

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11-28-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY C.T.	LINE NO. 2	PAGE 1
AREA FLORIDA	TOPO MAP Lake City West - 7 1/2	STATE FLORIDA	COUNTY COLUMBIA	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y
R	U.S.C + G.S. Bm		BC-37 1953	Elevation	-	110.0				110.0					y 417,030 x -2,591,425 U.S.C. + G.S. Bm Elev. 110.0
	201		305 57 23	-2.9°	2.4	89° 30'	-1.8	+0.6	110.6		BS	-110	+168		
	201			"	1.8	89° 40'	-1.2	+0.6			BS	+4			
1	1648		326 58	"	9.1	-		-9.1		101.5		+1334	-967	418,258	2,590,624
2	1319		327 16	"	6.2	-		-6.2		104.4		+1072	-768	417,996	2,590,823
3	989		327 39	"	9.3	TH	+4.9	-4.4		106.2		+808	-571	417,732	2,591,020
4	660		328 04	"	6.0	TH	+3.3	-2.7		107.9		+542	-377	417,466	2,591,214
5	330		327 55	"	3.2	TH	+1.7	-1.5		109.1		+270	-189	417,194	2,591,402
6	0			"	5.2	-		-5.2		105.4	TP	0	0	416,924	2,591,591 and setup
7	330		148 31	"	8.0	90° 20'	-1.9	-9.9		100.7		-272	+186	416,652	2,591,777
8	660		"	"	9.8	90° 20'	-3.8	-13.6		97.0		-545	+373	416,379	2,591,964
9	990		"	"	9.3	90° 20'	-5.8	-15.1		95.5		-817	+559	416,107	2,592,152
10	1320		"	"	7.1	90° 20'	-2.7	-14.8		95.8		-1089	+745	415,835	2,592,336
11	1650		"	"	8.7	90° 10'	-4.8	-13.5		97.1		-1362	+932	415,562	2,592,523
12	1981		148 23 34	"	10.3	90° 10'	-5.8	-16.1		94.6	TP	-1632	+1122	415,295	2,592,711
12	1981		"	"	10.0	269° 50'	-5.8	-15.8	-16.0		TP	+3	-2		
	3299		328 55 00	"	+13.9	-		+13.9	108.2		BS	-2736	+1844		
	3299			-2.9°	+13.3	270°		+13.3	+13.6		BS	+3	-2		
13	2970		328 55	"	6.1	90° 10'	-8.6	-14.7		93.5		+2463	-1660	415,025	2,592,893
14	2640		"	"	6.9	90° 10'	-7.7	-14.6		93.6		+2189	-1476	414,751	2,593,077
15	2310		"	"	7.0	90° 10'	-6.7	-13.7		94.5		+1915	-1291	414,477	2,593,262

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DATE	11-28-83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	B. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	OT. B.C.	LINE NO.	2	PAGE	2
AREA	FLORIDA	TOPO MAP		STATE	FLORIDA	COUNTY	COLUMBIA	TWP		RANGE		PPM	
												PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									108.2									
16	1980		328° 55'	-2.9°	11.3	-		-11.3		96.9		+1642	-1107	414.204	2,593,446			↑
17	1650		329° 00'	"	7.8	-		-7.8		100.4		+1320	-920	413,932	2,593,633			LAKE CITY EAST-7 1/2'
18	1320		329° 06'	"	5.9	-		-5.9		102.3		+1097	-734	413,659	2,593,819			ELLISVILLE - 7 1/2'
19	990		" "	"	5.2	-		-5.2		103.0		+823	-551	413,385	2,594,002			↓
20	660		" "	"	8.0	TH	+3.3	-4.7		103.5		+548	-367	413,110	2,594,186			
21	330		" "	"	6.5	TH	+1.7	-4.8		103.4		+274	-184	412,836	2,594,369			
Bm	169		354° 23' 41"	"	3.6	-		-3.6		104.6	Bm	+167	-25	412,729	2,594,528			412,730 x 2,594,525 U.S.C+G.S Bm ELEV. 104.6 BC 38 1953
22	0			-2.9°	5.2	-		-5.2		103.0	T	0	0	412,562	2,594,553			
23	330		152° 02'	"	5.1	-		-5.1		103.1		-283	+169	412,279	2,594,722			
24	660		" "	"	5.7	-		-5.7		102.5		-567	+339	411,995	2,594,892			
IF	726		150° 16' 28"	"	5.4	-		-5.4		102.8	IF	-611	+391	411,951	2,594,944			411,970 x 2,594,945 WEST IF T-ROAD EL. 100.0
25	990		152° 02'	"	8.9	-		-8.9		99.3		-850	+508	411,712	2,595,061			
26	1320		" "	"	7.0	BH	-6.6	-13.6		94.6		-1133	+677	411,429	2,595,230			
27	1650		" "	"	7.2	BH	-8.3	-15.5		92.7		-1416	+847	411,146	2,595,400			
28	1980		" "	"	5.0	BH	-9.9	-14.9		93.3		-1700	+1016	410,862	2,595,569			
29	2310		152° 02'	"	12.7	-		-12.7		95.5		-1983	+1185	410,579	2,595,738			
30	2640		" "	"	7.4	-		-7.4		100.8		-2266	+1354	410,296	2,595,907			
31	2920		" "	"	9.8	89° 50'	+8.6	-1.2		107.0		-2549	+1524	410,013	2,596,077			
32	3301		151° 58' 02"	"	6.2	89° 50'	+9.6	+3.4		111.7	TP	-2831	+1697	409,734	2,596,248			
32	3301		" "	"	5.9	270° 10'	+9.6	+3.7	+3.5		TP	+3	-2					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
11-28-83		B. Cotcamp		D. Wrinkle		6834		C.T. B.C.		2	3			
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER					
FLORIDA		ELLISVILLE - 7 1/2		FLORIDA	COLUMBIA				L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										111.7				
	4288		332° 04' 11"	-2.9°	12.5	90° 10'	+12.5	+25.0	136.5		BS	-3682	+2198	
	4288				12.2	269° 50'	+12.5	+24.7	+24.8		BS	+3	-2	
33	3960		332° 04'		8.9	90° 10'	-11.5	-20.4		116.1		+3400	-2030	409,455 2,596,414
34	3630		" "		6.3	90° 10'	-10.6	-16.9		119.6		+3117	-1861	409,172 2,596,583
35	330		" "		6.7	90° 10'	-9.6	-16.3		120.2		+2834	-1691	408,889 2,596,253
17	3070		332° 21' 54"		6.3	90° 10'	-8.9	-15.2		121.3	17	+2644	-1560	408,699 2,596,884 408,690 x - 2,606,815 17 T-ROAD EAST EL. 121.0
36	2970		332° 04'		7.0	90° 10'	-8.6	-15.6		120.9		+2550	-1522	408,605 2,596,922
37	2640		" "		7.2	90° 10'	-7.7	-14.9		121.6		+2267	-1353	408,322 2,597,091
38	2310		" "		7.8	90° 10'	-6.7	-14.5		122.0		+1984	-1184	408,039 2,597,260
39	1980		" "		8.1	90° 10'	-5.8	-13.9		122.6		+1700	-1015	407,755 2,597,429
40	1650		332° 04'		9.0	90° 10'	-4.8	-13.8		122.7		+1417	-846	407,472 2,597,598
41	1320		" "		10.0	90° 10'	-3.8	-13.8		122.7		+1133	-677	407,188 2,597,767
42	990		" "		11.0	90° 10'	-2.9	-13.9		122.6		+850	-507	406,955 2,597,937
43	660		" "		9.0	90° 10'	-1.9	-10.9		125.6		+567	-338	406,622 2,598,106
44	330		" "		6.0	90° 10'	-1.0	-7.0		129.5		+283	-169	406,338 2,598,275
45	0			-2.9°	5.2	-		-5.2		131.3	T	0	0	406,055 2,598,444
46	330		152° 00'		6.2	90° 40'	-3.8	-10.0		126.5		-283	+169	405,772 2,598,613 405,500 x - 2,608,810
47	616		150° 22' 22"		9.9	90° 40'	-7.2	-17.1		119.4	47	-519	+331	405,536 2,598,725 17 T-ROAD EAST EL. 118.0
47	660		152° 00'		9.0	90° 50'	-9.6	-18.6		117.9		-566	+339	405,489 2,598,783
48	990		" "		9.9	91° -	-17.3	-27.2		109.3		-849	+508	405,206 2,598,952

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DATE 11-28-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Winkle	PARTY NUMBER 6834	NOTES CHECKED BY C.T. B.C.	LINE NO. 2	PAGE 4
AREA FLORIDA	TOPO MAP	STATE FLA.	COUNTY COLUMBIA	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									136.5					
49	1320		152° 00'	-29°	9.2	91° -	-23.0	-32.2		104.3		-1133	+678	404,922, 2,599,122
50	1650		" "	" "	6.4	91° -	-28.8	-35.2		101.3		-1416	+847	404,639, 2,599,291
51	1980		" "	" "	8.7	90° 50'	-28.8	-37.5		99.0		-1699	+1017	404,356, 2,599,461
52	2310		" "	" "	5.7	90° 50'	-33.6	-39.3		97.2		-1982	+1186	404,073, 2,599,630
53	2640		" "	" "	11.1	90° 40'	-30.7	-41.8		94.7		-2265	+1356	403,790, 2,599,800
54	2967		152° 45'	" "	5.2	90° 40'	-34.5	-39.7		96.8		-2566	+1490	403,489, 2,599,974
TP	3188		153° 06' 45"	" "	7.6	90° 30'	-27.8	-35.4		101.2	TP	-2767	+1584	403,291, 2,600,026
TP	3188		" "	" "	7.3	269° 30'	-27.8	-35.1	-55.3		TP	+3	-2	
	4732		358° 14' 51"	" "	12.9	-		+12.9	113.8		BS	-4716	+384	
	4732		" "	" "	12.4	270° -		+12.4	112.3		BS	+3	-2	
55	4615		358° 01'	-29°	6.1	90° 06'	-8.1	-14.2		99.6		+4598	-393	403,176, 2,600,015
56	4290		" "	" "	8.7	90° 06'	-7.5	-16.2		97.6		+4274	-365	402,852, 2,600,043
57	3960		" "	" "	12.2	90° 06'	-6.9	-19.1		94.7		+3946	-337	402,524, 2,600,071
58	3630		358° 01'	" "	9.9	90° 10'	-10.6	-20.5		93.3		+3617	-309	402,195, 2,600,099
59	3300		" "	" "	10.8	90° 10'	-9.6	-20.4		93.4		+3288	-281	401,866, 2,600,127
Bm	3006		358° 37' 31"	" "	10.5	90° 10'	-8.7	-19.2		94.6	Bm	+2998	-224	401,576, 2,600,184 S.G.S. Bm EL. 94.0 45 FPN
60	2970		358° 01'	" "	5.1	BH	-14.9	-20.0		93.8		+2959	-253	401,537, 2,600,155
61	2640		" "	" "	7.1	BH	-13.2	-20.3		93.5		+2630	-225	401,208, 2,600,183
62	2310		" "	" "	9.0	BH	-11.6	-20.6		93.2		+2302	-197	400,880, 2,600,211
63	1980		" "	" "	10.3	BH	-9.9	-20.2		93.6		+1973	-169	400,551, 2,600,239

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DATE 11-29-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY C.P.	LINE NO. 2	PAGE 5
AREA FVA.	TOPO MAP Ellisville - 7 1/2'	STATE FLA.	COUNTY Columbia	TWP	RANGE	PPM
			PARTY MANAGER L.O. Davis			

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									113.8									
64	1650		358° 01'	-2.9°	12.0	BH	-8.3	-20.3		93.5		+1644	-140	400,222	2,600,268			
65	1320		" "	" "	11.0	BH	-6.6	-17.6		96.2		+1315	-112	399,893	2,600,296			
66	990		" "	" "	8.3	BH	-5.0	-13.3		100.5		+986	-84	399,564	2,600,324			
67	660		" "	" "	8.3	-		-8.3		105.5		+658	-56	399,236	2,600,352			
68	330		" "	" "	5.0	-		-5.0		108.8		+329	-28	398,907	2,600,380			
69	0			-2.9°	5.2	-		-5.2		108.6	π	0	0	398,578	2,600,408			
Bm	178		156° 32' 35"	" "	3.0	-		-3.0		110.8	Bm	-160	+79	398,418	2,600,487		3-398,380 X-2,600,505 U.S.C+G.S. Bm EL. 111.0 BC 41 1953	
70	330		178° 07'	" "	5.7	89° 50'	+1.0	-4.7		109.1		-329	+28	398,249	2,600,436			
71	660		" "	" "	6.7	89° 50'	+1.9	-4.8		109.0		-658	+55	397,920	2,600,463			
#	819		176° 52' 12"	" "	6.9	89° 50'	+2.4	-4.5		109.3	#	-814	+86	397,764	2,600,494		3-397,725 X-2,600,510 T-WAY INT. EL. 109.0	
72	990		178° 07'	" "	7.8	89° 50'	+2.9	-4.9		108.9		-987	+83	397,591	2,600,491			
73	1320		" "	" "	9.2	89° 50'	+3.8	-5.4		108.4		-1315	+110	397,263	2,600,518			
74	1650		" "	" "	11.0	89° 50'	+4.8	-6.2		107.6		-1644	+138	396,934	2,600,546			
75	1980		" "	" "	7.7	-		-7.7		106.1		-1973	+165	396,605	2,600,523		4-396,470 X-2,600,615	
IF	2091		177° 36' 58"	" "	7.4	-		-7.4		106.4	IF	-2082	+193	396,496	2,600,601		T-ROAD EAST EL. 106.0	
76	2310		178° 07'	-2.9°	8.9	-		-8.9		104.9		-2302	+193	396,276	2,600,601			
77	2640		" "	" "	10.1	-		-10.1		103.7		-2631	+220	395,947	2,600,628			
78	2970		" "	" "	7.9	90° 10'	-8.6	-16.5		97.3		-2960	+248	395,618	2,600,656			
79	3300		" "	" "	12.1	90° 10'	-9.6	-21.7		92.1		-3289	+275	395,289	2,600,683			
80	3630		" "	" "	11.5	90° 10'	-10.6	-22.1		91.7		-3617	+303	394,961	2,600,711			

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DATE 11.29.83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Winkle	PARTY NUMBER 6834	NOTES CHECKED BY DW CT	LINE NO. 2	PAGE 6
AREA FLORIDA	TOPO MAP Ellisville - 7 1/2'	STATE FLA.	COUNTY COLUMBIA	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									113.8					
81	3960		178° 07'	-2.9°	7.2	90° 10'	-11.5	-18.7		95.1		-3946	+330	394,632 2,600,738
82	4290		" "	" "	11.7	90° 02'	-2.5	-14.2		99.6		-4275	+358	394,303 2,600,766
83	4620		" "	" "	5.9	90° 02'	-2.7	-8.6		105.2		-4604	+385	393,974 2,600,793
84	4950		" "	" "	11.0	89° 54'	+8.7	-2.3		111.5		-4933	+413	393,645 2,600,821
85	5280		" "	-2.9°	11.6	89° 50'	+15.4	+3.8		117.6		-5262	+440	393,316 2,600,848
86	5613		178° 02' 25"	-3.0°	3.6	89° 50'	+16.3	+12.7		126.5	TP	-5591	+495	392,990 2,600,901
86	5613		" "	" "	3.5	270° 10'	+16.3	+12.8			TP	+3	-2	
	5603		358° 03' 37"	" "	+14.8	90° 16'	+26.1	+40.9	167.1		BS	-5581	+492	
	5603		" "	" "	+14.3	269° 44'	+26.1	+40.4	+4063		BS	+3	-1	
87	5280		358° 01'	" "	13.0	90° 16'	-24.6	-37.6		129.5		+5260	-459	392,672 2,600,933
#	5081		358° 13' 21"	" "	12.9	90° 16'	-23.6	-36.5		130.6	#	+5063	-432	392,475 2,600,960
88	4950		358° 01'	" "	12.7	90° 16'	-23.0	-35.7		131.4		+4931	-430	392,343 2,600,962
89	4620		" "	-3.0°	11.6	90° 16'	-21.5	-33.1		134.0		+4603	-401	392,015 2,600,991
90	4290		" "	" "	9.9	90° 16'	-19.9	-29.8		137.3		+4274	-373	391,686 2,601,019
91	3960		" "	" "	8.4	90° 16'	-18.4	-26.8		140.3		+3945	-344	391,357 2,601,048
92	3630		358° 01'	" "	7.0	90° 16'	-16.9	-23.9		143.2		+3616	-315	391,028 2,601,077
93	3300		" "	" "	11.9	90° 10'	-9.6	-21.5		145.6		+3288	-287	390,700 2,601,105
94	2970		" "	" "	10.8	90° 10'	-8.6	-19.4		147.7		+2959	-258	390,371 2,601,134
95	2640		" "	" "	9.8	90° 10'	-7.7	-17.5		149.6		+2630	-229	390,042 2,601,163
96	2310		" "	" "	8.8	90° 10'	-6.7	-15.5		151.6		+2301	-201	389,713 2,601,191

392,475 x 2,600,960
4 way int. $\frac{Y+38}{X-17}$
corr.

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GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-29-83		B. Cotcamp		D. Wrinkle		6834		CT		2		7			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Ellisville - 7 1/2'		FLA.		Columbia								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									167.1						
97	1980		358° 01'	-3.0°	7.9	90° 10'	-5.8	-13.7		153.4		+1973	-172	389,385	2,601,220
98	1650		" "	" "	7.1	90° 10'	-4.8	-11.9		155.2		+1644	-143	389,056	2,601,249
99	1320		" "	" "	6.5	90° 10'	-3.8	-10.3		156.8		+1315	-115	388,727	2,601,277
4F	1042		359° 04' 52"	" "	5.1	90° 10'	-3.0	-8.1		159.0	4F	+1039	-73	388,451	2,601,319
100	990		358° 01'	" "	7.9	-		-7.9		159.2		+986	-86	388,398	2,601,306
101	660		" "	" "	9.0	TH	+3.3	-5.7		161.4		+658	-57	388,070	2,601,335
102	330		" "	" "	6.1	TH	+1.7	-4.4		162.7		+329	-29	387,741	2,601,363
Bm	94		296° 59' 05"	" "	4.4	-		-4.4		162.7	Bm	+38	-86	387,450	2,601,306
103	0			-3.0°	5.2	-		-5.2		161.9	T	0	0	387,412	2,601,392
1F	245		174° 24' 11"	" "	2.5	91° -	-4.3	-6.8		160.3	1F	-242	+37	387,170	2,601,429
104	330		178° 11'	" "	2.6	91° -	-5.8	-8.4		158.7		-329	+28	387,083	2,601,420
105	660		" "	" "	3.6	91° -	-11.5	-15.1		152.0		-658	+55	386,754	2,601,447
106	990		" "	" "	8.8	91° -	-17.3	-26.1		141.0		-987	+83	386,425	2,601,425
107	1320		" "	" "	10.0	91° 12'	-27.6	-37.6		129.5		-1315	+111	386,097	2,601,503
108	1650		178° 11'	" "	13.8	91° 14'	-35.5	-49.3		117.8		+1644	+139	385,768	2,601,531
109	1980		" "	" "	11.8	91° 14'	-42.6	-54.4		112.7		-1973	+166	385,439	2,601,558
110	2310		" "	" "	7.9	91° 10'	-47.0	-54.9		112.2		-2302	+194	385,110	2,601,586
111	2646		" "	" "	9.1	91° -	-46.1	-55.2		111.9		-2631	+222	384,781	2,601,614
112	2970		" "	" "	3.9	91° -	-51.8	-55.7		111.4		-2960	+249	384,452	2,601,641
113	3300		" "	" "	11.3	90° 50'	-48.0	-59.3		107.8		-3288	+277	384,124	2,601,669

388,460 x = 2,601,320
4 way int.

387,450 x = 2,601,330
USLNGS. BC 43 1953 Elev. 1620

387,170 x = 2,601,450
T-ROAD west

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	11.29.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW QT	LINE NO.	2	PAGE	8
AREA	FLORIDA	TOPO MAP	ELLISVILLE - 7 1/2	STATE	FLA.	COUNTY	COLUMBIA	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									167.1					
114	3630		178° 11'	-3.0°	9.0	90° 50'	-52.8	-61.8		105.3		-3617	+305	383,795 2,601,697
115	3760		" "	" "	4.8	90° 50'	-51.6	-62.4		104.7		-3946	+333	383,466 2,601,725
116	4290		" "	" "	12.1	90° 40'	-49.9	-62.0		105.1		-4275	+360	383,137 2,601,752
117	4620		" "	-3.0°	8.4	90° 40'	-53.7	-62.1		105.0		-4604	+388	382,808 2,601,780
118	4953		178° 08' 40"	-3.0	3.8	90° 40'	-57.6	-61.4		105.7	TP	-4935	+419	382,475 2,601,814
118	4953				3.7	269° 20'	-57.6	-61.3			TP	-2	+3	
	1978		1° 20' 18"	-3.0	4.8	91° -	+34.5	+39.3	+39.3		BS	-1977	+57	
	1978				4.6	269° -	+34.5	+39.1	144.9		BS	-2	+3	
119	1650		1° 26'	-3.0°	9.1	91° -	-28.8	-42.4		102.5		+1649	-45	382,145 2,601,829
120	1320		" "	" "	9.6	91° -	+23.0	-32.6		112.3		+1320	-36	381,816 2,601,838
121	990		" "	" "	8.3	91° -	-17.3	-25.6		119.3		+990	-27	381,486 2,601,847
122	660		" "	" "	7.0	91° -	-11.5	-18.5		126.4		+660	-18	381,156 2,601,856
#1	526		3° 17' 05"	" "	6.1	91° -	-9.2	-15.3		129.6	#1	+526	+3	381,022 2,601,877
123	330		1° 26'	" "	5.7	91° -	-5.8	-11.5		133.4		+330	-9	380,826 2,601,865
124	0				5.2	-		-5.2		139.7	T	0	0	380,496 2,601,874
Bm	157		156° 45' 33"	-3.0°	4.1	-		-4.1		140.8	Bm	-141	+69	380,355 2,601,943
125	330		181° 28'	" "	5.7	-		-5.7		139.2		-330	+9	380,166 2,601,883
126	660		" "	" "	8.0	-		-8.0		136.9		-660	+18	379,836 2,601,892
127	990		" "	" "	9.8	-		-9.8		135.1		-990	+26	379,506 2,601,900
#	1309		180° 46' 06"	" "	12.0	-		-12.0		132.9	#	-1308	+51	379,188 2,601,925

y = 381,000 x = 2,601,870
 T-Road west EL. 129.0
 y = 380,310 x = 2,601,955
 U.S. CGS Bm ELEV. 141.0
 BC45 reset 1975
 y = 379,170 x = 2,601,930
 # 4 way int. EL 133.0

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11-29-83		B. Cotcamp		D. Wrinkle		6834		C.J.		2		9			
AREA		TOPO MAR		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Ellisville - 7 1/2		FLA.		Columbia								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									144.9						
128	1320		181° 28'	-3.0	12.6	-		-12.6		132.3		-1320	+35	379,176	2,601,909
129	1650		181° 28'	--	12.0	BH	-8.3	-20.3		124.6		-1649	+44	378,847	2,601,918
130	1983		181° 24' 46"	--	13.8	90° 20'	-11.5	-25.3			TP	-1982	+55	378,572	2,601,932
130	1983				13.7	269° 40'	-11.5	-25.2		119.7	TP	-2	+3		
	2638		1° 34' 47"	-3.0	10.8	-		+10.8			BS	-2637	+65		
	2638				10.7	270°		+10.7	130.4		BS	-1	+3		
131	2310		1° 29'	-3.0	11.9	-		-11.9		118.5		+2309	-61	378,183	2,601,939
132	1980		" "	--	6.5	BH	-9.9	-16.4		114.0		+1979	-52	377,853	2,601,948
133	1650		" "	--	8.3	BH	-8.3	-16.6		113.8		+1649	-44	377,523	2,601,956
134	1320		" "	--	10.1	BH	-6.6	-16.7		113.7		+1320	-35	377,194	2,601,965
135	990		" "	--	9.7	BH	-5.0	-14.7		115.7		+990	-26	376,864	2,601,974
136	660		" "	--	7.0	-		-7.0		123.4		+660	-17	376,534	2,601,983
Bm	394		349° 24' 37"	--	3.4	-		-3.4		122.0	Bm	+383	-93	376,257	2,601,907
137	330		1° 29'	--	5.2	TH	+1.7	-3.5		126.9		+330	-9	376,204	2,601,991
138	0				5.2	-		-5.2		125.2	X	0	0	375,874	2,602,006
139	330		181° 35'	-3.0	7.2	-		-7.2		123.2		-330	+8	375,544	2,602,008
140	660		" "	--	10.3	-		-10.3		120.1		-660	+16	375,214	2,602,016
141	990		" "	--	8.0	BH	-5.0	-13.0		117.4		-990	+24	374,884	2,602,024
142	1320		" "	--	9.3	BH	-6.6	-15.9		114.5		-1320	+33	374,554	2,602,033
143	1650		" "	--	11.0	BH	-8.3	-19.43		111.1		-1650	+41	374,224	2,602,041

y=376,225 x=2,601,900
BC 46 USC 205
Elev 127 1953

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11.30.83		B. Cotcamp		D. Wrinkle		6834		C.J.		2		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		ELLISVILLE - 7 1/2'		FLA.		COLUMBIA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									130.4						
144	1980		181° 35'	-3.0	10.9	90° 20'	-11.5	-22.4		108.0		-1979	+49	373,895	2,602,049
145	2310		" "	"	9.2	90° 26'	-17.5	-26.7		103.7		-2309	+57	373,565	2,602,057
146	2642		181° 35' 42"	"	13.0	90° 26'	-20.0	-33.0		97.4	TP	-2641	+65	373,232	2,602,068
146	2642				12.9	269° 34'	-20.0	-32.9			TP	-	+35		
	2307		1° 35' 07"	-3.0	10.2	TH	-11.5	-1.3			BS	-2307	+57		
	2307				10.2	TH 270°	-11.5	-1.3	96.1		BS	-	+12		
147	1980		1° 35'	-3.0	5.5	-	-	-5.5		90.6		+1979	-49	372,903	2,602,078
≠	1676		2° 15' 06"	"	6.1	-	-	-6.1		90.0	≠	+1676	-22	372,600	2,602,105
148	1650		1° 35'	"	6.9	-	-	-6.9		89.2		+1650	-41	372,574	2,602,086
149	1320		" "	"	5.0	-	-	-5.0		91.1		+1320	-33	372,244	2,602,094
150	990		" "	"	7.6	TH	+5.0	-2.6		93.5		+990	-24	371,914	2,602,103
151	660		" "	"	5.3	TH	+3.3	-2.0		94.1		+660	-16	371,584	2,602,111
152	330		" "	"	7.7	89°	+5.8	-1.9		94.2		+330	-8	371,254	2,602,119
153	0				5.2	-	-	-5.2		90.9	X	0	0	370,924	2,602,127
154	330		181° 29'	-3.0	7.2	91°	-5.8	-13.0		83.1		-330	+9	370,594	2,602,136
155	660		" "	"	7.7	91°	-11.5	-19.2		76.9		-660	+17	370,264	2,602,144
≠	942		180° 16' 49"	"	2.8	91°	-16.4	-19.2		76.9	≠	-941	+45	369,983	2,602,172
156	990		181° 29'	"	8.2	90° 40'	-11.5	-19.7		76.4		-990	+26	369,934	2,602,153
157	1320		182° 34'	"	5.4	90° 40'	-15.4	-20.8		75.3		-1320	+10	369,604	2,602,137
158	1650		182° 57'	"	11.8	90° 20'	-9.6	-21.4		74.7		-1650	+1	369,274	2,602,128

y=372,595 x=2,602,095
T-ROAD WEST EL 89.0

y=369,983 x=2,602,170
T-ROAD EAST

SURVEY NOTES - HIGH RESOLUTION DATA
GEO-443

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
11:30.83		B. Cotcamp		D. Wrinkle		6834		C.J. DW		2	11					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
FLORIDA		ELLISVILLE - 7 1/2'		FLA.		Columbia					L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									96.1							
159	1980		182° 48'	-3.0	10.4	90° 20'	-11.5	-21.9		74.2		-1980	+7	368,944	2,602,134	ELLISVILLE - 7 1/2' ↑
160	2310		182° 43'	--	9.3	90° 20'	-13.4	-22.7		73.4		-2310	+11	368,614	2,602,138	Interstate 75 ↑
161	2640		182° 38'	--	8.1	90° 20'	-15.4	-23.5		72.6		-2640	+17	368,284	2,602,144	High Spd Mikeville - 7 1/2' ↑
162	2970		182° 33'	--	6.8	90° 20'	-17.3	-24.1		72.0		-2970	+23	367,954	2,602,150	
163	3300		182° 24'	--	7.2	90° 14'	-13.4	-20.6		75.5		-3300	+35	367,624	2,602,162	
164	3620		182° 09' 17"	--	2.0	90° 12'	-12.6	-14.6	-4.4	81.7	TP	-3620	+53	367,303	2,602,182	08' 53" Exact location of station lost in intersect
	4067		2° 13' 52"	-3.0	13.0	90° 04'	+4.7	+17.7	+17.5		BS	-4067	+55			
	4067				+12.6	269° 56'	+4.7	+17.3	99.2		BS					
161	4028		2° 48' 49"	--	9.6	90° 06'	-7.0	-16.6		82.6	TI	+4027	-13	367,261	2,602,225	y=367,250 x=2,602,215 T-ROAD west EL. 87.0
165	3743		2° 39'	--	8.6	90° 04'	-4.3	-12.9		86.3		+3743	-23	366,977	2,602,215	
166	3414		2° 43'	--	8.7	90° 04'	-4.0	-12.7		86.5		+3414	-17	366,648	2,602,221	
167	3084		" "	--	8.8	90° 08'	-7.2	-16.0		83.2		+3084	-15	366,918	2,602,223	
168	2754		2° 46'	-3.0	9.9	90° 14'	-11.2	-21.1		78.1		+2754	-11	365,988	2,602,227	
169	2424		2° 58'	--	10.0	90° 20'	-14.1	-24.1		75.1		+2424	-1	365,658	2,602,237	
170	2094		3° 02'	--	9.8	90° 20'	-12.2	-22.0		77.2		+2094	+1	365,328	2,602,239	
171	1764		3° 13'	--	10.8	90° 10'	-5.1	-15.9		83.3		+1764	+7	364,998	2,602,245	
172	1434		3° 29'	--	5.8	90° 10'	-4.2	-10.0		89.2		+1434	+12	364,668	2,602,250	
173	1104		3° 54'	--	9.7	89° 50'	+3.2	-6.5		92.7		+1104	+17	364,338	2,602,255	
174	775		4° 43'	--	8.1	89° 50'	+2.3	-5.8		93.4		+775	+23	364,009	2,602,261	

SURVEY NOTES - HIGH RESOLUTION DATA
GEO-445'

Geosource Inc.

DATE	11-30-83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	Coj. Dec	LINE NO.	2	PAGE	12	
AREA	FLORIDA	TOPO MAP	Mikesville - 7 1/2	STATE	FLA.	COUNTY	Columbia	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									99.2							
175	445		6° 34'	-3.0	7.6	89° 50'	+1.3	-6.3		92.9		+444	+28	363,678	2,602,266	
176	115		" "	" "	5.4	89° 50'	+0.3	-5.1		94.1		+115	+7	363,349	2,602,245	
Σ	0				5.2	-		-5.2		94.0	Σ	0	0	363,284	2,602,238	
177	215		189° 57'	-3.0	5.3	89° 50'	+0.6	-4.7		94.5		-213	-26	363,021	2,602,212	
178	545		192° 28'	" "	6.3	89° 50'	+1.6	-4.7		94.5		-538	-90	362,696	2,602,148	
179	875		189° 48' 34"	" "	6.7	89° 50'	+2.1	-4.6		94.6	179	-711	-85	362,523	2,602,153	y-362,510 x-2,602,195 curmet EL. 95.0
180	1205		193° 44'	" "	7.9	89° 40'	+2.0	-0.9		98.3		-1184	-224	362,050	2,602,014	
181	1535		193° 58'	-3.0	4.5	89° 40'	+8.9	+4.4		103.6		-1507	-292	361,727	2,601,946	
182	1865		194° 17'	" "	9.9	89° 20'	+21.7	+11.8		111.0		-1829	-365	361,405	2,601,873	
183	2195		" "	" "	4.1	89° 20'	+25.5	+21.4		120.6		-2153	-429	361,081	2,601,809	
184	2525		194° 24'	" "	11.7	89° 04'	+41.1	+29.4		128.6		-2475	-499	360,759	2,601,739	
Σ	2816		194° 01' 17"	" "	12.8	89° -	+49.1	+36.3		135.5	Σ	-2764	-538	360,470	2,601,700	Σ y-360,470 x-2,601,700 Σ T-ROAD west
185	2855		194° 23'	-3.0	12.9	89° -	+49.8	+36.9		136.1		-2799	-564	360,435	2,601,674	Horiz 3-17 cont. 2-20
186	3185		194° 25'	" "	11.8	89° -	+55.6	+43.8		143.0		-3122	-630	360,112	2,601,608	
187	3515		" "	" "	12.1	89° -	+61.3	+49.2		148.4		-3445	-696	359,789	2,601,542	
188	3845		194° 28'	" "	11.9	89° -	+67.1	+55.2		142.4		-3768	-764	359,466	2,601,474	
189	4177		194° 27' 53"	" "	12.3	89° -	+72.9	+60.6	+60.8	160.0	TP	-4093	-830	359,142	2,601,405	
189	4177				11.9	211° -	+72.9	+61.0			TP	"	-3			

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
12-2-83		D. Winkle		B CotCamp		6834		DW CJ		2	13			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Florida		Mikesville 7 1/2		FLA	Columbia					G. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										160.0				
BS	4616		14°37'00"	-3.0	+6.4	89°50'	-13.4	-7.0	153.1		BS	-4521	-929	
BS	4616				+6.6	270°10'	-13.4	-6.8	169.3		BS	+1	-3	
190.	4290		14°49'	-3.0	9.0	89°46'	+17.5	+8.5		161.6		+4199	+879	358,821 2,601,352
191	3960		" "	"	8.9	89°46'	+16.1	+7.2		160.3		+3876	+811	358,498 2,601,284
192	3713		" "	"	2.6	90°10'	-10.8	-13.4			192	+3634	+760	358,256 2,601,233 4-way inter.
192	3630		" "	"	8.2	89°44'	+16.9	+8.7		161.8		+3553	+743	358,175 2,601,216
193	3300		" "	"	9.0	89°44'	+15.3	+6.3		159.4		+3230	+676	357,852 2,601,149
194	2970		" "	"	6.4	89°50'	+8.6	+2.2		155.3		+2907	+608	357,529 2,601,081
195	2640		" "	"	10.1	89°50'	+7.7	-2.4		150.7		+2584	+541	357,206 2,601,014
196	2310		" "	"	10.9	89°50'	+6.7	-4.2		148.9		+2261	+473	356,883 2,600,946
197	1980		14°49'	-3.0	10.3	89°50'	+5.8	-4.5		148.6		+1938	+405	356,560 2,600,878
bridge	1781		15°47'	"	9.7	89°50'	+5.2	-4.5		148.6	bridge	+1737	+394	356,359 2,600,867 check elevation EL. 1490
198	1650		14°49'	"	9.7	89°50'	+4.8	-4.9		148.2		+1615	+338	356,237 2,600,811
199	1320		" "	"	6.6	89°50'	+3.8	-2.8		150.3		+1292	+270	355,914 2,600,743
200	990		" "	"	8.9	89°50'	+2.9	-6.0		147.1		+969	+203	355,591 2,600,676
201	660		" "	"	7.0	89°30'	+5.8	-1.2		151.9		+646	+135	355,268 2,600,608
202	330		" "	"	6.2	89°30'	+2.0	-3.3		149.8		+323	+68	354,945 2,600,541
203	0				5.0	-		-5.5		148.1	X	0	0	354,622 2,600,473
204	330		191°04'	-3.0	9.8	89°30'	+2.9	-6.9		146.2		-327	-46	354,295 2,600,427
Bm	556		195°10'	"	8.6	89°50'	+1.6	-7.0		146.1	Bm	-544	-117	354,078 2,600,356 4.5L+6.5 Bm EL. 144.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445'

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-2-83		D Winkle		B Cotcamp		6834		DW CJ		2	14				
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
Florida		Mikesville 7 1/2'		Fla.	Columbia					L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									153.1						
205	660		191°04'	-3.0	10.8	89°50'	+1.9	-8.9		144.2		-653	-93	353,969	2,600,380
206	990		" "	"	11.6	89°56'	+1.1	-10.5		142.6		-980	-139	353,642	2,600,334
207	1320		" "	"	8.8	90°10'	-3.8	-12.6		140.5		-1307	-185	353,315	2,600,288
208	1450		" "	"	9.0	90°10'	-4.8	-13.8		139.3		-1634	-232	352,988	2,600,241
209	1980		" "	-3.0	7.0	90°10'	-5.8	-12.8		140.3		-1960	-278	352,662	2,600,195
210	2310		" "	"	5.1	90°10'	-6.7	-11.8		141.3		-2287	-324	352,335	2,600,149
211	2640		" "	"	7.9	90°04'	-8.1	-11.0		142.1		-2614	-370	352,008	2,600,103
212	2970		" "	"	6.1	90°04'	-3.4	-9.5		143.6		-2941	-417	351,681	2,600,056
213	3300		191°04'	-3.0	6.8	90°04'	-3.8	-10.5		142.5		-3267	-463	351,355	2,600,010
71	3475		191°10'	"	8.3	90°04'	-11.0	-12.3		140.8	71	-3440	-494	351,182	2,599,977
214	3630		191°04'	"	8.3	90°06'	-6.4	-14.2		138.4		-3594	-509	351,028	2,599,964
215	3961		191°26'36"	"	11.2	90°08'	-4.2	-20.4		132.8	TP	-3918	-582	350,705	2,599,888
215	3961				11.0	269°52'	-9.2	-20.8	-20.8		TP	"	-3		
BS	3960		11°35'00"	-3.0	11.2	89°40'	-23.0	-11.8		121.3	BS	-3916	-591		
BS	3960				11.8	270°20'	-23.0	-11.2	-11.2		BS	"	-3		
216	3630		11°35'	"	11.9	89°40'	+21.1	+9.2		130.5		+3589	+542	350,379	2,599,836
217	3300		" "	"	11.0	89°40'	+19.2	+8.2		129.5		+3263	+493	350,053	2,599,787
218	2970		" "	"	11.7	89°40'	+17.5	+5.6		126.9		+2937	+443	349,727	2,599,737
219	2640		" "	"	10.1	89°40'	+15.4	+6.7		126.6		+2610	+394	349,400	2,599,688
1E	2547		11°56'36"	"	9.2	89°40'	+14.8	+5.6		126.9	1E	+2516	+396	349,306	2,599,690

71 - 351,175 X - 2,599,960

71 HWAY INT. EL. 141.0

71 - 349,300 X - 2,599,690

1E I-ROAD EAST

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-2-83		D. Wrinkle		B Cotcamp		6834		DW		2	15				
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
Florida		Mikesville 7 1/2'		FLA	Columbia					L.O. DAVIS					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
												LAT.	DEP.		
									121.3						
220	2310		11°35'	-3.0	8.8	89°40'	+13.4	+11.6		125.9		+2284	+345	349,074	2,599,639
221	1980		" "	" "	6.9	89°40'	+11.5	+11.2		125.9		+1958	+296	348,748	2,599,590
222	1650		" "	" "	10.0	89°30'	+14.4	+14.4		125.7		+1632	+246	348,422	2,599,540
223	1320		" "	" "	9.0	89°30'	+11.5	+2.5		123.8		+1305	+197	348,095	2,599,491
224	990		" "	" "	8.9	89°30'	+8.6	+0.3		121.0		+979	+148	347,769	2,599,442
225	660		" "	" "	8.8	89°30'	+5.8	-3.0		118.3		+653	+99	347,443	2,599,393
226	330		11°35'	" "	7.0	89°20'	+3.8	-3.2		118.1		+326	+49	347,116	2,599,343
Bm	45		255°41'54"	" "	3.3	89°30'	+0.1	-3.2		118.1	Bm	-13	-43	346,777	2,599,251
227	0				5.0	—		-5.0		116.3	X	0	0	346,790	2,599,294
228	330		190°45'	-3.0	10.1	89°50'	+1.0	-9.1		112.2		-327	-45	346,463	2,599,249
229	660		" "	" "	8.4	90°40'	-7.7	-16.1		105.2		-654	-89	346,136	2,599,205
230	990		190°45'	" "	11.0	90°40'	-11.5	-22.5		98.8		-981	-134	345,809	2,599,160
#1	1195		190°45'30"	" "	12.7	90°40'	-13.9	-26.6		94.7	#1	-184	-161	345,606	2,599,133
231	1320		190°44'	" "	10.3	90°50'	-19.2	-29.5		91.8		-1308	-178	345,482	2,599,116
232	1650		" "	-3.0	12.0	90°50'	-24.0	-36.0		85.3		-1635	-222	345,155	2,599,072
233	1980		" "	" "	8.4	91°	-34.6	-43.0		78.3		-1962	-264	344,828	2,599,028
234	2310		" "	" "	9.4	91°	-40.3	-49.7		71.6		-2289	-311	344,501	2,598,983
235	2640		190°44'	" "	7.4	91°	-46.1	-53.5		67.8		-2614	-355	344,174	2,598,939
Ridge	2863		190°18'18"	" "	5.2	91°	-50.0	-55.2		66.1	checked Elevation	-2839	-364	343,951	2,598,930

y-346,780 x-2,599,290
L.S.C. + G.S. Bm EL. 120.0

y-345,565 x-2,599,110
#1 TROAD west EL. 95.0

y-343,990 x-2,598,945
CULVERT CHECKED GL. 67.0

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-2-83		Dwrinkle		B. Cotcamp		6834		DW CJ		2	16				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Florida		Mikesville 7 1/2'		FLA		Columbia					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									121.3						
236	2968		190°49'	-3.0	9.3	90°40'	-34.5	-43.8		77.5		-2940	-404	343,850	2,598,890
237	3297		190°22'18"	"	9.2	90°40'	-38.4	-47.6		74.0	TP	-3270	-423	343,521	2,598,869
287	3297				8.6	269°20'	-38.4	-47.0	47.3		TP	+	-2		
BS	2311		3°07'30"	-3.0	13.5	89°30'	-20.2	-6.7	67.1		BS	-2311	-5		
BS	2311				+13.0	270°30'	-20.2	-7.2	69.3		BS	+	-2		
238	1981		2°41'	-3.0	7.2	89°30'	+17.3	+10.1		77.2		+1981	-11	343,192	2,598,851
239	1651		" "	"	9.8	89°20'	+19.2	+9.4		76.5		+1651	-9	342,862	2,598,853
240	1321		" "	"	8.9	89°20'	+15.4	+6.5		73.6		+1321	-7	342,532	2,598,855
241	991		" "	"	7.7	89°20'	+11.5	+3.8		70.9		+991	-5	342,202	2,598,857
242	661		" "	"	6.7	89°20'	+7.7	+1.0		68.1		+661	-4	341,872	2,598,858
243	331		" "	"	6.8	89°10'	+4.8	-2.0		65.1		+331	-2	341,542	2,598,860
244	0				5.0	-		-5.0		62.1	X	0	0	341,211	2,598,862
245	330		182°	-3.0	7.1	-		-7.1		60.0		+330	+6	340,881	2,598,868
246	660		182°23'	"	6.2	89°50'	+1.9	-4.3		62.8		-660	+7	340,551	2,598,869
247	990		" "	"	6.8	89°40'	+5.8	-1.0		66.1		-990	+11	340,221	2,598,873
248	1320		" "	"	6.5	89°40'	+7.8	+1.3		68.4		-1320	+14	339,891	2,598,876
249	1650		" "	"	9.5	89°30'	+14.4	+4.9		72.0		-1650	+18	339,561	2,598,880
250	1980		" "	"	8.9	89°30'	+17.3	+8.4		75.5		-1980	+21	339,231	2,598,883
251	2310		" "	"	8.8	89°30'	+20.2	+11.4		78.5		-2310	+25	338,901	2,598,887

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-2-83		D Wrinkle		B Cotcamp		6834		DW C.J.		2		17			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Florida		mikesville 7 1/2		FLA		Columbia								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									67.1						
252	2639		182°40'36"	-3.0	9.9	89°30'	+23.0	+13.1	+13.1	80.5	TP	-2639	+15	338,572	2,598,875
252	2639				9.3	270°30'	+23.0	+13.7			TP		-2		
BS	2309		2°52'48"	-3.0	+6.6	89°40'	-13.4	-6.9	73.7		BS	-2309	+5		
BS	2309				+6.6	270°20'	-13.4	-6.8			BS		-2		
253	1980		3°02'	~	11.1	89°30'	+17.3	+6.2		79.9		+1980	+1	338,243	2,598,879
254	1650		"	~	10.0	89°30'	+11.1	+4.4		78.1		+1650	+1	337,913	2,598,879
255	1320		"	~	9.0	89°30'	+11.5	+2.5		76.2		+1320	+1	337,583	2,598,879
256	990		"	~	7.5	89°30'	+8.4	+1.1		74.8		+990	+1	337,253	2,598,879
257	660		"	~	6.5	89°30'	+5.8	-0.7		73.0		+660	±0	337,923	2,598,878
258	330		3°02"	~	6.8	89°20'	+3.8	-3.0		70.7		+330	±0	337,593	2,598,878
259	0				5.0	-	-	-5.0		68.7	TP	0	0	336,263	2,598,878
260	330		181°44'	-3.0	9.7	89°20'	+3.8	-5.9		67.8		-330	+8	335,933	2,598,886
261	660		"	~	5.5	89°50'	+1.9	-3.6		70.1		-660	+15	335,603	2,598,893
262	990		181°44'	~	6.2	89°40'	+5.8	-0.4		73.3		-990	+22	335,273	2,598,900
TP	1274		181°09'18"	~	7.4	89°40'	+7.4	±0.0		73.7	TP	-1273	+41	334,990	2,598,919
263	1320		181°44'	~	7.9	89°40'	+7.7	-0.2		73.5		-1320	+29	334,943	2,598,907
264	1650		181°44'	~	11.8	89°40'	+9.6	-1.7		72.0		-1650	+36	334,613	2,598,914
265	1981		181°39'24"	~	10.3	89°50'	+5.8	-4.5	-4.3	69.4	TP	-1980	+46	334,283	2,598,922
265	1981				9.9	270°10'	+5.8	-4.1			TP		-2		

5-335,000 x-2,598,710
 TP 4 WAY INT. EL. 74.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
12-2-83		D Wrinkle		B Cotcamp		6834		DW		2	18			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Florida		Mikesville 7 1/2'		FLA						L.O. DAVIS				
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										69.4				
BS	3960		1°00'54"	-28°	11.0	89°50'	-11.5	-0.5	68.8		BS	-3958	+123	
BS	3960				+10.8	270°16'	-11.5	-0.7	68.8		BS		-2	
266	3630		0°56'	--	11.2	89°50'	+10.6	-0.6		68.2		+3628	-131	333,953 2,598,912
267	3300		" "	--	10.5	89°50'	+9.6	-0.9		67.9		+3298	-119	333,623 2,598,924
268	2970		" "	--	9.1	89°50'	+8.6	-0.5		68.3		+2968	-107	333,293 2,598,936
268	2741		1°43'54"	--	9.0	89°50'	+8.0	-1.0		67.8	Bridge	+2741	-51	333,066 2,598,992 y-333,050 x-2,599,015 Curreent checked EL. 680
269	2640		0°56'	-28°	8.2	89°50'	+7.7	-0.5		68.3		+2638	-95	332,963 2,598,948
270	2310		" "	--	6.2	89°50'	+6.7	+0.5		69.3		+2309	-83	332,634 2,598,960
271	1980		" "	--	10.0	89°40'	+11.5	+1.5		70.3		+1979	-71	332,304 2,598,972
272	1650		" "	--	8.8	89°40'	+9.6	+0.8		69.6		+1649	-60	331,974 2,598,985
273	1320		" "	--	8.4	89°40'	+7.7	-0.7		68.1		+1319	-48	331,644 2,598,995
274	990		" "	--	7.2	89°40'	+5.8	-1.4		67.4		+989	-36	331,314 2,599,007
274	933		1°53'12"	--	6.7	89°40'	+5.4	-1.3		67.5	IF	+933	-15	331,258 2,599,028 y-331,290 x-2,599,030 T-ROAD west
275	660		0°56'	--	6.2	89°40'	+3.8	-2.4		66.4		+660	-24	330,985 2,599,019
276	380		" "	--	6.7	89°30'	+2.9	-3.8		65.0		+330	-12	330,655 2,599,031
277	0		" "	--	5.0	--	--	-5.0		63.8	X	0	0	330,325 2,599,043
278	330		180°35'	-28°	7.9	89°30'	+2.9	-5.0		63.8		-330	+14	329,995 2,599,057
279	660		" "	--	7.9	89°30'	+5.8	-2.1		66.7		-659	+28	329,666 2,599,071
280	990		" "	--	8.5	89°30'	+8.6	+0.1		68.9		-989	+42	329,336 2,599,085

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-2-83		D Winkle		B Cotcamp		6834		B.C.		2		19			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Florida		Mikesville 7 1/2		FLA		Columbia								L.O. DAVIS	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									68.8						
281	1320		180° 35'	-2.8	10.4	89° 30'	+11.5	+1.1		69.9		-1319	+56	329,006	2,599,099
282	1650		" "	" "	7.9	89° 40'	+9.6	+1.7		70.5		-1649	+70	328,676	2,599,113
283	1980		" "	" "	9.0	89° 40'	+11.5	+2.5		71.3		-1978	+83	328,347	2,599,126
284	2310		" "	" "	10.5	89° 40'	+13.4	+2.9		71.7		-2308	+97	328,017	2,599,140
285	2640		180° 35'	" "	5.7	89° 40'	+7.7	+2.0		70.8		-2638	+111	327,687	2,599,154
1/2	2836		180° 35' 18"	-2.8	6.6	89° 50'	+8.3	+1.7		70.5	1/2	-2834	+109	327,491	2,599,152 ^{Y-327,485 x-2,599,140} T-ROAD west
286	2970		180° 35'	" "	7.2	89° 50'	+8.6	+1.4		70.2		-2967	+125	327,358	2,599,168
287	3300		" "	" "	8.0	89° 50'	+9.6	+1.6		70.4		-3297	+139	327,028	2,599,182
288	3630		180° 35'	" "	9.2	89° 50'	+10.6	+1.4		70.2		-3627	+153	326,698	2,599,196
289	3959		180° 56' 48"	" "	10.5	89° 50'	+11.5	+1.0	+1.3	70.1	TP	-3957	+128	326,368	2,599,169
289	3959		" "	" "	10.0	270° 10'	+11.5	+1.5			TP		-2		
BS	3960		0° 52' 12"	-2.8	5.2	89° 50'	-11.5	-6.3	63.7		BS	-3958	+133		
BS	3960		" "	" "	5.0	270° 10'	-11.5	-6.5	64.3		BS		-2		
290	3630		0° 52'	" "	10.0	89° 44'	+16.9	+6.9		70.6		+3627	-135	326,057	2,599,165
291	3300		" "	" "	8.8	89° 44'	+15.3	+6.5		70.2		+3298	-123	325,708	2,599,177
292	2970		" "	" "	7.7	89° 44'	+13.8	+6.1		69.8		+2968	-111	325,378	2,599,189
293	2640		0° 52'	" "	11.5	89° 40'	+15.4	+3.9		67.6		+2638	-98	325,084	2,599,202
3/1	2481		1° 11' 30"	" "	11.5	89° 40'	+14.4	+2.9		66.6	3/1	+2480	-70	324,890	2,599,230 ^{Y-324,890 x-2,599,230} T-ROAD west EL. 67.0, Mains 56, COR. X-28

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-2-83		D W Rinkler		B Cotcamp		6834		C.S.		2	20				
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER						
Florida		Mikesville 7 1/2		FLA	Columbia				L.O. DAVIS						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									63.7						
294	2310		0°52'	-2.8	11.8	89°40'	+13.4	+1.6		65.3		+2308	-86	324,718	2,599,214
295	1980		"	"	11.2	89°40'	+11.5	+0.3		64.0		+1979	-74	324,389	2,599,226
296	1650		"	"	10.1	89°40'	+9.6	-0.5		63.2		+1649	-61	324,059	2,599,239
297	1320		"	"	9.2	89°40'	+7.7	-1.5		62.2		+1319	-49	323,729	2,599,251
298	990		"	"	8.8	89°40'	+5.8	-3.0		60.7		+989	-37	323,399	2,599,263
299	660		"	"	8.5	89°40'	+3.8	-4.7		59.0		+660	-25	323,070	2,599,275
300	330		"	"	7.1	89°40'	+1.9	-5.2		58.5		+330	-12	322,740	2,599,288
Fence Line	178		174°57'06"	"	4.2	-	-	-4.2		59.5	Fence Line	-176	+24	322,234	2,599,324
301	0			"	5.0	-	-	-5.0		58.7	X	0	0	322,410	2,599,300
302	330		180°25'00"	-2.8	5.3	89°50'	+1.0	-4.3		59.4		-330	+15	322,080	2,599,315
303	660		"	"	5.7	89°50'	+1.9	-3.8		59.9		-659	+30	321,751	2,599,330
304	990		"	"	6.6	89°50'	+2.9	-3.7		60.0		-989	+45	321,421	2,599,345
305	1320		"	"	7.9	89°50'	+3.8	-4.1		59.6		-1319	+60	321,091	2,599,360
306	1650		"	"	9.2	89°50'	+4.8	-4.4		59.3		-1648	+74	320,762	2,599,374
307	1980		"	-2.8	10.8	89°50'	+5.8	-4.5		59.2		-1978	+89	320,432	2,599,389
308	2310		"	"	5.0	-	-	-5.0		58.7		-2308	+104	320,102	2,599,404
309	2640		"	"	6.0	-	-	-6.0		57.7		-2637	+119	319,773	2,599,419
310	2970		"	"	7.3	-	-	-7.3		56.4		-2967	+134	319,443	2,599,434
311	3300		"	"	8.0	-	-	-8.0		55.7		-3297	+149	319,113	2,599,449

4-322220 x 2599,320

11-fence line EL. 60.0




mikesoilla

High Springs

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-2-83		INSTRUMENT MAN DWRinkle		ROD MAN B Cotcamp		PARTY NUMBER 6834		NOTES CHECKED BY A.Y.		LINE NO. 2		PAGE 21				
AREA Florida		TOPO MAP High Springs 7 1/2		STATE FLA		COUNTY Columbia		TWP		RANGE		PPM		PARTY MANAGER L. O. PAUL'S		
STATION NO.	 SLOPE DISTANCE	 PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	 VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES Y X		REMARKS
									63.7							
312	3630		180°25'	-28°	8.0	-		-8.0		55.7		-3626	+164	318,784	2,599,464	
313	3960		180°26'54"	"	8.5	-		-8.5		55.2	TP	-3956	+186	318,454	2,599,486	
313	3960				8.5	210°		-8.5			TP					
BS	2310		1°37'48"	-2.8°	4.0	89°50'	-6.7	-2.7	52.3		BS	-2310	+47			
BS	2310				3.5	270°10'	-6.7	-3.2	29.3		BS					
314	1980		1°37'	-2.8°	10.7	89°40'	+11.5	+0.8		53.1		+1979	-48	318,123	2,599,485	
315	1650		" "	"	12.3	89°40'	+9.6	-2.7		49.6		+1650	-40	317,794	2,599,493	
316	1320		" "	"	8.1	89°50'	+3.8	-4.3		48.0		+1320	-32	317,464	2,599,501	
317	990		" "	"	6.9	89°50'	+2.9	-4.0		48.3		+990	-24	317,134	2,599,509	
318	660		" "	"	8.2	89°40'	+3.8	-4.4		47.9		+660	-16	316,804	2,599,511	
319	330		" "	"	6.2	89°40'	+1.9	-4.3		48.0		+330	-8	316,474	2,599,525	
320	0				5.0	-		-5.0		47.3	T	0	0	316,144	2,599,533	
Bm	23		207°22'54"	-2.8°	5.7	89°40'	+0.1	-5.6		46.7	Bm	-21	-9	316,123	2,599,524	2-316,122 X-2,599,509 2568 TR4 Rxc 1960 EL. 46.9
321	330		181°33'	"	6.8	89°40'	+1.9	-4.9		47.4		-330	+8	315,814	2,599,541	
322	660		" "	"	8.5	89°40'	+3.8	-4.7		47.6		-660	+17	315,484	2,599,550	
323	990		" "	"	9.9	89°40'	+5.8	-4.1		48.2		-990	+25	315,154	2,599,558	Columbia County
324	1320		" "	"	12.0	89°40'	+7.7	-4.3		48.0		-1320	+33	314,824	2,599,566	Alachua County
325	1650		" "	"	8.8	89°50'	+4.8	-4.0		48.3		-1649	+42	314,495	2,599,575	
326	1980		181°33'	"	9.5	89°30'	+5.8	-3.7		48.6		-1979	+50	314,165	2,599,583	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-2-83	INSTRUMENT MAN D. WRIGHT	ROD MAN B Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY DW	LINE NO. 2	PAGE 22
AREA Florida	TOPO MAP High Springs	STATE Florida	COUNTY Alachua	TWP	RANGE	PPM
					PARTY MANAGER L. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									52.3								316,144	2,599,533	
327	2308		180°33'	-28	8.5	89°50'	+6.7	+1.8		54.1		-2307	+58	313,837	2,599,591				
75	2444				12.5	89°44'	+11.4	-1.1		51.2									
328	2635		179°47'54"	"	7.1	89°50'	+7.7	+0.6		53.1	TP	-2631	+138	313,508	2,599,666				
328	2635				6.7	220°10'	+7.7	+1.0	+0.8		TP	.5	.5						
BS	1971		339°56'54"	"	+9.0	90°10'	+5.7	+14.7	67.7		BS	-1816	+765						
BS	1971				+8.8	269°50'	+5.7	+14.5	+14.6		BS	.5	.5						
329	1641		338°27'	-28	8.0	90°10'	-4.8	-12.8		54.9		+1495	-677	313,182	2,599,749				
330	1315		336°59'	"	6.2	90°10'	-3.8	-10.0		57.7		+1184	-573	312,871	2,599,853				
331	988		335°19'	"	9.2	89°50'	+2.9	-6.3		61.4		+877	-456	312,564	2,599,970				
332	658		333°57'	"	7.0	89°40'	+3.8	-3.2		64.5		+576	-318	312,263	2,600,108				
41	435		335°06'	"	5.4	89°40'	+2.5	-2.9		64.8		+385	-202	312,072	2,600,244			y inter.	
333	328		332°56'	"	7.1	89°20'	+3.8	-3.3		64.4		+284	-163	311,971	2,600,263				
334	0				5.0	-		-5.0		62.7	X	0	0	311,687	2,600,436				
335	330		146°34'	-28	5.8	-		-5.8		61.9		-266	+195	311,421	2,600,621				
336	660		"	"	8.1	-		-8.1		59.6		-532	+390	311,155	2,600,816				
337	990		"	"	9.5	-		-9.5		58.2		-799	+585	310,888	2,601,011				
338	1320		"	"	9.2	-		-9.2		58.5		-1065	+780	310,622	2,601,206				
339	1650		"	"	7.6	-		-7.6		60.1		-1331	+975	310,356	2,601,401				
340	1980		146°34'	"	6.2	-		-6.2		61.5		-1597	+1170	310,090	2,601,596				

y = 312,060 x = 2,600,225

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	INSTRUMENT MAN	ROD MAN	PARTY NUMBER	NOTES CHECKED BY	LINE NO.	PAGE
12-5-83	B. Potcamp	D. Wrinkle	6834	DW CJ	2	23
AREA	TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM
FLORIDA	High Springs - 7 1/2	FLA.	ALACHUA			
					PARTY MANAGER	
					L.O. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									67.7					
TP	2108		146° 59' 18"	-28°	7.2	-		-7.2		60.4	TP	-1709	+1233	309,973 2,601,654
TP	2108				7.5	270°		-7.5			TP	-5	-5	
	663		8° 53' 53"	"	9.6	-		+9.6			BS	-659	-70	
	663				+6.3	84	+3.3	+9.6		70.0	BS	-5	-5	
341	448		7° 24'	"	7.8	-		-7.8		62.2		+447	+36	309,756 2,601,615
342	118		4° 05'	"	6.6	-		-6.6		63.4		+118	+3	309,427 2,601,582
π	0				5.2	-		-5.2		64.8	π	0	0	309,309 2,601,579
343	220		214° 37'	-28°	5.7	-		-5.7		64.3		-187	-116	309,122 2,601,463
344	549		210° 55'	"	4.7	-		-4.7		65.3		-484	-259	308,825 2,601,320
345	879		210° 01'	"	8.9	TH	+4.4	-4.5		65.5		-782	-402	308,527 2,601,177
346	1209		209° 34' 36"	"	1.8	-		-1.8		68.2	TP	-1079	-545	308,225 2,601,029
346	1209				7.9	TH	+6.0	-1.9			TP	-5	-5	
	1320		29° 10' 06"	-28°	9.1	84	+6.6	+15.7		83.9	BS	-1183	-586	
	1320				+9.0	84 270°	+6.6	+15.6			BS	-7	-7	
347	990		29° 10'	"	9.7	-		-9.7		74.2		+887	+440	2,600,876
348	660		"	"	8.7	TH	+3.3	-5.4		78.5		+591	+293	2,600,729
349	330		"	"	7.5	-		-7.5		76.4		+296	+147	2,600,583
π											π			
350	0				5.2	-		-5.2		78.7	π	0	0	307,035 2,600,436
π	267		206° 11' 23"	"	6.4	91° 30'	-7.0	-13.4		70.5	π	-245	-106	306,796 2,600,330

Offset west between
306,790 x -2,600,330
350 + 31
= 32
Horiz corr. x -32

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
12-5-83		B. Cotcamp		D. Wrinkle		6834		DW C.Y.		2	25					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
FLORIDA		High Springs - 7 1/2		FLA.		ALACHUA					L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
360	499		180° 23' 23"	-2.8°	6.4	89° 20'	+5.8	-0.6	72.6	72.0	TP	-499	+21	302,847	2,601,932	
360	499				5.0	89° 30'	+4.4	-0.6			TP	-2	-1			
	1517		28° 59' 35"	-2.5°	5.1	BH	+7.6	+12.7	84.6		BS	-1358	-677			
	1517				+4.9	BH 270°	+7.6	+12.5	126.5		BS	-2	-1			
361	1320		29° 20'	-2.5°	10.1	-	-	-10.1		74.5		+1178	+596	302,665	2,601,850	
362	990		" "	" "	8.6	-	-	-8.6		76.0		+883	+447	302,370	2,601,701	
363	660		" "	" "	7.9	-	-	-7.9		76.7		+589	+298	302,076	2,601,552	
364	330		" "	" "	7.2	-	-	-7.2		77.4		+294	+149	301,781	2,601,403	
T	0				5.2	-	-	-5.2		79.4	T	0	0	301,487	2,601,254	
365	330		209° 18'	-2.5°	5.1	89° 20'	+3.8	-1.3		83.3		-295	-149	301,192	2,601,105	
Bm	387		211° 46' 41"	" "	5.1	-	-	-5.1		79.5	Bm	-338	-189	301,149	2,601,065	4-301,155 X-2,601,070 U.S.C. + G.S. Bm El. 80.0 #-62 1957
366	660		209° 18'	" "	5.9	TN	+3.3	-2.6		82.0		-589	-298	300,898	2,600,956	
367	990		" "	" "	8.1	-	-	-8.1		76.5		-884	-446	300,603	2,600,808	
368	1122		209° 14' 28"	" "	7.6	BH	-5.6	-13.2		71.5	TP	-1002	-505	300,483	2,600,748	
368	1122				7.4	BH 270°	-5.6	-13.0	-13.3		TP	-2	-1			
	1317		20° 23' 32"	-2.5°	13.3	BH	+6.6	+19.9			BS	-1253	-405			
	1317				+13.0	BH 270°	+6.6	+19.6	+19.83		BS	-2	-1			
369	990		18° 38'	" "	6.4	90° 50'	-14.4	-20.8		70.5		+951	+275	300,179	2,600,617	
370	660		18° 15'	" "	7.3	90° 50'	-9.6	-16.9		74.4		+635	+179	299,863	2,600,521	
371	330		" "	" "	6.9	90° 20'	-1.9	-8.8		82.5		+318	+90	299,546	2,600,432	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	12.5.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Winkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW C.J.	LINE NO.	2	PAGE	26	
AREA	FLORIDA	TOPO MAP	High Springs - 7 1/2	STATE	FLA.	COUNTY	ALACHUA	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									91.3					
372	0				5.2	-		-5.2		86.1	T	0	0	299,228 2,600,342
373	330		198° 14'	-2.5°	7.8	90° 20'	-1.9	-9.7		81.6		-318	-89	298,910 2,600,253
374	660		" "	" "	10.2	90° 20'	-3.8	-14.0		77.3		-635	-179	298,593 2,600,163
375	990		" "	" "	12.4	90° 20'	-5.8	-18.2		73.1		-953	-268	298,275 2,600,074
376	1320		" "	" "	11.4	90° 20'	-7.7	-19.1		72.2		-1271	-358	297,957 2,599,984
377	1650		" "	" "	7.8	90° 20'	-9.6	-17.4		73.9		-1588	-447	297,640 2,599,895
378	1978		197° 06'	-2.5°	6.1	90° 20'	-11.5	-17.6		73.7		-1914	-499	297,314 2,599,843
1/2	2021		196° 39' 06"	" "	5.8	90° 20'	-11.8	-17.6		73.7	TP	-1960	-494	297,266 2,599,848
1/2	2021				5.7	289° 40'	-11.8	-17.5			TP	-2		h-Inter EL 75.0
	1604		2° 04' 29"	-2.5°	8.9	84	+8.0	+16.9	90.4		BS	-1604	+12	
	1604				8.5	84 270'	+8.0	+16.5	91.7		BS	-2		
379	1320		0° 47'	" "	9.6	84	-6.6	-16.2		74.2		+1319	-40	296,979 2,599,820
380	990		0° 51'	" "	10.1	84	-5.0	-15.1		75.3		+990	-29	296,650 2,599,831
381	660		1° 06'	" "	9.3	84	-3.3	-12.6		77.8		+660	-16	296,320 2,599,844
382	330		2° 25'	" "	7.7	-		-7.7		82.7		+330	± 0	295,970 2,599,860
383	0				5.2	-		-5.2		85.2	T	0	0	295,660 2,599,860
384	330		179° 55'	-2.5°	2.3	89° 40'	+1.9	-0.4		90.0		-330	+15	295,330 2,599,825
385	660		" "	" "	4.0	89° 40'	+3.8	-0.2		90.2		-659	+30	295,001 2,599,890
386	990		" "	" "	5.9	89° 40'	+5.8	-0.1		90.3		-989	+45	294,671 2,599,905
387	1320		" "	" "	7.2	89° 40'	+7.7	+0.5		90.9		-1319	-160	294,341 2,599,920

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE								
12.5.83		B. Cotcamp		D. Wrinkle		6834		DW CJ		2	27								
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER									
FLA.		High Springs - 7 1/2'		FLA.	ALACHUA					L.O. Davis									
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									90.4										
388	1650		179° 32' 59"	-2.5°	9.0	89° 40'	+9.6	+0.6		91.2	TP	-1648	+85	294,010	2,599,945				
388	1650				8.6	270° 20'	+9.6	+1.0	+0.83		TP		-2						
	3628		0° 14' 27"		10.4	89° 50'	-10.6	-0.2	-0.43		BS	-3625	+143						
	3628				+9.9	270° 10'	-10.6	-0.7	90.8		BS		-2						
389	3300		0° 11'	-2.5°	9.4	89° 50'	+9.6	+0.2		91.0		+3297	-133	293,680	2,599,955				
390	2970		" "	" "	8.8	89° 50'	+8.6	-0.2		90.6		+2968	-120	293,351	2,599,968				
391	2640		" "	" "	8.1	89° 50'	+7.7	-0.4		90.4		+2638	-107	293,021	2,599,981				
392	2310		" "	" "	7.9	89° 50'	+6.7	-1.2		89.6		+2308	-93	292,691	2,599,995				
393	1980		0° 11'	-2.5°	7.3	89° 50'	+5.8	-1.5		89.3		+1978	-80	292,361	2,600,008				
394	1650		" "	" "	6.9	89° 50'	+4.8	-2.1		88.7		+1649	-67	292,032	2,600,021				
395	1320		" "	" "	6.4	89° 50'	+3.8	-2.6		88.2		+1319	-53	291,702	2,600,035				
396	990		0° 11'	" "	6.0	89° 50'	+2.9	-3.1		87.7		+989	-40	291,372	2,600,048				
397	660		" "	" "	5.4	89° 50'	+1.9	-3.5		87.3		+659	-27	291,042	2,600,061				
398	330		" "	" "	5.0	89° 50'	+1.0	-4.0		86.8		+330	-13	290,713	2,600,075				
#	212		4° 57' 12"	" "	4.6	89° 50'	+0.6	-4.0		86.8	#	+212	+9	290,595	2,600,091				4-290,580 X - 2,600,105 HWAY EL. 86.0
399	0				5.2	-		-5.2		85.6	X	0	0	290,383	2,600,088				
400	330		180° 29'	-2.5°	5.8	-		-5.8		85.0		-330	+12	290,053	2,600,100				
401	660		" "	" "	6.5	-		-6.5		84.3		-660	+23	289,723	2,600,111				
402	990		" "	" "	7.1	-		-7.1		83.7		-989	+35	289,394	2,600,123				
Bm	1066		172° 40' 25"	" "	2.8	-		-2.8		88.0	Bm	-1050	+182	289,333	2,600,270				3-289,315 X - 2,600,280 -47 1957

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-5-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. WINKLE	PARTY NUMBER 6834	NOTES CHECKED BY D.W. C.Y.	LINE NO. 2	PAGE 28
AREA FLORIDA	TOPO MAP High Springs - 7 1/2'	STATE FLA.	COUNTY ALACHUA	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									90.8					
403	1320		180° 29'	-2.5	8.1	-		-8.1		82.7		-1319	+46	289,064 2,600,134
404	1650		" "	" "	8.8	-		-8.8		82.0		-1649	+58	288,734 2,600,146
405	1980		" "	" "	9.4	-		-9.4		81.4		-1979	+70	288,404 2,600,158
406	2310		180° 29'	" "	10.2	-		-10.2		80.6		-2309	+81	288,074 2,600,169
407	2640		" "	" "	11.0	-		-11.0		79.8		-2638	+93	287,745 2,600,181
408	2970		" "	" "	11.8	-		-11.8		79.0		-2968	+105	287,415 2,600,193
409	3300		" "	" "	12.7	-		-12.7		78.1		-3298	+116	287,085 2,600,204
410	3630		" "	-2.5	7.1	90° 08'	-8.5	-15.6		75.2		-3628	+128	286,755 2,600,216
IF	3753		180° 10' 58"	" "	7.7	90° 08'	-8.7	-16.4		74.7	TP	-3750	+152	286,630 2,600,240 IF T-Inter EL. 75.0
IF	3753				7.1	269° 52'	-8.7	-15.8	76.13		TP	-3		401.2 5 - 27' CORR. X - 8'
	1856		0° 58' 17"	-2.4	12.0	-		+12.0	86.6		BS	-1855	+46	
	1856				11.8	270°		+11.8	119.3		BS	"	-3	
411	1650		0° 27'	-2.4	6.6	04	-8.3	-14.9		71.7		+1649	-56	286,425 2,600,233
412	1320		" "	" "	11.3	04	-6.6	-17.9		68.7		+1319	-45	286,095 2,600,244
413	990		" "	" "	11.9	04	-5.0	-16.9		69.7		+989	-34	285,765 2,600,255
414	660		" "	" "	11.7	-		-11.7		74.9		+660	-22	285,436 2,600,267
415	330		" "	" "	6.3	-		-6.3		80.3		+330	-11	285,106 2,600,278
416	0				5.2	-		-5.2		81.4	T	0	0	284,776 2,600,289
417	330		180° 30'	-2.4	7.8	-		-7.8		78.8		-330	+11	284,446 2,600,300
418	660		" "	" "	11.7	-		-11.7		74.9		-660	+22	284,116 2,600,311

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	12.6.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW	LINE NO.	2	PAGE	29	
AREA	FLORIDA	TOPO MAP	High Springs - 7 1/2	STATE	FLA.	COUNTY	ALACHUA	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									86.6							
418	816		179° 22' 12"	-2.4°	11.9	-		-11.9		74.7	4F	-815	+43	283,961	2,600,332	283,940 x-2,600,310 4-way inter.
419	990		180° 30'	"	12.2	-		-12.2		74.4		-989	+33	283,787	2,600,322	
420	1320		" "	"	12.2	-		-12.2		74.4		-1319	+44	283,457	2,600,333	
421	1650		" "	"	12.3	-		-12.3		74.3		-1649	+55	283,127	2,600,344	
422	1980		180° 28' 59"	"	12.4	-		-12.4		74.4	TP	-1979	+66	282,798	2,600,352	
422	1980		" "	"	12.1	270°		-12.1			TP	"	-3			
	3630		0° 26' 21"	-2.4°	11.0	90° 04'	+4.2	+15.2	89.4		BS	-3628	+124			
	3630		" "	"	10.5	269° 56'	+4.2	+14.7	15.0		BS	"	-3			
423	3300		0° 25'	"	11.2	90° 04'	-3.8	-15.0		74.4		+3298	-114	282,469	2,600,359	
424	2970		" "	"	11.4	90° 04'	-3.4	-14.8		74.6		+2968	-103	282,139	2,600,370	
425	2640		" "	"	11.3	90° 04'	-3.1	-14.4		75.0		+2638	-91	281,809	2,600,382	
426	2310		" "	"	11.3	90° 04'	-2.7	-14.0		75.4		+2309	-80	281,480	2,600,393	
427	1980		0° 25'	-2.4°	11.9	90° 04'	-2.3	-14.2		75.2		+1979	-69	281,150	2,600,404	
428	1650		" "	"	12.0	90° 04'	-1.9	-13.9		75.5		+1649	-57	280,820	2,600,416	
429	1320		" "	"	11.2	90° 04'	-1.5	-12.7		76.7		+1319	-46	280,490	2,600,427	
430	990		" "	"	10.6	90° 04'	-1.1	-11.7		77.7		+989	-34	280,160	2,600,439	
431	832		1° 33' 22"	"	9.4	90° 04'	-1.0	-10.4		79.0	4F	+832	-12	280,003	2,600,461	280,000 x-2,600,460 4-way int. EL. 78.0
431	660		0° 25'	"	8.1	90° 04'	-0.8	-8.9		80.5		+660	-23	279,831	2,600,450	
432	330		" "	"	5.2	-		-5.2		84.2		+330	-11	279,501	2,600,462	
433	0		" "	"	5.2	-		-5.2		84.2	T	0	0	279,171	2,600,473	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12.6.83		B. Cotcamp		D. Winkle		6834		D.W. C.W.		2		30			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		High Springs - 7 1/2		FLA.		ALACHUA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									89.4						
434	330		180° 28'	-24°	8.9	-		-8.9		80.5		-330	+11	278,841	2,600,484
435	660		" "	" "	12.0	-		-12.0		77.4		-660	+22	278,511	2,600,475
436	990		" "	" "	11.8	-		-11.8		77.6		-989	+33	278,182	2,600,506
437	1320		" "	" "	11.1	-		-11.1		78.3		-1319	+45	277,852	2,600,518
438	1650		" "	" "	10.3	-		-10.3		79.1		-1649	+56	277,522	2,600,529
439	1980		180° 28'	-24°	9.5	-		-9.5		79.9		-1979	+67	277,192	2,600,540
440	2310		" "	" "	8.8	-		-8.8		80.6		-2309	+78	276,862	2,600,551
441	2640		" "	" "	8.1	-		-8.1		81.3		-2639	+89	276,532	2,600,562
442	2970		" "	" "	6.3	-		-6.3		83.1		-2968	+100	276,203	2,600,573
443	3300		180° 28'	-24°	10.9	89° 50'	+9.6	-1.3		88.1		-3298	+111	275,873	2,600,584
444	3630		" "	" "	6.1	89° 50'	+10.6	+4.5		93.9		-3628	+122	275,543	2,600,595
445	3960		" "	" "	9.7	89° 44'	+18.4	+8.7		98.1		-3958	+134	275,213	2,600,607
446	4290		" "	" "	11.8	89° 44'	+19.9	+8.1		97.5		-4288	+145	274,883	2,600,618
447	4422		180° 17 19	" "	13.6	89° 44'	+20.6	+7.0		96.7	TP	-4419	+163	274,753	2,600,630
448	4422		" "	" "	13.0	270° 16'	+20.6	+7.6	+7.3		TP	"	"		
449	5805		1° 21 18	-24°	13.8	89° 50'	-16.9	-3.1	+93.6		BS	-5804	+106		
450	5805		" "	" "	12.7	270° 10'	-16.9	-4.2	+3.1		BS	"	"		
447	5610		1° 10'	" "	9.1	89° 54'	+9.8	+0.7		94.3		+5609	-121	274,559	2,600,610
448	5280		" "	" "	11.0	89° 54'	+9.2	-1.8		91.8		+5279	-114	274,229	2,600,617
449	4950		" "	" "	11.6	89° 54'	+8.7	-2.9		90.7		+4949	-107	273,899	2,600,624

y=274,760 x=2,600,640
T-ROAD west EL. 78.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12.6.83		B. P. Camp		D. W. Rinkle		6834		D.W. C.J.		2		31			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		NEWBERRY - 1/2'		FLA.		ALACHUA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									93.6						
450	4620		1° 10'	-2.4°	12.1	89° 54'	+8.1	-4.0		89.6		+4619	-99	273,569	2,600,632
451	4290		" "	" "	7.9	89° 58'	+2.5	-5.4		88.2		+4289	-92	273,239	2,600,639
452	3960		" "	" "	9.0	89° 58'	+2.3	-6.7		86.9		+3959	-85	272,909	2,600,646
453	3630		" "	" "	7.9	-		-7.9		85.7		+3629	-78	272,579	2,600,653
454	3300		1° 10'	-2.4°	9.0	-		-9.0		84.6		+3299	-71	272,249	2,600,660
455	2970		" "	" "	10.1	-		-10.1		83.5		+2969	-64	271,919	2,600,667
456	2640		" "	" "	11.2	-		-11.2		82.4		+2639	-57	271,589	2,600,674
457	2310		" "	" "	11.5	-		-11.5		82.1		+2309	-50	271,259	2,600,681
458	1980		" "	" "	11.7	-		-11.7		81.9		+1980	-43	270,930	2,600,688
459	1650		1° 10'	-2.4°	11.8	-		-11.8		81.8		+1650	-36	270,600	2,600,695
460	1320		" "	" "	11.7	-		-11.7		81.9		+1320	-28	270,270	2,600,703
461	990		" "	" "	11.9	-		-11.9		81.7		+990	-21	269,940	2,600,710
462	660		" "	" "	12.2	-		-12.2		81.4		+660	-14	269,610	2,600,717
463	488		2° 58' 38"	" "	11.4	-		-11.4		82.2	≠	+488	+5	269,438	2,600,736
															y=269,455 x=2,600,740 ≠ Highway Int. EL. 82.0
464	330		1° 10'	" "	10.1	-		-10.1		83.5		+330	-7	269,280	2,600,724
465	0				5.2	-		-5.2		88.4	π	0	0	268,950	2,600,731
465	330		181° 13'	-2.4°	0.5	TH	+1.7	-2.1		91.5		-330	+7	268,620	2,600,738
A	341		157° 39' 30"	" "	0.5	TH	+1.7	+1.2		94.8	Δ	-310	+143	268,640	2,600,874
															y=268,640 x=2,600,874 = S.C.+C.S. A EL. 94.6 C-37 1757 0058
466	660		181° 13'	" "	3.7	-		-3.7		89.9		-660	+14	268,290	2,600,745
467	990		" "	" "	9.0	-		-9.0		84.6		-990	+20	267,960	2,600,751

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-6-83		B. Cotcamp		D. Wrinkle		6834		RW CJ		2	32				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
FLORIDA		NEWBERRY - 7 1/2'	FLA.	ALACHUA					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
									93.6						
468	1320		181° 13'	-2.4°	11.0	-		-11.0		82.6		-1320	+27	267,630	2,600,758
469	1650		" "	" "	11.2	-		-11.2		82.4		-1650	+34	267,300	2,600,765
470	1780		" "	" "	12.1	-		-12.1		81.5		-1980	+41	266,970	2,600,772
471	2310		" "	" "	10.1	90° 04'	-2.7	-12.8		80.8		-2310	+48	266,640	2,600,779
472	2640		181° 13'	" "	10.8	90° 04'	-3.1	-13.9		79.7		-2639	+55	266,311	2,600,786
473	2970		" "	-2.4°	11.2	90° 04'	-3.4	-14.6		79.0		-2969	+61	265,981	2,600,792
474	3300		" "	" "	12.0	90° 04'	-3.8	-15.8		77.8		-3299	+68	265,651	2,600,799
475	3630		" "	" "	12.4	90° 04'	-4.2	-16.6		77.0		-3629	+75	265,321	2,600,806
476	3960		" "	" "	11.0	90° 06'	-6.9	-17.9		75.7		-3959	+82	264,991	2,600,813
477	4290		" "	" "	10.1	90° 06'	-7.5	-17.6		76.0		-4289	+89	264,661	2,600,820
478	4620		" "	" "	9.2	90° 06'	-8.1	-17.3		76.3		-4619	+95	264,331	2,600,826
TP	4820		181° 01' 49"	-2.4°	8.3	90° 06'	-8.4	-16.7		77.4	TP	-4819	+115	264,131	2,600,836
TP	4820				7.4	269° 54'	-8.4	-15.8	{16.2}		TP				
BS	4090		1° 05' 54"	-2.2°	6.5	90° 10'	+11.9	+18.4	{48.3}		BS	-4089	+79		
BS	4090				6.3	289° 50'	+11.9	+18.2	{95.7}		BS	-2	-2		
479	3960		0° 55'	" "	7.0	90° 10'	-11.5	-18.5		77.2		+3959	-89	263,999	2,600,834
480	3630		" "	" "	7.5	90° 10'	-10.6	-18.1		77.6		+3629	-81	263,669	2,600,842
481	3300		" "	" "	7.9	90° 10'	-9.6	-17.5		78.2		+3299	-74	263,339	2,600,849
482	2920		" "	" "	8.1	90° 10'	-8.6	-16.7		79.0		+2969	-67	263,009	2,600,856

y-264,160 x-2,600,865
 TP 4 way int. EL. 78.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-7-83		D Winkle		B Cotcamp		0834		DW		2		33			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Florida		Newberry 7 1/2'		Florida		Alachua								L O Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									95.7						
483	2640		0°55'	-2.2°	9.2	90°10'	-7.7	-16.9		78.8		+2639	-59	262,679	1,600,864
484	2310		"	"	9.3	90°10'	-6.7	-16.0		79.7		+2309	-52	262,349	1,600,871
485	1980		0°55'	"	9.1	90°10'	-5.8	-14.9		80.8		+1980	-44	262,020	1,600,879
Bm	1897		359°37'54"	"	7.4	90°10'	-5.5	-12.9		82.8	Bm	+1895	-85	261,935	1,600,838
486	1650		0°55'	-2.2°	8.1	90°10'	-4.8	-12.9		82.8		+1650	-37	261,690	1,600,886
487	1320		"	"	7.8	90°10'	-3.8	-11.6		84.1		+1320	-30	261,360	1,600,893
488	990		"	"	7.9	90°10'	-2.9	-10.8		84.9		+990	-22	261,030	1,600,901
489	660		"	"	7.9	90°10'	-1.9	-9.8		85.9		+660	-15	260,700	1,600,908
490	330		0°55'	-2.2°	7.1	90°10'	-1.0	-8.1		87.6		+330	-7	260,370	1,600,916
491	0				6.0	-	-	-5.0		90.7	π	0	0	260,040	1,600,923
492	330		180°38'	"	5.3	89°50'	+1.0	-4.3		91.4		-330	+9	259,710	1,600,932
493	660		"	"	9.1	89°50'	+1.9	-7.2		88.5		-660	+18	259,380	1,600,941
494	990		180°38'	"	11.3	89°56'	+1.1	-10.2		85.5		-990	+27	259,050	1,600,950
495	1211		180°10'54"	"	11.6	89°58'	+0.7	-10.9		84.8	≠	-1210	+43	258,830	1,600,966
495	1320		180°38'	-2.2°	12.4	89°58'	+0.8	-11.6		84.1		-1320	+36	258,720	1,600,959
496	1650		"	"	12.1	-	-	-12.1		83.6		-1649	+45	258,391	1,600,968
497	1980		"	"	7.5	90°10'	-5.8	-13.3		82.4		-1979	+54	258,061	1,600,977
498	2310		"	"	7.2	90°10'	-6.7	-13.9		81.8		-2309	+63	257,731	1,600,986
499	2640		180°38'	"	7.0	90°10'	-7.7	-14.7		81.0		-2639	+72	257,401	1,600,995

4-261,938 x=2,600,822
U.S.C. +6.5 cm EL. 824
E-36 RST reset

4-258,790 x=2,600,950
≠ TRAP WEST EL. 84.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 12-7-83		INSTRUMENT MAN DWRinkle		ROD MAN B Cotcamp		PARTY NUMBER 6834		NOTES CHECKED BY DW		LINE NO. 2	PAGE 34				
AREA Florida		TOPO MAP Newberry 7 1/2'		STATE Florida		COUNTY Alachua		TWP		PARTY MANAGER A O DAVIS					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									95.7						
500	2970		180°38'	-2.2°	7.1	90°10'	-8.6	-15.7		80.0		-2969	+81	252,071	2,601,004
501	3300		" "	" "	8.1	90°10'	-9.6	-17.7		78.0		-3299	+90	256,741	2,601,013
502	3630		180°38'	" "	9.8	90°10'	-10.6	-20.4		75.3		-3629	+99	256,411	2,601,022
IF	3629		180°41'30"	" "	9.8	90°10'	-10.6	-20.4		75.3	IF	-3628	+96	256,412	2,601,019
503	3959		180°59'18"	" "	10.5	90°10'	-11.5	-22.0	-22.1	73.6	TP	-3958	+86	256,582	2,601,007
503	3959				10.8	269°50'	-11.5	-22.3			TP				
BS	2970		1°15'	-2.2°	+11.1	90°10'	+8.6	+19.7	93.3		BS	-2970	+49		
BS	2970				+11.0	269°50'	+8.6	+19.6			BS	+1	+7		
504	2640		1°15'	" "	11.9	90°10'	-7.7	-19.6		73.7		+2640	-44	255,753	2,601,019
505	2310		" "	" "	10.4	90°10'	-6.7	-17.1		76.2		+2310	-38	255,423	2,601,025
506	1980		" "	" "	8.8	90°10'	-5.8	-14.6		78.7		+1980	-37	255,093	2,601,030
507	1650		" "	" "	8.2	90°10'	-4.8	-13.0		80.3		+1650	-27	254,763	2,601,036
508	1320		" "	" "	9.0	90°10'	-3.8	-12.8		80.5		+1320	-22	254,433	2,601,041
509	990		" "	" "	9.4	90°10'	-2.9	-12.3		81.0		+990	-16	254,103	2,601,047
510	660		1°15'	-2.2°	9.1	90°10'	-1.9	-11.0		82.3		+660	-11	253,773	2,601,052
IF	419		3°21'06"	" "	7.1	90°10'	-1.2	-8.3		85.0	IF	+419	+8	253,532	2,601,021
511	330		1°15'	" "	6.9	90°10'	-1.0	-7.9		85.4		+330	-5	253,443	2,601,058
512	0				5.0	-	-	-5.0		88.3	X	0	0	253,113	2,601,063
513	330		181°09'	" "	5.1	-	-	-5.1		88.2		-330	+6	252,783	2,601,069

256,385 x -2,601,000
T-ROAD West EL. 76.0

↑ y - 253,550 x - 2,601,050
IF T-ROAD East EL. 85.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-7-83		D Weinkle		B Cotcamp		6834		DW		2	35				
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
Florida		Newberry 7 1/2'		Florida	Alachua					L.O. DAVIS					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									93.3						
514	660		181°09'	-2.2°	7.8	←		-7.8		85.5		-660	+12	252,453	2,601,075
515	990		" "	" "	7.1	90°10'	-2.9	-10.0		83.3		-990	+18	252,123	2,601,086
516	1320		" "	" "	8.7	90°10'	-3.8	-12.5		80.8		-1320	+24	251,793	2,601,089
517	1650		" "	" "	9.6	90°10'	-4.8	-14.4		78.9		-1650	+30	251,463	2,601,093
518	1980		" "	-2.2°	8.2	90°10'	-5.8	-14.0		79.3		-1980	+36	251,133	2,601,099
519	2310		181°09'	" "	5.8	90°10'	-6.7	-12.5		80.8		-2310	+42	250,803	2,601,105
IF	2329		180°50'06"	" "	5.1	90°10'	-6.8	-11.9		81.4	IF	-2328	+55	250,785	2,601,108
520	2640		181°09'	" "	8.9	90°04'	-3.1	-12.0		81.3		-2640	+48	250,473	2,601,111
521	2969		181°12'54"	" "	10.0	90°04'	-3.5	13.5	-13.4	79.9	TP	-2969	+51	250,144	2,601,112
521	2969				9.8	268°56'	-3.5	-13.3			TP		-2		
	2971		0°50'42"	-2.2°	+10.4	89°46'	-12.1	-1.7	-1.5		BS	-2970	+70		
	2971				+10.8	270°14'	-12.1	-1.3		78.4	BS		-2		
522	2640		0°50'	" "	9.2	89°46'	+10.7	+1.5		79.9		+2639	-63	249,813	2,601,117
523	2310		" "	" "	9.0	89°46'	+9.4	+0.4		78.8		+2309	-55	249,483	2,601,125
524	1980		" "	" "	8.2	89°46'	+8.1	-0.1		78.3		+1979	-47	249,153	2,601,133
525	1650		" "	" "	6.9	89°46'	+6.7	-0.2		78.2		+1650	-39	248,824	2,601,141
526	1320		" "	" "	10.9	89°30'	+11.5	+0.6		79.0		+1320	-31	248,494	2,601,149
527	990		" "	" "	12.5	89°10'	+14.4	+1.9		80.3		+990	-24	248,164	2,601,156
528	660		0°50'	-2.2°	8.3	89°10'	+9.6	+1.3		79.7		+660	-16	247,834	2,601,164

W-250,800 X-2,601,100
T-ROAD WEST EL. 82.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 12-7-83		INSTRUMENT MAN DWRinkle		ROD MAN B Cotcamp		PARTY NUMBER 6834		NOTES CHECKED BY DW		LINE NO. 2		PAGE 36			
AREA Florida		TOPO MAP Newberry 7 1/2'		STATE Florida		COUNTY Alachua		TWP		RANGE		PPM		PARTY MANAGER L O Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									78.4						
529	33°		0°50'	-2.2°	6.3	89°02'	+5.6	-0.7		77.7		+330	-8	247,504	2,601,172
530	0				5.0	-		-5.0		73.4	π	0	0	247,174	2,601,180
531	330		180°54'	-2.2°	5.4	90°30'	-2.9	-8.3		70.1		-330	+7	246,844	2,601,187
532	660		" "	" "	6.9	90°04'	-0.8	-7.7		70.7		-660	+15	246,514	2,601,195
533	990		" "	" "	7.9	89°50'	+2.9	-5.0		73.4		-990	+22	246,184	2,601,202
534	1320		" "	" "	6.0	89°55'	+3.8	-2.2		76.2		-1320	+30	245,854	2,601,210
535	1650		" "	" "	9.2	89°40'	+9.6	+0.4		78.8		-1650	+37	245,524	2,601,217
536	1980		" "	" "	8.7	89°40'	+11.5	+2.8		81.2		-1979	+45	245,195	2,601,225
537	2310		" "	" "	9.9	89°40'	+13.4	+3.6		82.0		-2309	+52	244,865	2,601,232
538	2640		" "	" "	9.7	89°44'	+12.3	+2.6		81.0		-2639	+60	244,535	2,601,240
539	2970		" "	" "	12.0	89°44'	+13.8	+1.8		80.2		-2969	+67	244,205	2,601,247
1 _L	2996		181°00'36"	-2.2°	12.6	89°44'	+13.9	+1.3		79.7	TP	-2996	+62	244,178	2,601,240
1 _L	2996		" "	" "	12.6	270°16'	+13.9	+1.3			TP		-2		
	2603		359°42'00"	" "	3.3	-		+3.3	83.0		BS	-2601	+114		
	2603		" "	" "	3.4	270°-		+3.4			BS		-2		
540	2307		359°17'	-2.2°	11.0	89°50'	+6.7	-4.3		78.7		+2304	-117	243,881	2,601,235
541	1977		359°12'	" "	11.0	89°50'	+5.8	-5.2		77.8		+1974	-103	243,551	2,601,249
542	1647		359°01'	" "	5.8	-		-5.8		77.2		+1644	-91	243,221	2,601,261
543	1316		358°45'	" "	5.0	-		-5.0		78.0		+1314	-79	242,891	2,601,273
544	988		358°22'	" "	8.4	TH	+4.9	-3.5		79.5		+986	-66	242,563	2,601,286

Y=244,210 X=2,601,225
F T-ROAD WEST EL. 80.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	12.8.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW C.Y.	LINE NO.	2	PAGE	37	
AREA	FLORIDA	TOPO MAP	NEWBERRY - 7 1/2'	STATE	FLA.	COUNTY	ALACHUA	TWP		RANGE		PPM	PARTY MANAGER	L. O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									83.0					
545	659		357° 34'	-2.2°	7.3	TH	+3.3	-4.0		-79.0		+657	-53	242,234 2,601,299
546	329		355° 00'	"	6.9	TH	+1.6	-5.3		77.7		+326	-41	241,903 2,601,311
547	28		268° 06'	"	6.1	-		-6.1		76.9		-2	-28	241,575 2,601,324
X	0				5.2	-		-5.2		77.8	X	0	0	241,577 2,601,352
548	333		184° 52'	-2.2°	5.7	-		-5.7		77.3		-333	-15	241,244 2,601,337
549	662		182° 36'	"	5.0	89° 40'	+3.9	-1.1		81.9		-662	-5	240,915 2,601,347
550	992		182° 09'	"	6.8	89° 40'	+5.8	-1.0		82.0		-992	+1	240,585 2,601,353
551	1320		181° 46'	"	9.2	89° 50'	+3.8	-5.4		77.6		-1320	+10	240,257 2,601,362
552	1652		181° 42'	"	12.0	89° 50'	+4.8	-7.2		75.8		-1652	+14	239,925 2,601,366
553	1980		181° 02'	"	11.1	89° 54'	+3.5	-7.6		75.4		-1980	+40	239,597 2,601,392
554	2310		180° 55'	"	11.5	89° 54'	+4.0	-7.5		75.5		-2309	+52	239,268 2,601,404
555	2639		181° 00' 09"	"	10.6	89° 56'	+7.7	-2.9		80.1	TP	-2638	+55	238,939 2,601,406
555	2639				10.7	270° 10'	+7.7	-3.0			TP			
	2369		0° 53' 34"	-2.2°	9.0	-		+9.0			BS	-2308	+53	
	2309				+9.1	270° -		+9.1	89.2		BS			
556	1980		0° 54'	"	7.4	-		-7.4		81.8		+1979	-45	238,610 2,601,413
557	1650		"	"	7.0	-		-7.0		82.2		+1650	-37	238,281 2,601,421
558	1320		"	"	6.4	-		-6.4		82.8		+1320	-30	237,951 2,601,428
559	990		"	"	5.3	-		-5.3		83.9		+990	-22	237,621 2,601,436
560	660		"	"	5.0	TH	+3.3	-1.7		87.5		+660	-15	237,291 2,601,443

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12.8.83		B. Cotcamp		D. Weinkle		6834		DW CJ.		2		38				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
FLORIDA		NEWBERRY - 7 1/2		FLA.		ALACHUA								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									89.2							
1k	655		1° 56' 50"	-2.2°	1.4	-		-1.4		87.8	1k	+655	-3	237,286	2,601,455	Y=237,330 X=2,601,455
561	330		0° 54'	--	6.3	89° 20'	+3.8	-2.5		86.7		+330	-7	236,961	2,601,451	FT. ROAD EAST EL. 87.0
562	0				5.2	-		-5.2		84.0	1k	0	0	236,631	2,601,458	
563	330		175° 15'	-2.2°	5.7	90° 20'	-1.9	-7.6		81.6		-328	+40	236,303	2,601,498	
564	659		172° 07'	--	6.7	90° 20'	-3.8	-10.5		78.7		-649	+115	235,982	2,601,513	
565	987		169° 30'	--	4.6	90° 20'	-5.7	-10.3		78.9		-963	+217	235,668	2,601,675	
566	1315		167° 52'	--	8.0	-		-8.0		81.2		-1274	+326	235,357	2,601,784	
567	1644		166° 55'	--	6.8	-		-6.8		82.4		-1586	+433	235,045	2,601,891	
568	1971		165° 38' 22"	--	6.5	90° -		-6.5		82.7	TP	-1889	+562	234,742	2,602,019	
568	1971				6.6	270° -		-6.6			TP		-			
	2639		333° 29' 32"	-2.2°	16.8	-		+10.8	93.5		BS	-2315	+1268			
	2639				16.9	270° -		+10.9			BS		-			
A	2878		333° 11' 21"	--	9.9	-		-9.9		83.6	A	+2517	-1396	234,944	2,601,890	Y=234,944 X=2,601,890
569	2310		333° 14'	--	8.4	-		-8.4		85.1		+2021	-1119	234,448	2,602,167	S.L.T.G.S. A EL. NEWBERRY 19 HORIZ. -2, CORR. X -18
570	1980		" "	--	5.3	-		-5.3		88.2		+1732	-959	234,159	2,602,327	
571	1650		" "	--	6.1	-		-6.1		87.4		+1444	-799	233,871	2,602,487	
572	1320		" "	--	7.5	-		-7.5		86.0		+1155	-639	233,582	2,602,647	
573	990		" "	--	8.9	-		-8.9		84.6		+866	-479	233,293	2,602,807	
574	660		" "	--	9.0	-		-9.0		84.5		+577	-320	233,004	2,602,966	
575	336		" "	--	7.0	-		-7.0		86.5		+289	-160	232,716	2,603,126	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	12-8-83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Winkip	PARTY NUMBER	6834	NOTES CHECKED BY	DW C.D.	LINE NO.	2	PAGE	39
AREA	FLORIDA	TOPO MAP	NEWBERRY-ARCHER-7 1/2	STATE	FLA.	COUNTY	ALACHUA	TWP		RANGE		PPM	
												PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									93.5					
576	0				5.2	-		-5.2		88.3	T	0	0	232,427 2,603,286 NEWBERRY -7 1/2 ↑
577	330		152° 36'	-22°	6.1	-		-6.1		87.4		-287	+163	232,140 2,603,449 ARCHER -7 1/2 ↓
#	390		148° 09' 53"	"	6.3	-		-6.3		87.2	#	-323	+218	232,100 2,603,525 4 way inter. EL 870
578	666		152° 36'	"	7.8	-		-7.8		85.7		-574	+326	231,853 2,603,612
579	990		" "	"	7.0	-		-7.0		86.5		-861	+489	231,566 2,603,775
580	1320		" "	"	6.3	-		-6.3		87.2		-1148	+652	231,279 2,603,998
581	1656		152° 36'	-22°	5.0	-		-5.0		88.5		-1435	+815	230,992 2,604,101
582	1980		" "	"	5.8	-		-5.8		87.7		-1722	+978	230,705 2,604,264
583	2310		" "	"	6.9	-		-6.9		86.6		-2009	+1141	230,418 2,604,427
584	2640		" "	"	5.2	-		-5.2		88.3		-2295	+1304	230,132 2,604,590
585	2968		152° 07' 35"	"	2.8	-		-2.8		90.7	TP	-2568	+1487	229,859 2,604,773
585	2968				2.9	270°		-2.9			TP			
	2306		315° 17' 26"	-22°	8.7	89° 40'	-13.4	-4.7	86.0		BS	-1575	+1684	
	2306				8.8	270° 20'	-13.4	-4.6			BS			
Bm	2162		313° 45' 46"	"	6.3	89° 40'	+12.6	+6.3		92.3	Bm	+1434	-1618	229,718 2,604,839 y=229,690 x=2,604,890 u.s.c. + c 5 Bm EL 92.5
586	1978		314° 01'	"	11.3	89° 30'	+17.3	+6.0		92.0		+1319	-1474	229,603 2,604,983 A-15
587	1650		313° 34'	"	10.2	89° 30'	+14.4	+4.2		90.2		+1090	-1238	229,374 2,605,219
588	1320		" "	"	9.6	89° 30'	+11.5	+1.9		87.9		+872	-991	229,156 2,605,466
589	990		" "	"	8.1	89° 30'	+8.6	+0.5		86.5		+654	-743	228,938 2,605,714
590	660		" "	"	6.6	89° 30'	+5.8	-0.8		85.2		+436	-493	228,720 2,605,962

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12.8.83		B. GtCamp		D. Wrinkle		6834		C.S.		2		40			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		ARCHER - 7 1/2'		FLA.		ALACHUA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									86.0						
591	330		313° 34'	-2.2°	6.0	89° 36'	+2.9	-3.1		82.9		+218	-248	228,502	2,606,209
592	0				5.2	-		-5.2		80.8	π	0	0	228,284	2,606,457
593	330		133° 34'	"	4.9	89° 50'	+1.0	-3.9		82.1		-218	+248	228,066	2,606,705
594	660		" "	"	6.0	89° 50'	+1.9	-4.1		81.9		-436	+495	227,848	2,606,952
595	990		" "	"	10.0	89° 50'	+2.9	-7.1		78.9		-654	+743	227,630	2,607,200
596	1320		" "	"	10.0	89° 50'	+3.8	-6.2		79.8		-872	+991	227,412	2,607,448
597	1650		" "	"	10.2	89° 50'	+4.8	-5.4		80.6		-1090	+1238	227,190	2,607,695
#	1969		133° 07' 35"	"	11.1	89° 50'	+5.7	-5.4		80.5	#	-1290	+1488	226,994	2,607,945
#	1969				11.3	270° 10'	+5.7	-5.6	-5.5		#				
	3968		313° 44' 26"	-2.2°	14.0	TH	-19.8	-5.8	74.8		BS	-2631	+2970		
	3968				14.3	270° TH	-19.8	-5.5	-5.7		BS	-4	+4		
598	3960		313° 30'	-2.2°	6.0	89° 50'	+11.5	+5.5		80.3		+2614	-2975	226,973	2,607,944
599	3630		" "	"	6.1	89° 50'	+10.6	+4.5		79.3		+2396	-2727	226,755	2,608,192
600	3300		" "	"	6.9	89° 50'	+9.6	+2.7		77.5		+2178	-2479	226,537	2,608,440
601	2970		" "	"	8.7	89° 50'	+8.6	-0.1		74.7		+1960	-2231	226,319	2,608,688
602	2640		313° 30'	-2.2°	7.0	89° 50'	+7.7	+0.7		75.5		+1742	-1983	226,101	2,608,936
603	2310		" "	"	6.9	89° 50'	+6.7	-0.2		74.6		+1523	-1735	225,884	2,609,184
604	1980		" "	"	11.5	89° 50'	+5.8	-5.7		69.1		+1307	-1488	225,666	2,609,431
605	1650		" "	"	8.6	-		-8.6		66.2		+1089	-1240	225,448	2,609,679
606	1320		" "	"	10.0	-		-10.0		64.8		+871	-992	225,230	2,609,927

226,980 x 2,607,960
4 WAY INT. EL. 80.0
+14'
-25'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
12.9.83		B. Cotcamp		D. Wrinkle		6834		DW C.Y.		2	41						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
FLORIDA		ARCHER-7 1/2	FLA.	ARACHUA					L.O. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									74.8								
607	990		313° 30'	-2.2°	9.3	-		-9.3		65.5		+653	-744	225,012	2,610,175		
608	660		" "	" "	8.0	-		-8.0		66.8		+436	-496	224,795	2,610,429		
41	465		315° 20' 20"	" "	6.6	-		-6.6		68.2	41	+318	-339	224,677	2,610,580	4-224,645 x 2,610,600 T-ROAD WEST	
609	330		313° 30'	" "	6.5	-		-6.5		68.3		+218	-248	224,577	2,610,621		
610	0				5.2	-		-5.2		69.6	π	0	0	224,359	2,610,919		
611	330		133° 38'	-2.2°	5.5	TM	+1.7	-3.8		71.0		-218	+247	224,141	2,611,166		
612	660		" "	" "	5.2	-		-5.2		69.6		-437	+495	223,922	2,611,414		
613	990		" "	" "	6.6	-		-6.6		68.2		-655	+742	223,704	2,611,661		
614	1320		" "	" "	7.8	-		-7.8		67.0		-874	+990	223,485	2,611,909		
615	1650		133° 38'	-2.2	10.1	-		-10.1		64.7		-1092	+1237	223,267	2,612,156		
616	1980		" "	" "	12.5	-		-12.5		62.3		-1310	+1484	223,049	2,612,403		
617	2310		" "	" "	10.8	90° 04'	-2.7	-13.5		61.3		-1529	+1732	222,830	2,612,651		
618	2640		" "	" "	11.1	90° 04'	-3.1	-14.2		60.6		-1747	+1979	222,612	2,612,898		
619	2976		" "	" "	11.2	90° 04'	-3.4	-14.6		60.2		-1965	+2227	222,394	2,613,146		
14	3229		133° 16' 17"	" "	10.8	90° 04'	-3.7	-14.5		60.3	14	-2121	+2434	222,238	2,613,353	5-222,210 x 2,613,385 T-ROAD EAST	
620	3300		133° 29' 55"	" "	11.2	90° 04'	-3.8	-15.0			TP	-2178	+2479	222,177	2,613,402		
620	3300				11.3	269° 56'	-3.8	-15.1		59.7	TP	-4	-4				
	2969		313° 36' 28"	-2.2	5.2	-		+5.2	64.9		BS	-1964	+2227				
	2969			" "	5.3	270° -		+5.3			BS	-4	-4				
621	2640		313° 30'	" "	8.7	89° 56'	+3.1	-5.6		59.3		+1742	-1983	221,951	2,613,650		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	12.9.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Winkle	PARTY NUMBER	6834	NOTES CHECKED BY	RW	LINE NO.	2	PAGE	42	
AREA	FLORIDA	TOPO MAP	ARCHER-7 1/2'	STATE	FLORIDA	COUNTY	ALACHUA	TWP		RANGE		PPM		
													PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									64.9							
1#	2614		313° 53' 57"	-2.2°	8.1	89° 56'	+3.0	-5.1		59.8	1#	+1739	-1952	221,948	2,613,681	y-221920 x-2,613,705 ROAD EAST +28'
622	2310		313° 30'	"	7.9	89° 56'	+2.7	-5.2		59.7		+1525	-1735	221,734	2,613,898	-24
623	1980		" "	"	7.1	89° 56'	+2.3	-4.8		60.1		+1307	-1488	221,516	2,614,145	
624	1650		" "	"	6.7	89° 56'	+1.9	-4.8		60.1		+1089	-1240	221,298	2,614,393	
625	1320		" "	-2.2°	8.6	89° 50'	+3.8	-4.8		60.1		+871	-992	221,080	2,614,641	
626	990		" "	"	7.7	89° 50'	+2.9	-4.8		60.1		+653	-744	220,862	2,614,889	
627	660		" "	"	6.7	89° 50'	+1.9	-4.8		60.1		+436	-496	220,645	2,615,137	
628	330		" "	"	5.8	89° 50'	+1.0	-4.8		60.1		+218	-248	220,427	2,615,385	
629	0				5.2	"		-5.2		59.7	π	0	0	220,209	2,615,633	
630	330		133° 36'	-2.2°	5.5	89° 50'	+1.0	-4.5		60.4		-218	+248	219,991	2,615,881	
631	660		" "	"	6.7	89° 50'	+1.9	-4.8		60.1		-436	+495	219,773	2,616,128	
632	990		" "	"	7.0	89° 50'	+2.9	-4.1		60.8		-655	+743	219,554	2,616,376	
633	1320		133° 36'	-2.2°	5.9	89° 50'	+3.8	-2.1		62.8		-873	+990	219,336	2,616,623	
634	1650		" "	"	3.9	89° 50'	+4.8	+0.9		65.8		-1091	+1238	219,118	2,616,871	
635	1980		" "	"	6.4	89° 40'	+1.5	+5.1		70.6		-1309	+1485	218,900	2,617,118	
636	2310		" "	"	7.1	89° 40'	+3.4	+6.3		71.2		-1528	+1733	218,681	2,617,366	
637	2640		" "	"	8.5	89° 40'	+15.4	+6.9		71.8		-1746	+1980	218,463	2,617,613	
1#	2700		133° 16' 04"	"	8.2	89° 40'	+15.7	+7.5		72.4	1#	-1774	+2036	218,435	2,617,668	110°-218,405 x-2,617,685 4 way int. +30'
638	2970		133° 36'	"	8.7	89° 40'	+17.3	+8.6		73.5		-1964	+2228	218,245	2,617,861	-26

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12.9.83		B. Cotcamp		D. Wriakle		6834		DW C.J.		2		43				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
FLORIDA		ARCNER - 7 1/2'		FLA.		ALACHUA								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									64.9							
639	3302		133° 27' 49"	-2.0°	7.8	89° 40'	+19.2	+11.4		75.9	TP	-2186	+2474	218,019	2,618,112	ACROSS ROAD FROM
639	3302				8.5	270° 20'	+19.2	+10.7	+11.0		TP	-4	+5			639
	1649		326° 14' 23"	~ ~ ~	8.1	TH -	-8.2	-0.1		75.6	BS	-1338	+964			
	1649				7.8	TH 270°	-8.2	-0.4	-0.3		BS	-4	+5			
640	1320		325° 32'	-2.0°	8.6	89° 40'	+7.7	-0.9		74.7		+1062	-785	217,739	2,618,296	
641	990		~ ~	~ ~	6.8	89° 40'	+5.8	-1.0		74.6		+796	-588	217,473	2,618,493	
642	660		~ ~	~ ~	5.9	89° 40'	+3.8	-2.1		73.5		+531	-392	217,208	2,618,689	
643	330		~ ~	~ ~	5.3	89° 40'	+1.9	-3.4		72.2		+265	-196	216,942	2,618,885	
644	0				5.2	-		-5.2		70.4	T	0	0	216,677	2,619,081	
645	330		145° 39'	-2.0°	5.2	89° 40'	+1.9	-3.3		72.3		-266	+196	216,411	2,619,277	
646	660		~ ~	~ ~	6.6	89° 40'	+3.8	-2.8		72.8		-532	+391	216,145	2,619,472	
647	990		~ ~	~ ~	8.0	89° 40'	+5.8	-2.2		73.4		-797	+587	215,880	2,619,668	
648	660-1320		~ ~	~ ~	10.2	89° 40'	+7.7	-2.5		73.1		-1063	+782	215,614	2,619,863	
649	1650		~ ~	~ ~	8.5	89° 50'	+4.8	-3.7		71.9		-1329	+978	215,348	2,620,059	
650	1980		~ ~	~ ~	10.0	89° 50'	+5.8	-4.2		71.4		-1595	+1174	215,082	2,620,255	
1	2187		145° 14' 33"	-2.0°	9.5	89° 50'	+6.4	-3.1		72.6	TP	-1752	+1309	214,920	2,620,395	y=214,920 x=2,620,395 y=2000 North EL=72.0 Hole 2 y=-25' corr. x=+27'
1	2187				9.3	270°	+6.4	-2.9	-3.0		TP	-5	+5			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12.13.83		B. Cotcamp		D. Wrinkle		6834		DW		C.J.		44			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		ARCHER - 7 1/2		FLA.		ALACHUA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										72.6					
	2103		326° 02' 48"	-2.2°	9.6	BH	+10.5	+20.1	92.7		BS	-1698	+1241		
	2103				+9.7	BH 270	+10.5	+20.2		BS					
651	1980		325° 38'	-2.2°	10.0	BH	-9.9	-19.9		72.8		+1590	-1180	214,811	2,620,456
652	1650		" "	" "	10.1	BH	-8.3	-18.4		74.3		+1325	-983	214,546	2,620,653
653	1320		" "	" "	10.2	BH	-6.6	-16.8		75.9		+1060	-786	214,281	2,620,850
654	990		325° 38'	-2.2°	8.9	BH	-5.0	-13.9		78.8		+795	-590	214,016	2,621,046
655	660		" "	" "	8.1	-		-8.1		84.6		+530	-393	213,751	2,621,243
656	330		" "	" "	6.2	TH	+1.7	-4.5		88.2		+265	-197	213,486	2,621,439
657	0				5.2	-		-5.2		87.5	TP	0	0	213,221	2,621,636
658	330		145° 38'	-2.2°	7.4	-		-7.4		85.3		-265	+197	213,956	2,621,833
659	660		" "	" "	8.3	BH	-3.3	-11.6		81.1		-530	+393	212,691	2,622,029
660	990		" "	" "	8.2	BH	-5.0	-13.2		79.5		-795	+590	212,426	2,622,226
661	1320		145° 38'	" "	10.9	-		-10.9		81.8		-1060	+786	212,161	2,622,422
662	1650		" "	" "	8.9	-		-8.9		83.8		-1325	+983	211,896	2,622,619
663	1980		" "	" "	6.8	-		-6.8		85.9		-1590	+1180	211,631	2,622,816
664	2310		" "	" "	7.9	-		-7.9		84.8		-1855	+1376	211,366	2,623,012
≠	2385		145° 14' 05"	-2.2°	7.6	-		-7.6			TP	-1906	+1434	211,313	2,623,010
≠	2385				7.7	-		-7.7		85.0	TP	-2			
	2231		326° 01' 07"	" "	+10.3	-		+10.3			BS	-1801	+1317		
	2231				+10.2	270-		+10.2	95.2		BS	-2	-1		

211,305 X - 2,623,090
4 way int. EL. 85.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12.13.83		B. Cotcamp		D. Wrinkle		6834		D.J.		7		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		ARCHER-7 1/2'		FLA.		ALACHUA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									95.2						
665	1980		325° 38'	-2.2°	13.1	-		-13.1		82.1		+1590	-1180	211,000	2,623,206
666	1650		" "	" "	12.1	-		-12.1		83.1		+1325	-983	210,835	2,623,403
667	1320		" "	" "	9.9	-		-9.9		85.3		+1060	-786	210,570	2,623,600
668	990		" "	" "	6.4	-		-6.4		88.8		+795	-590	210,305	2,623,796
669	660		" "	" "	7.9	TH	+3.3	-4.6		90.6		+530	-393	210,040	2,623,993
670	330		" "	" "	4.9	TH	+1.7	-3.2		92.0		+265	-197	209,725	2,624,189
671	0				5.2	-		-5.2		90.0	TP	0	0	209,510	2,624,386
672	330		145° 34'	-2.2°	7.5	-		-7.5		87.7		-265	+97	209,245	2,624,583
673	660		" "	" "	10.8	-		-10.8		84.4		-530	+394	208,980	2,624,780
674	990		" "	" "	11.8	-		-11.8		83.4		-794	+591	208,716	2,624,977
675	1320		" "	" "	10.0	-		-10.0		85.2		-1059	+788	208,451	2,625,174
676	1650		" "	" "	10.8	-		-10.8		84.4		-1324	+985	208,186	2,625,371
677	1980		" "	" "	3.0	BH	-9.9	-12.9		82.3		-1589	+1181	207,921	2,625,567
678	2311		145° 30' 17"	" "	4.2	BH	-11.6	-15.8		79.4	TP	-1853	+1381	207,655	2,625,766
678	2311				4.1	BH _{20'}	-11.6	-15.2			TP	-2	-1		
	2308		325° 40' 36"	-2.2°	10.7	TH	-11.5	-0.8	78.6		BS	-1855	+1374		
	2308				+10.6	TH _{20'}	-11.5	-0.9			BS	-2	-1		
679	990		325° 36'	" "	11.9	TH	+9.9	-2.0		76.6		+1590	-1181	207,388	2,625,958
680	1650		" "	" "	5.0	-		-5.0		73.6		+1325	-984	207,123	2,626,155
681	1320		" "	" "	11.2	TH	+6.6	-4.6		74.0		+1060	-787	207,858	2,626,352

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	12.13.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW	LINE NO.	2	PAGE	46
AREA	FLORIDA	TOPO MAP	ARCHER - 7 1/2	STATE	FLA.	COUNTY	A	TWP		RANGE		PPM	
											PARTY MANAGER	L.O. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									78.6					
682	990		325° 36'	-2.2°	6.2	TH	+5.0	-1.2		77.4		+795	-590	206,593 2,626,549
683	660		" "	" "	8.7	89° 20'	+7.7	-1.0		77.6		+530	-394	206,328 2,626,745
684	330		" "	" "	6.9	89° 20'	+3.8	-3.1		75.5		+265	-197	206,063 2,626,742
685	0				5.2	-		-5.2		73.4	TP	0	0	205,798 2,627,139
686	330		145° 41'	-2.2°	5.0	-		-5.0		73.6		-265	+196	205,533 2,627,335
687	660		" "	" "	5.0	-		-5.0		73.6		-530	+393	205,268 2,627,532
688	990		" "	" "	5.1	-		-5.1		73.5		-796	+589	205,002 2,627,728
689	1320		" "	" "	7.1	-		-7.1		71.5		-1061	+785	204,737 2,627,924
690	1650		" "	" "	10.9	-		-10.9		67.7		-1326	+982	204,472 2,628,121
691	1980		" "	" "	12.3	-		-12.3		66.3		-1591	+1178	204,207 2,628,317
692	2310		145° 47'	" "	7.6	-		-7.6		71.0		-1859	+1371	203,939 2,628,510
4/4	2423		145° 40' 19"	" "	5.5	-		-5.5		73.1	TP	-1947	+1442	203,848 2,628,580
4/4	2423				5.5	270° -		-5.5			TP	"	"	4 way int.
	1867		334° 58' 26"	-2.0°	8.7	90° 30'	+16.3	+25.0			BS	-1663	+848	
	1867				8.7	269° 30'	+16.3	+25.0	98.1		BS	"	"	
693	1650		335° 02'	-2.0°	10.0	90° 30'	-14.4	-24.4		73.7		+1471	-748	203,653 2,628,679
694	1320		" "	" "	10.5	90° 30'	-11.5	-22.0		76.1		+1176	-599	203,358 2,628,828
695	990		" "	" "	12.0	90° 30'	-8.6	-20.6		77.5		+882	-449	203,064 2,628,978
696	660		" "	" "	10.3	90° 30'	-5.8	-16.1		82.0		+588	-299	202,770 2,629,128
697	330		" "	" "	5.6	90° 30'	-2.9	-8.5		89.6		+294	-150	202,476 2,629,277

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	12.13.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW	LINE NO.	2	PAGE	47	
AREA	FLORIDA	TOPO MAP	ARCHER- 7 1/2'	STATE	FLA.	COUNTY	ALACHUA	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									98.1					
698	0				5.2	-		-5.2		92.9	π	0	0	202,182 2,629,421
699	330		155° 24'	-2.0°	5.8	89° 50'	+1.0	-4.8		93.3		-295	+148	201,887 2,629,575
700	660		" "	" "	7.9	89° 50'	+1.9	-6.0		92.1		-590	+296	201,592 2,629,723
701	990		155° 57'	" "	10.1	89° 50'	+2.9	-7.2		90.9		-889	+435	201,293 2,629,862
TP	1228		157° 17' 11"	" "	6.9	-		-6.9		91.2	TP	-1116	+513	201,063 2,629,940
TP	1228				3.3	90° 10'	-3.6	-6.9			TP	-3		
	2783		1° 58' 00"	-2.0°	+4.1	-		+4.1		95.3	BS	-2783	+2	
	2783				+4.0	270-		+4.0			BS	-3		
702	2683		1° 43'	-2.0°	5.6	-		-5.6		89.7		+2683	-13	200,960 2,629,929
48	2412		2° 2' 24"	" "	5.3	-		-5.3		90.0	48	+2412	+2	200,689 2,629,944 4-200,690 X-2,629,940 HIGHWAY INT. EL. 90.0
703	2353		1° 43'	" "	5.8	-		-5.8		89.5		+2353	-12	200,630 2,629,930
704	2023		" "	" "	6.0	-		-6.0		89.3		+2023	-10	200,300 2,629,932
705	1693		" "	" "	7.1	-		-7.1		88.2		+1693	-8	199,970 2,629,934
706	1363		" "	" "	7.9	-		-7.9		87.4		+1363	-7	199,640 2,629,935
707	1033		1° 43'	-2.0°	9.8	-		-9.8		85.5		+1033	-5	199,310 2,629,937
708	703		" "	" "	9.7	-		-9.7		85.6		+703	-3	198,980 2,629,939
709	373		" "	" "	8.7	-		-8.7		86.6		+373	-2	198,650 2,629,940
710	43		" "	" "	5.9	-		-5.9		89.4		+43	±0	198,320 2,629,942
π	0			" "	5.2	-		-5.2		90.1	π	0	0	198,277 2,629,942
711	283		Hot π 181° 40'	" "	4.8	TH	+1.4	-3.4		91.9		-283	+2	197,994 2,629,944

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	12-13-83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW	C.J.	LINE NO.	2	PAGE	48
AREA	FLORIDA	TOPO MAP	ARCHER-7 1/2'	STATE	FLA.	COUNTY	ALACHUA	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									95.3					
712	613		181° 40'	-2.0°	5.0	-		-5.0		90.3		-613	+4	197,664 2,629,946
713	943		" "	" "	10.0	-		-10.0		85.3		-943	+5	197,334 2,629,947
714	1223		" "	" "	10.3	BH	-6.4	-16.7		78.6		-1273	+7	197,004 2,629,949
715	1603		" "	" "	12.7	BH	-8.0	-20.7		74.6		-1603	+9	196,674 2,629,951
716	1933		" "	" "	10.8	BH	-9.7	-20.5		74.8		-1933	+11	196,344 2,629,953
717	2263		" "	" "	4.0	BH	-11.3	-15.3		80.0		-2263	+13	196,014 2,629,955
718	2593		181° 05 59"	" "	9.8	-		-9.8		85.5	TP	-2593	+41	195,681 2,629,983
718	2593				9.7	270-		-9.7			TP		-3	
	984		345° 00 35"	-2.0°	13.7	TH	-4.9	+8.8		94.3	BS	-941	+288	
	984				13.6	TH 270-	-4.9	+8.7			BS		-3	
719	677		331° 09'	" "	7.2	TH	+3.4	-3.8		90.5		+614	-285	195,351 2,629,986
720	352		330° 55'	" "	8.2	89° 10'	+5.1	-3.1		91.2		+301	-182	195,038 2,630,089
721	2226		324° 33'	" "	5.2	89° 10'	+0.4	-4.8		89.5		+21	-16	194,258 2,630,255
X	0				5.2	-		-5.2		89.1	X	0	0	194,737 2,630,211
722	305		137° 23'	-2.0°	10.2	89° 40'	+1.8	-8.4		85.9		-217	+214	194,520 2,630,485
723	634		134° 40'	" "	9.7	-		-9.7		84.6		-430	+466	194,307 2,630,737
724	964		133° 36'	" "	5.2	-		-5.2		89.1		-640	+721	194,097 2,630,992
725	1294		133° 09'	" "	9.8	TH	+6.5	-3.3		91.0		-851	+974	193,886 2,631,245
X	1389		132° 27 53"	" "	3.4	-		-3.4		91.0	TP	-901	+1057	193,833 2,631,328
	1389			" "	3.2	-		-3.2			TP		-3	

193,840 x 2,631,340
Hwy Int. EL. 91.0

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-14-83		B. Cotcamp		D. Wrinkle		6834		D.W. C.J.		2		49			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		ARCHER - 7 1/2'		FLA.		ALACHUA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										91.0					
	3863		311° 12' 18"	-2.0	+8.8	89° 50'	-11.2	-2.4	253		BS	-2442	+2993		
	3863				+8.5	270° 10'	-11.2	-2.7	88.5		BS	-3			
726	3627		311° 00'	"	1.9	-		-1.9		86.6		+2283	-2819	193,671	2,631,502
727	3298		310° 56'	"	9.4	-		-9.4		79.1		+2073	-2565	193,461	2,631,756
728	2969		310° 52'	"	8.9	90° 10'	-8.6	-17.5		71.0		+1863	-2312	193,251	2,632,009
729	2640		310° 47'	"	9.2	90° 18'	-13.8	-23.0		65.5		+1654	-2058	193,042	2,632,263
730	2310		310° 39'	-2.0	11.0	90° 16'	-10.7	-21.7		66.8		+1443	-1804	192,831	2,632,517
731	1980		310° 32'	"	10.0	90° 10'	-5.8	-15.8		72.7		+1233	-1549	192,621	2,632,772
732	1650		310° 19'	"	10.4	-		-10.4		78.1		+1023	-1295	192,411	2,633,026
733	1320		309° 51'	"	8.0	-		-8.0		80.5		+810	-1042	192,198	2,633,279
734	990		309° 33'	"	6.7	-		-6.7		81.8		+603	-785	191,991	2,633,536
735	660		308° 31'	"	8.1	TH	+3.3	-4.8		83.7		+393	-530	191,781	2,633,791
IF	396		307° 51' 24"	"	2.3	-		-2.3		86.2	IF	+232	-321	191,620	2,634,000
736	331		305° 11'	"	7.3	89° 10'	+4.8	-2.5		86.0		+181	-277	191,569	2,634,044
737	0				5.2	-		-5.2		83.3	1	0	0	191,388	2,634,321
738	333		138° 07'		10.0	-		-10.0		78.5		-240	+231	191,148	2,634,552
739	662		134° 42'		11.2	-		-11.2		77.3		-449	+487	190,939	2,634,808
740	992		133° 46'		9.7	BH	-5.0	-14.7		73.8		-661	+740	190,727	2,635,061
741	1322		133° 12'		8.4	BH	-6.6	-15.0		73.5		-871	+995	190,517	2,635,316
742	1652		132° 53'		6.0	BH	-8.3	-14.3		74.2		-1081	+1249	190,307	2,635,570

y = -191,620 x = 2,634,000
 FROM ELR. 56.0'
 Horiz y = -33
 CORR. x = 5
 ACROSS ROAD FROM FLAG

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
12-14-83		B. Cotcamp		D. Wrinkle		6834		DW C.J.		2	50					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
FLORIDA		ARCHER-7 1/2'		FLA.		ALACHUA					L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									88.5							
#1	1672		132° 27' 11"	-2.0	13.9	-		-13.9		74.6	#1	-1085	+1272	190,303	2,635,593	y = 190,300 x = 2,635,600 T-Intersect
743	1980		133° 09'	"	6.0	BH	-9.9	-15.9		72.6		-1303	+1491	190,085	2,635,812	
744	2310		134° 20'	"	7.7	BH	-11.6	-19.3		69.2		-1556	+1708	189,832	2,636,029	
TP	2463		134° 10' 15"	"	9.0	BH	-12.3	-21.3	-21.3	67.4	TP	-1654	+1825	189,734	2,636,146	
TP	2463				8.6	BH 270	-12.3	-20.9			TP					
	2821		340° 16' 13"	-2.0	12.6	BH	+14.1	+26.7	+26.4		BS	-2621	+1044			
	2821				12.1	BH 270	+14.1	+26.2		93.8	BS					
745	2638		340° 16'	"	11.7	90° 20'	-15.4	-22.1		66.7		+2450	-977	189,563	2,636,213	ARCHER - 7 1/2' ↑
746	2310		340° 53'	"	9.0	90° 26'	-17.5	-26.5		67.3		+2155	-832	189,268	2,636,358	ARREDONO - 7 1/2' ↓
747	1980		340° 53'	"	9.8	90° 26'	-15.0	-24.8		69.0		+1847	-713	188,960	2,636,477	
748	1650		" "	"	10.8	90° 20'	-9.6	-20.4		73.4		+1539	-594	188,652	2,636,596	
749	1320		" "	"	7.7	90° 20'	-7.7	-15.4		78.4		+1231	-476	188,344	2,636,714	
750	990		340° 53'	-2.0	4.7	90° 20'	-5.8	-10.5		83.3		+924	-357	188,037	2,636,833	
751	660		" "	"	7.5	-		-7.5		86.3		+616	-238	187,729	2,636,952	↑
752	330		" "	"	7.0	TH	+1.7	-5.3		88.5		+308	-119	187,421	2,637,071	ARREDONO - 7 1/2'
753	0		" "	"	5.2	-		-5.2		88.6	X	0	0	187,113	2,637,190	WILLISTON - 7 1/2' ↓
754	330		161° 11'	-2.0	6.2	-		-6.2		87.6		-308	+117	186,805	2,637,307	
755	660		" "	"	8.9	-		-8.9		84.9		-617	+235	186,496	2,637,425	
756	990		" "	"	11.8	-		-11.8		82.0		-925	+352	186,188	2,637,542	
757	1320		" "	"	9.1	BH	-6.6	-15.7		78.1		-1234	+469	185,879	2,637,659	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-14-83		D. Cotcamp		D. Wrinkle		6834		DW CJ		2		51			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Williston - 7 1/2'		FLA.		ALACHUA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									93.8						
758	1650		161° 11'	-2.0	11.8	BH	-8.3	-20.1		73.7		-1542	+586	185,571	2,637,776
759	1980		" "	" "	10.5	BH	-9.9	-20.4		73.4		-1851	+704	185,262	2,637,894
760	2310		" "	" "	8.9	BH	-11.6	-20.5		73.3		-2159	+821	184,954	2,638,011
761	2641		161° 05' 40"	" "	10.9	BH	-13.2	-24.1	-23.8	70.0	TP	-2467	+942	184,646	2,638,132
761	2641				10.4	BH 270-	-13.2	-23.6			TP				
	2637		339° 53' 11"	-2.0	2.0	-		+2.0			BS	-2443	+993		
	2637				+1.4	270-		+1.4	+1.7	71.7	BS				
762	2307		339° 45'	" "	6.8	-		-6.8		64.9		+2135	-874	184,338	2,638,251
763	1977		339° 32'	" "	10.7	-		-10.7		61.0		+1827	-756	184,030	2,638,369
764	1648		339° 13'	" "	10.7	-		-10.7		61.0		+1519	-638	183,722	2,638,487
765	1318		338° 39'	" "	10.6	-		-10.6		61.1		+1210	-522	183,413	2,638,603
766	989		337° 43'	" "	10.2	-		-10.2		61.5		+902	-407	183,105	2,638,718
767	660		336° 31'	" "	8.7	TH	+3.3	-5.4		66.3		+596	-284	182,799	2,638,841
768	330		335° 49'	" "	5.7	TH	+1.7	-4.0		67.7		+296	-146	182,499	2,638,979
769	0				5.2	-		-5.2		66.5	TP	0	0	182,203	2,639,125 ALACHUA CO. ↑
17	110		146° 21' 35"	-2.0	4.7	-		-4.7		67.0		-89	+64	182,114	2,639,189 LEWIS CO. ↓
770	330		155° 02'	" "	4.9	-		-4.9		66.8		-294	+150	181,909	2,639,215 T-ROAD west 4-182,100 X-2,639,193
771	660		" "	" "	4.7	-		-4.7		67.0		-588	+299	181,615	2,639,424
772	990		" "	" "	9.1	TH	+5.0	-4.1		67.6		-882	+449	181,321	2,639,574
773	1320		" "	" "	10.5	TH	+6.6	-3.9		67.8		-1176	+599	181,027	2,639,724

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12.13.83		B. Cotcamp		D. Wrinkle		6834		C.T. B.C.		2		52			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLA.		William - 7 1/2		FLORIDA		LEWY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									71.7						
774	1650		155° 02'	-2.0°	12.7	TH	+8.3	-4.4		67.3		-1471	+748	180,732	2,639,873
775	1980		" "	"	5.8	-		-5.8		65.9		-1765	+898	180,438	2,640,023
776	2310		" "	"	6.0	-		-6.0		65.7		-2059	+1048	180,141	2,640,173
777	2641		154° 54' 24"	"	4.5	-		-4.5		67.5	TP	-2351	+1203	179,854	2,640,330
777	2641		" "	"	4.0	270°		-4.0	4.23		TP				
	3955		334° 58' 42"	"	7.5	-		+7.5	74.8		BS	-3523	+1797		
	3955		" "	-2.0°	7.1	-		+7.1	7.33		BS				
778	3630		334° 56'	"	6.6	-		-6.6		68.2		+3232	-1652	179,565	2,640,477
779	3300		" "	"	4.9	-		-4.9		69.9		+2939	-1502	179,272	2,640,627
780	2970		" "	"	4.9	-		-4.9		69.9		+2645	-1351	178,978	2,640,778
781	2640		" "	"	6.8	-		-6.8		68.0		+2351	-1201	178,684	2,640,928
782	2310		334° 56'	"	8.2	-		-8.2		66.6		+2057	-1051	178,390	2,641,078
783	1980		" "	"	10.2	-		-10.2		64.6		+1763	-901	178,096	2,641,228
784	1650		" "	"	10.9	-		-10.9		63.9		+1469	-751	177,802	2,641,378
785	1320		" "	"	10.8	-		-10.8		64.0		+1175	-601	177,508	2,641,528
786	990		334° 56'	"	7.1	-		-7.1		67.7		+882	-450	177,215	2,641,679
787	660		" "	"	6.3	TH	+3.3	-3.0		71.8		+588	-300	176,921	2,641,829
788	330		" "	"	5.8	TH	+1.7	-4.1		70.7		+294	-150	176,627	2,641,979
789	0		" "	-2.0°	5.2	-		-5.2		69.6	X	0	0	176,333	2,642,129

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-16-83		B. Cotcamp		D. Wrinkle		6834		C.D. B.C.		2		53			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Williston - 7 1/2'		FLORIDA		LEVY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									74.8						
790	330		154° 59'	-2.0°	4.7	TH	+1.7	-3.0		71.8		-294	+150	176,039	2,642,279
791	660		" "	" "	4.5	TH	+3.3	-1.2		73.6		-588	+300	175,745	2,642,429
792	990		" "	" "	7.2	TH	+5.0	-2.2		72.6		-882	+450	175,451	2,642,519
793	1320		" "	" "	4.0	-		-4.0		70.8		-1176	+600	175,157	2,642,729
794	1650		" "	" "	4.2	-		-4.2		70.6		-1470	+750	174,863	2,642,879
795	1980		154° 59'	" "	3.5	-		-3.5		71.3		-1764	+899	174,569	2,643,029
796	2310		" "	" "	3.0	-		-3.0		71.8		-2058	+1049	174,275	2,643,178
797	2640		" "	" "	6.9	89° 54'	+4.6	-2.3		72.5		-2352	+1199	173,981	2,643,328
798	2970		" "	" "	7.1	89° 54'	+5.2	-1.9		72.9		-2646	+1349	173,687	2,643,478
799	3300		" "	" "	7.7	89° 54'	+5.8	-1.9		72.9		-2940	+1499	173,393	2,643,628
800	3630		" "	" "	9.9	89° 54'	+6.4	-3.5		71.3		-3234	+1649	173,099	2,643,778
801	3958		154° 55' 53"	" "	8.3	-		-8.3		66.8	TP	-3524	+1801	172,811	2,643,932
801	3958		" "	-2.0°	7.7	270° -		-7.7	-803		TP	+2	+2		
	3959		335° 00' 41"	-2.2° +	10.6	89° 50'	-11.5	-0.9	65.7		BS	+2	+2		
	3959		" "	" "	10.1	270° 10'	-11.5	-1.4	-113		BS				
802	3630		334° 58'	" "	9.5	89° 54'	+6.4	-3.1		62.6		+3228	-1661	172,519	2,644,082
803	3306		" "	" "	10.8	89° 54'	+5.8	-5.0		60.7		+2934	-1510	172,225	2,644,233
IF	3250		335° 14' 24"	" "	10.2	89° 54'	+5.7	-4.5		61.2	IF	+2897	-1473	172,188	2,644,270
804	2970		334° 58'	" "	10.0	89° 54'	+5.2	-4.8		60.9		+2641	-1359	171,932	2,644,384
805	2640		" "	-2.2°	9.7	89° 54'	+4.6	-5.1		60.6		+2347	-1208	171,638	2,644,535

172,180 x 2,644,300
IF T-ROAD EAST EL. 62.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
12.16.83		B. Cotcamp		D. Wrinkle		6834		C.J. B.C.		2	54					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
FLORIDA		Williston 7 1/2'		FLA.		LEWY					L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									65.7							
#1	2530		335° 19' 08"	-2.2°	9.0	89° 54'	+4.4	-4.6		61.1	#1	+2257	-1144	171,548	2,644,599	+200 y 171,540 x 2,644,605
806	2310		334° 58'	"	8.8	89° 54'	+4.0	-4.8		60.9		+2054	-1057	171,345	2,644,686	
807	1980		" "	"	7.8	89° 54'	+3.5	-4.3		61.4		+1761	-906	171,052	2,644,837	
808	1650		" "	"	7.1	89° 54'	+2.9	-4.2		61.5		+1467	-755	170,758	2,644,988	
809	1320		334° 58'	"	6.7	89° 54'	+2.3	-4.4		61.3		+1174	-604	170,465	2,645,139	
810	990		" "	"	7.0	89° 50'	+2.9	-4.1		61.6		+880	-453	170,171	2,645,290	
811	660		" "	"	6.2	89° 50'	+1.9	-4.3		61.4		+587	-302	169,878	2,645,441	
812	330		" "	"	5.0	89° 50'	+1.0	-4.0		61.7		+293	-151	169,584	2,645,592	
813	0			-2.2°	5.2	-		-5.2		60.5	X	0	0	169,291	2,645,743	
814	330		154° 59'	"	5.8	89° 40'	+1.9	-3.9		61.8		-293	+151	168,998	2,645,894	
815	660		" "	"	6.8	89° 40'	+3.8	-3.0		62.7		-587	+302	168,704	2,646,045	
816	990		" "	"	7.0	89° 40'	+5.8	-1.2		64.5		-880	+453	168,411	2,646,196	
817	1320		" "	"	5.5	89° 40'	+7.7	+2.2		67.9		-1174	+604	168,117	2,646,347	
818	1650		" "	"	3.5	89° 40'	+9.6	+6.1		71.8		-1467	+755	167,824	2,646,498	
819	1980		154° 59'	"	6.3	89° 40'	+11.5	+5.2		70.9		-1761	+906	167,530	2,646,649	
820	2310		" "	"	11.0	89° 40'	+13.4	+2.4		68.1		-2054	+1056	167,237	2,646,799	
821	2640		" "	"	10.1	89° 44'	+12.3	+2.2		67.9		-2348	+1207	166,943	2,646,950	
822	2970		" "	"	9.8	89° 44'	+13.8	+4.0		69.7		-2641	+1358	166,650	2,647,101	
823	3300		" "	"	8.8	89° 44'	+15.4	+6.6		72.3		-2935	+1509	166,356	2,647,252	
#7	3410		154° 42' 42"	-2.2°	8.4	89° 44'	+15.9	+7.5		73.2	#7	-3025	+1574	166,260	2,647,317	y=166,250 x=2,647,320 #7 4 way int

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12.16.83		B. Cotcamp		D. Wrinkle		6834		C.J.		2		55			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Williamston - 7 1/2'		FLA.		LEVY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									65.7						
824	3631		154° 55' 14"	-2.2°	9.6	89° 44'	+16.9	+7.3	73.3	TP	-3227	+1664	166,066	2,647,410	
824	3631				9.1	270° 16'	+16.9	+7.8							TP
	3627		335° 00' 37"		10.8	89° 50'	-10.6	+0.2	73.2	BS	-3226	+1657			
	3627				10.2	270° 10'	-10.6	-0.4							BS
825	3300		335° 00'		10.5	89° 50'	+9.6	-0.9		72.3	+2935	-1508	165,777	2,647,559	
826	2970		" "		7.5	89° 50'	+8.6	+1.1		74.3	+2642	-1358	165,484	2,647,709	
827	2640		" "		4.9	89° 50'	+7.7	+2.8		76.0	+2348	-1207	165,190	2,647,860	
828	2310		" "		7.9	89° 44'	+10.8	+2.9		76.1	+2055	-1056	164,897	2,648,011	
829	1980		335° 00'		7.7	89° 44'	+9.2	+1.5		74.7	+1761	-905	164,603	2,648,162	
830	1650		" "		8.9	89° 44'	+7.7	-1.2		72.0	+1468	-754	164,310	2,648,313	
831	1320		" "		10.4	89° 44'	+6.1	-4.3		68.9	+1174	-603	164,016	2,648,464	
832	990		" "		7.4	-		-7.4		65.8	+881	-453	163,723	2,648,614	
833	660		" "		10.7	-		-10.7		62.5	+587	-302	163,429	2,648,765	
834	330		" "		9.6	-		-9.6		63.6	+294	-151	163,136	2,648,916	
835	0			-2.2°	5.2	-		-5.2		68.0	0	0	162,842	2,649,067	
836	330		155° 10'		3.8	89° 30'	+2.9	-0.9		72.3	-294	+150	162,548	2,649,217	
837	660		" "		6.1	89° 30'	+5.8	-0.3		72.9	-588	+300	162,254	2,649,367	
838	990		" "		9.0	89° 30'	+8.6	-0.4		72.8	-882	+450	161,960	2,649,517	
#1	1169		154° 12' 12"	-2.2°	10.0	89° 30'	+10.2	+0.2		73.4	#1 -1032	+549	161,810	2,649,616	#1 road by 161,520 #2 2,649,615

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-16-83		B. Cotcamp		D. WRINKLE		6834		DW CY		2		56				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
FLORIDA		Williston - 7 1/2		FLA.		LEVY								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									73.2							
839	1320		155° 04'	-2.2°	11.3	89° 30'	+11.5	+0.2		73.4		-1175	+1602	161,667	2,649,669	
840	1650		" "	"	8.5	89° 40'	+9.6	+1.1		74.3		-1468	+753	161,374	2,649,820	
841	1980		" "	"	9.0	89° 40'	+11.5	+2.5		75.7		-1762	+903	161,080	2,649,970	
842	2310		" "	"	9.7	89° 40'	+13.4	+3.7		76.9		-2056	+1054	160,786	2,650,121	
843	2640		155° 11'	-2.2°	8.9	89° 40'	+15.4	+6.5		79.7		-2349	+1204	160,493	2,650,271	
844	2971		155° 08' 35"	-2.1°	6.6	89° 40'	+17.3	+10.7		84.2	TP	-2648	+1347	160,196	2,650,414	ACROSS ROAD FROM
844	2971			"	6.1	270° 20'	+17.3	+11.2	+11.05		TP					Station
	3301		347° 26' 59"	"	9.7	-		+9.7	93.7		BS	-3194	+835			
	3301			"	9.3	270°		+9.3	+9.53		BS					
41	3135		347° 27' 41"	"	8.2	-		-8.2		85.5	41	+3033	-792	160,036	2,650,457	Y-160,040 X-2,650,450 T-ROAD WEST
845	2970		347° 27'	"	7.1	-		-7.1		86.6		+2872	-751	159,876	2,650,498	
846	2640		" "	"	5.3	-		-5.3		88.4		+2554	-668	159,557	2,650,581	
847	2310		" "	"	5.8	-		-5.8		87.9		+2235	-584	159,238	2,650,665	
848	1980		" "	-2.1°	9.5	-		-9.5		84.2		+1916	-501	158,919	2,650,748	
849	1650		" "	"	6.1	BH	-8.3	-14.4		79.3		+1596	-412	158,599	2,650,832	
850	1320		" "	"	11.9	BH	-6.6	-18.5		75.2		+1277	-334	158,280	2,650,915	
851	990		" "	"	9.1	90° 40'	-11.5	-20.6		73.6		+958	-250	157,961	2,650,999	
41	965		348° 22' 44"	"	9.0	90° 40'	-11.2	-20.2		73.5		+937	-229	157,940	2,651,020	T-ROAD X-157,940 Y-2,651,020 CORNER X-937 Y-971
852	660		347° 27'	"	8.1	90° 40'	-7.7	-15.8		77.9		+639	-167	157,642	2,651,082	
853	330		" "	-2.1°	6.0	90° 40'	-3.8	-9.8		83.8		+319	-83	157,322	2,651,166	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-16-83		B. Cotcamp		D. Wrinkle		6834		C.J. B.C.		2		57			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Williston - 7 1/2'		FLA.		LEVY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									93.7						
854	0			-2.1°	5.2	-		-5.2		88.5	X	0	0	1,57,003	2,651,249
855	330		167° 32'	"	5.2	90° 40'	-3.8	-9.0		84.7		-319	+83	156,184	2,651,332
856	660		" "	"	9.4	90° 40'	-7.7	-17.1		76.6		-639	+164	156,364	2,651,415
857	990		" "	"	9.2	90° 40'	-11.5	-20.2		73.0		-958	+249	156,045	2,651,498
858	1320		" "	"	12.1	90° 30'	-11.5	-23.6		70.1		-1278	+332	155,725	2,651,581
859	1650		" "	"	11.4	-		-11.4		82.3		-1597	+415	155,406	2,651,664
Bm	1849		166° 00' 19"	-2.1°	5.6	-		-5.6		88.1	Bm	-1777	+513	155,026	2,651,762
860	1980		167° 32'	"	7.8	-		-7.8		85.9		-1916	+498	155,087	2,651,747
861	2310		" "	"	11.1	-		-11.1		82.6		-2236	+581	154,767	2,651,830
862	2640		" "	"	11.0	-		-11.0		82.7		-2555	+664	154,448	2,651,913
863	2970		" "	"	7.4	-		-7.4		86.3		-2825	+747	154,128	2,651,996
864	3300		" "	"	5.2	-		-5.2		88.5		-3194	+830	153,809	2,652,079
865	3629		167° 27' 22"	" "	10.9	-		-10.9		83.1	TP	-3511	+917	153,492	2,652,166
865	3629				10.3	270°		-10.3	-10.63		TP				

U.S.C. + 65 Bm El. 885
 X 155,210 X 2,651,288
 No. C-28 11

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

57A

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-4-84		B. Cotcamp		D. Greenfield		6834		CT. B.C.		2		57			
AREA		TOPO MAP		STATE		COUNTY		TWP		PPM		PARTY MANAGER			
FLORIDA		Williston - 7 1/2'		FLA.		LEVY						L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										83.1			1,844,105	356,111	
	963		347 14 18"	-1.1	6.4	89° -	-16.8	70.4	72.6		BS	-935	+231		
	963				6.2	271° -	-16.8	-10.6	10.5		BS	+2	-2		
866	633		347 14	--	8.2	89 10'	+9.2	+1.0		73.6		+615	-152	1,843,787	356,188
867	303		" "	--	8.7	89 10'	+4.4	-4.3		68.3		+294	-73	1,843,466	356,267 offset west
π	0				5.2	-		-5.2		67.4	π	0	0	1,843,172	356,340
Bm	402		147 50 16"	-1.1	9.4	88 10'	+12.9	+3.5		76.1	Bm	-336	+220	1,842,836	356,560 x=356,505 y=1,842,830 N.S.C.G.S. Km FL. 76.7 c2-69 1966
TP	1726		272 01 19"	--	7.2	89 40'	+10.0	+2.8	+2.9	75.5	TP	+28	-1726	1,843,202	354,612
TP	1726				7.0	270 20'	+10.0	+3.0			TP	+2	-2		
	566		347 06 44"	-1.1	5.6	TH	-2.8	+2.8	78.3		BS	-549	+137		
	566				5.5	TH	-2.8	+2.7			BS	+2	-2		
868	536		344 37	--	5.4	TH	+2.7	-2.7		75.6		+514	-152	1,843,169	354,595
869	554		345 37 42"	--	5.3	TH	+2.8	-2.5		75.8		+534	-148	1,843,184	354,599
869	209		350 05	--	5.7	TH	+1.0	-4.7		73.6		+205	-40	1,842,860	354,707
π	0				5.2	-		-5.2		73.1	π	0	0	1,842,655	354,747
870	130		196 21	-1.1	5.2	TH	+0.7	-4.5		73.8		-125	-34	1,842,530	354,713
871	456		184 47	--	6.0	TH	+2.3	-3.7		74.6		-455	-29	1,842,200	354,718
872	786		183 00 36	--	3.2	-		-3.2			TP	-786	-26	1,841,871	354,719
872	786				3.1	270° -		-3.1		75.2	TP	+2	-2		
	1978		0 38 05	--	1.9	TH	-9.9	-8.0	67.1		BS	-1978	+16		
	1978				1.6	TH 270° -	-9.9	-8.3			BS	+2	-2		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-4-84		B. Cotcamp		W. Greenfield		6834		C.J.		2		58			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Williston - 7 1/2'		FLA.		Levy				C-1				L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									67.1						
873	1650		0 38	-1.1	8.9	89° 30'	+14.4	+5.5		72.6		+1650	-13	1841.545	354.720
874	1320		" "	" "	7.9	89° 30'	+11.5	+3.6		70.7		+1320	-11	1841.215	354.722
875	990		" "	" "	7.9	89° 30'	+8.6	+0.7		67.8		+990	-8	1840.885	354.725
876	660		" "	" "	10.2	89° 30'	+5.8	+4.4		62.7		+660	-5	1840.555	354.728
877	330		" "	" "	9.7	89° 30'	+2.9	-6.8		60.3		+330	-3	1840.225	354.730
878	0				5.2	-		-5.2		61.9	π	0	0	1839.895	354.733
879	330		180 36	-1.1	6.7	89° 30'	+2.9	+3.8		63.3		-330	+3	1839.565	354.736
880	660		" "	" "	7.2	89° 30'	+5.8	-1.4		65.7		-660	+6	1839.235	354.739
881	990		" "	" "	3.7	89° 30'	+8.6	+4.9		72.0		-990	+9	1838.905	354.742
882	1320		" "	" "	5.3	89° 20'	+15.4	+10.1		77.2		-1320	+12	1838.575	354.745
883	1650		" "	" "	7.1	89° 20'	+19.2	+12.1		79.2		-1650	+14	1838.245	354.747
884	1980		" "	" "	7.6	89° 30'	+17.3	+9.9		76.8		-1980	+17	1837.915	354.750
#	2059		180 04 37		13.8	89° 22'	+22.8	+9.0		76.4	TP	-2059	+37	1837.838	354.768
#	2059				13.3	276 38	+22.8	+9.5	2.35		TP	+2	-2		
	578		2° 58' 52"	-1.1	6.1	91° 40'	+16.8	+22.9	99.3		BS	-577	-19		
	578				6.0	268 20	+16.8	+22.8			BS	+2	-2		
885	330		1 17	" "	7.3	91° 30'	+8.6	-15.9		83.4		+330	+1	1837.593	354.748
886	0				5.2	-		-5.2		94.1	π	0	0	1837.263	354.747
887	330		181 57	-1.1	5.9	88 10	+10.6	+4.7		104.0		-330	-5	1836.933	354.742

X=354.730 Y=1837.845
HWY Inter. EL 78.0

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
1.4.84		B. Cotcamp		W. Greenfield		6834		C.J. B.C.		2	59						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
FLORIDA		Williston - 7 1/2'		FLA.		Levy					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									99.3								
888	660		181° 00' 41"	-1.1°	12.2	88° 40'	+15.4	+3.2			TP	-660	+1	1836605	354,746		
888	660				12.0	271° 20'	+15.4	+3.4	+3.25	102.6	TP	+2	-2				
	1979		1° 19' 37"		+2.7	89° -	-34.5	-31.8			BS	-1979	-8				
	1979				+2.4	271° -	-34.5	-32.1	-31.95	70.7	BS	+2	-2				
889	1650		1° 22'	-1.1°	7.0	89° -	+28.8	+21.7		92.4		+1650	+8	1834278	354,744		
890	1320		" "	" "	8.0	89° -	+23.0	+15.0		85.7		+1320	+6	1835948	354,742		
891	990		" "	" "	10.7	89° -	+17.3	+6.6		77.3		+990	+5	1835618	354,741		
892	660		" "	" "	7.8	89° 20'	+7.7	-0.1		70.6		+660	+3	1835288	354,739		
#1	527		3° 05' 33"	" "	7.4	89° 20'	+6.1	-1.3		69.4	#1	+527	+18	1835155	354,754	#1 - 1835,170 X - 354,765 #1 T-Inter.	
893	330		1° 22'	" "	6.8	89° 20'	+3.8	-3.0		67.7		+330	+2	1834958	354,738		
894	0		" "	" "	5.2	-		-5.2		65.5	TP	0	0	1834620	354,736		
895	330		181° 29'	-1.1°	5.4	-		-5.4		65.3		-330	-2	1834298	354,734		
896	660		" "	" "	5.9	-		-5.9		64.8		-660	-4	1833968	354,732		
897	990		" "	" "	6.2	-		-6.2		64.5		-990	-7	1833638	354,729		
898	1320		" "	" "	5.7	-		-5.7		65.0		-1320	-9	1833308	354,727		
899	1650		" "	" "	11.0	74	+8.3	-2.7		68.0		-1650	-11	1832978	354,725	Williston - 7 1/2' ↑	
900	1981		181° 36' 04"	" "	10.2	74	+9.9	-0.3			TP	-1981	-17	1832649	354,717	MORRISTON - 7 1/2' ↓	
900	1981		" "	" "	9.8	74 270° -	+9.9	+0.1	-0.13	70.6	TP	+2	-2				
	5278		1° 12' 06"	" "	+4.6	89° 58'	-3.1	+1.5			BS	-5278	-9				
	5278		" "	" "	+4.3	270° 02'	-3.1	+1.2	+1.13	72.0	BS	+1	-2				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 1-5-84	INSTRUMENT MAN B. Cotcamp	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY C.J.	LINE NO. 2	PAGE 60
AREA FLORIDA	TOPO MAP MARRISTON -7 1/2'	STATE FLA.	COUNTY LEWY	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									72.0							
#	5129		1° 25' 46"	-1.1°	10.7	89° 52'	+11.9	+1.2		73.2	#	+5129	+29	1832501	354.735	g=1832,500 x-354,745 1/4 way
901	4950		1° 13'	"	12.7	89° 50'	+14.4	+1.7		73.7		+4950	+10	1832,322	354.716	
902	4620		" "	"	12.3	89° 50'	+13.4	+1.1		73.1		+4620	+9	1831,992	354.715	
903	4290		" "	"	11.9	89° 50'	+12.5	+0.6		72.6		+4290	+9	1831,662	354.715	
904	3960		" "	"	11.8	89° 50'	+11.5	-0.3		71.7		+3960	+8	1831,332	354.714	
905	3630		1° 13'	-1.1°	11.9	89° 50'	+10.6	-1.3		70.7		+3630	+7	1831002	354.713	
906	3300		" "	"	11.5	89° 50'	+9.6	-1.9		70.1		+3300	+7	1830672	354.713	
907	2970		" "	"	10.8	89° 50'	+8.6	-2.2		69.8		+2970	+6	1830,342	354.712	
908	2640		" "	"	9.2	89° 50'	+7.7	-1.5		70.5		+2640	+5	1830012	354.711	
909	2310		1° 13'	-1.1°	8.5	89° 50'	+6.7	-1.8		70.2		+2310	+5	1829682	354.711	
910	1980		" "	"	8.3	89° 50'	+5.8	-2.5		69.5		+1980	+4	1829,352	354.710	
911	1650		" "	"	8.3	89° 50'	+4.8	-3.5		68.5		+1650	+3	1829,022	354.709	
912	1320		" "	"	7.6	89° 50'	+3.8	-3.8		68.2		+1320	+3	1828,692	354.709	
913	990		" "	"	6.3	89° 50'	+2.9	-3.4		68.6		+990	+2	1828,362	354.708	
914	660		" "	"	7.3	89° 40'	+3.8	-3.5		68.5		+660	+1	1828,032	354.707	
915	330		" "	"	5.4	89° 40'	+1.9	-3.5		68.5		+330	+1	1827,702	354.707	
916	0				5.2	-		-5.2		66.8	π	0	0	1827,372	354.706	
917	330		181° 16'	-1.1°	6.6	-		-6.6		65.4		-330	-1	1827,042	354.705	
918	660		" "	"	8.0	-		-8.0		64.0		-660	-2	1826,712	354.704	
919	990		" "	"	8.2	-		-8.2		63.8		-990	-3	1826,382	354.703	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-5-84		B. Cotcamp		W. Greenfield		6834		C.J.		2		61				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
FLORIDA		MORRISTOWN - 7 1/2'		FLA.		Levy								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH -	EAST + WEST -		Y	X
									72.0							
920	1320		181° 16'	-1.1°	7.8	-		-7.8		64-2		-1320	-4	1826052	354.702	
#	1542		180° 37' 56"	""	7.2	-		-7.2		64-8	#	-1542	+13	1825830	354.719	1.825,855 x 354,720 1/4 way int. 64.0
921	1650		181° 16'	""	7.2	-		-7.2		64-8		-1650	-5	1825722	354.701	
922	1980		" "	""	6.8	-		-6.8		65-2		-1980	-6	1825392	354.700	
923	2310		" "	""	6.9	-		-6.9		65-1		-2310	-7	1825062	354.699	
924	2640		" "	""	7.0	-		-7.0		65-0		-2640	-8	1824732	354.698	
925	2970		181° 16'	-1.1°	7.1	-		-7.1		64-9		-2970	-9	1824402	354.697	
926	3300		" "	""	7.1	-		-7.1		64-9		-3300	-10	1824072	354.696	
927	3630		" "	""	7.1	-		-7.1		64-9		-3630	-11	1823742	354.695	
928	3960		" "	""	7.8	-		-7.8		64-2		-3960	-12	1823412	354.694	
929	4290		181° 16'	""	8.2	-		-8.2		63-8		-4290	-12	1823082	354.694	
930	4620		" "	""	9.3	-		-9.3		62-7		-4620	-13	1822752	354.693	
931	4950		" "	""	10.3	-		-10.3		61-7		-4950	-14	1822422	354.692	
932	5277		181° 14' 03"	""	11.8	-		-11.8			TP	-5277	-12	1822096	354.692	
932	5277		" "	""	11.6	-		-11.6	-11.73	60.3	TP	"	-2			
	3629		0° 17' 28"	-1.1°	11.3	-		+11.3			BS	-3629	+51			
	3629		" "	""	11.0	270-		+11.0	-11.23 71.5		BS	"	-1			
933	3298		0° 05'	""	12.0	-		-12.0		59.5		+3297	-59	1821765	354.683	
934	2968		0° 00'	""	11.0	-		-11.0		60.5		+2967	-57	1821435	354.685	
935	2639		" "	""	10.0	-		-10.0		61.5		+2639	-51	1821107	354.691	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-5-84	INSTRUMENT MAN	B. Cotamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	C.Y.	B.C.	LINE NO.	2	PAGE	62
AREA	FLORIDA	TOPO MAP	MORRISTON - 7 1/2'	STATE	FLA.	COUNTY	Levy	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									71.5					
936	2309		359° 48'	-1.1°	10.2	-		-10.2		61-3		+2308	-52	1820.776 354.690
937	1979		359° 32'	"	11.0	-		-11.0		60-5		+1978	-54	1820.446 354.688
938	1649		359° 13'	"	11.1	-		-11.1		60-4		+1648	-54	1820.116 354.688
939	1319		358° 49'	"	8.9	-		-8.9		62-6		+1318	-53	1819.786 354.689
940	990		358° 14'	"	6.6	-		-6.6		64-9		+989	-50	1819.457 354.692
941	660		357° 45'	"	6.2	-		-6.2		65-3		+659	-39	1819.127 354.703
942	330		" "	"	6.2	-		-6.2		65-3		+329	-19	1818.797 354.723
943	0				5.2	-		-5.2		66-3	TP	0	0	1818.468 354.742
IF	144		169° 14' 10"	-1.1°	2.4	-		-2.4		69-1	IF	-141	+30	1818.330 x-354.755 1818.327 354.772 IF T-Inter.
944	330		175° 23'	"	6.0	89° -	+5.8	-0.2		71-3		-328	+33	1818.140 354.775
945	660		175° 00'	"	11.0	89° -	+11.5	+0.5		72-0		-656	+70	1817.812 354.812
946	990		174° 39'	"	5.8	89° 40'	+5.8	± 0.0		71-5		-984	+111	1817.484 354.853
947	1319		174° 04'	"	8.8	89° 40'	+7.7	-1.1		70-4		-1309	+162	1817.159 354.904
948	1648		173° 45'	"	10.5	89° 50'	+4.8	-5.7		65-8		-1634	+211	1816.834 354.953
TP	1830		173° 16' 35"	"	14.2	89° 50'	+5.3	-8.9		62.6	TP	-1813	+249	1816.656 354.990
TP	1830				14.3	270° 10'	+5.3	-9.0			TP	"	"	
	3777		351° 04' 02"	-1.1°	13.3	-		+13.3	75.9		BS	-3719	+658	
	3777			"	13.2	270° -		+13.2			BS	"	"	
949	3630		351° 01'	"	8.9	89° 06'	-6.4	-15.3		60-6		+3574	-636	1816.512 355.011
HI	3592		351° 17' 40"	"	8.6	90° 06'	-6.3	-14.9		61-0	HI	+3540	-612	1816.470 x-355.015 1816.478 355.035 HI T-Inter.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
1-5-84		B. Cotcamp		W. Greenfield		6834		C.J.		2	63				
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
FLORIDA		Morristown - 7 1/2'		FLA.	LEUY					L.O. DAVIS					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									75.9						
950	3300		351 01	-1.1	11.2	90° 04'	-3.8	-15.0		60.9		+3249	-578	1816187	355.069
951	2970		" "	" "	11.2	90° 04'	-3.4	-14.6		61.3		+2924	-520	1815862	355.127
952	2640		" "	" "	8.2	90° 04'	-3.1	-11.3		64.6		+2599	-462	1815537	355.185
953	2310		" "	" "	7.7	-		-7.7		68.2		+2274	-464	1815212	355.243
954	1980		351 01	-1.1	8.9	-		-8.9		67.0		+1949	-347	1814887	355.300
955	1650		" "	" "	12.5	-		-12.5		63.4		+1625	-289	1814563	355.358
956	1320		" "	" "	8.1	BH	-6.6	-14.7		61.2		+1300	-231	1814238	355.416
957	990		" "	" "	9.8	BH	-5.0	-14.8		61.1		+975	-173	1813913	355.474
958	660		" "	" "	10.2	BH	-3.3	-13.5		62.4		+650	-116	1813588	355.531
959	330		" "	" "	7.1	-		-7.1		68.8		+325	-58	1813263	355.589
960	0				5.2	-		-5.2		70.7	π	0	0	1812938	355.647
961	330		171° 05'	-1.1	6.4	-		-6.4		69.5		-325	+57	1812613	355.704
962	660		" "	" "	8.1	-		-8.1		67.8		-650	+115	1812288	355.762
963	990		" "	" "	10.1	-		-10.1		65.8		-975	+172	1811963	355.819
964	1320		" "	" "	12.0	-		-12.0		63.9		-1300	+230	1811638	355.877
965	1650		171° 05'	-1.1	12.1	-		-12.1		63.8		-1625	+287	1811313	355.934
966	1980		" "	" "	12.2	-		-12.2		63.7		-1950	+344	1810988	355.991
967	2310		" "	" "	12.0	-		-12.0		63.9		-2275	+402	1810663	356.049
968	2640		" "	" "	11.2	-		-11.2		64.7		-2600	+459	1810338	356.106
969	2970		" "	" "	12.2	-		-12.2		63.7		-2925	+517	1810013	356.164

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
1-5-84		B. Cotcamp		W. Greenfield		6834		C.J.		2	64						
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
FLORIDA		Morriston - 7 1/2'		FLA.	LEVY				L. O. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									75.9								
IF	3256		170° 41' 43"	-1.1	7.3	90° 06'	-5.7	-13.0		62.9	IF	-3203	+582	1,809,735	356,229	Y=1,809,710 X=356,260 LT-Inter. E.L. 630	
970	3300		171° 05'	"	7.4	90° 06'	-5.8	-13.2		62.7		-3250	+574	1,809,688	356,221		
971	3630		" "	"	9.0	90° 04'	-4.2	-13.2		62.7		-3575	+631	1,809,363	356,278		
972	3960		" "	"	8.8	90° 04'	-4.6	-13.4		62.5		-3900	+689	1,809,038	356,336		
973	4290		171° 05'	-1.1	8.1	90° 04'	-5.0	-13.1		62.8		-4225	+746	1,808,913	356,393		
974	4620		" "	"	7.9	90° 04'	-5.4	-13.3		62.6		-4550	+804	1,808,388	356,451		
975	4950		" "	"	5.7	90° 04'	-5.7	-11.4		64.5		-4875	+861	1,808,63	356,508		
976	5280		" "	"	6.7	90° -		-6.7		69.2		-5200	+978	1,807,738	356,565		
977	5609		171° 03' 59"	"	2.8	-		-2.8			TP	-5523	+977	1,807,416	356,623		
977	5609				2.7	270° -		-2.7		73.2	TP	"	"				
	3960		351° 07' 55"	-1.1	13.8	TH -	-19.8	-6.0	66.9		BS	-3900	+685				
978	3960				13.2	TH 270°	-19.8	-6.6	63.5		BS	"	"				
978	3630		351° 08'	"	8.8	89° 50'	+10.6	+1.8		68.7		+3575	-628	1,807,092	356,679		
979	3300		" "	"	5.3	-		-5.3		61.6		+3250	-571	1,806,767	356,736		
980	2970		" "	"	7.1	-		-7.1		59.8		+2925	-514	1,806,442	356,793		
981	2640		351° 08'	"	4.0	-		-4.0		62.9		+2600	-457	1,806,117	356,850		
982	2310		" "	"	10.4	89° 50'	+6.7	-3.7		63.2		+2275	-400	1,805,792	356,907		
983	1980		" "	"	10.1	89° 50'	+5.8	-4.3		62.6		+1950	-343	1,805,467	356,964		
984	1650		" "	"	9.9	89° 50'	+4.8	-5.1		61.8		+1625	-286	1,805,142	357,021		
984	1538		351° 42' 49"	"	9.4	89° 50'	+4.5	-4.9		62.0		+1517	-251	1,805,034	357,056		

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	1-5-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	C.S.	B.C.	LINE NO.	2	PAGE	65
AREA	FLA.	TOPO MAP	Maeriston - 7 1/2'	STATE	FLA.	COUNTY	LEVY	TWP	RANGE	PPM	PARTY MANAGER L.O. Davis			

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									66.9							
985	1320		351° 08'	-1.1°	8.9	89° 50'	+3.8	-5.1		61-8		+1300	-228	1804817	357.079	
986	990		" "	" "	7.8	89° 50'	+2.9	-4.9		62-0		+975	-171	1804492	357.136	
987	660		" "	" "	6.6	89° 50'	+1.9	-4.7		62-2		+650	-114	1804167	357.193	
988	330		" "	" "	5.4	89° 50'	+1.0	-4.4		62-5		+325	-57	1803842	357.250	
989	0				5.2	-		-5.2		61-7	TP	0	0	1803517	357.307	
990	330		171° 08'	-1.1°	5.7	89° 50'	+1.0	-4.7		62-2		-325	+57	1803192	357.364	
991	660		" "	" "	5.7	89° 50'	+1.9	-3.8		63-1		-650	+114	1802867	357.421	
992	990		" "	" "	3.5	89° 50'	+2.9	-0.6		66-3		-975	+171	1802542	357.478	
993	1320		" "	" "	8.2	89° 50'	+3.8	-4.4		62-5		-1300	+228	1802217	357.535	
994	1650		171° 08'	-1.1°	11.9	89° 50'	+4.8	-7.1		59-8		-1625	+286	1801892	357.593	
995	1980		" "	" "	12.7	89° 50'	+5.8	-6.9		60-0		-1950	+343	1801567	357.650	
996	2310		" "	" "	10.7	89° 50'	+6.7	-4.0		62-9		-2275	+400	1801242	357.707	
997	2640		" "	" "	9.0	89° 50'	+7.7	-1.3		65-6		-2600	+457	1800917	357.764	
998	2970		" "	" "	6.1	-		-6.1		60-8		-2925	+514	1800592	357.821	
IF	3119		170° 50' 10"	" "	9.9	89° 56'	+3.6	-9.9-63		60-6	IF	-3069	+556	1800448	357.863	9-1800455 X-357.845 IF T-inter
999	3300		171° 08'	" "	9.9	89° 56'	+3.8	-6.1		60-8		-3250	+571	1800267	357.878	
1000	3830		" "	" "	7.0	89° 56'	+4.2	-2.8		64-1		-3575	+628	1799942	357.935	
1001	3959		171° 06' 58"	-1.1°	11.2	89° 52'	+9.2	-2.0		65.1	TP	-3899	+686	1799619	357.992	
1001	3959				10.8	270° 08'	+9.2	-1.6	5-183		TP	"	"			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-6-84		B. Cotcamp		W. Greenfield		6834		HOG C.J. B.C.		2		66			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Morrison - 7 1/2		FLA.										L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										45.1					
	3630		351 11 21"	-1.1	4.1	-		+4.1	69.1		BS	-3576	+625		
	3630			+3.9	270	-		+3.9	403		BS	+	-		
1002	3300		351 10'	" "	7.1	89 56	+3.8	-3.3	x	65-8		+3251	-569	1799295	358,047
IF	3118		351 28 00"	" "	8.6	89 56	+3.6	-5.0		64.1	IF	+3074	-522	1799118	358,094
1003	2970		351 10'	" "	7.1	-		-7.1		62-0		+2925	-512	1798969	358,104
1004	2640		" "	" "	9.4	-		-9.4		59.7		+2600	-455	1798644	358,161
1005	2310		" "	" "	9.5	-		-9.5		59.6		+2275	-398	1798319	358,218
1006	1980		" "	" "	9.2	-		-9.2		59.9		+1950	-342	1797994	358,274
1007	1650		351 10'	-1.1	9.3	-		-9.3		59.8		+1625	-285	1797669	358,331
1008	1320		" "	" "	9.3	-		-9.3		59.8		+1300	-228	1797344	358,388
1009	990		" "	" "	8.8	-		-8.8		60-3		+975	-171	1797019	358,445
1010	660		" "	" "	6.0	-		-6.0		63-1		+650	-114	1796694	358,502
1011	330		" "	" "	5.8	TH	+1.7	-4.1		65-0		+325	-57	1796369	358,559
1012	0				5.2	-		-5.2		63.9	T	0	0	1796044	358,616
1013	330		171 09'	-1.1	5.3	-		-5.3		63-8		-325	+57	1795719	358,673
IF	448		169 05 31"	" "	5.3	-		-5.3		63.8	IF	-438	+93	1795606	358,709
1014	660		171 09'	" "	5.9	-		-5.9		63-2		-650	+114	1795394	358,730
1015	990		" "	" "	5.8	-		-5.8		63-3		-975	+171	1795069	358,787
1016	1320		" "	" "	5.8	-		-5.8		63-3		-1300	+228	1794744	358,844
1017	1650		" "	" "	5.8	-		-5.8		63-3		-1625	+285	1794419	358,901

1799,100 x 358,095
IF T-Intersect

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
1.6.84		B. Cotcamp		W. Greenfield		6834		C.Y.		2	67				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
FLORIDA		MORRISTON - 7 1/2'		FLA.		LEUY					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									69.1						
1018	1980		171° 10'	-1.1°	5.0	-		-5.0		64.1		-1950	+342	1794094	358,958
1019	2310		" "	" "	10.4	TH	+11.6	+1.2	x	70.3		-2275	+398	1793769	359,014
IF	2309		170° 45' 13"	" "	10.2	TH	+11.5	+1.3		70.4	IF	-2271	+415	1793773	359,031 IF T-intersect
1020	2635		171° 18' 04"	" "	4.6	TH	+13.2	+8.6			TP	-2597	+448	1793448	359,063
1020	2635				4.4	TH 270°	+13.2	+8.8	+8.7	77.8	TP		-1		
	1319		359 19 18"	-1.1°	12.0	90° 40'	+15.3	+27.3			BS	-1318	+41		
	1319		" "	" "	11.8	269° 20'	+15.3	+27.1	+27.3	105.8	BS		-1		
1021	990		0 13'	" "	13.1	90° 20'	-5.8	-18.4		86.1		+990	-15	1793121	359,088
1022	660		" "	" "	7.1	90° 20'	-3.8	-10.9		94.1		+660	-10	1792791	355,093
1023	330		" "	" "	6.2	-		-6.2		98.8		+330	-5	1792461	355,098
1024	0				5.2	-		-5.2		99.8	π	0	0	1792131	359,103
1025	330		180° 37'	-1.1°	9.0	-		-9.0		96.0		-330	+3	1791801	359,106
1026	660		" "	" "	10.3	91° -	-11.5	-21.8		83.2		-660	+6	1791471	359,109
1027	990		" "	" "	11.0	91° -	-17.3	-28.3		76.7		-990	+8	1791141	359,111
1028	1320		179° 54' 55"	" "	2.7	91° -	-23.0	-25.7			TP	-1320	+27	1790812	359,129
1028	1320		" "	" "	2.5	269° -	-23.0	-25.5	-25.3	79.4	TP		-1		
	4619		0 40 25"	-1.1°	4.4	-		+4.4	83.5		BS	-4619	+34		
	4619		" "	" "	3.8	270° -		+3.8	4.13		BS		-1		
1029	4296		0 28'	" "	5.0	-		-5.0		78.5		+4290	-47	1790484	359,115
1030	3960		" "	" "	6.9	-		-6.9		76.6		+3960	-44	1790154	359,118

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1:6.84		B. Cotcamp		W. Greenfield		6834		C.J.		2		68			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		MORRISTON - 7 1/2'		FLA.		LEM								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS & TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									83.5						
1031	3630		0 28	-1.1°	10.0	-		-10.0		73.5		+3630	-40	1789,824	359,122
1032	3300		" "	" "	12.1	-		-12.1		71.4		+3300	-36	1789,494	359,126
1033	2970		" "	" "	8.6	-		-8.6		74.9		+2970	-33	1789,164	359,129
1034	2640		" "	" "	7.1	-		-7.1		74.4		+2640	-29	1788,834	359,133 MORRISTON - 7 1/2' ↑
1035	2310		0 28	-1.1°	7.6	-		-7.6		75.9		+2310	-26	1788,504	359,136 Romeo - 7 1/2' ↓
1036	1980		" "	" "	7.9	-		-7.9		75.6		+1980	-22	1788,174	359,140
1037	1650		" "	" "	9.0	-		-9.0		74.5		+1650	-18	1787,844	359,144
1038	1320		" "	" "	10.7	-		-10.7		72.8		+1320	-15	1787,514	359,147
1039	990		" "	" "	12.0	-		-12.0		71.5		+990	-11	1787,184	359,151
1#	873		1° 25' 46"	" "	12.4	-		-12.4		71.1	1#	+873	+5	1787,067	359,167
1040	660		0 28	" "	11.0	90° 10'	-1.9	-12.9		70.6		+660	-7	1786,854	359,155
1041	330		" "	" "	7.3	90° 10'	-1.0	-8.3		75.2		+330	-4	1786,524	359,158
1042	0				5.2	-		-5.2		78.3	1#	0	0	1786,194	359,162
1043	330		180 32	-1.1°	5.5	90° 10'	-1.0	-6.5		77.0		-330	+3	1785,864	359,165
1044	660		" "	" "	11.6	90° 10'	-1.9	-13.5		70.0		-660	+7	1785,534	359,169
1045	990		" "	" "	10.8	90° 40'	-1.5	-22.3		61.2		-990	+10	1785,204	359,172
1046	1320		" "	" "	10.3	90° 40'	-15.4	-26.0		57.5		-1320	+13	1784,874	359,175
1#	1507		179 56.42"	" "	8.2	90° 40'	-17.5	-25.7		57.8	1#	-1507	+30	1784,687	359,192
1047	1650		180 32	" "	11.9	90° 30'	-14.4	-26.3		57.2		-1650	+16	1784,544	359,178
1048	1980		" "	" "	7.3	90° 30'	-17.3	-24.6		58.9		-1980	+20	1784,214	359,182

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 1-6-84	INSTRUMENT MAN B. Cotcamp	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY C.Y.	B.C.	LINE NO. 2	PAGE 69
AREA FLORIDA	TOPO MAP Romeo - 7 1/2'	STATE FLA.	COUNTY LEWY	TWP	RANGE	PPM	PARTY MANAGER L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									83.5					
1049	2310		188° 28'	-1.1	8.6	90° 20'	-13.4	-22.0		61.5		-2310	+23	1783,884 359,185
1050	2640		" "	" "	8.2	90° 20'	-15.4	-23.6		59.9		-2640	+26	1783,554 359,188
1051	2970		" "	" "	9.7	90° 20'	-17.3	-27.0		56.5		-2970	+29	1783,224 359,191
1052	3300		" "	" "	8.4	90° 20'	-19.2	-27.6		55.9		-3300	+33	1782,894 359,195
1053	3630		" "	" "	8.1	90° 20'	-21.1	-29.2		54.3		-3630	+36	1782,564 359,198
1054	3960		" "	" "	7.8	90° 20'	-23.0	-30.8		52.7		-3960	+39	1782,234 359,201
1055	4289		180° 29' 22"	" "	5.8	90° 12' 54"	-16.1	-21.9			TP	-4289	+46	1781,906 359,207
1055	4289				5.8	269° 47' 55"	-15.1	-20.9	21.43	62.1	TP	"	"	
	2970		0° 05' 56"	-1.1	8.3	-	-	+8.3	70.2		BS	-2970	+52	
	2970				7.9	270° -	-	+7.9	+8.13		BS	"	"	
1056	2640		0° 02'	" "	7.8	-	-	-7.8		62.4		+2640	-49	1781,577 359,209
1057	2310		" "	" "	7.8	-	-	-7.8		62.4		+2310	-43	1781,247 359,215
1058	1980		" "	" "	7.9	-	-	-7.9		62.3		+1980	-37	1780,917 359,221
1059	1650		" "	" "	8.1	-	-	-8.1		62.1		+1650	-31	1780,587 359,227
1060	1320		0° 02'	-1.1	8.0	-	-	-8.0		62.2		+1320	-25	1780,257 359,233
1061	990		" "	" "	5.2	-	-	-5.2		65.0		+990	-18	1779,927 359,240
1062	660		" "	" "	5.9	74°	+3.3	-2.6		67.6		+660	-12	1779,597 359,246
1063	330		" "	" "	8.6	89°	+5.8	-2.8		67.4		+330	-6	1779,267 359,252
1064	0				5.2	-	-	-5.2		65.0	TP	0	0	1778,937 359,258
17	36		149° 48' 36"	" "	4.6	-	-	-4.6		65.6	TP	-31	+19	1778,906 359,277

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-6-84		B. Cotcamp		W. Greenfield		6834		R.S.		B.C.		70				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
FLORIDA		Romeo - 7 1/2'		FLA.		LEVY/MARION								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH -	EAST + WEST -		Y	X
									70.2							
1065	330		180° 02'	-1.1°	6.2	-		-6.2		64.0		-330	+6	1778,607	359,264	
1066	660		" "	" "	5.9	-		-5.9		64.3		-660	+12	1778,277	359,270	
1067	990		" "	" "	8.7	TH	+5-0	-3.7		66.5		-990	+18	1777,947	359,276	
1068	1320		" "	" "	7.9	TH	+6-6	-1.3		68.9		-1320	+25	1777,617	359,283	
1069	1650		180° 02'	-1.1°	7.4	TH	+8-3	+0.9		71.1		-1650	+31	1777,287	359,289	
1070	1980		" "	" "	6.8	TH	+9-9	+3.1		73.3		-1980	+37	1776,957	359,295	
1071	2310		" "	" "	6.0	TH	+11-6	+5.6		75.8		-2310	+43	1776,627	359,301	
1072	2639		179° 25'	" "	7.0	TH	+13-2	+6.2		76.4		-2638	+78	1776,299	359,336	
1073	2967		178° 44' 19"	" "	8.5	TH	+14.8	+6.3			TP	-2964	+122	1775,974	359,379	
1073	2967				7.9	TH 270	+14.8	+6.9	+6.63	76.8	TP	"	-1			
	3299		352° 47' 13"	-1.1°	10.8	TH	-16.5	-5.7	70.7		BS	-3264	+477			
	3299				+10.0	TH 270	-16.5	-6.5	613		BS	"	-1			
1074	2970		352° 46'	" "	8.3	TH	+14.9	+6.6		77.3		+2939	-430	1775,650	359,425	
1075	2640		" "	" "	7.0	TH	+13.2	+6.2		76.9		+2612	-383	1775,323	359,472	
1076	2310		" "	" "	7.6	TH	+11-6	+4.0		74.7		+2286	-335	1774,997	359,520	
1077	1980		" "	" "	8.8	TH	+9-9	+1.1		71.8		+1959	-287	1774,670	359,568	LEVY County ↑
≠	1955		353° 14' 18"	-1.1°	8.3	TH	+9.8	+1.5		72.2	≠	+1937	-267	1774,648	359,588	MARION County ↓
1078	1650		352° 46'	" "	9.6	TH	+8-3	-1.3		69.4		+1633	-239	1774,344	359,616	
1079	1320		" "	" "	5.2	-		-5.2		65.5		+1306	-191	1774,017	359,664	
1080	990		" "	" "	10.1	-		-10.1		60.6		+980	-143	1773,691	359,712	

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-9-84		B. Cotcamp		W. Greenfield		6834		C.W.		B.C.		2 71			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		ROMEO - 7 1/2'		FLA.		MARION								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									70.7						
1081	660		352° 46'	-1.1	11.8	-		-11.8		58.9		+653	-96	1773364	359,759
1082	330		" "	" "	5.1	-		-5.1		65.6		+327	-48	1773030	359,807
1083	0				5.2	-		-5.2		65.5	X	0	0	1772711	359,855
1084	330		172° 49'	-1.1	13.0	84	-1.7	-14.7		56.0		-327	+48	1772304	359,903
±	321		170° 15' 35"	" "	13.9	-		-13.9		56.8	±	-315	+60	1772396	359,915
1085	660		172° 49'	" "	11.8	90° 30'	-5.8	-17.6		53.1		-653	+95	1772058	359,950
1086	990		" "	" "	8.2	90° 30'	-8.6	-16.8		53.9		-980	+143	1771731	359,998
1087	1320		" "	" "	5.7	90° 30'	-11.5	-17.2		53.5		-1306	+190	1771405	360,045
1088	1650		172° 49'	-1.1	7.9	90° 20'	-9.6	-17.5		53.2		-1633	+238	1771070	360,093
1089	1980		" "	" "	5.9	90° 20'	-11.5	-17.4		53.3		-1959	+285	1770752	360,140
1090	2310		" "	" "	10.8	90° 10'	-6.7	-17.5		53.2		-2286	+333	1770425	360,188
1091	2640		" "	" "	9.9	90° 10'	-7.7	-17.6		53.1		-2612	+380	1770099	360,235
1092	2970		" "	" "	9.1	90° 10'	-8.6	-17.7		53.0		-2939	+428	1769772	360,283
±	3258		172° 32' 54"	" "	5.9	90° 10'	-9.5	-15.5		55.2	±	-3222	+484	1769409	360,339
1093	3302		172° 52' 41"	" "	6.3	90° 10'	-9.6	-15.9			TP	-3268	+472	1769444	360,326
1093	3302				5.8	269° 50'	-9.6	-15.4	-15.63	55.1	TP	"	-1		
											BS				
											BS				

1772400 x 359,835
± T-INTER. EL. 570

1769460 x 360,300

± T-INTER.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1.9.84		B. Cotcamp		W. Greenfield		6834		B.P.		2		72			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Romeo - 7 1/2'		FLA.		MARION								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										55.1					
	1205		355° 07' 24"	-1.1	+10.5	TH	-6.0	+4.5	59.6		BS	-1198	+125		
	1205				+10.5	TH	-6.0	+4.5			BS	+	-		
1094	876		356° 11'	~	7.1	TH	+4.4	-2.7		56.9		+873	-75	1769,120	360,375
1095	547		357° 45'	~	9.0	89° 10'	+8.0	-1.0		58.6		+546	-32	1768,793	360,418
1096	220		3° 17'	~	7.1	88° 10'	+7.0	-0.1		59.5		+220	+8	1768,467	360,458
\bar{x}	0				5.2	-		-5.2		54.4	X	0	0	1768,247	360,450
1097	110		189° 00'	-1.1	7.2	-		-7.2		52.4		-109	-15	1768,138	360,435
1098	440		~	~	8.1	-		-8.1		51.5		-436	-60	1767,811	360,390
1099	769		~	~	6.4	TH	+3.8	-2.6		57.0		-762	-106	1767,485	360,344
1100	1098		189° 00' 07"	~	6.5	89° 30'	+9.6	+3.1		62.7	TP	-1088	-151	1767,160	360,298
1100	1098				6.4	270° 30'	+9.6	+3.2			TP	"	-		
	2971		9° 19' 47"	-1.1	+14.6	-		+14.6			BS	-2940	-425		
	2971				+14.3	270° -		+14.3		77.0	BS	+	-		
1101	2640		9° 15'	~	9.9	90° 06'	-4.6	-14.5		62.5		+2613	+374	1766,834	360,245
1102	2310		~	~	11.2	90° 06'	-4.0	-15.2		61.8		+2287	+327	1766,508	360,198
1103	1980		~	~	12.5	90° 06'	-3.5	-16.0		61.0		+1960	+281	1766,181	360,152
1104	1650		~	~	16.7	90° 10'	-4.8	-21.5		55.5		+1633	+234	1765,854	360,105
1105	1320		9° 15'	-1.1	15.5	90° 10'	-3.8	-19.3		57.7		+1307	+187	1765,220	360,058
1106	990		~	~	6.7	90° 10'	-2.9	-9.6		67.4		+980	+140	1765,201	360,011
1107	660		~	~	8.0	89° 30'	+5.8	-2.2		74.8		+653	+94	1764,874	359,965

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-9-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	C.J.	LINE NO.	2	PAGE	73
AREA	FLORIDA	TOPO MAP	Romeo - 7 1/2'	STATE	FLA.	COUNTY	MARION	TWP		PARTY MANAGER	L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									77.0							
1108	330		9 15	-1.1°	5.2	89 30'	+2.9	-2.3		74.7		+327	+47	1764.548	359.918	
1109	0				5.2	-		-5.2		71.8	TP	0	0	1764.221	359.871	
1110	330		186 36'	"	8.3	-		-8.3		68.7		-328	-32	1763.893	359.839	
1111	660		185° 04'	"	9.5	84	-3.3	-12.8		64.2		-658	-46	1763.563	359.825	
1112	990		" "	"	9.7	84	-5.0	-14.7		62.3		-988	-68	1763.233	359.803	
1113	1320		184 57'	"	8.1	84	-6.6	-14.7		62.3		-1317	-89	1762.904	359.782	
1114	1482		184° 24 46"	"	7.2	84	-7.4	-14.6		62.4	TP	-1480	-86	1762.741	359.785	y = 1762.685 x 359.760 T-Inter. EL. 620
1115	1650		184° 51'	-1.1°	6.0	84	-8.3	-14.3		62.7		-1646	-108	1762.575	359.763	
1116	1980		" "	"	10.4	-		-10.4		66.6		-1976	-130	1762.245	359.741	
1117	2310		184 47'	"	7.1	-		-7.1		69.9		-2305	-148	1761.916	359.723	
1118	2640		184° 45'	"	6.0	-		-6.0		71.0		-2635	-168	1761.586	359.703	
1119	2970		" "	"	5.3	-		-5.3		71.7		-2964	-189	1761.257	359.682	
1120	3300		" "	"	4.0	-		-4.0		73.0		-3293	-210	1760.928	359.661	
1120	3628		184 42 23	"	4.2	-		-4.2			TP	-3621	-228	1760.601	359.641	
	1120				3.8	-		-3.8	4.03	73.0	TP	"	"			
	4619		4 25 15	-1.1°	11.9	89 40'	-26.9	-15.0	58.0		BS	-4611	-268			
	4619				11.6	70 20'	-26.9	-15.3			BS	"	"			
1121	4290		4° 25'	"	13.1	89 40'	+25.0	+11.9		69.9		+4283	+248	1760.275	359.619	
1122	3960		" "	"	7.9	89 40'	+23.0	+15.1		73.1		+3953	+229	1759.945	359.600	
1123	3630		" "	"	7.1	89 36'	+25.3	+18.2		76.2		+3624	+210	1759.616	359.581	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1.9.84		B. Cotcamp		W. Greenfield		6834		C.J.		2		74				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
FLORIDA		Romeo - 7 1/2'		FLA.		MARION								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									58.0							
1124	3300		4° 25'	-1.1°	9.1	89° 40'	+19.2	+10.1		68.1		+3294	+191	1759286	359.562	
1125	2970		" "	" "	11.9	89° 40'	+17.3	+5.4		63.4		+2965	+172	1758957	359.543	
1126	2640		" "	" "	6.7	89° 50'	+7.7	+1.0		59.0		+2636	+153	1758628	359.524	
1127	2310		" "	" "	6.8	89° 50'	+6.7	-0.1		57.9		+2306	+134	1758298	359.505	
1128	1980		4° 25'	-1.1°	7.6	89° 50'	+5.8	-1.8		56.2		+1977	+115	1757969	359.486	
1129	1650		" "	" "	8.1	89° 50'	+4.8	-3.2		54.8		+1647	+95	1757639	359.466	
1130	1320		" "	" "	7.1	89° 50'	+3.8	-3.3		54.7		+1318	+76	1757310	359.447	
1131	990		" "	" "	6.2	89° 50'	+2.9	-3.3		54.7		+988	+57	1756980	359.428	
1132	660		" "	" "	9.1	89° 30'	+5.8	-3.3		54.7		+659	+38	1756651	359.409	
1133	330		" "	" "	6.1	89° 30'	+2.9	-3.2		54.8		+329	+19	1756321	359.390	
1134	130		11° 43' 42"	-1.1°	4.6	89° 30'	+1.1	-3.5		54.5	11	+128	+24	1756120	359.395	1756.100 x 359.380 T-Inter. EL. 54.0
1135	0				5.2	-		-5.2		52.8	π	0	0	1755992	359.371	
1135	330		184° 27'	" "	10.6	89° 30'	+2.9	-7.7		50.3		-329	-19	1755663	359.352	
1136	660		" "	" "	11.3	89° 40'	+3.8	-7.5		50.5		-659	-39	1755333	359.332	
1137	990		" "	" "	9.1	89° 40'	+5.8	-3.3		54.7		-988	-58	1755004	359.313	
1138	1320		" "	" "	6.5	89° 30'	+11.5	+5.0		63.0		-1318	-77	1754674	359.294	
1139	1650		184° 27'	-1.1°	8.2	89° 30'	+14.4	+6.2		64.2		-1647	-96	1754345	359.275	
1140	1980		" "	" "	12.3	89° 30'	+17.3	+5.0		63.0		-1977	-116	1754015	359.255	
1141	2310		" "	" "	9.3	89° 40'	+13.4	+4.1		62.1		-2306	-135	1753686	359.236	
1142	2640		" "	" "	11.9	89° 40'	+15.4	+3.5		61.5		-2635	-154	1753357	359.217	

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1.9.84		B. Cotcamp		W. Greenfield		6834		C.Y. B.C.		2		75			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Romeo - 7 1/2'		FLA.		MARION								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									58.0						
1143	2970		184° 26'	-1.1	12.7	89° 40'	+17.3	+4.6		62.6		-2965	-173	1753027	359,198
1144	3300		" "	" "	8.3	89° 40'	+19.2	+10.9		68.9		-3294	-192	1752698	359,179
1145	3630		" "	" "	4.1	89° 40'	+21.1	+17.0		75.0		-3624	-211	1752368	359,160
1146	3903		184° 11' 43"	" "	3.7	89° 40'	+22.7	+19.0		77.0	1146	-3897	-211	1752095	359,160
1146	3960		184° 26'	" "	4.6	89° 40'	+23.0	+18.4		76.4		-3953	-230	1752039	359,141
1147	4290		" "	" "	4.7	89° 40'	+25.0	+20.3		78.3		-4283	-249	1751709	359,122
1148	4620		" "	" "	12.3	89° 30'	+40.3	+28.0		86.0		-4612	-269	1751380	359,102
1149	4950		184° 29' 25"	-1.1	11.6	89° 30'	+43.2	+31.6			TP	-4941	-293	1751052	359,077
1149	4950				10.7	270° 30'	+43.2	+32.5	+32.13	90.1	TP				
	2970		10° 29' 43"	-1.1	3.4	TH	-14.9	-11.5			BS	-2930	-485		
	2970				2.9	TH 270	-14.9	-12.0	+11.73	78.4	BS				
1150	2640		10° 30'	" "	13.0	89° 30'	+23.0	+10.0		88.4		+2607	+418	1750770	359,009
1151	2310		" "	" "	11.7	89° 30'	+20.2	+8.5		86.9		+2281	+365	1750404	358,956
1152	1980		" "	" "	10.2	89° 30'	+17.3	+7.1		85.5		+1955	+313	1750078	358,904
1153	1650		" "	" "	8.8	89° 30'	+14.4	+5.6		84.0		+1629	+261	1749752	358,852
1154	1320		10° 30'	-1.1	8.1	89° 30'	+11.5	+3.4		81.8		+1303	+209	1749426	358,800
1155	990		" "	" "	7.1	89° 30'	+8.6	+1.5		79.9		+978	+157	1749101	358,748
1156	660		" "	" "	6.1	89° 30'	+5.8	-0.3		78.1		+652	+104	1748775	358,695
1157	330		" "	" "	5.0	89° 30'	+2.9	-2.1		76.3		+326	+52	1748449	358,643
1158	0				5.2	-		-5.2		73.2	A	0	0	1748123	358,591

4.1752095 x 359,160
1146 F enter, EL. 77.0
HORIZ. 4" = 4'
CORRECT = 46'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
1.9.84		B. Cotcamp		W. Greenfield		6834		B.C.		2		76		
AREA		TOPO MAP		STATE		COUNTY		TWP		PPM		PARTY MANAGER		
FLORIDA		Romeo - 7 1/2'		FLA.		MARION						L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									78.4					
1159	330		190° 31'		7.1	-		-7.1		71.3		-326	-52	1747799 358,539
1160	660		" "		9.6	-		-9.6		68.8		-652	-105	1747471 358,486
1161	990		" "		10.7	-		-10.7		67.7		-977	-157	1747146 358,434
IF	1285		189° 48' 08"		10.7	-		-10.7		67.7	IF	-1271	-188	1746852 358,403 LG - 1746,800 x - 358,420 FT - Intersect EL. 67.0
1162	1320		190° 31'		11.0	-		-11.0		67.4		-1303	-209	1746820 358,382
1163	1650		" "		12.1	TH	+8.3	-3.8		74.6		-1629	-261	1746494 358,330
1164	1980		" "		8.1	TH	+9.9	+1.8		80.2		-1955	-314	1746168 358,277
1165	2310		" "		10.6	TH	+11.6	+1.0		79.4		-2281	-366	1745842 358,225
1166	2640		" "		12.1	TH	+13.2	+1.1		79.5		-2607	-418	1745516 358,173
1167	2970		190° 31'		8.0	89° 50'	+8.6	+0.6		79.0		-2932	-471	1745191 358,120
1168	3300		" "		10.1	89° 50'	+9.6	-0.5		77.9		-3258	-523	1744865 358,068
1169	3629		190° 30' 47"	-1.4	12.8	89° 50'	+10.6	-2.2			TP	-3583	-575	1744541 358,015
1169	3629				12.3	270° 10'	+10.6	-1.7	203	76.4	TP	"	"	
	3299		10° 54' 49"	" "	11.3	89° 30'	-28.8	-17.5	58.7		BS	-3254	-545	
	3299		" "	" "	10.8	270° 30'	-28.8	-18.0	117.3		BS	"	"	
1170	2970		10° 49'	-1.4	6.3	89° 36'	+20.7	+14.4		73.1		+2930	+486	1744218 357,955
1171	2640		" "	" "	9.0	89° 36'	+18.4	+9.4		68.1		+2604	+432	1743892 357,901
1172	2310		" "	" "	7.0	89° 50'	+6.7	-0.3		58.4		+2279	+378	1743567 357,847
1173	1980		" "	" "	6.4	89° 50'	+5.8	-0.6		58.1		+1953	+324	1743241 357,793
1174	1650		" "	" "	13.3	89° 50'	+4.8	-8.5		50.2		+1628	+270	1742916 357,739

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1.9.84		B. Cotcamp		W. Greenfield		6834		C.J.		2		77				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
FLORIDA		Romeo, Dunnellon-7 1/2		FLA.		MARION								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									58.7							
1175	1320		11 14	-1.4	8.6	89° 50'	+3.8	-4.8		53.9		+1301	+225	1742.509	357.694	↑
1176	990		" "	" "	9.1	89° 50'	+2.9	-6.2		52.5		+975	+169	1742.263	357.438	Romeo - 7 1/2
1177	660		" "	" "	8.8	89° 50'	+1.9	-6.9		51.8		+650	+113	1741.938	357.582	Dunnellon - 7 1/2
1178	330		12° 49'	" "	6.3	89° 30'	+2.9	-3.4		55.3		+323	+65	1741.611	357.534	
Δ	475		21 09	" "	2.8	89° 20'	+5.5	+2.7		61.4	Δ	+447	+161	1741.735	357.630	u.s.c. + 6.5 Bm #1 no 84-22 Resel
1179	0				5.2	-		-5.2		53.5	X	0	0	1741.288	357.469	
1180	330		193 55	-1.4	7.1	89° 40'	+1.9	-5.2		53.5		-322	-72	1740.966	357.397	
1181	660		" "	" "	7.2	89° 40'	+3.8	-3.4		55.3		-644	-143	1740.644	357.326	
1182	990		" "	" "	7.8	89° 40'	+5.8	-2.0		56.7		-966	-215	1740.322	357.254	
1183	1320		" "	" "	8.5	89° 40'	+7.7	-0.8		57.9		-1289	-286	1739.999	357.183	
1184	1650		" "	" "	7.1	89° 30'	+14.4	+7.3		66.0		-1611	-358	1739.677	357.111	
1185	1980		193 39	-1.4	5.1	89° 36'	+17.3	+12.2		70.9		-1935	-420	1739.353	357.049	
1186	2310		193° 18'	" "	7.9	89° 30'	+20.2	+12.3		71.0		-2260	-476	1739.029	356.993	
1187	2640		192° 57'	" "	8.1	89° 30'	+23.0	+14.9		73.6		-2587	-529	1738.701	356.940	
1188	2969		192° 38 14	" "	10.2	89° 36'	+20.7	+10.5		69.4	TP	-2912	-579	1738.377	356.889	
1188	2969				9.7	270 24	+20.7	+11.0	110.3		TP	+1	-			
	2309		10 41 42	-1.4	11.1	-		+11.1			BS	-2279	-373			
	2309				+10.8	270 -		+10.8	110.3 80-4		BS		-			
1189	1980		10 42	" "	10.1	90° 20'	-11.5	-21.6		58.8		+1954	+326	1738.052	356.8	
1190	1650		" "	" "	12.7	90° 30'	-14.4	-27.1		53.3		+1628	+267	1737.726	356.784	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
1-11-84		B. Costamp		W. Greenfield		6834		C.S. B.C.		2	78						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
FLORIDA		Dunnellon - 7 1/2'	FLA.	MARION				L.O. Davis									
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									80.4								
118	1374		11° 19' 59"	-1.4	12.4	90° 30'	-12.0	-24.4		56.0	11	+1353	+237	1737,451	356,752	y -1,137,445 x -356,800 11 T-enter. EL. 56.0	
1191	1320		10° 42'	--	12.3	90° 30'	-11.5	-23.8		56.6		+1303	+213	1737,401	356,728		
1192	990		" "	--	9.7	90° 30'	-8.6	-18.3		62.1		+977	+160	1737,075	356,675		
1193	660		" "	--	5.8	90° 30'	-5.8	-11.6		68.8		+651	+107	1736,749	356,622		
1194	330		" "	--	8.8	89° 10'	+4.8	-4.0		76.4		+326	+53	1736,424	356,568		
1195	0				5.2	-		-5.2		75.2	11	0	0	1736,098	356,515		
1196	330		190° 42'	-1.4	8.0	-		-8.0		72.4		-326	-53	1735,772	356,462		
1197	660		" "	--	11.3	84	-3.3	-14.6		65.8		-651	-107	1735,441	356,408		
1198	990		" "	--	10.3	90° 40'	-11.5	-21.8		58.6		-977	-160	1735,221	356,355		
1199	1320		" "	--	10.8	90° 40'	-15.4	-26.2		54.2		-1303	-213	1734,795	356,302		
1200	1650		" "	--	10.8	90° 40'	-19.2	-30.0		50.4		-1628	-267	1734,470	356,248		
11	1674		190° 05' 49"	-1.4	9.8	90° 40'	-19.5	-29.3		51.1	11	-1655	-253	1734,463	356,262	y 1,734,395 x -356,265 11 T-enter.	
1201	1980		190° 42'	--	11.4	90° 30'	-17.3	-28.7		51.7		-1954	-320	1734,144	356,195		
1202	2310		" "	--	7.3	90° 30'	-20.2	-27.5		52.9		-2280	-373	1733,818	356,142		
1203	2640		" "	--	12.2	90° 20'	-15.4	-27.6		52.8		-2605	-427	1733,493	356,088		
1204	2970		" "	--	2.8	90° 20'	-17.3	-20.1		60.3		-2931	-480	1733,167	356,035		
1205	3300		" "	--	13.4	-		-13.4		67.0		-3257	-533	1732,841	355,982		
1206	3630		" "	--	7.8	-		-7.8		72.6		-3582	-587	1732,516	355,928		
1207	3960		190° 42'	--	8.1	89° 50'	+11.5	+3.4		83.8		-3908	-640	1732,190	355,875		
1208	4290		" "	--	12.1	89° 40'	+25.0	+12.9		93.3		-4234	-693	1731,864	355,822		

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-11-84		B. Cotcamp		W. Greenfield		6834		KUG C.J.		2		79			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Dunnellon - 7 1/2'		FLORIDA		MARION								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									80.4						
1209	420		190° 24'	-1.4°	7.8	89° 40'	+26.8	+19.0		99.4		-4563	-723	1731535	355.792
1210	4957		190° 03' 17"	"	7.2	89° 40'	+28.8	+21.6		101.8	TP	-4900	-746	1731198	355.768
1210	4957				7.5	270° 20'	+28.8	+21.3	+21.43		TP				
	2968		5° 51' 43"	-1.4°	+14.8	90° 04' 30"	+3.9	+18.7			BS	-2959	-231		
	2968				+14.8	208° 05' 30"	+3.9	+18.7	-120.5		BS				
1211	2640		5° 41'	"	7.3	90° 16'	-12.3	-19.6		100.9		+2633	+197	1730872	355.733
1212	2310		"	"	10.4	90° 20'	-13.4	-23.8		96.7		+2304	+173	1730543	355.709
1213	1980		"	"	10.9	90° 34'	-19.6	-30.5		90.0		+1974	+148	1730186	355.684
1214	1650		"	"	7.1	90° 34'	-16.3	-23.4		97.1		+1645	+123	1729884	355.659
1215	1320		5° 41'	-1.4°	9.2	90° 20'	-7.7	-16.9		103.6		+1316	+99	1729555	355.635
1216	990		"	"	11.0	-		-11.0		109.5		+987	+74	1729226	355.610
1217	660		"	"	7.4	-		-7.4		113.1		+658	+49	1728897	355.585
1218	330		"	"	5.3	-		-5.3		115.2		+329	+25	1728568	355.561
1219	0				5.2	-		-5.2		115.3	TP	0	0	1728239	355.536
1220	330		185° 18'	-1.4°	8.9	-		-8.9		111.6		-329	-22	1727910	355.514
1221	660		"	"	11.6	90° 50'	-9.6	-21.2		99.3		-658	-45	1727581	355.491
1222	990		"	"	12.7	90° 50'	-14.4	-27.1		93.4		-988	-67	1727251	355.469
1223	1320		"	"	12.5	90° 50'	-19.2	-31.7		88.8		-1317	-90	1726923	355.446
1224	1650		"	"	4.5	90° 50'	-24.0	-28.5		92.0		-1646	-112	1726593	355.424
1225	1980		"	"	7.2	90° 20'	-11.5	-18.7		101.8		-1975	-135	1726264	355.401

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-11-84		B. Cotcamp		W. Greenfield		6834		C.J. B.C.		2		80			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
FLORIDA		Dunnellon - 7 1/2'		FLA.		MARION								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									120.5						
1226	2309		185° 15' 58"	-1.4	6.8	90° 20'	-13.4	-20.2			TP	-2304	-156	1725,935	355,380
1226	2309				6.9	269° 46'	-13.4	-20.3		100.2	TP				
	2639		5° 58' 52"	" "	8.6	89° 10'	-38.4	-29.8			BS	-2630	-211		
	2639				8.5	270° 50'	38.4	-29.9		70.3	BS				
1227	2310		5° 55'	" "	9.8	89° 10'	+33.6	+23.8		94.1		+2303	+182	1725,608	355,351
1228	1980		" "	" "	11.1	89° 10'	+28.8	+17.7		88.0		+1974	+156	1725,279	355,325
IF	1863		6° 35' 02"	" "	10.3	89° 10'	+27.1	+16.8		87.1	IF	+1855	+168	1725,160	355,337
1229	1650		5° 55'	-1.4	9.2	89° 10'	+24.0	+14.8		85.1		+1645	+130	1724,950	355,299
1230	1320		5° 55'	" "	9.0	88° 54'	+25.3	+16.3		86.6		+1316	+104	1724,621	355,273
1231	990		" "	" "	9.8	88° 40'	+23.0	+13.2		83.5		+987	+78	1724,292	355,247
1232	660		" "	" "	8.9	88° 40'	+15.4	+6.5		76.8		+658	+52	1723,963	355,221
1233	330		" "	" "	8.7	88° 40'	+7.7	-1.0		69.3		+329	+26	1723,634	355,195
1234	0				5.2	-		-5.2		65.1	π	0	0	1723,305	355,169
1235	330		184° 28'	-1.4	12.2	88° 40'	+7.7	-4.5		65.8		-330	-18	1722,975	355,151
1236	660		" "	" "	8.4	88° 50'	+13.4	+5.0		75.3		-659	-35	1722,646	355,134
1237	990		184° 30' 41"	" "	5.9	88° 50'	+20.2	+14.3		84.6	TP	-988	-54	1722,317	355,115
1237	990				8.7	88° 40'	+23.0	+14.3			TP				
	1319		5° 43' 02"	" "	7.0	88° 30'	-34.5	-27.5			BS	-1315	-99		
	1319				6.9	271° 30'	-34.5	-27.6		57.0	BS				

y = 1.725,195 x - 355,350
IF - INTERSECT EL. 87.0

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
1-11-84		B. Cotcamp		W. Greenfield		6834		XWY C.J.		2	81					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
FLORIDA		Dunnellon - 7 1/2'	FLA.	MARION					L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									57.0							
1238	990		S° 43'	-1.4°	5.8	88° 30'	+25.9	+20.1		77.1		+987	+75	1721989	355.091	
1239	660		" "	" "	5.6	89° -	+11.5	+5.9		62.9		+658	+50	1721660	355.066	
1240	330		" "	" "	8.2	89° -	+5.8	-2.4		54.6		+329	+25	1721331	355.041	
1241	0				5.2	-		-5.2		51.8	TP	0	0	1721002	355.016	
1241	99		177° 05' 53"	-1.4°	3.8	89° 52'	+0.2	3.6		53.4	12	-99	+7	1720903	355.023	3-1720,890 K-355,020 12 T-Inter.
1241	202		181° 32' 52"	" "	1.8	-		-1.8		55.2	11	-202	-1	1720800	355.015	3-1720,800 X-355,015 11 T-Inter. CL 55.0
1242	330		185° 28'	" "	3.8	89° 20'	+3.8	+0.0		57.0		-329	-23	1720673	354.973	HORIZ 3-+5' CORR. * -8'
1243	660		" "	" "	7.3	89° 20'	+7.7	+0.4		57.4		-658	-47	1720344	354.969	
1244	990		" "	" "	11.8	89° 20'	+11.5	-0.3		56.7		-988	-70	1720014	354.946	
1245	1320		" "	" "	12.4	89° 20'	+15.4	+3.0		60.0		-1317	-94	1719685	354.922	E.O.L. Line #2
1246	1650		" "	" "	4.9	89° 40'	+9.6	+4.7		61.7	TP	-1646	-117	1719353	354.899	* STATION WAS A SKIP