
 BG1802'DESCRIBED BY COAST AND GEODETIC SURVEY 1955
 BG1802'AT PENSACOLA NAS.
 BG1802'AT PENSACOLA NAVAL AIR STATION, ABOUT 2.2 MILES NORTHEAST ALONG
 BG1802'WEST ACCESS ROAD FROM THE MAIN WEST ENTRANCE TO AIR STATION,
 BG1802'ABOUT 0.2 MILE SOUTHEAST OF CONTROL TOWER OF FORREST SHERMAN
 BG1802'AIRFIELD, IN THE TOP OF THE CENTER OF CONCRETE BASE AND DIRECTLY
 BG1802'UNDER AN AIRWAY BEACON WHICH IS LOCATED ON SOUTH SIDE OF ROAD
 BG1802'AND ABOUT LEVEL WITH GROUND.
 BG1802
 BG1802 STATION RECOVERY (1975)
 BG1802
 BG1802'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1975
 BG1802'RECOVERED IN GOOD CONDITION.
 BG1802
 BG1802 STATION RECOVERY (1996)
 BG1802
 BG1802'RECOVERY NOTE BY US POWER SQUADRON 1996
 BG1802'RECOVERED IN GOOD CONDITION.
 BG1802
 BG1802 STATION RECOVERY (2004)
 BG1802
 BG1802'RECOVERY NOTE BY US POWER SQUADRON 2004 (RSS)
 BG1802'PROCEED SOUTH ON BLUE ANGEL PARKWAY (FL 173) TO THE WEST ENTRANCE OF
 BG1802'NAS PENSACOLA, FROM WEST ENTRANCE PROCEED 2.2 MILES AND TURN NORTH ON
 BG1802'SAN CARLOS ROAD (ROAD IS OPPOSITE ENTRANCE TO OAK GROVE PARK).
 BG1802'CONTINUE FOR 0.3 MILES.
 BG1802'APPROXIMATELY 30 FEET EAST OF ROAD IS WHITE WITNESS POST WITH SIGN
 BG1802'ATTACHED. FROM WITNESS POST (NEAR MANHOLE COVER), ON A BEARING 140
 BG1802'DEGREE GO APPROXIMATELY 14 FEET TO 3.5 FOOT SQUARE CONCRETE SLAB, 4
 BG1802'INCHES ABOVE GROUND. MARKER IS LOCATED IN CENTER OF BASE. BASE IS
 BG1802'PAINTED WITH TWO (2) QUADRANTS DARK GREY AND TWO (2) QUADRANTS
 BG1802'WHITE, PAINT IS FADING AND PEELING. THE AIRWAY BEACON (PID BG4823)
 BG1802'HAS BEEN REMOVED.

BG1802'

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

The NGS Data Sheet

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

```

PROGRAM = datasheet95, VERSION = 8.12.2
1      National Geodetic Survey,  Retrieval Date = AUGUST 21, 2017
AD8407 *****
AD8407 DESIGNATION - JUPITER FARMS
AD8407 PID - AD8407
AD8407 STATE/COUNTY- FL/PALM BEACH
AD8407 COUNTRY - US
AD8407 USGS QUAD - ROOD (1983)
AD8407
AD8407 *CURRENT SURVEY CONTROL
AD8407
AD8407* NAD 83(2011) POSITION- 26 53 55.56386(N) 080 11 33.78248(W) ADJUSTED
AD8407* NAD 83(2011) ELLIP HT- -21.860 (meters) (06/27/12) ADJUSTED
AD8407* NAD 83(2011) EPOCH - 2010.00
AD8407* NAVD 88 ORTHO HEIGHT - 5.0 (meters) 16. (feet) VERTCON
AD8407
AD8407 GEOID HEIGHT - -26.810 (meters) GEOID12B
AD8407 NAD 83(2011) X - 969,536.927 (meters) COMP
AD8407 NAD 83(2011) Y - -5,608,769.599 (meters) COMP
AD8407 NAD 83(2011) Z - 2,868,206.942 (meters) COMP
AD8407 LAPLACE CORR - -3.51 (seconds) DEFLEC12B
AD8407
AD8407 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AD8407 Standards:
AD8407 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AD8407 Horiz Ellip SD_N SD_E SD_h (unitless)
AD8407 -----
AD8407 NETWORK 1.65 3.23 0.68 0.67 1.65 0.10925031
AD8407 -----
AD8407 Click here for local accuracies and other accuracy information.
AD8407
AD8407
AD8407.The horizontal coordinates were established by GPS observations
AD8407.and adjusted by the National Geodetic Survey in June 2012.
AD8407
AD8407.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
AD8407.been affixed to the stable North American tectonic plate. See
AD8407.NA2011 for more information.
AD8407
AD8407.The horizontal coordinates are valid at the epoch date displayed above
AD8407.which is a decimal equivalence of Year/Month/Day.
AD8407
AD8407.The NAVD 88 height was computed by applying the VERTCON shift value to
AD8407.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
AD8407
AD8407.Significant digits in the geoid height do not necessarily reflect accuracy.
AD8407.GEOID12B height accuracy estimate available here.
AD8407
AD8407.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AD8407
AD8407.The Laplace correction was computed from DEFLEC12B derived deflections.

```

AD8407

AD8407.The ellipsoidal height was determined by GPS observations
AD8407.and is referenced to NAD 83.

AD8407

AD8407. The following values were computed from the NAD 83(2011) position.

AD8407

AD8407;		North	East	Units	Scale	Factor	Converg.
AD8407;SPC FL E	-	284,443.511	280,195.236	MT	1.00002054	+0 21	54.9
AD8407;SPC FL E	-	933,211.75	919,273.87	sFT	1.00002054	+0 21	54.9
AD8407;UTM 17	-	2,975,478.442	580,167.874	MT	0.99967934	+0 21	54.9

AD8407

AD8407! - Elev Factor x Scale Factor = Combined Factor

AD8407!SPC FL E - 1.00000343 x 1.00002054 = 1.00002397

AD8407!UTM 17 - 1.00000343 x 0.99967934 = 0.99968277

AD8407

AD8407_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK8016775478(NAD 83)

AD8407

SUPERSEDED SURVEY CONTROL

AD8407

AD8407	NAD 83(2007)-	26 53 55.56403(N)	080 11 33.78317(W)	AD(2002.00)	0
AD8407	ELLIP H (02/10/07)	-21.839 (m)		GP(2002.00)	
AD8407	NAD 83(1999)-	26 53 55.56405(N)	080 11 33.78371(W)	AD()	1
AD8407	ELLIP H (07/06/01)	-21.832 (m)		GP()	4 2
AD8407	NAD 83(1990)-	26 53 55.56381(N)	080 11 33.78212(W)	AD()	1
AD8407	ELLIP H (08/13/93)	-21.838 (m)		GP()	4 1
AD8407	NAD 83(1990)-	26 53 55.56246(N)	080 11 33.78289(W)	AD()	1
AD8407	ELLIP H (03/31/93)	-21.783 (m)		GP()	4 1
AD8407	NGVD 29 (03/31/93)	5.5 (m)	GEOID90 model used	GPS OBS	

AD8407

AD8407.Superseded values are not recommended for survey control.

AD8407

AD8407.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AD8407.See file [dsdata.pdf](#) to determine how the superseded data were derived.

AD8407

AD8407_MARKER: DD = SURVEY DISK

AD8407_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AD8407_STAMPING: JUPITER FARMS

AD8407_MARK LOGO: FL-099

AD8407_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT

AD8407_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AD8407+STABILITY: SURFACE MOTION

AD8407_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AD8407+SATELLITE: SATELLITE OBSERVATIONS - August 09, 2011

AD8407

AD8407	HISTORY	- Date	Condition	Report By
AD8407	HISTORY	- UNK	MONUMENTED	FL-099
AD8407	HISTORY	- 19910810	GOOD	ADRGs
AD8407	HISTORY	- 20020323	GOOD	USPSQD
AD8407	HISTORY	- 20030418	GOOD	USPSQD
AD8407	HISTORY	- 20040424	GOOD	USPSQD
AD8407	HISTORY	- 20110809	GOOD	CREEI
AD8407	HISTORY	- 20161115	GOOD	INDIV

AD8407

STATION DESCRIPTION

AD8407

AD8407'DESCRIBED BY ADR GEODETIC SERVICES 1991

AD8407'TO REACH THE STATION FROM THE INTERSECTION OF INDIANTOWN ROAD (STATE

AD8407'ROUTE 706) AND THE FLORIDA TURNPIKE (INTERCHANGE 48), GO WEST ON

AD8407'INDIANTOWN ROAD FOR 2.5 MI (4.02 KM) TO JUPITER FARMS ROAD. TURN LEFT

AD8407'AND GO SOUTH ON JUPITER FARMS ROAD FOR 3.0 MI (4.83 KM) TO 150TH

AD8407'COURT NORTH AND THE STATION IN THE SOUTHEAST CORNER OF THE
AD8407'INTERSECTION.

AD8407'THE STATION IS SOUTHWEST 64.90 FT (19.78 M) FROM A NAIL IN A POWER
AD8407'POLE, EAST 72.74 FT (22.17 M) FROM A PK IN A POWER POLE, AND
AD8407'SOUTHEAST 83.44 FT (25.43 M) FROM A NAIL AND WASHER IN A POWER POLE.
AD8407'THE STATION IS 4.3 FT (1.31 M) NORTHWEST OF A PALM BEACH COUNTY
AD8407'SURVEY WITNESS SIGN AND POST.

AD8407

AD8407 STATION RECOVERY (2002)

AD8407

AD8407'RECOVERY NOTE BY US POWER SQUADRON 2002 (AEP)
AD8407'WITNESS POST MISSING. MARK IS 8 INCHES BELOW GRADE.

AD8407

AD8407 STATION RECOVERY (2003)

AD8407

AD8407'RECOVERY NOTE BY US POWER SQUADRON 2003 (AEP)
AD8407'RECOVERED IN GOOD CONDITION.

AD8407

AD8407 STATION RECOVERY (2004)

AD8407

AD8407'RECOVERY NOTE BY US POWER SQUADRON 2004 (AEP)
AD8407'RECOVERED IN GOOD CONDITION.

AD8407

AD8407 STATION RECOVERY (2011)

AD8407

AD8407'RECOVERY NOTE BY CREECH ENGINEERS INC 2011
AD8407'RECOVERED IN GOOD CONDITION.

AD8407

AD8407 STATION RECOVERY (2016)

AD8407

AD8407'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2016 (EEW)
AD8407'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:02

The NGS Data Sheet

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

```

PROGRAM = datasheet95, VERSION = 8.12.2
1      National Geodetic Survey,  Retrieval Date = AUGUST 21, 2017
DI9196 *****
DI9196 DESIGNATION - M 600
DI9196 PID - DI9196
DI9196 STATE/COUNTY- FL/PALM BEACH
DI9196 COUNTRY - US
DI9196 USGS QUAD - ROOD (1983)
DI9196
DI9196 *CURRENT SURVEY CONTROL
DI9196
DI9196* NAD 83(1986) POSITION- 26 54 10. (N) 080 10 31. (W) SCALED
DI9196* NAVD 88 ORTHO HEIGHT - 5.080 (meters) 16.67 (feet) ADJUSTED
DI9196
DI9196 GEOID HEIGHT - -26.886 (meters) GEOID12B
DI9196 DYNAMIC HEIGHT - 5.072 (meters) 16.64 (feet) COMP
DI9196 MODELED GRAVITY - 979,103.0 (mgal) NAVD 88
DI9196
DI9196 VERT ORDER - FIRST CLASS II
DI9196
DI9196.The horizontal coordinates were scaled from a topographic map and have
DI9196.an estimated accuracy of +/- 6 seconds.
DI9196.
DI9196.The orthometric height was determined by differential leveling and
DI9196.adjusted by the NATIONAL GEODETIC SURVEY
DI9196.in August 2007.
DI9196
DI9196.Significant digits in the geoid height do not necessarily reflect accuracy.
DI9196.GEOID12B height accuracy estimate available here.
DI9196
DI9196.Photographs are available for this station.
DI9196
DI9196.The dynamic height is computed by dividing the NAVD 88
DI9196.geopotential number by the normal gravity value computed on the
DI9196.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DI9196.degrees latitude (g = 980.6199 gals.).
DI9196
DI9196.The modeled gravity was interpolated from observed gravity values.
DI9196
DI9196; North East Units Estimated Accuracy
DI9196;SPC FL E - 284,900. 281,930. MT (+/- 180 meters Scaled)
DI9196
DI9196_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK818759(NAD 83)
DI9196
DI9196 SUPERSEDED SURVEY CONTROL
DI9196
DI9196.No superseded survey control is available for this station.
DI9196
DI9196_MARKER: F = FLANGE-ENCASED ROD
DI9196_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)
DI9196_STAMPING: M 600 2004

```

DI9196_MARK LOGO: NGS

DI9196_PROJECTION: FLUSH

DI9196_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

DI9196_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

DI9196_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DI9196+SATELLITE: SATELLITE OBSERVATIONS - March 03, 2004

DI9196_ROD/PIPE-DEPTH: 15.7 meters

DI9196

DI9196	HISTORY	- Date	Condition	Report By
DI9196	HISTORY	- 20040303	MONUMENTED	FLDEP

DI9196

DI9196 STATION DESCRIPTION

DI9196

DI9196'DESCRIBED BY FL DEPT OF ENV PRO 2004 (JLM)

DI9196'THE MARK IS ABOUT 5.4 MI SOUTHWEST OF JUPITER, IN SECTION 17, TOWNSHIP

DI9196'41 SOUTH, RANGE 42 EAST.

DI9196'

DI9196'TO REACH THE MARK FROM THE INTERCHANGE OF THE FLORIDA TURNPIKE

DI9196'OVERPASS (MOST EAST RAMP, EXIT 116) AND STATE HIGHWAY 706 (INDIANTOWN

DI9196'ROAD) ON THE WEST SIDE OF JUPITER, GO SOUTHEAST ON THE FLORIDA

DI9196'TURNPIKE FOR 0.4 MI TO THE EAST END OF BRIDGE NUMBER 930239 SPANNING

DI9196'CANAL C-18, TURN RIGHT ON CANAL C-18 LEVEE ROAD AND GO SOUTHWEST

DI9196'(PASSING THROUGH A LOCKED GATE) FOR 1.35 MI TO A LOCKED GATE,

DI9196'CONTINUE SOUTHWEST ON THE LEVEE ROAD FOR 0.25 MI TO A LOCKED GATE,

DI9196'CONTINUE SOUTHWEST ON THE LEVEE ROAD FOR 0.75 MI TO A LOCKED GATE,

DI9196'CONTINUE SOUTH ON THE LEVEE ROAD FOR 0.1 MI TO THE MARK ON THE LEFT, A

DI9196'STAINLESS STEEL ROD DRIVEN TO REFUSAL AT A DEPTH OF 51.4 FT WITH A NGS

DI9196'LOGO CAP FLUSH WITH THE GROUND AND ABOUT 5.0 FT BELOW THE LEVEL OF

DI9196'THE LEVEE ROAD, THE DATUM POINT IS RECESSED 0.8 FT BELOW THE LEVEL OF

DI9196'THE NGS LOGO CAP.

DI9196'

DI9196'LOCATED ABOUT 345.0 FT SOUTH OF THE GATE, 110.0 FT SOUTH OF THE

DI9196'NORTHWEST CORNER OF A 5.0 FT TALL CHAINLINK FENCE, 37.2 FT EAST OF

DI9196'THE APPROXIMATE CENTERLINE OF THE LEVEE ROAD, 3.3 FT WEST OF THE

DI9196'CHAINLINK FENCE AND 3.0 FT WEST OF A CARSONITE WITNESS POST.

DI9196'

DI9196'NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH NGS LOGO CAP.

DI9196'

DI9196'NOTE A MAGNET WAS PLACED INSIDE OF THE NGS LOGO CAP.

DI9196'

DI9196'NOTE FOR KEY CONTACT SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

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

```

PROGRAM = datasheet95, VERSION = 8.12.2
1      National Geodetic Survey,  Retrieval Date = AUGUST 21, 2017
AD8541 *****
AD8541 DESIGNATION - SKY
AD8541 PID - AD8541
AD8541 STATE/COUNTY- FL/PALM BEACH
AD8541 COUNTRY - US
AD8541 USGS QUAD - ROOD (1983)
AD8541
AD8541 *CURRENT SURVEY CONTROL
AD8541
AD8541* NAD 83(2011) POSITION- 26 53 20.92965(N) 080 08 38.40472(W) ADJUSTED
AD8541* NAD 83(2011) ELLIP HT- -22.134 (meters) (06/27/12) ADJUSTED
AD8541* NAD 83(2011) EPOCH - 2010.00
AD8541* NAVD 88 ORTHO HEIGHT - 4.9 (meters) 16. (feet) VERTCON
AD8541
AD8541 GEOID HEIGHT - -26.936 (meters) GEOID12B
AD8541 NAD 83(2011) X - 974,387.958 (meters) COMP
AD8541 NAD 83(2011) Y - -5,608,418.046 (meters) COMP
AD8541 NAD 83(2011) Z - 2,867,256.131 (meters) COMP
AD8541 LAPLACE CORR - -3.83 (seconds) DEFLEC12B
AD8541
AD8541 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AD8541 Standards:
AD8541 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AD8541 Horiz Ellip SD_N SD_E SD_h (unitless)
AD8541 -----
AD8541 NETWORK 1.69 3.10 0.72 0.66 1.58 -0.01223745
AD8541 -----
AD8541 Click here for local accuracies and other accuracy information.
AD8541
AD8541
AD8541.The horizontal coordinates were established by GPS observations
AD8541.and adjusted by the National Geodetic Survey in June 2012.
AD8541
AD8541.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
AD8541.been affixed to the stable North American tectonic plate. See
AD8541.NA2011 for more information.
AD8541
AD8541.The horizontal coordinates are valid at the epoch date displayed above
AD8541.which is a decimal equivalence of Year/Month/Day.
AD8541
AD8541.The NAVD 88 height was computed by applying the VERTCON shift value to
AD8541.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
AD8541
AD8541.Significant digits in the geoid height do not necessarily reflect accuracy.
AD8541.GEOID12B height accuracy estimate available here.
AD8541
AD8541.The X, Y, and Z were computed from the position and the ellipsoidal ht.
AD8541
AD8541.The Laplace correction was computed from DEFLEC12B derived deflections.

```

AD8541

AD8541.The ellipsoidal height was determined by GPS observations
AD8541.and is referenced to NAD 83.

AD8541

AD8541. The following values were computed from the NAD 83(2011) position.

AD8541

AD8541;		North	East	Units	Scale Factor	Converg.
AD8541;SPC FL E	-	283,409.304	285,042.087	MT	1.00003043	+0 23 13.8
AD8541;SPC FL E	-	929,818.69	935,175.58	sFT	1.00003043	+0 23 13.8
AD8541;UTM 17	-	2,974,444.588	585,013.071	MT	0.99968922	+0 23 13.8

AD8541

AD8541!		Elev Factor	x	Scale Factor	=	Combined Factor
AD8541!SPC FL E	-	1.00000348	x	1.00003043	=	1.00003391
AD8541!UTM 17	-	1.00000348	x	0.99968922	=	0.99969270

AD8541

AD8541_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK8501374444 (NAD 83)

AD8541

SUPERSEDED SURVEY CONTROL

AD8541

AD8541	NAD 83(2007)-	26 53 20.92982 (N)	080 08 38.40540 (W)	AD(2002.00)	0
AD8541	ELLIP H (02/10/07)	-22.113 (m)		GP(2002.00)	
AD8541	NAD 83(1999)-	26 53 20.92977 (N)	080 08 38.40611 (W)	AD()	1
AD8541	ELLIP H (07/06/01)	-22.101 (m)		GP()	4 2
AD8541	NAD 83(1990)-	26 53 20.92979 (N)	080 08 38.40417 (W)	AD()	1
AD8541	ELLIP H (08/13/93)	-22.121 (m)		GP()	4 1
AD8541	NAD 83(1990)-	26 53 20.92821 (N)	080 08 38.40526 (W)	AD()	1
AD8541	ELLIP H (03/31/93)	-22.054 (m)		GP()	4 1
AD8541	NGVD 29 (03/31/93)	5.3 (m)	GEOID90 model used	GPS OBS	

AD8541

AD8541.Superseded values are not recommended for survey control.

AD8541

AD8541.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AD8541.See file [dsdata.pdf](#) to determine how the superseded data were derived.

AD8541

AD8541_MARKER: DD = SURVEY DISK

AD8541_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AD8541_STAMPING: SKY

AD8541_MARK LOGO: FL-099

AD8541_MAGNETIC: R = STEEL ROD IMBEDDED IN MONUMENT

AD8541_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AD8541+STABILITY: SURFACE MOTION

AD8541_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AD8541+SATELLITE: SATELLITE OBSERVATIONS - March 01, 2004

AD8541

AD8541	HISTORY	- Date	Condition	Report By
AD8541	HISTORY	- UNK	MONUMENTED	FL-099
AD8541	HISTORY	- 19910810	GOOD	ADRGs
AD8541	HISTORY	- 20020105	GOOD	USPSQD
AD8541	HISTORY	- 20030217	GOOD	USPSQD
AD8541	HISTORY	- 20040301	GOOD	USPSQD

AD8541

STATION DESCRIPTION

AD8541

AD8541'DESCRIBED BY ADR GEODETIC SERVICES 1991

AD8541'TO REACH THE STATION FROM THE INTERSECTION OF DONALD ROSS ROAD AND

AD8541'INTERSTATE 95 (INTERCHANGE 58), GO WEST ON DONALD ROSS ROAD FOR 0.8

AD8541'MI (1.29 KM) TO NORTH 69TH DRIVE. TURN RIGHT GO NORTH ON NORTH 69TH

AD8541'DRIVE FOR 0.25 MI (0.40 KM) TO AN EAST-WEST CANAL. TURN LEFT ON THE

AD8541'NORTH SIDE OF THE CANAL AND GO WEST FOR 200 FEET TO A CANAL LEVEE.

AD8541'TURN RIGHT AND GO 0.25 MI (0.40 KM) NORTH ON THE LEVEE TO THE STATION

AD8541'ON THE LEFT, 21 FEET WEST OF THE ROAD, 4 FEET EAST OF CANAL EDGE AND
AD8541'41 FEET WEST OF THE SOUTHWEST CORNER OF A WOODEN SLAT FENCE IN AREA
AD8541'ACROSS THE CANAL FROM A BARBED WIRE FENCE RUNNING NORTH AND SOUTH.
AD8541'THE STATION IS SOUTHWEST 68.65 FT (20.92 M) FROM A NAIL AND TIN TAB 3
AD8541'FEET UP THE NORTHWEST SIDE OF A FLORIDA PINE, WEST 42.55 FT
AD8541'(12.97 M) FROM QUARTER CORNER STAMPED 21/22, AND NORTHWEST 66.74 FT
AD8541'(20.34 M) FROM A NAIL AND TIN TAB 2 FEET UP THE NORTH SIDE OF A 22
AD8541'INCH FLORIDA PINE. STATION IS 1.4 FT (0.43 M) EAST OF A PALM BEACH
AD8541'COUNTY SURVEY WITNESS SIGN AND POST.

AD8541

AD8541 STATION RECOVERY (2002)

AD8541

AD8541'RECOVERY NOTE BY US POWER SQUADRON 2002 (AEP)

AD8541'RECOVERED IN GOOD CONDITION.

AD8541

AD8541 STATION RECOVERY (2003)

AD8541

AD8541'RECOVERY NOTE BY US POWER SQUADRON 2003 (AEP)

AD8541'RECOVERED IN GOOD CONDITION.

AD8541

AD8541 STATION RECOVERY (2004)

AD8541

AD8541'RECOVERY NOTE BY US POWER SQUADRON 2004 (AEP)

AD8541'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:03

The NGS Data Sheet

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

```

PROGRAM = datasheet95, VERSION = 8.12.2
1      National Geodetic Survey,  Retrieval Date = AUGUST 21, 2017
AJ8878 *****
AJ8878 DESIGNATION - Y 547
AJ8878 PID - AJ8878
AJ8878 STATE/COUNTY- FL/PALM BEACH
AJ8878 COUNTRY - US
AJ8878 USGS QUAD - DELTA (1983)
AJ8878
AJ8878 *CURRENT SURVEY CONTROL
AJ8878
AJ8878* NAD 83(2011) POSITION- 26 48 49.76184(N) 080 09 28.39699(W) ADJUSTED
AJ8878* NAD 83(2011) ELLIP HT- -20.967 (meters) (06/27/12) ADJUSTED
AJ8878* NAD 83(2011) EPOCH - 2010.00
AJ8878* NAVD 88 ORTHO HEIGHT - 5.565 (meters) 18.26 (feet) ADJUSTED
AJ8878
AJ8878 GEOID HEIGHT - -26.539 (meters) GEOID12B
AJ8878 NAD 83(2011) X - 973,673.170 (meters) COMP
AJ8878 NAD 83(2011) Y - -5,612,369.306 (meters) COMP
AJ8878 NAD 83(2011) Z - 2,859,810.518 (meters) COMP
AJ8878 LAPLACE CORR - -3.24 (seconds) DEFLEC12B
AJ8878 DYNAMIC HEIGHT - 5.556 (meters) 18.23 (feet) COMP
AJ8878 MODELED GRAVITY - 979,111.7 (mgal) NAVD 88
AJ8878
AJ8878 VERT ORDER - FIRST CLASS II
AJ8878
AJ8878 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AJ8878 Standards:
AJ8878 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AJ8878 Horiz Ellip SD_N SD_E SD_h (unitless)
AJ8878 -----
AJ8878 NETWORK 2.29 3.61 0.97 0.90 1.84 0.09113082
AJ8878 -----
AJ8878 Click here for local accuracies and other accuracy information.
AJ8878
AJ8878
AJ8878.The horizontal coordinates were established by GPS observations
AJ8878.and adjusted by the National Geodetic Survey in June 2012.
AJ8878
AJ8878.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
AJ8878.been affixed to the stable North American tectonic plate. See
AJ8878.NA2011 for more information.
AJ8878
AJ8878.The horizontal coordinates are valid at the epoch date displayed above
AJ8878.which is a decimal equivalence of Year/Month/Day.
AJ8878
AJ8878.The orthometric height was determined by differential leveling and
AJ8878.adjusted by the NATIONAL GEODETIC SURVEY
AJ8878.in May 2002.
AJ8878
AJ8878.Significant digits in the geoid height do not necessarily reflect accuracy.

```

AJ8878.GEOID12B height accuracy estimate available [here](#).

AJ8878

AJ8878.[Photographs](#) are available for this station.

AJ8878

AJ8878.The X, Y, and Z were computed from the position and the ellipsoidal ht.

AJ8878

AJ8878.The Laplace correction was computed from DEFLEC12B derived deflections.

AJ8878

AJ8878.The ellipsoidal height was determined by GPS observations

AJ8878.and is referenced to NAD 83.

AJ8878

AJ8878.The dynamic height is computed by dividing the NAVD 88

AJ8878.geopotential number by the normal gravity value computed on the

AJ8878.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AJ8878.degrees latitude (g = 980.6199 gals.).

AJ8878

AJ8878.The modeled gravity was interpolated from observed gravity values.

AJ8878

AJ8878. The following values were computed from the NAD 83(2011) position.

AJ8878

AJ8878;		North	East	Units	Scale Factor	Converg.
AJ8878;SPC FL E	-	275,053.978	283,717.813	MT	1.00002767	+0 22 47.6
AJ8878;SPC FL E	-	902,406.26	930,830.86	sFT	1.00002767	+0 22 47.6
AJ8878;UTM 17	-	2,966,092.112	583,689.249	MT	0.99968646	+0 22 47.6

AJ8878

AJ8878!
- Elev Factor x Scale Factor = Combined Factor

AJ8878!SPC FL E - 1.00000329 x 1.00002767 = 1.00003096

AJ8878!UTM 17 - 1.00000329 x 0.99968646 = 0.99968975

AJ8878

AJ8878_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK8368966092 (NAD 83)

AJ8878

AJ8878 SUPERSEDED SURVEY CONTROL

AJ8878

AJ8878	NAD 83(2007)-	26 48 49.76197(N)	080 09 28.39764(W)	AD(2002.00)	0
AJ8878	ELLIP H (02/10/07)	-20.952 (m)		GP(2002.00)	
AJ8878	NAD 83(1999)-	26 48 49.76215(N)	080 09 28.39774(W)	AD()	1
AJ8878	ELLIP H (12/12/02)	-20.955 (m)		GP()	3 1
AJ8878	NAVD 88	5.57 (m)	18.3 (f)	LEVELING	3

AJ8878

AJ8878.Superseded values are not recommended for survey control.

AJ8878

AJ8878.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AJ8878.See file [dsdata.pdf](#) to determine how the superseded data were derived.

AJ8878

AJ8878_MARKER: F = FLANGE-ENCASED ROD

AJ8878_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)

AJ8878_STAMPING: Y 547 CERP 2001

AJ8878_MARK LOGO: NONE

AJ8878_PROJECTION: RECESSED 8 CENTIMETERS

AJ8878_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

AJ8878_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AJ8878_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AJ8878+SATELLITE: SATELLITE OBSERVATIONS - March 01, 2004

AJ8878_ROD/PIPE-DEPTH: 13.2 meters

AJ8878

AJ8878	HISTORY	- Date	Condition	Report By
AJ8878	HISTORY	- 2001	MONUMENTED	MOREKL
AJ8878	HISTORY	- 20020419	GOOD	MAPTEC
AJ8878	HISTORY	- 20040301	GOOD	FLDEP

AJ8878

AJ8878 STATION DESCRIPTION
AJ8878
AJ8878'DESCRIBED BY MORGAN AND EKLUND INC 2001 (MAB)
AJ8878'THE STATION IS LOCATED ABOUT 53.5 KM (33.2 MILES) EAST NORTHEAST OF
AJ8878'BELLE GLADE, ABOUT 15.6
AJ8878'KM (9.7 MILES) SOUTH SOUTHWEST OF JUPITER, ABOUT 39.8 KM (24.7 MILES)
AJ8878'SOUTHEAST OF
AJ8878'INDIANTOWN IN SECTION 16, TOWNSHIP 42 SOUTH, RANGE 42 EAST.
AJ8878'
AJ8878'OWNERSHIP PALM BEACH COUNTY (STATE ROAD 710 RIGHT OF WAY).
AJ8878'
AJ8878'TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE 95 AND COUNTY
AJ8878'ROAD 809A
AJ8878'(NORTHLAKE BLVD.), GO WEST ON COUNTY ROAD 809A FOR 5.5 KM (3.4 MILES)
AJ8878'TO THE INTERSECTION
AJ8878'OF COUNTY ROAD 809A AND STATE ROAD 710, TURN RIGHT AND GO NORTHWEST ON
AJ8878'STATE ROAD 710
AJ8878'FOR 0.64 KM (0.4 MILES) TO THE MARK ON THE RIGHT.
AJ8878'
AJ8878'THE MARK IS 19.5 METERS (64.0 FEET) NORTH OF THE NORTH END OF A METAL
AJ8878'ROAD INFORMATION
AJ8878'SIGN, 9.6 METERS (31.6 FEET) SOUTH OF A CARSONITE WITNESS POST, 7.8
AJ8878'METERS (25.6 FEET)
AJ8878'NORTHWEST OF A PK NAIL AND DISK LB4298 SET IN THE NORTH EDGE OF
AJ8878'PAVEMENT OF STATE ROAD
AJ8878'710, 7.7 METERS (25.3 FEET) NORTHEAST OF A PK NAIL AND DISK LB4298 SET
AJ8878'IN THE NORTH EDGE OF
AJ8878'PAVEMENT OF STATE ROAD 710, 4.8 METERS (15.9 FEET) NORTH OF THE NORTH
AJ8878'EDGE OF PAVEMENT
AJ8878'OF STATE ROAD 710. ACCESS TO THE DATUM POINT (TOP OF A STAINLESS STEEL
AJ8878'ROD) IS HAD
AJ8878'THROUGH A 5 INCH LOGO CAP.
AJ8878'
AJ8878'NOTE A MAGNET WAS PLACE INSIDE THE PVC ENCASEMENT.
AJ8878
AJ8878 STATION RECOVERY (2002)
AJ8878
AJ8878'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CDP)
AJ8878'THE STATION IS LOCATED ABOUT 53.5 KM (33.2 MILES) EAST NORTHEAST OF
AJ8878'BELLE GLADE, ABOUT 15.6
AJ8878'KM (9.7 MILES) SOUTH SOUTHWEST OF JUPITER, ABOUT 39.8 KM (24.7 MILES)
AJ8878'SOUTHEAST OF
AJ8878'INDIANTOWN IN SECTION 16, TOWNSHIP 42 SOUTH, RANGE 42 EAST.
AJ8878'
AJ8878'OWNERSHIP PALM BEACH COUNTY (STATE ROAD 710 RIGHT OF WAY).
AJ8878'
AJ8878'TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE 95 AND COUNTY
AJ8878'ROAD 809A
AJ8878'(NORTHLAKE BLVD.), GO WEST ON COUNTY ROAD 809A FOR 5.5 KM (3.4 MILES)
AJ8878'TO THE INTERSECTION
AJ8878'OF COUNTY ROAD 809A AND STATE ROAD 710, TURN RIGHT AND GO NORTHWEST ON
AJ8878'STATE ROAD 710
AJ8878'FOR 0.64 KM (0.4 MILES) TO THE MARK ON THE RIGHT.
AJ8878'
AJ8878'THE MARK IS 19.5 METERS (64.0 FEET) NORTH OF THE NORTH END OF A METAL
AJ8878'ROAD INFORMATION
AJ8878'SIGN, 9.6 METERS (31.6 FEET) SOUTH OF A CARSONITE WITNESS POST, 7.8
AJ8878'METERS (25.6 FEET)
AJ8878'NORTHWEST OF A PK NAIL AND DISK LB4298 SET IN THE NORTH EDGE OF
AJ8878'PAVEMENT OF STATE ROAD

AJ8878'710, 7.7 METERS (25.3 FEET) NORTHEAST OF A PK NAIL AND DISK LB4298 SET
AJ8878'IN THE NORTH EDGE OF
AJ8878'PAVEMENT OF STATE ROAD 710, 4.8 METERS (15.9 FEET) NORTH OF THE NORTH
AJ8878'EDGE OF PAVEMENT
AJ8878'OF STATE ROAD 710. ACCESS TO THE DATUM POINT (TOP OF A STAINLESS STEEL
AJ8878'ROD) IS HAD
AJ8878'THROUGH A 5 INCH LOGO CAP.
AJ8878'
AJ8878'NOTE A MAGNET WAS PLACE INSIDE THE PVC ENCASEMENT.
AJ8878'
AJ8878'STATION RECOVERY (2002)
AJ8878'RECOVERY NOTE BY MAPTECH, INCORPORATED 2002 (CDP)
AJ8878'RECOVERED AS DESCRIBED.
AJ8878
AJ8878 STATION RECOVERY (2004)
AJ8878
AJ8878'RECOVERY NOTE BY FL DEPT OF ENV PRO 2004 (JLM)
AJ8878'RECOVERED IN GOOD CONDITION.

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

BERM NW • T V
ELEV. 18.41
DATE 6 4 10
BY EA
NAVD

NO 29

1-2424
NO 29
ON OF





BERM NO TW
ELEV. 18.41
DATE 6 4 10
BY EA
NAVO NGVD 29



1028216



BERM NW TW

ELEV. 18.44

DATE 6 4 10

BY EA

NAVD

NGVD 29

BEKM NL TW
ELEV. 20.15
DATE 6 4 10
BY EA
NAVD NGVD 25

2015
2015
2015

BERM NE TW

ELEV. 20.15

DATE 6 4 10

BY EA

NAVD

NGVD 28



BERNE T.M.
ELEV. 204.10
DATE 6/4/10
BY EA
BY 1110
NGID 28



BERM NE TW

ELEV. 20.43

DATE 6 4 10

BY EA

NAVD

NGVD 29



EERM NS TW
ELEV. 20.60
DATE 6 4 10
BY EA
NAVD NGVD 29

WATER TEST
20'

WELL

BERM NS TW
ELEV. 20.60
DATE 6 4 10
BY EA
NAVD NGVD 29



BERM NS TW
ELEV. 20.44
DATE 6 4 10
BY EA
NAVD NGVD 29

20'

BERM NS TW
ELEV. 20.44
DATE 6 4 10
BY EA
NAVD NGVD 29

20'

MARSH N I W
ELEV. 18.12
● DATE 6 4 10
BY EA
NAVD NGVD 29

WEIT
LASIN TECH DRILL
20'

20'

100
111 98 800 300V F11

MARSH N T W

ELEV. 18.12

● DATE 6 4 10

BY EA

NAVD

NGVD 29

WELL
20'



MARSH N T W
ELEV. 10.13
DATE 6 4 10
BY E W
NAVD NEDD 23



MARSH N TW

ELEV. 18.13

DATE 6 4 10

BY EA

NAVD

NGVD 29

694

MARSH S TW
ELEV. 18.21
DATE 6 4 10
BY EA
NAVD NGVD 29

In-Situ Inc. Massachusetts
24 pipe 6

Vented
Ground

MARSH S TW
ELEV. 18.21
DATE 6 4 10
BY EA
NAVD

NGVD 29

Vented
Pugged

MARSH S TW

ELEV. 18.07

DATE 6 4 10

BY EA

NAVD

NGVD 29

MARSH S TW
ELEV. 18.07
DATE 6 4 10
BY EA
NAVD NGVD 29



PGA N. T.W.
ELEV. 17.16
DATE 6 4 10
BY EA
MAYO
MGVD 29

MONITORING SYSTEM
CONSERVATION

WELL

PGA N TW
ELEV. 17.16
DATE 04 10
BY EA
NAVD NGVD 29

WELL

REGISTRATION WORKSHEET - C18P Addendum

Site Name: **C18P** Today's Date: _____ Type Recorder: **TROL**
 Activity: **Addendum** Effective Date: **4/6/2010** Start Date of Data : **4/6/2010**
 Customer: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Internal Order: **Functional Area P117**
 Fund: **101410**
 Project Manager: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Contract #: **PO 4500047279**
 Project Name: **G160-Lox Slough** Legal Mandate: **CERP**

Short Common Name / Description: G160-Loxahatchee Slough Groundwater Surface Water Interaction Study

Proj. Mgr. Notes: Two well cluster on the east side of C-18

Site Directions:

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: _____ # _____

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type: _____

Array ID Configuration table attached _____

SURVEY INFORMATION

B.M. Elevation: **19.64 ft** Date: **6/9/2010** Stamp: _____
 Agency: _____ Type: _____ Datum: **NGVD 29**

Benchmark Location/ Description

COMMUNICATIONS INFORMATION

Communications System: _____ Loggernet Server: _____ Loggernet IP Address: _____
 Tower: _____ Communication Type: _____ R.F. Code/Modem Address: _____ R.F. Access Point: _____
 Phone Number: _____
 RTU Address: _____ Gateways: _____

WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
GW1	C18P-S	19.55 ft NGVD	6/9/2010	19.55 ft NGVD	-0.9 ft NGVD	19.8 ft NGVD	19.64 ft	NGVD 29	top of casing
GW2	C18P-D	19.53 ft NGVD	6/9/2010	19.53 ft NGVD	-48.7 ft NGVD	19.8 ft NGVD	19.64 ft	NGVD 29	top of casing

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted								
GW1			19.8 ft NGVD	20.5 ft	monitor	18.5 ft bls	20.5 ft bls	water level								
GW2			19.8 ft NGVD	68.2 ft	monitor	58.2 ft bls	68.2 bls	water level								

COORDINATE INFORMATION

Item/Param	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	265201.595	801034.467	924720.76	921739.8	32	41	42	C18		Palm Beach	
GW2	265201.542	801034.442	924723.03	921734.4	32	41	42	C18		Palm Beach	

REGISTRATION WORKSHEET - EB Addendum

Site Name: **EB** Today's Date: Type Recorder: **TROL**
 Activity: **Addendum** Effective Date: **4/6/2010** Start Date of Data : **4/6/2010**
 Customer: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Internal Order: **Functional Area P117**
 Fund: **101410**
 Project Manager: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Contract #: **PO 4500047279**
 Project Name: **G160-Lox Slough** Legal Mandate: **CERP**

Short Common Name / Description: **G160-Loxahatchee Slough Groundwater Surface Water Interaction Study**

Proj. Mgr. Notes: **Cluster of two monitor wells along the east berm of a canal owned by South Indian River Water Control District.**

Site Directions:

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: #

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type:

Array ID Configuration table attached

SURVEY INFORMATION

B.M. Elevation: **20.77 ft** Date: **6/9/2010** Stamp:
 Agency: Type: Datum: **NGVD 29**

Benchmark Location/ Description:

COMMUNICATIONS INFORMATION

Communications System: Loggernet Server: Loggernet IP Address:

Tower: Communication Type: R.F. Code/Modem Address: R.F. Access Point:

Phone Number:

RTU Address: Gateways:

WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
GW1	EB-S	20.44 ft NGVD	6/9/2010	20.44 ft NGVD	0.1 ft NGVD	20.9 ft NGVD	20.77 ft	NGVD 29	top of casing
GW2	EB-D	20.6 ft NGVD	6/9/2010	20.6 ft NGVD	-49.3 ft NGVD	20.9 ft NGVD	20.77 ft	NGVD 29	top of casing

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted								
GW1			20.9 ft NGVD	20.3 ft	monitor	18.3 ft bls	20.3 ft bls	water level								
GW2			20.9 ft NGVD	70	monitor	60 ft bls	70 ft bls	water level								

COORDINATE INFORMATION

Item/Param	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	265307.59	800838.673	935162.28	928473.3	21	1	42	C18		Palm Beach	
GW2	265307.641	800838.664	935163.07	928478.6	21	41	42	C18		Palm Beach	

REGISTRATION WORKSHEET - NWB Addendum

Site Name: **NWB** Today's Date: _____ Type Recorder: **TROL**
 Activity: **Addendum** Effective Date: **4/6/2010** Start Date of Data : **4/6/2010**
 Customer: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Internal Order: **Functional Area P117**
 Fund: **101410**
 Project Manager: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Contract #: **PO 4500047279**
 Project Name: **G160-Lox Slough** Legal Mandate: **CERP**

Short Common Name / Description: G160-Loxahatchee Slough Groundwater Surface Water Interaction Study

Proj. Mgr. Notes: Two well cluster on the northwest berm of a South Indian River Water Control District canal.

Site Directions:

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: _____ # _____

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type: _____

Array ID Configuration table attached _____

SURVEY INFORMATION

B.M. Elevation: **18.56 ft** Date: **6/9/2010** Stamp: _____
 Agency: _____ Type: _____ Datum: **NGVD 29**

Benchmark Location/ Description

COMMUNICATIONS INFORMATION

Communications System: _____ Loggernet Server: _____ Loggernet IP Address: _____

Tower: _____ Communication Type: _____ R.F. Code/Modem Address: _____ R.F. Access Point: _____

Phone Number: _____

RTU Address: _____ Gateways: _____

WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
GW1	NWB-S	18.44 ft NGVD	6/9/2010	18.44 ft NGVD	-1.6 ft NGVD	18.70 ft NGVD	18.56 ft	NGVD 29	top of casing
GW2	NWB-D	18.41 ft NGVD	6/9/2010	18.41 ft NGVD	-51.8 ft NGVD	18.7 ft NGVD	18.56 ft	NGVD 29	top of casing

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted								
GW1			18.7 ft NGVD	20 ft	monitor	18 ft bls	20 ft bls	water level								
GW2			18.7 ft NGVD	70 ft	monitor	60 ft bls	70 ft bls	water level								

COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	265348.923	801030.628	924997.84	932579.9	20	41	42	C18		Palm Beach	
GW2	265348.921	801030.69	924992.21	932579.7	20	41	42	C18		Palm Beach	

REGISTRATION WORKSHEET - OMN Addendum

Site Name: **OMN** Today's Date: Type Recorder: **TROL**
 Activity: **Addendum** Effective Date: **4/6/2010** Start Date of Data : **4/6/2010**
 Customer: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Internal Order: **Functional Area P117**
 Fund: **101410**
 Project Manager: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Contract #: **PO 4500047279**
 Project Name: **G160-Lox Slough** Legal Mandate: **CERP**

Short Common Name / Description: **G160-Loxahatchee Slough Groundwater Surface Water Interaction Study**

Proj. Mgr. Notes: **Cluster of two monitor wells on the north boundary of Old Marsh development**

Site Directions:

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: #
 Recorder Location/Purpose: **Water Control Structure (Flow Site)** Structure Type:
 Array ID Configuration table attached

SURVEY INFORMATION

B.M. Elevation: **18.15 ft** Date: **6/9/2010** Stamp:
 Agency: Type: Datum: **NGVD 29**

Benchmark Location/ Description

COMMUNICATIONS INFORMATION

Communications System: Loggernet Server: Loggernet IP Address:
 Tower: Communication Type: R.F. Code/Modem Address: R.F. Access Point:
 Phone Number:
 RTU Address: Gateways:

WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
GW1	OMN-S	18.12 ft NGVD	6/9/2010	18.12 ft NGVD	-2.0 ft NGVD	18.3 ft NGVD	18.15 ft	NGVD 29	top of casing
GW2	OMN-D	20.44 ft NGVD	6/9/2010	20.44 ft NGVD	-51.3 ft NGVD	18.3 ft NGVD	18.15 ft	NGVD 29	top of casing

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted								
GW1		18.12 ft NGVD	18.3 ft NGVD	20.08 ft	monitor	18.08 ft bls	20.08 ft bls	static								
GW2		20.44 ft NGVD	18.3 ft NGVD	69.4 ft	monitor	59.4 ft bls	69.4 ft bls	Static								

COORDINATE INFORMATION

Item/Param	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	265232.622	800908.678	932468.99	924924.1	28	41	41	C18		Palm Beach	
GW2	265232.628	800908.744	932463.01	924924.7	28	41	42	C18		Palm Beach	

REGISTRATION WORKSHEET - OMS Addendum

Site Name: **OMS** Today's Date: _____ Type Recorder: **TROL**
 Activity: **Addendum** Effective Date: _____ Start Date of Data : **4/6/2010**
 Customer: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Internal Order: **Functional Area P117**
 Fund: **101410**
 Project Manager: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Contract #: **PO 4500047279**
 Project Name: **G160-Lox Slough** Legal Mandate: **CERP**

Short Common Name / Description: G160-Loxahatchee Slough Groundwater Surface Water Interaction Study

Proj. Mgr. Notes: This site is a two well cluster near the Old Marsh community in northern Palm Beach County.

Site Directions:

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: _____ # _____

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type: _____

Array ID Configuration table attached **YES**

SURVEY INFORMATION

B.M. Elevation: **18.38 ft NGVD** Date: **6/9/2010** Stamp: _____
 Agency: _____ Type: _____ Datum: **NGVD 29**

Benchmark Location/ Description

COMMUNICATIONS INFORMATION

Communications System: _____ Loggernet Server: _____ Loggernet IP Address: _____
 Tower: _____ Communication Type: _____ R.F. Code/Modem Address: _____ R.F. Access Point: _____
 Phone Number: _____
 RTU Address: _____ Gateways: _____

WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
GW1	OMS-S	18.24 ft NGVD	6/9/2010	18.21 ft NGVD	-1.8 ft NGVD	18.6 ft NGVD	18.38 ft	NGVD 29	top of casing
GW2	OMS-D	18.07 ft NGVD	6/9/2010	18.07 ft NGVD	-50.8 ft NGVD	18.8 ft NGVD	18.38 ft	NGVD 29	top of casing

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted
GW1		18.24 ft NGVD	18.6 ft NGVD	20 ft	monitor	18 ft bls	20 ft bls	static
GW2		18.07 ft NGVD	18.6 ft NGVD	68.7 ft	monitor	58.7 ft bls	68.7 ft bls	static

COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	265201.48	800939.057	929738.83	921761.1	33	41	42	C18		Palm Beach	
GW2	265201.478	800938.997	929744.24	921760.9	33	41	42	C18		Palm Beach	

REGISTRATION WORKSHEET - PGA-N Addendum

Site Name: **PGA-N** Today's Date: _____ Type Recorder: **TROL**
 Activity: **Addendum** Effective Date: **4/6/2010** Start Date of Data : **4/6/2010**
 Customer: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Internal Order: **Functional Area P117**
 Fund: **101410**
 Project Manager: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Contract #: **PO 4500047279**
 Project Name: **G160-Lox Slough** Legal Mandate: **CERP**

Short Common Name / Description: G160-Loxahatchee Slough Groundwater Surface Water Interaction Study

Proj. Mgr. Notes:

Site Directions:

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: _____ # _____

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type: _____

Array ID Configuration table attached _____

SURVEY INFORMATION

B.M. Elevation: **17.13 ft** Date: **6/9/2010** Stamp: _____

Agency: _____ Type: _____ Datum: **NGVD 29**

Benchmark Location/ Description

COMMUNICATIONS INFORMATION

Communications System: _____ Loggernet Server: _____ Loggernet IP Address: _____

Tower: _____ Communication Type: _____ R.F. Code/Modem Address: _____ R.F. Access Point: _____

Phone Number: _____

RTU Address: _____ Gateways: _____

WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
GW1	PGA-N	17.16 ft NGVD	6/9/2010	17.16 ft NGV	-2.8 ft NGV	17.10 ft NGVD	17.13	NGVD 29	top of casing

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted							
GW1			17.10 ft NGV	20 ft	monitor	18 ft bls	20 ft bls	static							

COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	265020.598	800942.182	929523.169	911572.3	9	42	42	C18		Palm Beach	

REGISTRATION WORKSHEET - PGA-S Addendum

Site Name: **PGA-S** Today's Date: _____ Type Recorder: **TROL**
 Activity: **Addendum** Effective Date: **4/6/2010** Start Date of Data : **4/6/2010**
 Customer: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Internal Order: **Functional Area P117**
 Fund: **101410**
 Project Manager: **Beth Kacvinsky** Bus. Area: **8322** Agency: **SFWMD** Contract #: **PO 4500047279**
 Project Name: **G160-Lox Slough** Legal Mandate: **CERP**

Short Common Name / Description: G160 - Loxahatchee Slough Groundwater Surface Water Interaction Study

Proj. Mgr. Notes:

Site Directions:

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: _____ # _____

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type: _____

Array ID Configuration table attached _____

SURVEY INFORMATION

B.M. Elevation: **17.21 ft** Date: **6/9/2010** Stamp: _____
 Agency: _____ Type: _____ Datum: **NGVD 29**

Benchmark Location/ Description

COMMUNICATIONS INFORMATION

Communications System: _____ Loggernet Server: _____ Loggernet IP Address: _____
 Tower: _____ Communication Type: _____ R.F. Code/Modem Address: _____ R.F. Access Point: _____
 Phone Number: _____
 RTU Address: _____ Gateways: _____

WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
GW1	PGA-S	17.09 ft NGVD	6/9/2010	17.09 ft NGVD	-2.9 ft NGVD	17.4 ft NGVD	17.21 ft	NGVD 29	top of casing

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted								
GW1		17.09 ft NGVD	17.4 ft NGVD	19.95 ft	monitor	17.95 ft bls	19.95 ft bls	static								

COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	264853.908	800914.456	932093.046	902835.1	18	42	42	C18		Palm Beach	

Office

Project

21 August 2017

INPUT

State Plane, flhpgn - Florida HPGN
0901 - Florida East, U.S. Feet
Vertical - NAVD88, U.S. Feet

OUTPUT

Geographic, flhpgn - Florida HPGN
Vertical - NGVD29 (Custom), U.S. Feet

BERM-NW

1/3

Northing/Y: 832580.09
Easting/X: 825003.90
Elevation/Z: 0
Convergence: 0 13 53.73414
Scale Factor: 0.999973860
Combined Factor: 0.999977822

Latitude: 26 37 23.84687
Longitude: 80 28 59.53611
Elevation/Z: 1.434

BERM-NE

2/3

Northing/Y: 932566.05
Easting/X: 931916.27
Elevation/Z: 0
Convergence: 0 22 57.95442
Scale Factor: 1.000028353
Combined Factor: 1.000032577

Latitude: 26 53 48.35247
Longitude: 80 09 14.19728
Elevation/Z: 1.503

BERM-NS

3/3

Northing/Y: 928462.23
Easting/X: 935161.95
Elevation/Z: 0
Convergence: 0 23 13.49106
Scale Factor: 1.000030418
Combined Factor: 1.000034639

Latitude: 26 53 07.49808
Longitude: 80 08 38.65648
Elevation/Z: 1.509

Remark:

Corpscon v6.0.1, U.S. Army Corps of Engineers

Office

Project

21 August 2017

INPUT

State Plane, flhpgn - Florida HPGN
0901 - Florida East, U.S. Feet
Vertical - NAVD88, U.S. Feet

OUTPUT

Geographic, flhpgn - Florida HPGN
Vertical - NGVD29 (Custom), U.S. Feet

MARSH-N

1/7

Northing/Y: 924924.17
Easting/X: 932473.72
Elevation/Z: 0
Convergence: 0 22 59.48565
Scale Factor: 1.000028707
Combined Factor: 1.000032916

Latitude: 26 52 32.64101
Longitude: 80 09 08.60517
Elevation/Z: 1.509

MARSH-S

2/7

Northing/Y: 921750.07
Easting/X: 929744.18
Elevation/Z: 0
Convergence: 0 22 45.34457
Scale Factor: 1.000026986
Combined Factor: 1.000031185

Latitude: 26 52 01.38889
Longitude: 80 09 38.97826
Elevation/Z: 1.512

PGA-N

3/7

Northing/Y: 911570.40
Easting/X: 929521.33
Elevation/Z: 0
Convergence: 0 22 42.58089
Scale Factor: 1.000026847
Combined Factor: 1.000031025

Latitude: 26 50 20.59750
Longitude: 80 09 42.18179
Elevation/Z: 1.522

C-18-P

4/7

Northing/Y: 921737.11
Easting/X: 924721.71
Elevation/Z: 0
Convergence: 0 22 20.28031
Scale Factor: 1.000023864
Combined Factor: 1.000028055

Latitude: 26 52 01.58676
Longitude: 80 10 34.43592
Elevation/Z: 1.509

Remark:

Corpscon v6.0.1, U.S. Army Corps of Engineers

Office

Project

21 August 2017

INPUT

State Plane, flhpgn - Florida HPGN
0901 - Florida East, U.S. Feet
Vertical - NAVD88, U.S. Feet

OUTPUT

Geographic, flhpgn - Florida HPGN
Vertical - NGVD29 (Custom), U.S. Feet

PGA-S

5/7

Northing/Y: 902833.32
Easting/X: 932091.17
Elevation/Z: 0
Convergence: 0 22 53.95856
Scale Factor: 1.000028465
Combined Factor: 1.000032630

Latitude: 26 48 53.90795
Longitude: 80 09 14.45613
Elevation/Z: 1.532

LOXSLU-1

6/7

Northing/Y: 932716.10
Easting/X: 924835.71
Elevation/Z: 0
Convergence: 0 22 22.60087
Scale Factor: 1.000023934
Combined Factor: 1.000028146

Latitude: 26 53 50.30077
Longitude: 80 10 32.38848
Elevation/Z: 1.493

LOXSLU-2

7/7

Northing/Y: 932448.83
Easting/X: 924837.54
Elevation/Z: 0
Convergence: 0 22 22.56736
Scale Factor: 1.000023935
Combined Factor: 1.000028147

Latitude: 26 53 47.65397
Longitude: 80 10 32.38748
Elevation/Z: 1.493

Remark:

Corpscon v6.0.1, U.S. Army Corps of Engineers

DBHYDRO | by station

STATION INFORMATION

Station	C18P-D
Site	C18P
Type	WELL
Latitude (ddmmss.sss)	265201.542
Longitude (ddmmss.sss)	801034.442
X Coord (ft) NAD83	924723.03
Y Coord (ft) NAD83	921734.42
County	Palm Beach
Basin	C-18/CORBETT
Section	32
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	DEEP MONITOR WELL ADJACENT TO C-18 - G160/LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

[Get Time Series Data](#)

DBHYDRO | by station

STATION INFORMATION

Station	C18P-S
Site	C18P
Type	WELL
Latitude (ddmmss.sss)	265201.595
Longitude (ddmmss.sss)	801034.467
X Coord (ft) NAD83	924720.76
Y Coord (ft) NAD83	921739.79
County	Palm Beach
Basin	C-18/CORBETT
Section	32
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	SHALLOW MONITOR WELL ADJACENT TO C-18 - G160/LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

[Get Time Series Data](#)

DBHYDRO | by station

STATION INFORMATION

Station	NEB-D
Site	NEB
Type	WELL
Latitude (ddmmss.sss)	265348.334
Longitude (ddmmss.sss)	800914.107
X Coord (ft) NAD83	931926.29
Y Coord (ft) NAD83	932566.12
County	Palm Beach
Basin	C-18/CORBETT
Section	21
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	DEEP MONITOR WELL ON NE BERM - G160/LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

[Get Time Series Data](#)

DBHYDRO | by station

STATION INFORMATION

Station	NEB-S
Site	NEB
Type	WELL
Latitude (ddmmss.sss)	265348.335
Longitude (ddmmss.sss)	800914.168
X Coord (ft) NAD83	931920.8
Y Coord (ft) NAD83	932566.19
County	Palm Beach
Basin	C-18/CORBETT
Section	21
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	SHALLOW WELL ON NE BERM - G160/LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

Get Time Series Data

DBHYDRO | by station

STATION INFORMATION

Station	EB-D
Site	EB
Type	WELL
Latitude (ddmmss.sss)	265307.641
Longitude (ddmmss.sss)	800838.664
X Coord (ft) NAD83	935163.07
Y Coord (ft) NAD83	928478.56
County	Palm Beach
Basin	C-18/CORBETT
Section	21
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	DEEP EAST BERM WELL - G160/LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

[Get Time Series Data](#)

DBHYDRO | by station

STATION INFORMATION

Station	EB-S
Site	EB
Type	WELL
Latitude (ddmmss.sss)	265307.59
Longitude (ddmmss.sss)	800838.673
X Coord (ft) NAD83	935162.28
Y Coord (ft) NAD83	928473.32
County	Palm Beach
Basin	C-18/CORBETT
Section	21
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	SHALLOW EAST BERM WELL - G160/LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

Get Time Series Data

DBHYDRO | by station

STATION INFORMATION

Station	NWB-D
Site	NWB
Type	WELL
Latitude (ddmmss.sss)	265348.921
Longitude (ddmmss.sss)	801030.69
X Coord (ft) NAD83	924992.21
Y Coord (ft) NAD83	932579.66
County	Palm Beach
Basin	C-18/CORBETT
Section	20
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	DEEP MONITOR WELL ON NW BERM - G160/LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

[Get Time Series Data](#)

DBHYDRO | by station

STATION INFORMATION

Station	NWB-S
Site	NWB
Type	WELL
Latitude (ddmmss.sss)	265348.923
Longitude (ddmmss.sss)	801030.628
X Coord (ft) NAD83	924997.84
Y Coord (ft) NAD83	932579.89
County	Palm Beach
Basin	C-18/CORBETT
Section	20
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	SHALLOW WELL ON NW BERM - G160/LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

Get Time Series Data

DBHYDRO | by station

STATION INFORMATION

Station	OMN-D
Site	OMN
Type	WELL
Latitude (ddmmss.sss)	265232.628
Longitude (ddmmss.sss)	800908.744
X Coord (ft) NAD83	932463.01
Y Coord (ft) NAD83	924924.67
County	Palm Beach
Basin	C-18/CORBETT
Section	28
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	DEEP MONITOR WELL ON N BOUNDARY OF OLD MARSH DEVELOPMENT -G160/LOX SLOUGH PROJ
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

[Get Time Series Data](#)

DBHYDRO | by station

STATION INFORMATION

Station	OMN-S
Site	OMN
Type	WELL
Latitude (ddmmss.sss)	265232.622
Longitude (ddmmss.sss)	800908.678
X Coord (ft) NAD83	932468.99
Y Coord (ft) NAD83	924924.08
County	Palm Beach
Basin	C-18/CORBETT
Section	28
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	SHALLOW MONITOR WELL ON N BOUNDARY OF OLD MARSH - G160/LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

[Get Time Series Data](#)

DBHYDRO | by station

STATION INFORMATION

Station	OMS-D
Site	OMS
Type	WELL
Latitude (ddmmss.sss)	265201.478
Longitude (ddmmss.sss)	800938.997
X Coord (ft) NAD83	929744.24
Y Coord (ft) NAD83	921760.85
County	Palm Beach
Basin	C-18/CORBETT
Section	33
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	MONITOR WELL AT SW CORNER OF OLD MARSH DEVELOPMENT - G160/LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

[Get Time Series Data](#)

DBHYDRO | by station

STATION INFORMATION

Station	OMS-S
Site	OMS
Type	WELL
Latitude (ddmmss.sss)	265201.48
Longitude (ddmmss.sss)	800939.057
X Coord (ft) NAD83	929738.83
Y Coord (ft) NAD83	921761.05
County	Palm Beach
Basin	C-18/CORBETT
Section	33
Township	41
Range	42
Show Map	Google Map
Well Info	Info
Description	MONITOR WELL AT SW CORNER OF OLD MARSH DEVELOPMENT - G160/LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

[Get Time Series Data](#)

DBHYDRO | by station

STATION INFORMATION

Station	PGA-N
Site	PGAN
Type	WELL
Latitude (ddmmss.sss)	265020.598
Longitude (ddmmss.sss)	800942.182
X Coord (ft) NAD83	929523.169
Y Coord (ft) NAD83	911572.274
County	Palm Beach
Basin	C-18/CORBETT
Section	9
Township	42
Range	42
Show Map	Google Map
Well Info	Info
Description	MONITOR WELL FOR G-160 LOX SLOUGH PROJECT, NEAR PGA BLVD
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

[Get Time Series Data](#)

DBHYDRO | by station

STATION INFORMATION

Station	PGA-S
Site	PGAS
Type	WELL
Latitude (ddmmss.sss)	264853.908
Longitude (ddmmss.sss)	800914.456
X Coord (ft) NAD83	932093.046
Y Coord (ft) NAD83	902835.131
County	Palm Beach
Basin	C-18/CORBETT
Section	16
Township	42
Range	42
Show Map	Google Map
Well Info	Info
Description	MONITOR WELL FOR G-160 LOX SLOUGH PROJECT
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

Get Time Series Data