SEC. 1 TWP 28 RGE 30

TO VERIFY REF ELEVATION FOR WELLS (OSF 04) C-34

STA	+	H.I.	−	ELEV.	REMARKS
BM "CC 34"	5.35 8.30	67.13		61.78	
			6.11 7.54	61.02	
TP/TBM					
BM "H 506"			5.58 8.07	61.55	(61.572)

FOR WELLS

TP/TBM.	5.97 7.68	66.99		61.02	
OLF REF PT FOR GW 3			3.69	63.30	(62.79)
NEW REF PT GW 3			3.185	63.805	
GW #1 (WEST)			1.86 11.79	65.13	(64.63)
GW #2 (EAST)			2.10 11.55	64.89	(64.48)
EAST WELL AT GW. 4" PVC			4.85 8.80	62.14	

SEC. TWP. RGE. FB BANKS MAYES.

BENCH RUN TO ESTABLISH REF. ELEVATION FOR GROUND WATER WELL @ INDIAN LAKES

STA	+	H.I.	−	ELEV	REMARKS.
KR 122 RESET	6.28 7.37	109.15		102.87	FND. (GOOD)
			4.36 9.29	104.79	
TP					
	5.59 8.06	110.38			
TP			3.92 9.73	106.46	
	5.77 7.88	112.23			
TP			3.44 10.21	108.79	
	5.61 8.04	114.40			
TP			3.73 9.92	110.67	
	5.76 7.89	116.43			
TP			4.05 9.60	112.38	
	5.90 7.75	118.28			
TP			3.38 10.27	114.90	
	5.56 8.09	120.46			
TP			4.17 9.48	116.29	
	4.95 8.70	121.24			
TBM.			3.90 9.75	117.34 (−0.01) ADJ = 117.33	SET PK @ EP.

INDIAN LAKES Bench Run Cont'd.

HA	+	H.I.	−	Elev.	Remarks
TBM	4.05	121.39		117.34	PK.
	9.60				
TP			5.10	116.29	
			8.55		
	3.99	120.28			
	9.66				
TP			5.41	114.87	
			8.24		
	3.24	118.11			
	10.41				
TP			5.73	112.38	
			7.92		
	3.94	116.32			
	9.71				
TP			5.64	110.68	
			8.01		
	3.71	114.39			
	9.94				
TP			5.64	108.75	
			8.01		
	3.31	112.06			
	10.34				
TP			5.62	106.44	
			8.03		
	3.53	109.97			
	10.12				
TP.			5.19	104.78	
			8.46		
	3.89	108.67			
	9.76				
BM KR 122 Rusht.			5.78	102.89	[102.87]
			7.87	(+0.02)	

INDIAN LAKES Bench Run CONT'D.

HA	+	H.I.	−	Elev.	Remarks
TBM	4.53	121.86		117.33	PK @ EP.
	9.12				
TP.			4.54	117.32	
			9.11		
	4.65	121.97			
	9.00				
TP			4.55	117.42	
			9.10		
	4.32	121.74			
	9.33				
TP			4.32	117.42	
			9.33		
	4.56	121.98			
	9.09				
TP			4.38	117.60	
			9.27		
	4.93	122.53			
	8.72				
TP			4.71	117.82	
			8.94		
	4.20	122.02			
	9.45				
TP			4.15	117.87	
			9.50		
	4.48	122.35			
	9.17				
TP			4.42	117.93	
			9.23		
	5.25	123.18			
	8.40				
INDIAN LAKES GW WELL			1.01	122.17	
			12.64		
		Ft. Levels.			
INDIAN LAKES GW WELL	0.71	122.88		122.17	
	12.94				
TP			4.95	117.93	
			8.70		

Indian Lakes Bench Run Cont'd.

STA	+	H.I.	−	Elev.	Remarks
	4.55	122.48			
	9.10				
TP			4.54	117.94	
			9.11		
	4.42	122.36			
	9.23				
TP			4.56	117.80	
			9.09		
	4.78	122.58			
	8.87				
TP			5.01	117.57	
			8.64		
	4.37	121.94			
	9.28				
TP			4.53	117.41	
			9.12		
	4.50	121.91			
	9.15				
TP			4.41	117.50	
			9.24		
	4.30	121.80			
	9.35				
TP			4.53	117.27	
			9.12		
	4.62	121.89			
	9.03				
BM			4.56	117.33	[117.33]
			9.09		
		AT SITE			
GW. Well	1.11	123.28		122.17	
	12.54				
SHOT RR SPK. 12" PINE TREE 30'± N. OF WELL			2.886	120.444	
			10.814		

Indian Lakes Groundwater

PROJECT: KR122 FIELD BOOK ESDA MISC 6 ORDER 3RD ADJ. BY HE
LINE FROM RESET TO RR SPIKE @ INDLK WELL PARTY CHIEF EBANKS COUNTY OSCEOLA DATE 12/3/15

SECTION	DISTANCE	F & B	SUM RODREADINGS BACK +	SUM RODREADINGS FWD. -	DIFF. ELEV.	MEAN DIFF.	ELEVATIONS UNADJ.	ELEVATIONS CORR.	ELEVATIONS ADJ.	REMARKS
~~KR122 RESET~~									102.867 (31.354m) (29)	
		F	45.42	30.95	+14.47				101.663 (30.987m) (88)	
		B	29.66	44.11	-14.45	+14.46				DIFF. (0.367m) 1.204'
TBM									117.327	
		F	36.92	32.08	+4.84					
		B	32.25	37.09	-4.84	+4.84				
~~RR SPIKE~~									122.167 (29)	
WELL									120.963 (88) 122.167 2483333 (29)	
		F	1.11	2.836					+1.204065 120.963 1825 (88)	
RR SPIKE									120.441248 (29)	
									119.237 1825 (88)	


RR Spike
10.06.2009 16:17
Looking Northeast


10.06.2009 16:24


HUMIDITY INDICATOR
MS20003-2
EXAMINE ITEM IF PINK
CHANGE DESICCANT IF PINK
WARNING IF PINK
V.H.F.
CHAN 1 165.425
CHAN 2 170.250
CHAN 3 171.025
CHAN 4 171.975
DL-3400
CAMPBELL SCIENTIFIC INC.
CR10
10.06.2009 16:24


INDIAN LAKES W
ELEV 122.17
DATE 1 20 04
BY EE MM
10.06.2009 16:25


10.06.2009 16:27
Looking West, Southwest


10.22.2010
Looking Southerly

The NGS Data Sheet

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

```
PROGRAM = datasheet95, VERSION = 8.8
1        National Geodetic Survey,   Retrieval Date = DECEMBER  3, 2015
 AF6111 ***********************************************************************
 AF6111  DESIGNATION -  KR 122 RESET
 AF6111  PID         -  AF6111
 AF6111  STATE/COUNTY-  FL/POLK
 AF6111  COUNTRY     -  US
 AF6111  USGS QUAD   -  LAKE WEOHYAKAPKA SE (1993)
 AF6111
 AF6111                        *CURRENT SURVEY CONTROL
 AF6111  ______________________________________________________________________
 AF6111* NAD 83(1986) POSITION- 27 48 20.     (N) 081 18 56.     (W)    SCALED
 AF6111* NAVD 88 ORTHO HEIGHT -    30.987 (meters)      101.66  (feet) ADJUSTED
 AF6111  ______________________________________________________________________
 AF6111  GEOID HEIGHT    -        -26.882 (meters)                     GEOID12B
 AF6111  DYNAMIC HEIGHT  -         30.941 (meters)      101.51  (feet) COMP
 AF6111  MODELED GRAVITY -    979,138.2   (mgal)                       NAVD 88
 AF6111
 AF6111  VERT ORDER      -  FIRST     CLASS II
 AF6111
 AF6111.The horizontal coordinates were scaled from a topographic map and have
 AF6111.an estimated accuracy of +/- 6 seconds.
 AF6111.
 AF6111.The orthometric height was determined by differential leveling and
 AF6111.adjusted by the NATIONAL GEODETIC SURVEY
 AF6111.in June 1991.
 AF6111
 AF6111.Significant digits in the geoid height do not necessarily reflect accuracy.
 AF6111.GEOID12B height accuracy estimate available here.
 AF6111
 AF6111.The dynamic height is computed by dividing the NAVD 88
 AF6111.geopotential number by the normal gravity value computed on the
 AF6111.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AF6111.degrees latitude (g = 980.6199 gals.).
 AF6111
 AF6111.The modeled gravity was interpolated from observed gravity values.
 AF6111
 AF6111;                    North         East     Units  Estimated Accuracy
 AF6111;SPC FL W     -   384,850.      267,440.      MT  (+/- 180 meters Scaled)
 AF6111
 AF6111                          SUPERSEDED SURVEY CONTROL
 AF6111
 AF6111  NGVD 29 (09/01/92)    31.354  (m)           102.87   (f) ADJUSTED    2 1
 AF6111
 AF6111.Superseded values are not recommended for survey control.
 AF6111
 AF6111.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 AF6111.See file dsdata.txt to determine how the superseded data were derived.
 AF6111
 AF6111_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML689757(NAD 83)
 AF6111
 AF6111_MARKER: DS = TRIANGULATION STATION DISK
 AF6111_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 AF6111_STAMPING: KR 122 RESET 1974
 AF6111_MARK LOGO: NGS
 AF6111_PROJECTION: FLUSH
 AF6111_MAGNETIC: N = NO MAGNETIC MATERIAL
```

```
AF6111_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AF6111+STABILITY: SURFACE MOTION
AF6111_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AF6111+SATELLITE: SATELLITE OBSERVATIONS - April 14, 2007
AF6111
AF6111  HISTORY     - Date     Condition        Report By
AF6111  HISTORY     - 1974     MONUMENTED       NGS
AF6111  HISTORY     - 1983     GOOD             FLDNR
AF6111  HISTORY     - 19970122 GOOD             USPSQD
AF6111  HISTORY     - 20010118 GOOD             FLDEP
AF6111  HISTORY     - 20030403 GOOD             FLDEP
AF6111  HISTORY     - 20070414 GOOD             FLDEP
AF6111
AF6111                          STATION DESCRIPTION
AF6111
AF6111'DESCRIBED BY FL DEPT OF NAT RES 1983
AF6111'18.25 MI ESE FROM LAKE WALES.
AF6111'BEGIN AT THE STATE HIGHWAY 60 BRIDGE OVER THE SCL RAILROAD IN LAKE
AF6111'WALES, GO 18.25 MILES EASTERLY ON HIGHWAY 60 TO THE JUNCTION OF COUNTY
AF6111'ROAD C 630 AND THE MARK.  THE MARK BEARS 117.6 FEET SOUTH OF THE
AF6111'CENTERLINE OF HIGHWAY 60, 132.75 FEET SOUTHEAST OF THE CENTERLINE OF
AF6111'C 630, 1.5 FEET WEST OF POWER POLE 17-111, AND 1.7 FEET EAST OF A
AF6111'METAL WITNESS POST.
AF6111'THE MARK CAN ALSO BE REACHED BY GOING 7.4 MILES WEST ON HIGHWAY 60
AF6111'FROM THE BRIDGE OVER THE KISSIMMEE RIVER.
AF6111'THE MARK IS 3 FT BELOW CENTERLINE OF HIGHWAY.
AF6111
AF6111                          STATION RECOVERY (1997)
AF6111
AF6111'RECOVERY NOTE BY US POWER SQUADRON 1997
AF6111'RECOVERED IN GOOD CONDITION.
AF6111
AF6111                          STATION RECOVERY (2001)
AF6111
AF6111'RECOVERY NOTE BY FL DEPT OF ENV PRO 2001 (JLM)
AF6111'THE MARK IS ABOUT 60.8 MI (97.8 KM) NORTH-NORTHWEST OF VERO BEACH,
AF6111'19.8 MI (31.9 KM) EAST-SOUTHEAST OF LAKE WALES, IN SECTION 10,
AF6111'TOWNSHIP 31 SOUTH, RANGE 30 EAST. TO REACH THE MARK FROM THE
AF6111'INTERSECTION OF STATE ROAD 27 AND STATE ROAD 60 IN LAKE WALES, GO
AF6111'EAST-SOUTHEAST ON STATE ROAD 60 FOR 7.3 MI (11.7 KM) TO THE JUNCTION
AF6111'OF MAMMOTH GROVE ROAD ON THE LEFT, CONTINUE EAST-SOUTHEAST ON STATE
AF6111'ROAD 60 FOR 7.85 MI (12.63 KM) TO THE JUNCTION OF SAM KEEN ROAD ON THE
AF6111'LEFT, CONTINUE EAST-SOUTHEAST ON STATE ROAD 60 FOR 4.5 MI (7.2 KM) TO
AF6111'THE JUNCTION OF COUNTY ROAD C-630 ON THE RIGHT AND THE MARK ON THE
AF6111'RIGHT, SET IN THE TOP OF A ROUND CONCRETE MONUMENT PROJECTING 0.6 FT
AF6111'(18.3 CM) ABOVE THE LEVEL OF THE GROUND AND 3.0 FT (0.9 M) BELOW THE
AF6111'LEVEL OF STATE ROAD 60. LOCATED 132.7 FT (40.4 M) SOUTHEAST OF THE
AF6111'CENTERLINE OF COUNTY ROAD 630, 117.6 FT (35.8 M) SOUTH OF THE
AF6111'CENTERLINE OF STATE ROAD 60, 1.7 FT (0.5 M) EAST OF A METAL WITNESS
AF6111'POST AND 1.5 FT (0.5 M) WEST OF POWER POLE NUMBER 17-111.
AF6111
AF6111                          STATION RECOVERY (2003)
AF6111
AF6111'RECOVERY NOTE BY FL DEPT OF ENV PRO 2003 (BPJ)
AF6111'RECOVERED AS DESCRIBED.
AF6111'
AF6111'
AF6111'
AF6111'
AF6111'
AF6111
AF6111                          STATION RECOVERY (2007)
AF6111
AF6111'RECOVERY NOTE BY FL DEPT OF ENV PRO 2007 (BPJ)
AF6111'RECOVERED AS DESCRIBED.
```

```
*** retrieval complete.
Elapsed Time = 00:00:05
```

RECORDER REGISTRATION WORKSHEET

Recorder Name: INDLKS Today's Date: **1/22/2004** Site Name: INDLKS

Activity **Addendum** Effective Date: **TBD** Start Date of Data (if different from effective date):

Customer **SFWMD/ DBHYDRO** Division: **ESDA** Agency: **SFWMD** Proj Activity Code:

Project Manager: Elvie Ebanks Division: **ESDA** Agency: **SFWMD**

Project name: Survey Refrence Verification Contract #:

Common Name / Description:

Indian Lakes Fire Tower rainfall and groundwater has been monitored since 1969 with a graphics recorder. Utilizing the same GW well the site was upgraded to a CR10 datalogger monitoring a pressure sensor and a tipping bucket raingage

Recorder Location/Purpose **stand-alone Recorder (Non-Flow Site)** Type Recorder: **CR-10**

If water control structure, select:

COORDINATE INFORMATION: GPS GPS Operators Name

Latitude: **27 47 16** Longitude: **81 19 36** X-coord: Y-coord:

Section: Township: Range: Quad: ke Weohyakapka

Basin: County: **POLK** Transportation:

Travel, Access and Site info.:

SR 60.....From bridge over kissimmee river.....go west 7.4 mls to CR 630.....go SW on CR 630 for 1.4 mls. and site behind house at fire tower/microwave tower.

Array ID Configuration table attached Lock type or combination: #

Equipment Removed (if applicable):

B.M. Elevation: **102.870** **Date:** 6/6/1994 **Stamp** **KR 122 RESET** **G.W. Land Elev.**

Agency **USC&G** **Type** **BRASS**

B. M. Location/Description:

BM is located at SE corner of junction of SR 60 / CR 630.....1.7 ft east of metal witness post & 1.5 ft west of power pole # 17-111.....note:- mark should survive widening of SR 60....[[OLD Ref. Elev.= 200 ft (assumed)....

Sensor name: **GW1** DBHydro station: Measurement location: **Existing**

Well Reference Elevation: **122.170** Date: ####### Top of Well **122.170** Bottom of Well

Location: **Paint mark top of PVC well under cover (well head enclosure) denoted by brass tag….**

Sensor name: DBHydro station: Measurement location:

Well Reference Elevation: Date: Top of Well Bottom of Well

Location:

Sensor name: Customers reference: Measurement location:

Well Reference Elevation: Date: Top of Well Bottom of Well

Location:

Sensor name: Customers reference: Measurement location:

Well Reference Elevation: Date: Top of Well Bottom of Well

Location:

Sensor name: Customers reference: Measurement location:

Well Reference Elevation: Date: Top of Well Bottom of Well

Location:

Sensor name: Customers reference: Measurement location:

Well Reference Elevation: Date: Top of Well Bottom of Well

Location:

Communication Type: R.F. Code: Phone Number:

ARDAMS Loop: R.F. Access Point

RTU address: Gateway: Gateway:

Gateway: Gateway:

REV. A 10/30/02