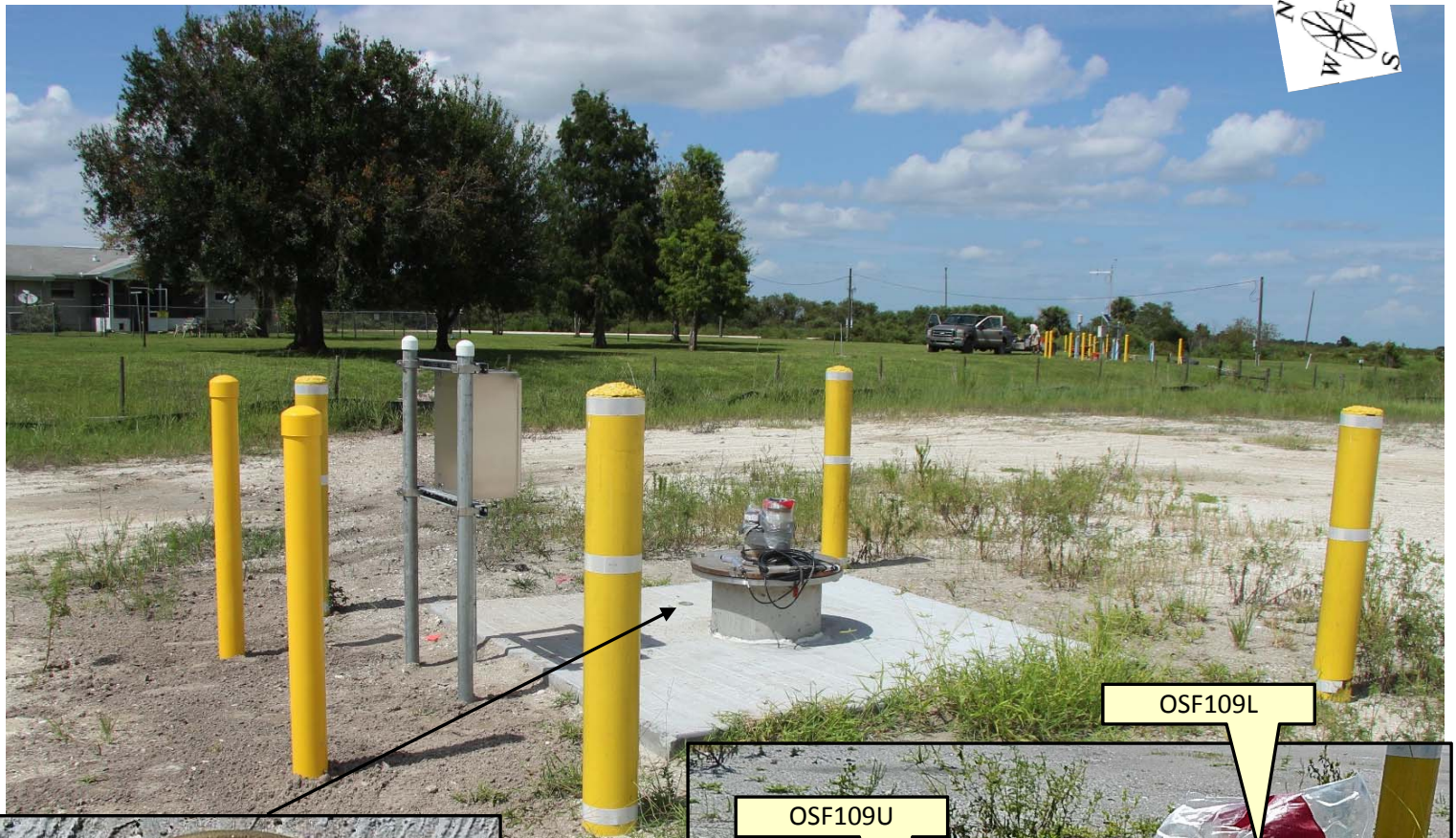


Site Name: OSF109		Date of Field Work: 04-sep-13
Party Chief: Ebanks	Field Book Name/Number SCADA9	Page Number(s) 49
Site Benchmark Name P1 (AH8838)	Benchmark Elevation (NAVD88) 52.812	Corpscon 6.0.1 Datum Offset to NGVD29 1.181
Reference Elevation (NAVD 88) 53.237 GW8 53.562 GW9		Existing Tag Elevation (Datum) Not Reported
Latitude: 27° 39' 32.27"		Longitude: 81° 07' 59.85"
Notes: Tagged in NGVD29 (Datum conversion at site 1.20)		

Photographs

Overall Site



Looking
Northeasterly



GW8 – OSF109U 1489-1573 Brass Tag Close Up

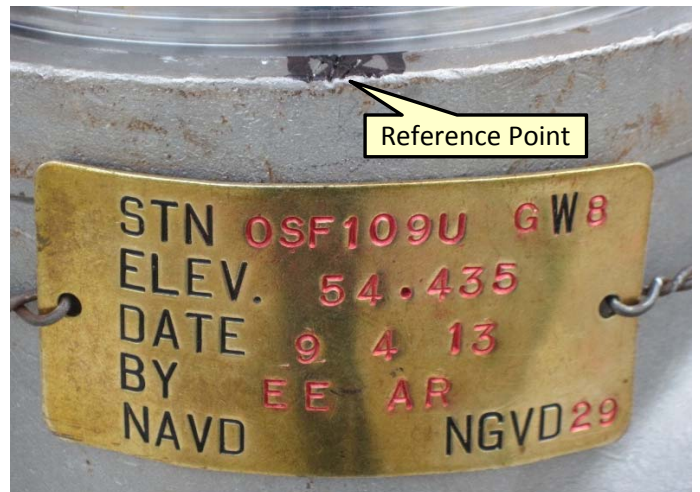


Well Designation

GW8 OSF109U Brass Tag Close Up



GW08 OSF109U Brass Tag + Reference Mark



GW9 – OSF109L 1489-1573Brass Tag Close Up

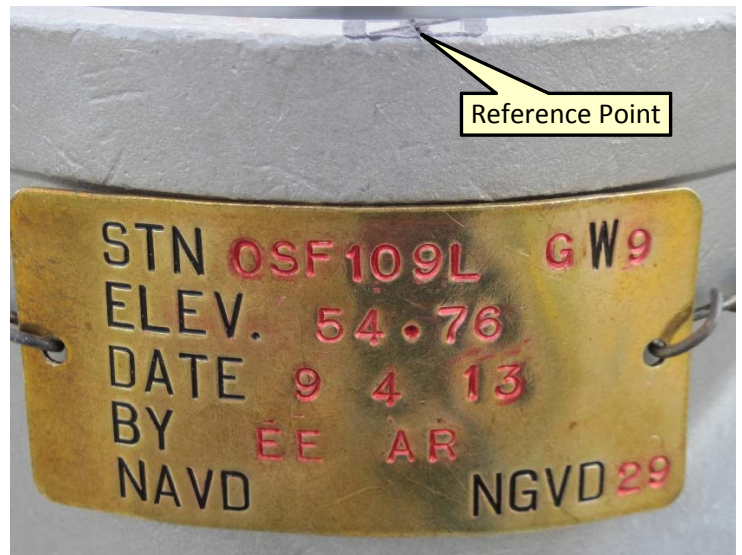


Well Designation

GW9 OSF109L Brass Tag Close Up



GW9 OSF109L Brass Tag + Reference Mark



Sec. 28

TWP 32 Rge 32

Ebanks
Rodriguez

Establish Elev for Wells OSF 109U &
OSF 109L.

STA	+	H.I.	-	Elev	Remarks
Bm P-1	4.40	58.41		54.01	52.81 (88)
OSF 109U (GW 8)			3.975	54.435	✓
OSF 109L (GW 9)			3.65	54.76	✓
OSF 109L	3.76	58.52			
OSF 109U			4.085	54.435	
Bm Disk on Well PAD			6.83	51.69	51.02 (88) <u>50.49</u>
Bm P-1			4.51	54.01	54.01 ✓

Sec. 26

TWP 47 Rge 34

Ebanks
Bobsein

Verify Ref Elev for Wells @ G-344G
STA 5/6

STA	+	H.I.	-	Elev	Remarks
Bm G-344G	5.17	26.45		21.28	H.W. = $\frac{26.24528}{80.52568}$
G-344G H/W				2.03	24.42 (24.41)
H/W w/s				12.77	13.68
G-344G T/W				1.925	24.525 (24.51)
T/W w/s				12.94	13.51
Bm G-344G				5.17	21.28

H.W	11.00	24.42	
	- 0.38	- 10.02	
	<u>10.62</u>	<u>13.80</u>	Note: w/s = 13.68 (well clogged)
T/W	12.00	24.525	
	- 1.00	- 11.000	
	<u>11.00</u>	<u>13.525</u>	Note: w/s = 13.51 (well OK)

L25854
 FLDEP Preliminary Line Adjustment
 16.47870m (NGVD29)
16.11470m (NAVD88)
 0.3640m (1.1942')
 .
 P1 El. 54.006 NGVD29

The NGS Data Sheet

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

```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = JANUARY 17, 2016
AH8838 *****
AH8838 DESIGNATION - P 1
AH8838 PID - AH8838
AH8838 STATE/COUNTY- FL/POLK
AH8838 COUNTRY - US
AH8838 USGS QUAD - FORT KISSIMMEE NW (1972)
AH8838
AH8838 *CURRENT SURVEY CONTROL
AH8838
AH8838* NAD 83(1986) POSITION- 27 39 33. (N) 081 08 04. (W) SCALED
AH8838* NAVD 88 ORTHO HEIGHT - 16.097 (meters) 52.81 (feet) ADJUSTED
AH8838
AH8838 GEOID HEIGHT - -26.366 (meters) GEOID12B
AH8838 DYNAMIC HEIGHT - 16.073 (meters) 52.73 (feet) COMP
AH8838 MODELED GRAVITY - 979,165.2 (mgal) NAVD 88
AH8838
AH8838 VERT ORDER - SECOND CLASS I
AH8838
AH8838.The horizontal coordinates were scaled from a topographic map and have
AH8838.an estimated accuracy of +/- 6 seconds.
AH8838.
AH8838.The orthometric height was determined by differential leveling and
AH8838.adjusted by the NATIONAL GEODETIC SURVEY
AH8838.in July 1999.
AH8838
AH8838.No vertical observational check was made to the station.
AH8838
AH8838.Significant digits in the geoid height do not necessarily reflect accuracy.
AH8838.GEOID12B height accuracy estimate available here.
AH8838
AH8838.The dynamic height is computed by dividing the NAVD 88
AH8838.geopotential number by the normal gravity value computed on the
AH8838.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AH8838.degrees latitude (g = 980.6199 gals.).
AH8838
AH8838.The modeled gravity was interpolated from observed gravity values.
AH8838
AH8838; North East Units Estimated Accuracy
AH8838;SPC FL W - 368,740. 285,400. MT (+/- 180 meters Scaled)
AH8838
AH8838 SUPERSEDED SURVEY CONTROL
AH8838
AH8838 No superseded survey control is available for this station.
AH8838
AH8838_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML867594(NAD 83)
AH8838
AH8838_MARKER: DD = SURVEY DISK
AH8838_SETTING: 36 = SET IN A MASSIVE STRUCTURE
AH8838_SP_SET: WATER STURACTURE

```

AH8838_STAMPING: P-1 1972

AH8838_MARK LOGO: SFLWMD

AH8838_MAGNETIC: N = NO MAGNETIC MATERIAL

AH8838_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AH8838_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AH8838+SATELLITE: SATELLITE OBSERVATIONS - November 16, 1997

AH8838

AH8838	HISTORY	- Date	Condition	Report By
AH8838	HISTORY	- 1972	MONUMENTED	SFLWMD
AH8838	HISTORY	- 19971116	GOOD	FLDEP
AH8838	HISTORY	- 20070815	GOOD	INDIV

AH8838

AH8838

AH8838

STATION DESCRIPTION

AH8838'DESCRIBED BY FL DEPT OF ENV PRO 1997 (JLM)

AH8838'THE MARK IS ABOUT 39.0 MI (62.8 KM) SOUTHEAST OF LAKE WALES IN SECTION

AH8838'28, TOWNSHIP 32 SOUTH, RANGE 32 EAST. TO REACH THE MARK FROM THE

AH8838'INTERSECTION OF STATE ROAD 27 AND STATE ROAD 60 IN LAKE WALES, GO

AH8838'EAST-SOUTHEAST ON STATE ROAD 60 FOR 26.9 MI (43.3 KM) TO THE WEST END

AH8838'OF THE BRIDGE OVER THE KISSIMMEE RIVER, CONTINUE EAST FOR 11.05 MI

AH8838'(17.78 KM) TO THE JUNCTION OF A DIRT ROAD ON THE RIGHT, TURN RIGHT ON

AH8838'THE DIRT ROAD AND GO SOUTH FOR 5.6 MI (9.0 KM) TO A Y-JUNCTION, BEAR

AH8838'LEFT AND GO SOUTH ON THE DIRT ROAD FOR 2.6 MI (4.2 KM) TO A METAL

AH8838'GATE, CONTINUE WEST ON THE DIRT ROAD FOR 1.0 MI (1.6 KM) TO THE DEAD

AH8838'END OF THE ROAD AT STURCTURE S-65A AND THE MARK, SET IN THE TOP OF THE

AH8838'WATER CONTROL STRUCTURE WING WALL 0.6 FT (18.3 CM) ABOVE THE LEVEL OF

AH8838'THE GROUND AND LEVEL WITH THE DIRT ROAD. LOCATED 315.0 FT (96.0 M)

AH8838'EAST OF SURVEY MARK MACK 5-23-84 1984, 18.4 FT (5.6 M) SOUTH OF THE

AH8838'SOUTHWEST CORNER OF THE STURCTURE, 11.8 FT (3.6 M) SOUTH OF THE

AH8838'APPROXIMATE CENTERLINE OF THE ROAD AND 1.0 FT (0.3 M) SOUTHWEST OF A

AH8838'4.0 FT (1.2 M) HIGH CHAINLINK FENCE.

AH8838

AH8838

AH8838

STATION RECOVERY (2007)

AH8838'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2007 (RS)

AH8838'KEITH AND ASSOCIATES

*** retrieval complete.

Elapsed Time = 00:00:02

-*- FIELD ABSTRACT -*-

970909-980818 HGZ L25854 6. 0 MM ORDER 2 CLASS 1 PAGE 1
 LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
 LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
 SIDE OF THE KISSIMMEE RIVER.
 STARTING ELEVATION BASED ON NAVD 88 HEIGHTS.
 NOTE COLLIMATION STORED IN ELECTRONIC INSTRUMENT.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0001 7375 FLDT						22. 12900	
0001 7375 FLDT	9140831	F	0. 20	-3. 76406 *	-0. 26	-3. 76419	1
0101 S 65 18	9140942	B	0. 20	3. 76432 *			1
	SL 1		0. 20		-0. 26	18. 36481	
0101 S 65 18	9140856	F	0. 03	0. 47412 *	-0. 06	0. 47409	1
0102 KR 1012	9140935	B	0. 03	-0. 47406 *			1
	SL 1		0. 23		-0. 32	18. 83890	
0102 KR 1012	9140904	F	0. 04	-0. 37434 *	-0. 07	-0. 37438	1
0103 S 65 17	9140928	B	0. 04	0. 37441 *			1
	SL 1		0. 27		-0. 39	18. 46452	
0103 S 65 17	9140913	F	0. 07	0. 37473 *	0. 58	0. 37502	1
0104 KR 1023	9140922	B	0. 07	-0. 37531 *			1
	SL 1		0. 34		0. 19	18. 83954	
0001 7375 FLDT	9091044	F	0. 69	-4. 73966 *	0. 00	-4. 73966	1
0002 POL 1 FLDT			0. 69		0. 00	17. 38934	
0002 POL 1 FLDT	9100821	F	0. 52	-1. 55733 *	0. 00	-1. 55733	1
0003 F 63			1. 21		0. 00	15. 83201	
0003 F 63	9100922	F	0. 63	0. 53809 *	-2. 08	0. 53705	1
0006 V 460	9101508	B	0. 62	-0. 53601 *			1
			1. 83		-2. 08	16. 36906	
0006 V 460	9130825	F	0. 48	-0. 13794 *	-0. 23	-0. 13805	1
0008 KR 1561	9130856	B	0. 48	0. 13816 *			1
	SL 1		2. 31		-2. 30	16. 23101	
0006 V 460	9101016	F	0. 03	0. 08949 *	0. 16	0. 08957	1
0007 A 128 RESET	9101459	B	0. 03	-0. 08965 *			1
	SL 1		1. 86		-1. 92	16. 45863	
0007 A 128 RESET	9101048	F	0. 82	0. 26980 *	-2. 80	0. 26840	1
0004 POL 2 FLDNR	9101406	B	0. 82	-0. 26701 *			1
	SL 1		2. 68		-4. 71	16. 72703	
0004 POL 2 FLDNR	9101132	F	1. 27	0. 76874 *	0. 00	0. 76874	1
0005 G 63 RESET			3. 95		-4. 71	17. 49577 ⁹	

-*- FIELD ABSTRACT -*-

970909-980818 HGZ L25854 6. 0 MM ORDER 2 CLASS 1 PAGE 2
 LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
 LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
 SIDE OF THE KISSIMMEE RIVER.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
---------	-------	-----	-----------------	----------------	-------------------	-------------------------	-----

L25854. ABS

0006 V 460	9110817 F	1.45	0.16427 *	-0.95	0.16379	1		
0100 KR 1562 GPS	9121504 B	1.45	-0.16331 *			1		
		3.28		-3.03	16.53285			
0100 KR 1562 GPS	9110925 F	0.42	0.29824 *	0.17	0.29832	1		
0009 W 460	9121426 B	0.42	-0.29841 *			1		
		3.70		-2.86	16.83117			
0009 W 460	9111017 F	1.61	0.08424 *	-1.67	0.08341	1		
0010 X 460	9121320 B	1.61	-0.08257 *			1		
		5.31		-4.53	16.91458			
0010 X 460	9111126 F	1.37	-0.14192 *	-0.50	-0.14217	1		
0011 Y 460	9121100 B	1.37	0.14242 *			1		
		6.68		-5.03	16.77241			
0011 Y 460	9111346 F	0.85	-0.15971 *	-1.14	-0.16028	1		
0012 KR 1565	9121017 B	0.85	0.16085 *			1		
		7.53		-6.17	16.61213			
0012 KR 1565	9111425 F	0.33	0.19386 *	0.00	0.19386	1		
0013 KR 1566	9120941 B	0.33	-0.19386 *			1		
		7.86		-6.16	16.80599			
0013 KR 1566	9111448 F	1.72	-0.35777 *	-0.85	-0.35820	1		
0014 Z 460	9120827 B	1.72	0.35862 *			1		
		9.58		-7.01	16.44779			
0014 Z 460	9131619 B	0.20	-0.13035 *	0.29	0.13020	1		
0015 KR 1559	9141344 F	0.20	0.13006 *			1		
		9.78		-6.72	16.57799			
0015 KR 1559	9131603 B	0.27	-0.02298 *	-0.45	0.02320	1		
0016 KR 1560	9141401 F	0.26	0.02343 *			1		
		10.04		-7.17	16.60119			
0016 KR 1560	9131534 B	0.54	0.68113 *	-0.50	-0.68088	1		
0017 A 461	9141426 F	0.52	-0.68062 *			1		
		10.57		-7.67	15.92031			
0017 A 461	9131425 B	1.57	-0.39408 R*	-3.22	0.47534	1		
0018 B 461	9141458 F	1.57	0.47622 *			1		
	9230854 F	1.58	0.47661 *			1		
	9231011 B	1.57	-0.47319 *			1		
		12.13		-10.89	16.39565			
- FIELD ABSTRACT -								
970909-980818	HGZ L25854	6.0	MM ORDER 2 CLASS 1	PAGE 3				
LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.								
LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST								
SIDE OF THE KISSIMMEE RIVER.								
FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0018 B 461		9131103 F		0.11	-0.10373 *	0.30	-0.10358	1
0019 K117		9131255 B		0.12	0.10343 *			1
		SL 1		12.24		-10.59	16.29207	
0019 K117		9131119 F		0.71	0.52502 *	-0.53	0.52475	1
0020 K116		9131209 B		0.71	-0.52449 *			1
		SL 1		12.95		-11.12	16.81682	
0018 B 461		9130957 B		1.27	0.74152 *	-5.02	-0.73985	1
0021 C 461		9231131 F		1.27	-0.73650 *			1
		9241252 B		1.27	0.74154 *			1
				13.40		-15.92	15.65580	

L25854. ABS

0021 C 461	9231308 F	0.56	-0.29972 *	-1.50	-0.30047	1
0022 D 461	9241151 B	0.56	0.30123 *			1
		13.96		-17.42	15.35533	
0022 D 461	9231338 F	0.05	-0.54412 *	0.13	-0.54406	1
0023 E 461	9241143 B	0.05	0.54400 *			1
		14.01		-17.29	14.81127	
0023 E 461	9231347 F	0.06	1.18820 *	0.00	1.18820	1
0024 F 461	9241135 B	0.06	-1.18820 *			1
		14.08		-17.30	15.99947	
0024 F 461	9231355 F	1.82	-0.34367 *	-0.36	-0.34385	1
0025 G 461	9241015 B	1.80	0.34403 *			1
		15.88		-17.66	15.65562	
0025 G 461	9231501 F	0.64	-0.03350 *	0.78	-0.03311	1
0026 H 461	9240937 B	0.67	0.03272 *			1
		16.51		-16.88	15.62251	
0026 H 461	9240818 B	1.88	-0.05694 *	-3.16	0.05852	1
0027 J 461	9250849 F	1.87	0.06010 *			1
		18.38		-20.04	15.68103	
0027 J 461	9241420 B	1.61	0.00876 *	-3.33	-0.00710	1
0028 K 461	9251006 F	1.61	-0.00544 *			1
		19.99		-23.36	15.67393	
0028 K 461	9241401 B	0.49	-0.51255 *	0.08	0.51250	1
0029 KR 1564	9251107 F	0.49	0.51246 *			1
		20.49		-23.28	16.18643	
0029 KR 1564	9251217 F	1.57	-0.94212 *	-2.59	-0.94341	1
0030 L 461	9261014 B	1.57	0.94470 *			1
		22.06		-25.87	15.24302	

-*- FIELD ABSTRACT -*-

970909-980818 HGZ L25854 6.0 MM ORDER 2 CLASS 1 PAGE 4
 LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
 LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
 SIDE OF THE KISSIMMEE RIVER.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0030 L 461	9251316 F	0.54	1.47230	1.47230 *	0.10	1.47234	1
0031 KR BM P. 8	9260935 B	0.58	-1.47239				1
		22.60		-25.77	16.71536		
0031 KR BM P. 8	10211152 F	1.18	-0.61447				1
0092 MACK	10211338 B	1.17	0.61789				1
	7240857 B	1.17	0.61532				1
	SL 1	23.77		-27.91	16.09947		
0092 MACK	10211247 F	0.09	0.01510				1
0093 P-1	10211334 B	0.09	-0.01535				1
	SL 2	23.86		-27.65	16.11470		
0093 P-1	10211301 F	0.07	0.00812				1
0094 KR 1388	10211327 B	0.07	-0.00845				1
	SL 2	23.93		-27.32	16.12298		
0092 MACK	7241033 F	0.35	-0.06679	R*	1.22	-0.01569	1
0105 Z 473	7251537 B	0.35	0.01488				1
	7251606 F	0.35	-0.01647				1
	8180906 F	0.35	-0.01572				1
	SL 1	24.12		-26.69	16.08378		
0105 Z 473	7241059 F	0.05	0.02444				1

L25854. ABS

0106 A 474	7251531 B	0.05	-0.02451 *					1	
	8180931 F	0.05	0.02439 *					1	
	SL 1	24.17				-26.59	16.10823		
0106 A 474	7241109 F	0.74	-1.68872 *			-2.81	-1.68928	1	
0107 B 474	7251453 B	0.74	1.69115 *					1	
	8180941 F	0.75	-1.68796 *					1	
	SL 1	24.91				-29.41	14.41895		
0107 B 474	7241246 F	1.26	-0.56423 *			0.42	-0.56334	1	
0108 C 474	7251410 B	1.26	0.56306 *					1	
	8181038 F	1.26	-0.56273 *					1	
	SL 1	26.17				-28.98	13.85561		
0108 C 474	7241342 F	0.46	-0.45173 *			0.32	-0.45199	1	
0109 D 474	7251354 B	0.46	0.45178 *					1	
	8181302 F	0.46	-0.45246 *					1	
	SL 1	26.63				-28.67	13.40362		
0109 D 474	7241402 F	0.04	-0.13637 *			0.25	-0.13647	1	
0110 E 474	7251337 B	0.04	0.13630 *					1	
	8181324 F	0.04	-0.13674 *					1	
	SL 1	26.67				-28.41	13.26715 ⁹		
*- FIELD ABSTRACT *-									
970909-980818	HGZ L25854	6.0	MM	ORDER 2	CLASS 1	PAGE 5			
LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.									
LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST									
SIDE OF THE KISSIMMEE RIVER.									
FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C	
0110 E 474		7241405	F	0.04	0.24216 *	-0.27	0.24211	1	
0111 F 474		7251330	B	0.04	-0.24193 *			1	
		8181330	F	0.04	0.24225 *			1	
		SL 1		26.71		-28.69	13.50926		
0111 F 474		7241409	F	0.45	0.88646 *	-0.27	0.88598	1	
0112 H 474		7251305	B	0.45	-0.88580 *			1	
		8181334	F	0.45	0.88568 *			1	
		SL 1		27.16		-28.96	14.39524		
0112 H 474		7241431	F	1.44	0.26598 *	-0.36	0.26600	1	
0113 G 474		7251155	B	1.43	-0.26575 *			1	
		8181354	F	1.43	0.26625 *			1	
		SL 1		28.58		-29.32	14.66124		
0113 G 474		7251104	F	0.14	-1.13040 *	0.90	-1.13102	1	
0114 J 474		7251142	B	0.14	1.12932 *			1	
		8181456	F	0.14	-1.13255 *			1	
		8181527	B	0.14	1.13182 *			1	
		SL 1		28.72		-28.42	13.53022		
0114 J 474		7251117	F	0.07	-0.25816 *	-0.45	-0.25771	1	
0115 K 474		7251120	B	0.07	-0.74262 R*			1	
		7251131	B	0.07	0.25804 *			1	
		7251135	F	0.07	-0.25762 *			1	
		8181512	F	0.07	-0.25700 *			1	
		SL 1		28.79		-28.86	13.27251		
0031 KR BM P. 8		9251533	F	1.11	-2.75096 *	-1.19	-2.75205	1	
0032 M 461		9260840	B	1.11	2.75284 *			1	
		10070806	F	1.11	-2.75235 *			1	
				23.71		-26.96	13.96331		
0032 M 461		10070902	F	0.84	0.50437 *	0.43	0.50459	1	
0034 N 461		10081530	B	0.92	-0.50480 *			1	
				24.54		-26.53	14.46790		

L25854. ABS

0034	N 461	10071009	F	1.40	0.90648	*	-2.80	0.90508	1
0035	H 34	10081432	B	1.39	-0.90367	*			1
				25.94			-29.33	15.37298	
0035	H 34	10071125	F	1.46	1.37928	*	-3.83	1.37737	1
0036	Q 461	10081329	B	1.45	-1.37545	*			1
				27.39			-33.16	16.75035	
0036	Q 461	10071256	F	0.64	-0.43800	*	-0.58	-0.43829	1
0037	KR 1594	10081248	B	0.64	0.43858	*			1
				28.02			-33.75	16.31206 ^φ	
- FIELD ABSTRACT -									
970909-980818 HGZ L25854 6.0 MM ORDER 2 CLASS 1 PAGE 6									
LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.									
LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST									
SIDE OF THE KISSIMMEE RIVER.									
FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)		-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0037	KR 1594	10071358	F	1.55	-0.00124	*	-1.90	-0.00219	1
0038	R 461	10081133	B	1.55	0.00314	*			1
				29.57			-35.64	16.30987	
0038	R 461	10071458	F	1.33	-2.14689	*	0.26	-2.14676	1
0039	S 461	10081041	B	1.33	2.14663	*			1
				30.90			-35.38	14.16311	
0039	S 461	10081027	B	0.15	0.93959	*	0.16	-0.93967	1
0040	T 462	10090826	F	0.15	-0.93974	*			1
				31.06			-35.23	13.22344	
0040	T 462	10081014	B	0.12	-0.47099	*	-0.43	0.47120	1
0041	P 461	10090841	F	0.12	0.47142	*			1
				31.17			-35.66	13.69464	
0041	P 461	10080917	B	1.03	-1.89588	*	-2.43	1.89710	1
0042	T 461	10090853	F	1.04	1.89832	*			1
				32.20			-38.09	15.59174	
0042	T 461	10090957	F	0.39	-0.76323	*	-0.07	-0.76327	1
0043	KR 595	10101513	B	0.38	0.76330	*			1
				32.58			-38.17	14.82847	
0043	KR 595	10091030	F	1.68	-1.12970	*	-4.96	-1.13218	1
0044	H 28	10101353	B	1.68	1.13466	*			1
				34.25			-43.13	13.69629	
0044	H 28	10091157	F	0.21	1.30337	*	1.12	1.30393	1
0045	U 461	10101333	B	0.21	-1.30449	*			1
				34.46			-42.00	15.00022	
0045	U 461	10091307	F	0.90	-0.81965	*	-1.87	-0.82059	1
0046	V 461	10101201	B	0.89	0.82152	*			1
				35.36			-43.87	14.17963	
0046	V 461	10091343	F	0.16	1.29771	*	0.20	1.29781	1
0047	W 461	10101147	B	0.16	-1.29791	*			1
				35.52			-43.68	15.47744	
0047	W 461	10091400	F	0.19	-1.31964	*	-0.68	-1.31997	1
0048	X 461	10101126	B	0.18	1.32031	*			1
				35.70			-44.36	14.15747	
0048	X 461	10091413	F	1.41	0.01925	*	-2.37	0.01807	1
0049	Y 461	10101037	B	1.39	-0.01688	*			1
				37.09			-46.72	14.17554 ^φ	

970909-980818 HGZ L25854 6.0 MM ORDER 2 CLASS 1 PAGE 7
LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
SIDE OF THE KISSIMMEE RIVER.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0049 Y 461	10101008	B	0.19	-1.43382 *	-1.11	1.43437	1
0050 H 27	10110923	F	0.21	1.43493 *			1
			37.28		-47.83	15.60991	
0050 H 27	10100927	B	0.79	0.49292 *	-1.02	-0.49241	1
0051 KR 1379	10110943	F	0.79	-0.49190 *			1
			38.08		-48.85	15.11750	
0051 KR 1379	10100833	B	1.28	1.11623 *	-0.67	-1.11589	1
0052 Z 461	10111053	F	1.28	-1.11556 *			1
			39.35		-49.52	14.00161	
0052 Z 461	10121016	B	0.11	-0.68803 *	0.29	0.68789	1
0053 H 26	10121030	F	0.11	0.68774 *			1
			39.46		-49.23	14.68950	
0053 H 26	10120950	B	0.15	1.49935 *	0.24	-1.49947	1
0054 A 462	10121045	F	0.16	-1.49959 *			1
			39.61		-48.99	13.19003	
0054 A 462	10120857	B	0.92	0.50428 *	-1.65	-0.50346	1
0055 B 462	10121109	F	0.91	-0.50263 *			1
			40.53		-50.64	12.68657	
0055 B 462	10111500	B	1.71	0.16071 *	-2.09	-0.15966	1
0056 C 462	10121143	F	1.70	-0.15862 *			1
			42.23		-52.73	12.52691	
0056 C 462	10111428	B	0.77	0.55008 *	-1.31	-0.54942	1
0057 D 462	10211558	F	0.76	-0.54877 *			1
			42.98		-54.04	11.97749	
0057 D 462	10111411	B	0.06	-0.98310 *	-0.04	0.98312	1
0058 E 462	10220834	F	0.06	0.98314 *			1
			43.05		-54.08	12.96061	
0058 E 462	10111353	B	0.06	0.83683 *	0.36	-0.83701	1
0059 F 462	10220853	F	0.06	-0.83719 *			1
			43.11		-53.73	12.12360	
0059 F 462	10111246	B	1.26	-2.59594 *	-4.13	2.59801	1
0060 G 462	10220911	F	1.25	2.60007 *			1
			44.36		-57.85	14.72161	
0060 G 462	10221037	F	1.40	-0.90135 *	-4.01	-0.90335	1
0061 KR 1484 GPS	10231246	B	1.42	0.90535 *			1
			45.76		-61.86	13.81826	

970909-980818 HGZ L25854 6.0 MM ORDER 2 CLASS 1 PAGE 8
LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
SIDE OF THE KISSIMMEE RIVER.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0061 KR 1484 GPS	10221230	F	1.85	0.52970 *	-2.94	0.52822	1

L25854. ABS

0062 U 462	10231102 B	1.84 47.61	-0.52675 *	-64.81	14.34648	1		
0062 U 462	10221357 F	1.49	2.79492 *	-5.12	2.79236	1		
0063 V 462	10230957 B	1.49 49.10	-2.78980 *	-69.93	17.13884	1		
0063 V 462	10221502 F	1.58	1.70435 *	-2.58	1.70306	1		
0064 W 462	10230909 B	1.58 50.68	-1.70177 *	-72.51	18.84190	1		
0064 W 462	10230806 B	1.74	0.31304 *	0.19	-0.31313	1		
0065 X 462	10240831 F	1.75 52.42	-0.31323 *	-72.32	18.52877	1		
0065 X 462	10231353 B	1.56	1.03969 *	-5.60	-1.03689	1		
0066 Y 462	10240941 F	1.55 53.97	-1.03409 *	-77.92	17.49188	1		
0066 Y 462	10241052 F	0.80	-0.90680 *	-0.79	-0.90719	1		
0067 H 12	10241138 B	0.80 54.77	0.90759 *	-78.71	16.58469	1		
0067 H 12	10241252 F	0.99	-0.38953 *	-0.32	-0.38969	1		
0068 A 463	10251024 B	0.99 55.76	0.38985 *	-79.03	16.19500	1		
0068 A 463	10241334 F	1.12	0.17869 *	-2.92	0.17723	1		
0069 H 11	10250918 B	1.12 56.88	-0.17577 *	-81.95	16.37223	1		
0069 H 11	10241419 F	0.82	-0.32383 *	-2.03	-0.32485	1		
0070 B 463	10250838 B	0.80 57.68	0.32586 *	-83.98	16.04738	1		
0070 B 463	10241508 F	0.84	-1.07684 *	0.10	-1.07679	1		
0071 C 463	10250802 B	0.82 58.50	1.07674 *	-83.88	14.97059	1		
0071 C 463	10251124 F	1.60	-1.22485 *	-1.20	-1.22545	1		
0072 D 463	11040938 B	1.60 60.10	1.22604 *	-85.07	13.74514	1		
0072 D 463	10251309 F	0.38	0.33879 *	-0.97	0.33830	1		
0073 H 9	11040918 B	0.39 60.48	-0.33781 *	-86.05	14.08344	1		
- FIELD ABSTRACT -								
970909-980818	HGZ L25854	6.0 MM ORDER 2 CLASS 1	PAGE 9					
LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.								
LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST								
SIDE OF THE KISSIMMEE RIVER.								
FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0073 H 9		10251339	F	1.65	-1.08325 *	-2.90	-1.08470	1
0074 E 463		10261506	B	1.65	1.08615 *			1
		SL 1		62.13		-88.95	12.99874	
0074 E 463		10260913	F	0.30	-0.54991 *	0.24	-0.54979	1
0075 Y 75		10261452	B	0.31	0.54967 *			1
		SL 1		62.43		-88.71	12.44895	
0075 Y 75		10260934	F	0.34	0.44555 *	0.28	0.44569	1
0076 KR 1487 GPS		10261431	B	0.34	-0.44583 *			1
		SL 1		62.77		-88.43	12.89464	
0076 KR 1487 GPS		10260953	F	0.80	-0.09657 R*	2.33	-0.07710	1

L25854. ABS

0077 KR 1486 GPS	10261327 B	0.80	0.07593	*			1
	10261354 F	0.80	-0.07826	*			1
	SL 1	63.57			-86.10	12.81754	
0077 KR 1486 GPS	10261024 F	0.02	0.46551	*	-0.25	0.46538	1
0078 FCD 1	10261221 B	0.02	-0.46526	*			1
	SL 1	63.59			-86.35	13.28292	
0078 FCD 1	10261030 F	0.05	0.00505	*	-0.20	0.00495	1
0079 Z 462	10261214 B	0.05	-0.00485	*			1
	SL 1	63.63			-86.55	13.28787	
0079 Z 462	10261034 F	1.61	-1.01543	*	-3.74	-1.01730	1
0081 FLGPS 55	10261123 B	1.61	1.01917	*			1
	SL 1	65.24			-90.29	12.27057	
0071 C 463	11041044 F	1.56	-1.44419	*	-0.30	-1.44434	1
0082 F 463	11051504 B	1.56	1.44449	*			1
		60.06			-84.18	13.52625	
0082 F 463	11041153 F	1.68	-0.65122	*	-1.62	-0.65202	1
0083 G 463	11051352 B	1.69	0.65283	*			1
		61.74			-85.80	12.87423	
0083 G 463	11041406 F	1.53	-0.28232	*	-1.78	-0.28321	1
0084 H 463	11051136 B	1.53	0.28410	*			1
		63.27			-87.57	12.59102	
0084 H 463	11041506 F	1.65	0.41904	*	-5.21	0.41643	1
0085 J 463	11051005 B	1.65	-0.41383	*			1
		64.91			-92.78	13.00745	
0085 J 463	11050859 B	1.34	0.46153	*	-1.43	-0.46081	1
0086 K 463	11060932 F	1.34	-0.46010	*			1
		66.25			-94.21	12.54664 [♀]	

-*- FIELD ABSTRACT -*-

970909-980818 HGZ L25854 6.0 MM ORDER 2 CLASS 1 PAGE 10
 LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
 LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
 SIDE OF THE KISSIMMEE RIVER.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0086 K 463	11061046 F	1.13	-0.43784	*	-0.79	-0.43823	1
0087 FCD 7 FCD H 40	11071228 B	1.13	0.43862	*			1
		67.38			-95.00	12.10841	
0087 FCD 7 FCD H 40	11061143 F	2.00	0.32320	*	-6.14	0.32013	1
0088 FCD 8	11071024 B	2.00	-0.31707	*			1
		69.38			-101.13	12.42854	
0088 FCD 8	11061409 F	1.47	1.77490	*	-4.10	1.77285	1
0089 H 42	11070901 B	1.47	-1.77080	*			1
		70.86			-105.23	14.20139	
0089 H 42	11061538 F	1.61	1.08374	*	0.00	1.08374	1
0090 U 438							
			72.47		-105.23	15.28513 [♀]	

ELEVATION REJECTION AND ERROR CODES

- C - section elevation difference was rejected for cause i.e. *43* record rejection code set to "F"
- R - section elevation difference was rejected by Halperin rejection algorithm
- @ - section elevation difference does not include refraction correction
- * - section elevation difference does not include rod correction

♀

I NSTRUMENT CODE

I NSTRUMENT

1 243 - 092714 396 - 025043 396 - 025046

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LEVEL LINE SECTION RUNNING TREE

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FROM	TO	N. LATITUDE	W. LONGITUDE	FIELD DISTANCE	VS. COMPUTED
	0001	274814	0811156	0.00	0.00
0001	0101	274811	0811156	0.20	0.09
0101	0102	274811	0811156	0.03	0.00
0102	0103	274811	0811151	0.04	0.14
0103	0104	274811	0811151	0.07	0.00
0001	0002	274815	0811221	0.69	0.69
0002	0003	274815	0811239	0.52	0.49
0003	0006	274817	0811302	0.62	0.63
0006	0008	274806	0811306	0.48	0.36
0006	0007	274817	0811303	0.03	0.03
0007	0004	274817	0811332	0.82	0.79
0004	0005	274818	0811419	1.27	1.29
0006	0100	274730	0811306	1.45	1.45
0100	0009	274721	0811256	0.42	0.39
0009	0010	274641	0811226	1.61	1.48
0010	0011	274609	0811153	1.37	1.34
0011	0012	274546	0811140	0.85	0.79
0012	0013	274540	0811132	0.33	0.29
0013	0014	274455	0811102	1.72	1.61
0014	0015	274450	0811100	0.20	0.16
0015	0016	274441	0811103	0.26	0.29
0016	0017	274426	0811108	0.52	0.48
0017	0018	274351	0811042	1.57	1.29
0018	0019	274352	0811044	0.11	0.06
0019	0020	274352	0811109	0.71	0.68
0018	0021	274319	0811025	1.27	1.09
0021	0022	274322	0811004	0.56	0.58
0022	0023	274321	0811003	0.05	0.04
0023	0024	274321	0811003	0.06	0.00
0024	0025	274249	0810930	1.80	1.34
0025	0026	274229	0810922	0.64	0.65

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0026	0027	274132	0810902	1. 87	1. 84	
0027	0028	274042	0810850	1. 61	1. 57	
0028	0029	274025	0810849	0. 49	0. 52	
0029	0030	273941	0810848	1. 57	1. 35	
0030	0031	273926	0810849	0. 54	0. 46	
0031	0092	273931	0810809	1. 17	1. 11	
0092	0093	273932	0810805	0. 09	0. 11	
0093	0094	273934	0810803	0. 07	0. 08	
0092	0105	273937	0810755	0. 35	0. 43	
0105	0106	273938	0810755	0. 05	0. 03	
0106	0107	273917	0810755	0. 74	0. 65	
0107	0108	273842	0810806	1. 26	1. 12	
0108	0109	273824	0810812	0. 46	0. 58	
0109	0110	273823	0810811	0. 04	0. 04	
0110	0111	273823	0810812	0. 04	0. 03	
0111	0112	273810	0810815	0. 45	0. 41	
0112	0113	273727	0810820	1. 43	1. 33	
0113	0114	273727	0810815	0. 14	0. 14	
0114	0115	273725	0810812	0. 07	0. 10	
0031	0032	273851	0810856	1. 11	1. 09	
0032	0034	273835	0810851	0. 84	0. 51	
0034	0035	273807	0810851	1. 39	0. 86	**
0035	0036	273724	0810852	1. 45	1. 32	
0036	0037	273706	0810905	0. 64	0. 66	
0037	0038	273620	0810917	1. 55	1. 45	
0038	0039	273541	0810921	1. 33	1. 21	
0039	0040	273536	0810920	0. 15	0. 16	
0040	0041	273532	0810919	0. 12	0. 13	
0041	0042	273504	0810930	1. 03	0. 91	
0042	0043	273456	0810937	0. 38	0. 31	
0043	0044	273415	0811010	1. 68	1. 55	
0044	0045	273417	0811012	0. 21	0. 08	
0045	0046	273358	0811034	0. 89	0. 84	
0046	0047	273355	0811031	0. 16	0. 12	
0047	0048	273355	0811039	0. 18	0. 22	
0048	0049	273325	0811118	1. 39	1. 41	
0049	0050	273319	0811120	0. 19	0. 19	
0050	0051	273303	0811141	0. 79	0. 76	
0051	0052	273235	0811215	1. 28	1. 27	
0052	0053	273233	0811218	0. 11	0. 10	
0053	0054	273234	0811223	0. 15	0. 14	
0054	0055	273235	0811254	0. 91	0. 85	
0055	0056	273138	0811256	1. 70	1. 76	
0056	0057	273119	0811242	0. 76	0. 70	
0057	0058	273122	0811240	0. 06	0. 11	
0058	0059	273119	0811239	0. 06	0. 10	
0059	0060	273042	0811223	1. 25	1. 22	
0060	0061	273002	0811204	1. 40	1. 34	
0061	0062	272935	0811237	1. 84	1. 23	**
0062	0063	272854	0811254	1. 49	1. 35	
0063	0064	272809	0811323	1. 58	1. 60	
0064	0065	272715	0811337	1. 74	1. 71	
0065	0066	272633	0811403	1. 55	1. 48	
0066	0067	272616	0811423	0. 80	0. 76	
0067	0068	272559	0811353	0. 99	0. 98	
0068	0069	272541	0811316	1. 12	1. 16	
0069	0070	272530	0811252	0. 80	0. 74	
0070	0071	272516	0811226	0. 82	0. 83	
0071	0072	272451	0811135	1. 60	1. 60	
0072	0073	272444	0811124	0. 38	0. 37	
0073	0074	272418	0811030	1. 65	1. 69	
0074	0075	272414	0811024	0. 30	0. 21	
0075	0076	272406	0811007	0. 34	0. 53	
0076	0077	272356	0810948	0. 80	0. 61	
0077	0078	272356	0810948	0. 02	0. 00	
0078	0079	272355	0810948	0. 05	0. 03	
0079	0081	272333	0810855	1. 61	1. 61	
0071	0082	272427	0811226	1. 56	1. 51	
0082	0083	272335	0811209	1. 68	1. 67	
0083	0084	272247	0811214	1. 53	1. 48	

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0084	0085	272158	0811238	1.65	1.65
0085	0086	272129	0811308	1.34	1.22
0086	0087	272106	0811337	1.13	1.07
0087	0088	272020	0811429	2.00	2.01
0088	0089	271944	0811508	1.47	1.54
0089	0090	271904	0811428	1.61	1.65♀

ABSTRA Versi on 5.21 -- October 1991 -- Tue Aug 25 13:44:48 1998

SECTION

FROM TO

ERROR MESSAGES

0080 *** Bench mark description exists but mark not leveled to.

0034 0035 *** Field distance exceeds computed distance by more than 0.50 KM!

0061 0062 *** Field distance exceeds computed distance by more than 0.50 KM!

-*- FIELD ABSTRACT -*-

970909-980818 HGZ L25854 6. 0 MM ORDER 2 CLASS 1 PAGE 1
 LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
 LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
 SIDE OF THE KISSIMMEE RIVER.
 STARTING ELEVATION BASED ON NGVD 29 HEIGHTS.
 NOTE COLLIMATION STORED IN ELECTRONIC INSTRUMENT.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0001 7375 FLDT						22. 49300	
0001 7375 FLDT	9140831	F	0. 20	-3. 76406 *	-0. 26	-3. 76419	1
0101 S 65 18	9140942	B	0. 20	3. 76432 *			1
	SL 1		0. 20		-0. 26	18. 72881	
0101 S 65 18	9140856	F	0. 03	0. 47412 *	-0. 06	0. 47409	1
0102 KR 1012	9140935	B	0. 03	-0. 47406 *			1
	SL 1		0. 23		-0. 32	19. 20290	
0102 KR 1012	9140904	F	0. 04	-0. 37434 *	-0. 07	-0. 37438	1
0103 S 65 17	9140928	B	0. 04	0. 37441 *			1
	SL 1		0. 27		-0. 39	18. 82852	
0103 S 65 17	9140913	F	0. 07	0. 37473 *	0. 58	0. 37502	1
0104 KR 1023	9140922	B	0. 07	-0. 37531 *			1
	SL 1		0. 34		0. 19	19. 20354	
0001 7375 FLDT	9091044	F	0. 69	-4. 73966 *	0. 00	-4. 73966	1
0002 POL 1 FLDT			0. 69		0. 00	17. 75334	
0002 POL 1 FLDT	9100821	F	0. 52	-1. 55733 *	0. 00	-1. 55733	1
0003 F 63			1. 21		0. 00	16. 19601	
0003 F 63	9100922	F	0. 63	0. 53809 *	-2. 08	0. 53705	1
0006 V 460	9101508	B	0. 62	-0. 53601 *			1
			1. 83		-2. 08	16. 73306	
0006 V 460	9130825	F	0. 48	-0. 13794 *	-0. 23	-0. 13805	1
0008 KR 1561	9130856	B	0. 48	0. 13816 *			1
	SL 1		2. 31		-2. 30	16. 59501	
0006 V 460	9101016	F	0. 03	0. 08949 *	0. 16	0. 08957	1
0007 A 128 RESET	9101459	B	0. 03	-0. 08965 *			1
	SL 1		1. 86		-1. 92	16. 82263	
0007 A 128 RESET	9101048	F	0. 82	0. 26980 *	-2. 80	0. 26840	1
0004 POL 2 FLDNR	9101406	B	0. 82	-0. 26701 *			1
	SL 1		2. 68		-4. 71	17. 09103	
0004 POL 2 FLDNR	9101132	F	1. 27	0. 76874 *	0. 00	0. 76874	1
0005 G 63 RESET			3. 95		-4. 71	17. 85977 ⁹	

-*- FIELD ABSTRACT -*-

970909-980818 HGZ L25854 6. 0 MM ORDER 2 CLASS 1 PAGE 2
 LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
 LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
 SIDE OF THE KISSIMMEE RIVER.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
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NGVD29. ABS

0006 V 460	9110817	F	1.45	0.16427	*	-0.95	0.16379	1
0100 KR 1562 GPS	9121504	B	1.45	-0.16331	*			1
			3.28			-3.03	16.89685	
0100 KR 1562 GPS	9110925	F	0.42	0.29824	*	0.17	0.29832	1
0009 W 460	9121426	B	0.42	-0.29841	*			1
			3.70			-2.86	17.19517	
0009 W 460	9111017	F	1.61	0.08424	*	-1.67	0.08341	1
0010 X 460	9121320	B	1.61	-0.08257	*			1
			5.31			-4.53	17.27858	
0010 X 460	9111126	F	1.37	-0.14192	*	-0.50	-0.14217	1
0011 Y 460	9121100	B	1.37	0.14242	*			1
			6.68			-5.03	17.13641	
0011 Y 460	9111346	F	0.85	-0.15971	*	-1.14	-0.16028	1
0012 KR 1565	9121017	B	0.85	0.16085	*			1
			7.53			-6.17	16.97613	
0012 KR 1565	9111425	F	0.33	0.19386	*	0.00	0.19386	1
0013 KR 1566	9120941	B	0.33	-0.19386	*			1
			7.86			-6.16	17.16999	
0013 KR 1566	9111448	F	1.72	-0.35777	*	-0.85	-0.35820	1
0014 Z 460	9120827	B	1.72	0.35862	*			1
			9.58			-7.01	16.81179	
0014 Z 460	9131619	B	0.20	-0.13035	*	0.29	0.13020	1
0015 KR 1559	9141344	F	0.20	0.13006	*			1
			9.78			-6.72	16.94199	
0015 KR 1559	9131603	B	0.27	-0.02298	*	-0.45	0.02320	1
0016 KR 1560	9141401	F	0.26	0.02343	*			1
			10.04			-7.17	16.96519	
0016 KR 1560	9131534	B	0.54	0.68113	*	-0.50	-0.68088	1
0017 A 461	9141426	F	0.52	-0.68062	*			1
			10.57			-7.67	16.28431	
0017 A 461	9131425	B	1.57	-0.39408	R*	-3.22	0.47534	1
0018 B 461	9141458	F	1.57	0.47622	*			1
	9230854	F	1.58	0.47661	*			1
	9231011	B	1.57	-0.47319	*			1
			12.13			-10.89	16.75965	

-*- FIELD ABSTRACT -*-

970909-980818 HGZ L25854 6.0 MM ORDER 2 CLASS 1 PAGE 3
 LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
 LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
 SIDE OF THE KISSIMMEE RIVER.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)		-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0018 B 461	9131103	F	0.11	-0.10373	*	0.30	-0.10358	1
0019 K117	9131255	B	0.12	0.10343	*			1
	SL 1		12.24			-10.59	16.65607	
0019 K117	9131119	F	0.71	0.52502	*	-0.53	0.52475	1
0020 K116	9131209	B	0.71	-0.52449	*			1
	SL 1		12.95			-11.12	17.18082	
0018 B 461	9130957	B	1.27	0.74152	*	-5.02	-0.73985	1
0021 C 461	9231131	F	1.27	-0.73650	*			1
	9241252	B	1.27	0.74154	*			1
			13.40			-15.92	16.01980	

NGVD29. ABS

0021 C 461	9231308 F	0.56	-0.29972 *	-1.50	-0.30047	1
0022 D 461	9241151 B	0.56	0.30123 *			1
		13.96		-17.42	15.71933	
0022 D 461	9231338 F	0.05	-0.54412 *	0.13	-0.54406	1
0023 E 461	9241143 B	0.05	0.54400 *			1
		14.01		-17.29	15.17527	
0023 E 461	9231347 F	0.06	1.18820 *	0.00	1.18820	1
0024 F 461	9241135 B	0.06	-1.18820 *			1
		14.08		-17.30	16.36347	
0024 F 461	9231355 F	1.82	-0.34367 *	-0.36	-0.34385	1
0025 G 461	9241015 B	1.80	0.34403 *			1
		15.88		-17.66	16.01962	
0025 G 461	9231501 F	0.64	-0.03350 *	0.78	-0.03311	1
0026 H 461	9240937 B	0.67	0.03272 *			1
		16.51		-16.88	15.98651	
0026 H 461	9240818 B	1.88	-0.05694 *	-3.16	0.05852	1
0027 J 461	9250849 F	1.87	0.06010 *			1
		18.38		-20.04	16.04503	
0027 J 461	9241420 B	1.61	0.00876 *	-3.33	-0.00710	1
0028 K 461	9251006 F	1.61	-0.00544 *			1
		19.99		-23.36	16.03793	
0028 K 461	9241401 B	0.49	-0.51255 *	0.08	0.51250	1
0029 KR 1564	9251107 F	0.49	0.51246 *			1
		20.49		-23.28	16.55043	
0029 KR 1564	9251217 F	1.57	-0.94212 *	-2.59	-0.94341	1
0030 L 461	9261014 B	1.57	0.94470 *			1
		22.06		-25.87	15.60702	

-*- FIELD ABSTRACT -*-

970909-980818 HGZ L25854 6.0 MM ORDER 2 CLASS 1 PAGE 4
 LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
 LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
 SIDE OF THE KISSIMMEE RIVER.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0030 L 461	9251316 F	0.54	1.47230	1.47230 *	0.10	1.47234	1
0031 KR BM P. 8	9260935 B	0.58	-1.47239				1
		22.60		-25.77	17.07936		
0031 KR BM P. 8	10211152 F	1.18	-0.61447				1
0092 MACK	10211338 B	1.17	0.61789				1
	7240857 B	1.17	0.61532				1
	SL 1	23.77		-27.91	16.46347		
0092 MACK	10211247 F	0.09	0.01510		0.25	0.01523	1
0093 P-1	10211334 B	0.09	-0.01535				1
	SL 2	23.86		-27.65	16.47870		
0093 P-1	10211301 F	0.07	0.00812		0.33	0.00828	1
0094 KR 1388	10211327 B	0.07	-0.00845				1
	SL 2	23.93		-27.32	16.48698		
0092 MACK	7241033 F	0.35	-0.06679	R*	1.22	-0.01569	1
0105 Z 473	7251537 B	0.35	0.01488	*			1
	7251606 F	0.35	-0.01647	*			1
	8180906 F	0.35	-0.01572	*			1
	SL 1	24.12		-26.69	16.44778		
0105 Z 473	7241059 F	0.05	0.02444	*	0.10	0.02445	1

NGVD29. ABS

0106 A 474	7251531 B	0.05	-0.02451	*				1	
	8180931 F	0.05	0.02439	*				1	
	SL 1	24.17			-26.59	16.47223			
0106 A 474	7241109 F	0.74	-1.68872	*	-2.81	-1.68928		1	
0107 B 474	7251453 B	0.74	1.69115	*				1	
	8180941 F	0.75	-1.68796	*				1	
	SL 1	24.91			-29.41	14.78295			
0107 B 474	7241246 F	1.26	-0.56423	*	0.42	-0.56334		1	
0108 C 474	7251410 B	1.26	0.56306	*				1	
	8181038 F	1.26	-0.56273	*				1	
	SL 1	26.17			-28.98	14.21961			
0108 C 474	7241342 F	0.46	-0.45173	*	0.32	-0.45199		1	
0109 D 474	7251354 B	0.46	0.45178	*				1	
	8181302 F	0.46	-0.45246	*				1	
	SL 1	26.63			-28.67	13.76762			
0109 D 474	7241402 F	0.04	-0.13637	*	0.25	-0.13647		1	
0110 E 474	7251337 B	0.04	0.13630	*				1	
	8181324 F	0.04	-0.13674	*				1	
	SL 1	26.67			-28.41	13.63115 $\frac{1}{2}$			
*- FIELD ABSTRACT *-									
970909-980818	HGZ L25854	6.0	MM	ORDER 2	CLASS 1	PAGE 5			
LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.									
LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST									
SIDE OF THE KISSIMMEE RIVER.									
FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C	
0110 E 474		7241405	F	0.04	0.24216	* -0.27	0.24211	1	
0111 F 474		7251330	B	0.04	-0.24193	* -0.27		1	
		8181330	F	0.04	0.24225	* -28.69	13.87326	1	
		SL 1		26.71					
0111 F 474		7241409	F	0.45	0.88646	* -0.27	0.88598	1	
0112 H 474		7251305	B	0.45	-0.88580	* -0.27		1	
		8181334	F	0.45	0.88568	* -28.96	14.75924	1	
		SL 1		27.16					
0112 H 474		7241431	F	1.44	0.26598	* -0.36	0.26600	1	
0113 G 474		7251155	B	1.43	-0.26575	* -0.36		1	
		8181354	F	1.43	0.26625	* -29.32	15.02524	1	
		SL 1		28.58					
0113 G 474		7251104	F	0.14	-1.13040	* 0.90	-1.13102	1	
0114 J 474		7251142	B	0.14	1.12932	* 0.90		1	
		8181456	F	0.14	-1.13255	* -28.42	13.89422	1	
		8181527	B	0.14	1.13182	* -28.42		1	
		SL 1		28.72					
0114 J 474		7251117	F	0.07	-0.25816	* -0.45	-0.25771	1	
0115 K 474		7251120	B	0.07	-0.74262	R* -0.45		1	
		7251131	B	0.07	0.25804	* -0.45		1	
		7251135	F	0.07	-0.25762	* -0.45		1	
		8181512	F	0.07	-0.25700	* -28.86	13.63651	1	
		SL 1		28.79					
0031 KR BM P. 8		9251533	F	1.11	-2.75096	* -1.19	-2.75205	1	
0032 M 461		9260840	B	1.11	2.75284	* -1.19		1	
		10070806	F	1.11	-2.75235	* -26.96	14.32731	1	
		SL 1		23.71					
0032 M 461		10070902	F	0.84	0.50437	* 0.43	0.50459	1	
0034 N 461		10081530	B	0.92	-0.50480	* 0.43		1	
		SL 1		24.54		-26.53	14.83190		

NGVD29. ABS

0034	N	461		10071009	F	1.40	0.90648	*	-2.80	0.90508	1
0035	H	34		10081432	B	1.39	-0.90367	*			1
						25.94			-29.33	15.73698	
0035	H	34		10071125	F	1.46	1.37928	*	-3.83	1.37737	1
0036	Q	461		10081329	B	1.45	-1.37545	*			1
						27.39			-33.16	17.11435	
0036	Q	461		10071256	F	0.64	-0.43800	*	-0.58	-0.43829	1
0037	KR	1594		10081248	B	0.64	0.43858	*			1
						28.02			-33.75	16.67606 ^φ	
- FIELD ABSTRACT -											
970909-980818 HGZ L25854 6.0 MM ORDER 2 CLASS 1 PAGE 6											
LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.											
LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST											
SIDE OF THE KISSIMMEE RIVER.											
	FROM			START	F/B	DI ST	ELEV DI FF		-(F+B)	MEAN DI FF	I
	TO					TOTAL	(MT)		TOTAL	FLD ELEV	C
						(KM)			(MM)	(MT)	
0037	KR	1594		10071358	F	1.55	-0.00124	*	-1.90	-0.00219	1
0038	R	461		10081133	B	1.55	0.00314	*			1
						29.57			-35.64	16.67387	
0038	R	461		10071458	F	1.33	-2.14689	*	0.26	-2.14676	1
0039	S	461		10081041	B	1.33	2.14663	*			1
						30.90			-35.38	14.52711	
0039	S	461		10081027	B	0.15	0.93959	*	0.16	-0.93967	1
0040	T	462		10090826	F	0.15	-0.93974	*			1
						31.06			-35.23	13.58744	
0040	T	462		10081014	B	0.12	-0.47099	*	-0.43	0.47120	1
0041	P	461		10090841	F	0.12	0.47142	*			1
						31.17			-35.66	14.05864	
0041	P	461		10080917	B	1.03	-1.89588	*	-2.43	1.89710	1
0042	T	461		10090853	F	1.04	1.89832	*			1
						32.20			-38.09	15.95574	
0042	T	461		10090957	F	0.39	-0.76323	*	-0.07	-0.76327	1
0043	KR	595		10101513	B	0.38	0.76330	*			1
						32.58			-38.17	15.19247	
0043	KR	595		10091030	F	1.68	-1.12970	*	-4.96	-1.13218	1
0044	H	28		10101353	B	1.68	1.13466	*			1
						34.25			-43.13	14.06029	
0044	H	28		10091157	F	0.21	1.30337	*	1.12	1.30393	1
0045	U	461		10101333	B	0.21	-1.30449	*			1
						34.46			-42.00	15.36422	
0045	U	461		10091307	F	0.90	-0.81965	*	-1.87	-0.82059	1
0046	V	461		10101201	B	0.89	0.82152	*			1
						35.36			-43.87	14.54363	
0046	V	461		10091343	F	0.16	1.29771	*	0.20	1.29781	1
0047	W	461		10101147	B	0.16	-1.29791	*			1
						35.52			-43.68	15.84144	
0047	W	461		10091400	F	0.19	-1.31964	*	-0.68	-1.31997	1
0048	X	461		10101126	B	0.18	1.32031	*			1
						35.70			-44.36	14.52147	
0048	X	461		10091413	F	1.41	0.01925	*	-2.37	0.01807	1
0049	Y	461		10101037	B	1.39	-0.01688	*			1
						37.09			-46.72	14.53954 ^φ	

NGVD29. ABS

-*- FIELD ABSTRACT -*-

970909-980818 HGZ L25854 6.0 MM ORDER 2 CLASS 1 PAGE 7
 LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
 LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
 SIDE OF THE KISSIMMEE RIVER.

FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0049 Y 461		10101008	B	0.19	-1.43382 *	-1.11	1.43437	1
0050 H 27		10110923	F	0.21	1.43493 *			1
				37.28		-47.83	15.97391	
0050 H 27		10100927	B	0.79	0.49292 *	-1.02	-0.49241	1
0051 KR 1379		10110943	F	0.79	-0.49190 *			1
				38.08		-48.85	15.48150	
0051 KR 1379		10100833	B	1.28	1.11623 *	-0.67	-1.11589	1
0052 Z 461		10111053	F	1.28	-1.11556 *			1
				39.35		-49.52	14.36561	
0052 Z 461		10121016	B	0.11	-0.68803 *	0.29	0.68789	1
0053 H 26		10121030	F	0.11	0.68774 *			1
				39.46		-49.23	15.05350	
0053 H 26		10120950	B	0.15	1.49935 *	0.24	-1.49947	1
0054 A 462		10121045	F	0.16	-1.49959 *			1
				39.61		-48.99	13.55403	
0054 A 462		10120857	B	0.92	0.50428 *	-1.65	-0.50346	1
0055 B 462		10121109	F	0.91	-0.50263 *			1
				40.53		-50.64	13.05057	
0055 B 462		10111500	B	1.71	0.16071 *	-2.09	-0.15966	1
0056 C 462		10121143	F	1.70	-0.15862 *			1
				42.23		-52.73	12.89091	
0056 C 462		10111428	B	0.77	0.55008 *	-1.31	-0.54942	1
0057 D 462		10211558	F	0.76	-0.54877 *			1
				42.98		-54.04	12.34149	
0057 D 462		10111411	B	0.06	-0.98310 *	-0.04	0.98312	1
0058 E 462		10220834	F	0.06	0.98314 *			1
				43.05		-54.08	13.32461	
0058 E 462		10111353	B	0.06	0.83683 *	0.36	-0.83701	1
0059 F 462		10220853	F	0.06	-0.83719 *			1
				43.11		-53.73	12.48760	
0059 F 462		10111246	B	1.26	-2.59594 *	-4.13	2.59801	1
0060 G 462		10220911	F	1.25	2.60007 *			1
				44.36		-57.85	15.08561	
0060 G 462		10221037	F	1.40	-0.90135 *	-4.01	-0.90335	1
0061 KR 1484 GPS		10231246	B	1.42	0.90535 *			1
				45.76		-61.86	14.18226 ⁹	

-*- FIELD ABSTRACT -*-

970909-980818 HGZ L25854 6.0 MM ORDER 2 CLASS 1 PAGE 8
 LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
 LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
 SIDE OF THE KISSIMMEE RIVER.

FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0061 KR 1484 GPS		10221230	F	1.85	0.52970 *	-2.94	0.52822	1

NGVD29. ABS

0062 U 462	10231102 B	1.84 47.61	-0.52675 *	-64.81	14.71048	1		
0062 U 462	10221357 F	1.49	2.79492 *	-5.12	2.79236	1		
0063 V 462	10230957 B	1.49 49.10	-2.78980 *	-69.93	17.50284	1		
0063 V 462	10221502 F	1.58	1.70435 *	-2.58	1.70306	1		
0064 W 462	10230909 B	1.58 50.68	-1.70177 *	-72.51	19.20590	1		
0064 W 462	10230806 B	1.74	0.31304 *	0.19	-0.31313	1		
0065 X 462	10240831 F	1.75 52.42	-0.31323 *	-72.32	18.89277	1		
0065 X 462	10231353 B	1.56	1.03969 *	-5.60	-1.03689	1		
0066 Y 462	10240941 F	1.55 53.97	-1.03409 *	-77.92	17.85588	1		
0066 Y 462	10241052 F	0.80	-0.90680 *	-0.79	-0.90719	1		
0067 H 12	10241138 B	0.80 54.77	0.90759 *	-78.71	16.94869	1		
0067 H 12	10241252 F	0.99	-0.38953 *	-0.32	-0.38969	1		
0068 A 463	10251024 B	0.99 55.76	0.38985 *	-79.03	16.55900	1		
0068 A 463	10241334 F	1.12	0.17869 *	-2.92	0.17723	1		
0069 H 11	10250918 B	1.12 56.88	-0.17577 *	-81.95	16.73623	1		
0069 H 11	10241419 F	0.82	-0.32383 *	-2.03	-0.32485	1		
0070 B 463	10250838 B	0.80 57.68	0.32586 *	-83.98	16.41138	1		
0070 B 463	10241508 F	0.84	-1.07684 *	0.10	-1.07679	1		
0071 C 463	10250802 B	0.82 58.50	1.07674 *	-83.88	15.33459	1		
0071 C 463	10251124 F	1.60	-1.22485 *	-1.20	-1.22545	1		
0072 D 463	11040938 B	1.60	1.22604 *	-85.07	14.10914	1		
	SL 1	60.10						
0072 D 463	10251309 F	0.38	0.33879 *	-0.97	0.33830	1		
0073 H 9	11040918 B	0.39	-0.33781 *	-86.05	14.44744	1		
	SL 1	60.48						
-*- FIELD ABSTRACT -*-								
970909-980818	HGZ L25854	6.0 MM	ORDER 2 CLASS 1	PAGE 9				
LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.								
LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST								
SIDE OF THE KISSIMMEE RIVER.								
FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0073 H 9		10251339	F	1.65	-1.08325 *	-2.90	-1.08470	1
0074 E 463		10261506	B	1.65	1.08615 *	-88.95	13.36274	1
		SL 1		62.13				
0074 E 463		10260913	F	0.30	-0.54991 *	0.24	-0.54979	1
0075 Y 75		10261452	B	0.31	0.54967 *	-88.71	12.81295	1
		SL 1		62.43				
0075 Y 75		10260934	F	0.34	0.44555 *	0.28	0.44569	1
0076 KR 1487 GPS		10261431	B	0.34	-0.44583 *	-88.43	13.25864	1
		SL 1		62.77				
0076 KR 1487 GPS		10260953	F	0.80	-0.09657 R*	2.33	-0.07710	1

NGVD29. ABS

0077 KR 1486 GPS	10261327 B	0.80	0.07593	*			1
	10261354 F	0.80	-0.07826	*			1
	SL 1	63.57			-86.10	13.18154	
0077 KR 1486 GPS	10261024 F	0.02	0.46551	*	-0.25	0.46538	1
0078 FCD 1	10261221 B	0.02	-0.46526	*			1
	SL 1	63.59			-86.35	13.64692	
0078 FCD 1	10261030 F	0.05	0.00505	*	-0.20	0.00495	1
0079 Z 462	10261214 B	0.05	-0.00485	*			1
	SL 1	63.63			-86.55	13.65187	
0079 Z 462	10261034 F	1.61	-1.01543	*	-3.74	-1.01730	1
0081 FLGPS 55	10261123 B	1.61	1.01917	*			1
	SL 1	65.24			-90.29	12.63457	
0071 C 463	11041044 F	1.56	-1.44419	*	-0.30	-1.44434	1
0082 F 463	11051504 B	1.56	1.44449	*			1
		60.06			-84.18	13.89025	
0082 F 463	11041153 F	1.68	-0.65122	*	-1.62	-0.65202	1
0083 G 463	11051352 B	1.69	0.65283	*			1
		61.74			-85.80	13.23823	
0083 G 463	11041406 F	1.53	-0.28232	*	-1.78	-0.28321	1
0084 H 463	11051136 B	1.53	0.28410	*			1
		63.27			-87.57	12.95502	
0084 H 463	11041506 F	1.65	0.41904	*	-5.21	0.41643	1
0085 J 463	11051005 B	1.65	-0.41383	*			1
		64.91			-92.78	13.37145	
0085 J 463	11050859 B	1.34	0.46153	*	-1.43	-0.46081	1
0086 K 463	11060932 F	1.34	-0.46010	*			1
		66.25			-94.21	12.91064♀	

-*- FIELD ABSTRACT -*-

970909-980818 HGZ L25854 6.0 MM ORDER 2 CLASS 1 PAGE 10
 LEVELING IN THE LAKE AND POLK COUNTIES AREA, FLORIDA.
 LEVELING FROM LAKE KISSIMMEE, SOUTH TO LAKE ISTOKPOGA ALONG THE WEST
 SIDE OF THE KISSIMMEE RIVER.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0086 K 463	11061046 F	1.13	-0.43784	*	-0.79	-0.43823	1
0087 FCD 7 FCD H 40	11071228 B	1.13	0.43862	*			1
		67.38			-95.00	12.47241	
0087 FCD 7 FCD H 40	11061143 F	2.00	0.32320	*	-6.14	0.32013	1
0088 FCD 8	11071024 B	2.00	-0.31707	*			1
		69.38			-101.13	12.79254	
0088 FCD 8	11061409 F	1.47	1.77490	*	-4.10	1.77285	1
0089 H 42	11070901 B	1.47	-1.77080	*			1
		70.86			-105.23	14.56539	
0089 H 42	11061538 F	1.61	1.08374	*	0.00	1.08374	1
0090 U 438							
		72.47			-105.23	15.64913♀	

ELEVATION REJECTION AND ERROR CODES

- C - section elevation difference was rejected for cause i.e. *43* record rejection code set to "F"
- R - section elevation difference was rejected by Halperin rejection algorithm
- @ - section elevation difference does not include refraction correction
- * - section elevation difference does not include rod correction

♀

I NSTRUMENT CODE

I NSTRUMENT

1 243 - 092714 396 - 025043 396 - 025046

♀

LEVEL LINE SECTION RUNNING TREE

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NGVD29. ABS

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 FROM

TO	N. LATITUDE	W. LONGITUDE	FIELD DISTANCE	VS. COMPUTED
0001	274814	0811156	0.00	0.00
0001 0101	274811	0811156	0.20	0.09
0101 0102	274811	0811156	0.03	0.00
0102 0103	274811	0811151	0.04	0.14
0103 0104	274811	0811151	0.07	0.00
0001 0002	274815	0811221	0.69	0.69
0002 0003	274815	0811239	0.52	0.49
0003 0006	274817	0811302	0.62	0.63
0006 0008	274806	0811306	0.48	0.36
0006 0007	274817	0811303	0.03	0.03
0007 0004	274817	0811332	0.82	0.79
0004 0005	274818	0811419	1.27	1.29
0006 0100	274730	0811306	1.45	1.45
0100 0009	274721	0811256	0.42	0.39
0009 0010	274641	0811226	1.61	1.48
0010 0011	274609	0811153	1.37	1.34
0011 0012	274546	0811140	0.85	0.79
0012 0013	274540	0811132	0.33	0.29
0013 0014	274455	0811102	1.72	1.61
0014 0015	274450	0811100	0.20	0.16
0015 0016	274441	0811103	0.26	0.29
0016 0017	274426	0811108	0.52	0.48
0017 0018	274351	0811042	1.57	1.29
0018 0019	274352	0811044	0.11	0.06
0019 0020	274352	0811109	0.71	0.68
0018 0021	274319	0811025	1.27	1.09
0021 0022	274322	0811004	0.56	0.58
0022 0023	274321	0811003	0.05	0.04
0023 0024	274321	0811003	0.06	0.00
0024 0025	274249	0810930	1.80	1.34
0025 0026	274229	0810922	0.64	0.65

NGVD29. ABS

0026	0027	274132	0810902	1. 87	1. 84	
0027	0028	274042	0810850	1. 61	1. 57	
0028	0029	274025	0810849	0. 49	0. 52	
0029	0030	273941	0810848	1. 57	1. 35	
0030	0031	273926	0810849	0. 54	0. 46	
0031	0092	273931	0810809	1. 17	1. 11	
0092	0093	273932	0810805	0. 09	0. 11	
0093	0094	273934	0810803	0. 07	0. 08	
0092	0105	273937	0810755	0. 35	0. 43	
0105	0106	273938	0810755	0. 05	0. 03	
0106	0107	273917	0810755	0. 74	0. 65	
0107	0108	273842	0810806	1. 26	1. 12	
0108	0109	273824	0810812	0. 46	0. 58	
0109	0110	273823	0810811	0. 04	0. 04	
0110	0111	273823	0810812	0. 04	0. 03	
0111	0112	273810	0810815	0. 45	0. 41	
0112	0113	273727	0810820	1. 43	1. 33	
0113	0114	273727	0810815	0. 14	0. 14	
0114	0115	273725	0810812	0. 07	0. 10	
0031	0032	273851	0810856	1. 11	1. 09	
0032	0034	273835	0810851	0. 84	0. 51	
0034	0035	273807	0810851	1. 39	0. 86	**
0035	0036	273724	0810852	1. 45	1. 32	
0036	0037	273706	0810905	0. 64	0. 66	
0037	0038	273620	0810917	1. 55	1. 45	
0038	0039	273541	0810921	1. 33	1. 21	
0039	0040	273536	0810920	0. 15	0. 16	
0040	0041	273532	0810919	0. 12	0. 13	
0041	0042	273504	0810930	1. 03	0. 91	
0042	0043	273456	0810937	0. 38	0. 31	
0043	0044	273415	0811010	1. 68	1. 55	
0044	0045	273417	0811012	0. 21	0. 08	
0045	0046	273358	0811034	0. 89	0. 84	
0046	0047	273355	0811031	0. 16	0. 12	
0047	0048	273355	0811039	0. 18	0. 22	
0048	0049	273325	0811118	1. 39	1. 41	
0049	0050	273319	0811120	0. 19	0. 19	
0050	0051	273303	0811141	0. 79	0. 76	
0051	0052	273235	0811215	1. 28	1. 27	
0052	0053	273233	0811218	0. 11	0. 10	
0053	0054	273234	0811223	0. 15	0. 14	
0054	0055	273235	0811254	0. 91	0. 85	
0055	0056	273138	0811256	1. 70	1. 76	
0056	0057	273119	0811242	0. 76	0. 70	
0057	0058	273122	0811240	0. 06	0. 11	
0058	0059	273119	0811239	0. 06	0. 10	
0059	0060	273042	0811223	1. 25	1. 22	
0060	0061	273002	0811204	1. 40	1. 34	
0061	0062	272935	0811237	1. 84	1. 23	**
0062	0063	272854	0811254	1. 49	1. 35	
0063	0064	272809	0811323	1. 58	1. 60	
0064	0065	272715	0811337	1. 74	1. 71	
0065	0066	272633	0811403	1. 55	1. 48	
0066	0067	272616	0811423	0. 80	0. 76	
0067	0068	272559	0811353	0. 99	0. 98	
0068	0069	272541	0811316	1. 12	1. 16	
0069	0070	272530	0811252	0. 80	0. 74	
0070	0071	272516	0811226	0. 82	0. 83	
0071	0072	272451	0811135	1. 60	1. 60	
0072	0073	272444	0811124	0. 38	0. 37	
0073	0074	272418	0811030	1. 65	1. 69	
0074	0075	272414	0811024	0. 30	0. 21	
0075	0076	272406	0811007	0. 34	0. 53	
0076	0077	272356	0810948	0. 80	0. 61	
0077	0078	272356	0810948	0. 02	0. 00	
0078	0079	272355	0810948	0. 05	0. 03	
0079	0081	272333	0810855	1. 61	1. 61	
0071	0082	272427	0811226	1. 56	1. 51	
0082	0083	272335	0811209	1. 68	1. 67	
0083	0084	272247	0811214	1. 53	1. 48	

NGVD29. ABS

0084	0085	272158	0811238	1.65	1.65
0085	0086	272129	0811308	1.34	1.22
0086	0087	272106	0811337	1.13	1.07
0087	0088	272020	0811429	2.00	2.01
0088	0089	271944	0811508	1.47	1.54
0089	0090	271904	0811428	1.61	1.65 [♀]

ABSTRA Versi on 5.21 -- October 1991 -- Tue Aug 25 14:40:29 1998

SECTION

FROM TO

E R R O R M E S S A G E S

- 0080 *** Bench mark description exists but mark not leveled to.
- 0034 0035 *** Field distance exceeds computed distance by more than 0.50 KM!
- 0061 0062 *** Field distance exceeds computed distance by more than 0.50 KM!