

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 3-31-84	INSTRUMENT MAN R. Trowbridge	ROD MAN B. Cotcampo	PARTY NUMBER 6834	NOTES CHECKED BY B.C.	LINE NO. 14	PAGE 1
AREA GEORGIA	TOPO MAP Andersonville - 7 1/2'	STATE G.A.	COUNTY Sumter	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
										469.0					Y=777,110 X=485,400
BRR x-imp	2877		181°09'01"	-0.8°	5.4	B.H.	+14.4	+19.8			BS	+2877	+18		
	"		"		11.3	90°10"	+8.4	+19.7	488.7		BS				
1	2639		180°48'	--	11.9	90°10'	-7.7	-19.6		469.1		-2639	± 0	777,348	485,418
2	2310		"	--	12.1	90°10'	-6.7	-18.8		469.9		-2310	± 0	777,677	485,418
3	1980		"	--	10.8	90°10'	-5.8	-16.6		472.1		-1980	± 0	778,007	485,418
4	1650		"	--	8.2	90°10'	-4.8	-13.0		475.7		-1650	± 0	778,337	485,418
5	1320		180°48'	-0.8°	6.1	90°10'	-3.8	-9.9		478.8		-1320	± 0	778,667	485,418
6	990		"	--	7.0	90°		-7.0		481.7		-990	± 0	778,997	485,418
7	660		"	--	8.2	T.H.	+3.3	-4.9		483.8		-660	± 0	779,327	485,418
8	330		"	--	6.0	89°50'	+1.0	-5.0		483.7		-330	± 0	779,657	485,418
9	0		—		5.2	—		-5.2		483.5	X	0	0	779,987	485,418
10	330		001°02'	-0.8°	4.8	90°		-4.8		483.9		+330	+1	780,317	485,419
11	660		"	--	8.1	89°40'	+3.8	-4.3		484.4		+660	+3	780,647	485,421
12	990		"	--	8.8	89°40'	+5.8	-3.0		485.7		+990	+4	780,977	485,422
13	1320		"	--	9.1	89°40'	+7.7	-1.4		487.3		+1320	+5	781,307	485,423
14	1650		"	--	9.0	89°40'	+9.6	+0.6		489.3		+1650	+7	781,637	485,425
15	1980		001°02'	-0.8°	8.5	89°40'	+11.5	+3.0		491.7		+1980	+8	781,967	485,426
11 Δ	2108		000°44'35"	--	8.0	89°40'	+12.3	+4.3		493.0	Δ	+2108	-2	782,297	485,416
16	2310		001°02'	--	9.2	89°40'	+13.4	+4.2		492.9		+2310	+9	782,627	485,427
17	2640		"	--	10.9	89°40'	+15.4	+4.5		493.2		+2640	+11	782,957	485,429

Y=782,095 X=485,415
T-Intersect EL.493.0

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GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-31-84		R. Trowbridge		B. Cotcamp		6834		C.S. B.P.		14	2						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
Georgia		Andersonville 7 1/2	Georgia	Sumter - Schley				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 + TP	NORTH +	EAST +	COORDINATES		REMARKS	
												SOUTH -	WEST -	Y	X		
									488.7								
T.P. 18	2971		000°56'53"	-0.8	9.7	T.H.	+14.9	+5.2	488.7	493.8	T.P.	+2971	+8	782.958	485.426		
T.P.	"		"	--	12.3	89°40'	+17.3	+5.0			T.P.						
B.S.	2486		184°01'08"	--	+8.0	B.H.	+12.4	+20.4	514.2		B.S.	+2482	+140				
B.S.	"		"	--	+13.2	90°10'	+7.2	+20.4			B.S.						
19	2156		184°01'	-0.8	7.8	90°20'	-12.5	-20.3		493.9		-2153	-121	783.289	485.445		
20	1826		"	--	9.0	90°20'	-10.6	-19.6		494.6		-1823	-102	783.617	485.464		
21	1496		"	--	9.9	90°20'	-8.7	-18.6		495.6		-1494	-84	783.946	485.482		
22	1166		"	--	9.8	90°20'	-6.8	-16.6		497.6		-1164	-65	784.276	485.501		
23	836		"	--	9.7	90°20'	-4.9	-14.6		499.6		-835	-47	784.605	485.519		
24	566		184°01'	-0.8	8.9	90°20'	-2.9	-11.8		502.4		-505	-28	784.935	485.538		
Co. Ln.	378		184°52'53"	--	10.9	90-		-10.9		503.3	+	-377	-27	785.063	485.539	Sumter co./SCHLEY co.	
25	175		183°01'	--	7.3	90-		-7.3		506.9		-175	-7	785.265	485.559		
+	-		-	-	-5.2	-		-5.2		509.0	+	0	0	785.440	485.566		
26	156		352°05'	-0.8	-5.8	89°-	+2.7	-3.1		511.1		+155	-21	785.595	485.545		
27	486		351°28'	--	7.7	89°40'	+2.8	-4.9		509.3		+480	-79	785.920	485.487		
28	816		351°02'	--	8.9	90°00'		-8.9		505.3		+804	-138	786.244	485.428		
29	1146		350°47'	--	11.2	90-		-11.2		503.0		+1129	-199	786.569	485.367		
30	1476		"	--	12.0	90-		-12.0		502.2		+1454	-257	786.894	485.309		
71 A	1603		350°26'54"	--	10.5	90-		-10.5		503.7	+	+1577	-288	787.017	485.278	71 - F.W.T. EL. 498.6	
31	1806		350°47'	--	10.1	90-		-10.1		504.1		+1778	-314	787.218	485.252		

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GEO-445

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-31-84		R. Trowbridge		B. Cotcamp		6834		C. J. B.C.		14		3			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Andersonville 7 1/2		Georgia		Schley								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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									514.2						
32	2136		350°47'	-0.8°	8.6	90-		-8.6		505.6		+2103	-372	787.543	485,194
33	2465		351°08'	--	11.5	90-		-11.5		502.7		+2430	-414	787.870	485,152
T.P. 34	2797		351°14'05"	--	-7.4	90°10'	-8.1	-15.5	-15.3	498.9	T.P.	+2758	-465	788.198	485,101
	"		"		-13.5	90°02"	-1.6	-15.1		T.P.					
B.S	1323		187°16'42'	-0.8	+3.3	88°30'	-34.6	-31.3	467.6		BS	+1314	+149		
	"		"		+3.3	29°30'	-34.6	-31.3		BS					
35	991		187°25'	--	8.0	88°10'	+31.7	+23.7		491.3		-984	-114	788.528	485,136
36	660		"	--	7.8	88°00'	+23.0	+15.2		482.8		-656	-76	788.856	485,174
37	330		"	--	6.6	87°50'	+12.5	+5.9		473.5		-328	-38	789.184	485,212
38	0		-		-5.2	-		-5.2		462.4	π	0	0	789.512	485,250
39	330		15°49'	-0.8°	12.2	89°40'	+1.9	-10.3		457.3		+319	+86	789.831	485,336
T.P.	572		17°06'03"	--	9.1	90-		-9.1	}	458.5	T.P.	+549	+161	790.061	485,411
	"				9.0	290-		-9.0		T.P.					
B.S	2402		209°09'45"	-0.8	+10.2	T.H.	-12.0	-1.8	}		BS	+2114	+1141		
	"				+10.1	270TH	-12.0	-1.9		456.6	BS				
40	2312		208°34'	--	11.4	89°40'	+13.5	+2.1		458.7		-2046	-1077	790.129	485,475
41	1982		"	--	8.5	90°10'	-5.8	-14.3		442.3		-1754	-923	790.421	485,629
42	1651		"	--	9.1	90°36'	-26.9	-36.0		420.6		-1461	-769	790.714	485,783
43	1320		"	--	10.1	91°56'	-44.5	-54.6		402.0		-1168	-615	791.007	485,937
Cr. X-ing	1115		209°08'24"	--	14.6	92°10'	-42.2	-56.8		399.8	#	-981	-529	791.194	486,023 #

5-791.50 x -486.020
creek crossing

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GEO-445

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DATE 3-31-84	INSTRUMENT MAN R. Trowbridge	ROD MAN B. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY C.S. R.T.	LINE NO. 14	PAGE 4
AREA Georgia	TOPO MAP Andersonville - 7 1/2	STATE Georgia	COUNTY Schley	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			
									456.6									
44	990		208°34'	-0.8°	10.5	92°40'	-46.1	-56.6		400.0		-876	-461	791,299	486,091			
45	660		"	--	11.6	93°00'	-34.5	-46.1		410.5		-584	-307	791,591	486,245			
46	330		"	--	11.9	92°10'	-12.5	-24.4		432.2		-292	-154	791,883	486,398			
47	0		-		5.2			-5.2		451.4	X	0	0	792,175	486,552			
48	330		45°55'	-0.8°	6.7	89°30'	+14.4	+7.7		464.3		+233	+234	792,408	486,786			
49	660		45°15'	--	9.9	88°00'	+21.9	+12.0		468.6		+471	+462	792,646	487,014			
T.P.	790		44°32'42"	--	12.5	88°30'	+20.7	+8.2		464.8	TP	+571	+546	792,746	487,098			
	"				12.5	271°30'	+20.7	+8.2			TP							
BS	11.89		216°29'46"	-0.8°	15.8	T.H.	-5.9	-0.1			BS	+966	+694					
	"				15.7	270°T.H.	-5.9	-0.2	464.6		BS							
50	987		216°57'	--	6.5	90°		-6.5		458.1		-797	-582	792,915	487,210			
51	659		215°32'	--	7.9	T.H.	+3.3	-4.6		460.0		-542	-375	793,170	487,417			
IFA	645		216°18'20"	--	4.1	90°		-4.1		460.5	IF	-525	-375	793,187	487,417		9-193, 195 x 487, 460 1/2 y - ROAD EAST EL. 452.0	
52	330		212°20'	--	6.0	T.H.	+1.7	-4.3		460.3		-281	-173	793,431	487,619			
53	0		-		5.2			-5.2		459.4	X	0	0	793,712	487,912			
54	330		25°59'	-0.8°	8.8	88°30'	+8.6	-0.2		464.4		+299	+140	794,011	487,932			
55	660		25°26'	--	11.4	87°40'	+26.9	+15.5		480.1		+600	+275	794,312	488,067			
T.P. 56	989		23°29'23"	--	7.6	88°00'	+34.5	+26.9		491.5	TP	+912	+381	794,624	488,173			
"	"				7.5	272°00'	+34.5	+27.0			TP							

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GEO-445

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3-31-84		R. Trowbridge		B. Cotcamp		6834		G. J., R. T.		14		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Andersonville - 7 1/2'		Georgia		Schley								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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									491.5						
B.S.	1979		192°09'32"	-0.8°	+3.4	90°12'	+6.9	+20.3	511.9		BS	+1940	+390		
	"				+3.6	269°48'	+6.9	+20.5	+20.4		BS				
57	1656		191°58'	--	12.6	90°16'	-7.7	-20.3		491.6		-1619	-320	794.945	488,243
58	1320		191°33'	--	7.3	90°16'	-6.1	-13.4		498.5		-1297	-246	795.267	488,317
59	990		190°54'	--	6.7	90-		-6.7		505.2		-975	-174	795.589	488,389
60	660		"	--	8.1	T.H.	+3.3	-4.8		507.1		-650	-116	795.914	488,447
±± Δ	384		193°28'	-0.8°	6.4	90-		-6.4		505.5	±±	-375	-84	796.189	488,479
61	330		"	--	6.4	90-		-6.4		505.5		-322	-72	796.242	488,491
62	-		-		-5.2			-5.2		506.7	π	0	0	796.564	488,563
63	330		17°15'	-0.8°	8.3	90-		-8.3		503.6		+316	+93	796.880	488,656
64	660		"	--	9.6	B.H.	-3.3	-12.9		499.0		+633	+187	797.197	488,750
65	990		17°30'	--	9.1	B.H.	-5.0	-14.1		497.8		+948	+284	797.512	488,847
66	1320		17°50'	--	6.3	B.H.	-6.6	-12.9		499.0		+1262	+387	797.826	488,950
67	1656		17°31'	--	7.3	B.H.	-8.3	-15.6		496.3		+1579	+477	798.143	489,040
T.P. 68	1980		17°17'19"	--	11.2	90°20'	-11.5	-22.7			T.P.	+1899	+562	798.463	489,125
"	"				11.3	269°46'	-11.5	-22.8		489.1	T.P.				
B.S.	3297		184°25'31"	-1.0°	11.6	89°30'	-28.8	-17.8			BS	+3291	+197		
"	"				13.0	89°26'	-30.7	-17.7	471.3		BS				
69	2969		183°58'	--	7.1	89°40'	+17.3	+10.2		481.5		-2965	-154	798.789	489,168
70	2640		183°42'	--	6.0	89°50'	+7.7	+1.7		473.0		-2637	-124	799.117	489,198

±± - 796.195 X - 488.505
±± 4 way Int. EL. 505.0

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GEO-445

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DATE	3-31-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	C.J. R.T.	LINE NO.	14	PAGE	6
AREA	Georgia	TOPO MAP	Andersonville	STATE	Georgia	COUNTY	Schley	TWP		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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									471.3					
71A	2655		183°56'42"	-1.0	5.5	89°30'	+7.7	+2.2		473.5	71	-2651	-136	799,103 489,186
71	2310		183°30'	--	8.0	90°-		-8.0		463.3		-2308	-101	799,446 489,221
72	1980		183°04'	--	10.3	90°10'	-5.8	-16.1		455.2		-1979	-71	799,775 489,251
73	1650		182°30'	--	10.8	90°20'	-9.6	-20.4		450.9		-1649	-43	800,105 489,279
74	1320		181°55'	-1.0	11.0	90°30'	-11.5	-22.5		448.8		-1320	-21	800,434 489,301
75	990		"	--	11.9	90°40'	-11.5	-23.4		447.9		-990	-16	800,764 489,306
76	660		"	--	10.8	90°40'	-7.7	-18.5		452.8		-660	-11	801,094 489,311
77	330		"	--	6.6	90°40'	-3.8	-10.4		460.9		-330	-5	801,424 489,317
78	0		—		-5.2			-5.2		466.1	T	0	0	801,754 489,322
79	330		01°06'	-1.0	5.6	89°30'	+3.8	-1.8		469.5		+330	+1	802,084 489,323
80	660		"	--	10.7	89°20'	+7.7	-3.0		468.3		+660	+1	802,414 489,323
81	990		"	--	7.9	90°-		7.9		463.4		+990	+2	802,744 489,324
T.P. 82	1320		01°06'39"	--	10.8	90°-		-10.8		460.5	T.P.	+1320	+3	803,074 489,325
T.P.	"				10.7	270°-		-10.7			T.P.			
B.S.	1320		181°24'51"	-1.0	4.0	T.H.	-6.6	-2.6	457.7		B.S.	+1320	+10	
"	"				3.7	270°T.H.	-6.6	-2.9	2.8		B.S.			
83	990		181°25'	--	6.6	T.H.	+5.0	-1.6		456.1		-990	-7	803,404 489,328
84	660		"	--	9.1	T.H.	+3.3	-5.8		451.9		-660	-5	803,734 489,330
85	330		"	--	7.1	90°-		-7.1		450.6		-330	-2	804,064 489,333
86	0		—		5.2			-5.2		452.5	T	0	0	804,394 489,335

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3-31-84		R. Trowbridge		B. Cotcamp		6834		C.Y. RT.		14		7			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Andersonville 7 1/2		Georgia		Schley								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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									457.7						
87	330		01-11	-1.0	6.9	88°40'	+7.7	+0.8		458.5		+330	+1	804.724	489.336
88	660		"	--	6.1	88°20'	+19.2	+13.1		470.8		+660	+2	805.054	489.337
≠	738		00°23'52"	--	4.3	88°20'	+21.5	+17.2		474.9	≠	+738	-8	805.132	489.327
89	990		01-11	--	7.3	88°20'	+28.8	+21.5		479.2		+990	+3	805.384	489.338
90	1320		"	--	8.7	88°20'	+38.4	+29.7		487.4		+1320	+4	805.714	489.351
T.P.	1503		00°32'14"	--	10.2	88°36'	+36.7	+26.5		484.2	T.P.	+1503	-12	805.897	489.323
"	"				10.1	271°24'	+36.7	+26.6			T.P.				
BS	899		182°52'03"	-1.0	+8.7	90-		+8.7	492.9		BS	+899	+29		
					+13.2	T.H.	-4.5	+8.7			BS				
91	753		181°55'	--	12.4	90-		-12.4		480.5		-753	-12	806.043	489.340
92	423		182°25'	--	9.6	90-		-9.6		483.3		-423	-10	806.373	489.342
93	94		172°06'	--	7.3	90-		-7.3		485.6		-93	+15	806.703	489.367
94	243				9.8	90-									
π	-		-		-5.2	-		-5.2		487.9	π	0	0	806.796	489.352
94	243		24°23'	-1.0	9.8	90-		-9.8		483.1		+223	+96	807.019	489.448
95	573		23°38'	--	10.1	90-		-10.1		482.8		+529	+221	807.325	489.573
T.P. 96	903		24°02'05"	--	13.4	90°30'	-7.9	-21.3		471.6	TP	+831	+353	807.627	489.765
"					13.5	269°30'	-7.9	-21.4			TP				

y = 805.130 x = 489.325
at 4 way Int. El. 474.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
4-2-84		R. Trowbridge		B. Cotcamp		6834		C.Y. R.T.		14	8			
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER						
Georgia		Andersonville 7 1/2	Georgia	Schley-Macon				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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
BS	1319		198°14'22"	-1.0	4.3	88°20'	-38.3	-34.0	437.6		BS	+1259'	+391'	
"	"				4.4	271°40'	-38.3	-33.9			BS			
HI A	1105		198°04'55'	--	5.2	88°20'	+32.1	+26.9		464.5	HI	-1056	-324	807830 489,772
97	990		197°58'	--	5.8	88°20'	+28.8	+23.0		460.6		-947	-289	807939 489,807
98	660		"	--	8.4	88°20'	+19.2	+10.8		448.4		-631	-193	808255 489,903
99	330		198°38'	--	9.8	88°20'	+9.6	-0.2		437.4		-314	-100	808572 489,996
100	0		—		8.2	—	—	-5.2		432.4	A	0	0	808886 490,096
101	330		350°35'	-1.0	7.2	90°-		-7.2		430.4		+325	-60	809211 490,036
T.P.	376		347°14'04"	--	7.8	90°-		-7.8		429.8	T.P.	+365'	-89'	809251 490,007
"					9.6	T.H.	+1.9	-7.7			T.P.			
BS	856		155°06'18"	--	9.2	90°-		+9.2	4390		BS	+500'	-243'	
"					11.9	T.H.	-2.8	+9.1			B.S			
102	279		154°16'	--	6.5	90°-		-6.5		432.5		-249	+126	809502 489,890
A	—				5.2	—		-5.2		433.8	A	0	0	809751 489,764 Set up off Parcel
103	55		02°38'	-1.0	4.9	90°-		-4.9		434.1		+55	+2	809806 489,766
104	385		"	--	5.3	T.H.	+1.9	-3.4		435.6		+385	+11	810136 489,775
105	715		"	--	12.5	90°-		-12.5		426.5		+715	+20	810466 489,784
T.P.	828		357°03'05"	--	14.8	90°20'	-4.8	-19.6		419.4	TP	+826'	-57'	810577 489,707
"			"	--	14.8	269°40'	-4.8	-19.6			TP			

Y=807,885 X=489,770
T-Inter. E.L. 463.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
4-2-84		R. Trowbridge		B. Cotcamp		6834		C.J., R.T.		14	9				
AREA		TOPO MAP		STATE		COUNTY		TWP		PARTY MANAGER					
Georgia		Andersenville 7 1/2		Georgia		Macon				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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
B.S.	1063		167°58'06"	-1.0°	+3.6	89°20'	-49.4	-45.8	373.6		BS	+1035 ^v	-239 ^v		
"					+3.6	272°40'	-49.4	-45.8			BS	-1			
106	847		167°00'	"	7.0	89°20'	+39.4	+32.4		406.0		-822	+205	810,789	489,673
107	517		165°30'	"	7.0	88°0'	+18.0	+11.0		384.6		-498	+138	811,113	489,606
108	190		159°01'	"	7.3	88-0	+6.6	-0.7		372.9		-176	+71	811,435	489,539
π	-	-	-	-	5.2	-		-5.2		368.4	π	0	0	811,611	489,468
109	141		327-25'	-1.0°	8.8	91-0	-2.5	-11.3		362.3		+117	-78	811,728	489,390
110	471		320-25	"	12.5	91-0	-8.2	-20.7		352.9		+358	-306	811,916	489,162
111	801		319-48	"	6.0	91-0	-14.0	-20.0		353.6		+603	-528	812,214	488,940
Cr. X-ing	736		319°42'58"	"	7.2	91-0	-12.8	-20.0		353.6	#	+553	-486	812,164	488,982 # creek crossing
112	1131		320°19'	"	12.2	90-20	-6.6	-18.8		354.8		+858	-737	812,469	488,731
T.P.	1344		321°36'08"	"	11.4	90-		-11.4		362.2	T.P.	+1039 ^v	-853 ^v	812,647	488,615 T.P.
"					4.7	B.H.		-6.7	-11.4		T.P.	-3			
BS	1496		159°09'21"	-1.0°	+13.6	91°40'	+43.5	+57.2	419.4		BS	+1388 ^v	-556 ^v		13.7
B.S.			158°44'		+13.6	268°20'	+43.5	+57.1			BS	-4			
113	1382		158°44'	"	12.9	91°30'	-36.2	-49.1		370.3		-1279	+524	812,752	488,583
114	1052		"	"	10.3	91°30'	-27.5	-37.8		381.6		-974	+399	813,057	488,458
115	723		"	"	9.7	91°30'	-18.9	-28.0		397.4		-669	+274	813,362	488,333
116	393		"	"	9.7	90°50"	-5.7	-15.4		404.0		-364	+149	813,667	488,208
117	64		145°42'	"	5.9	90-		-5.9		413.5		-52	+37	813,979	488,096

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	4-1-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.	LINE NO.	14	PAGE	10
AREA	Georgia	TOPO MAP	Andersonville 1/2	STATE	Georgia	COUNTY	Macon	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	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
π	0				5.2	-		-5.2			π	0	0	814.031	488.059	
118	274		01-00	-1.0	11.8	87°20'	+12.7	+0.9		420.3		+274	±0	814.305	488.059	
119	604		"	--	8.0	88°50'	+12.3	+4.3		423.7		+604	±0	814.635	488.059	
120	934		"	--	8.9	88°50'	+19.0	+10.1		429.5		+934	±0	814.965	488.059	
121	1264		"	--	6.5	88°50'	+25.7	+19.2		438.6		+1264	±0	815.295	488.059	
T.P.	1434		359°52'-06"	--	4.8	88°50'	+29.2	+24.4		443.8	T.P.	+1433'	-28	815.462	488.031	
T.P.	"				4.7	87°10'	+29.2	+24.5			T.P.	-2				
BS	984		157°20'48"	-1.0	12.7	90°30'	+8.6	+21.3	465.0		BS	+901'	-395'			
BS			"		12.5	269°30'	+8.6	+21.1	+21.2		BS	-2				
122	829		152°10'	--	9.4	90°30'	-7.2	-16.6		448.4		-758	+335	815.603	487.971	
123	499		"	--	7.4	90°10'	-1.5	-8.9		456.1		-456	+202	815.905	487.838	
124	169		159°00'	--	7.6	89°00'	+2.9	-4.7		460.3		-157	+63	816.204	487.699	
π	0				7.0			-5.2		459.8	π	0	0	816.361	487.636	
125	167		02-32'	-1.0	7.0	89°00'	+2.9	-4.1		460.9		+167	+4	816.528	487.640	
126	997		02-05	--	5.8	89°40'	+2.9	-2.9		462.1		+497	+9	816.858	487.645	
11A	629		01°28'18"	--	2.0	90°00'		-2.0		463.0	11	+629	+5	816.990	487.641	11 - 817.000 X - 487.650 T-INTER. EL. 463.0
127	827		02-05	--	4.4	89°40'	+4.8	+0.4		465.4		+827	+16	817.118	487.652	
128	1157		"	--	7.7	89°30'	+10.1	+2.4		467.4		+1157	+22	817.518	487.658	
129	1487		"	--	10.0	89°46'	+6.1	-3.9		461.1		+1487	+28	817.848	487.654	Andersonville ↑
T.P.	1576		02-05	--	11.8	89°50'	+4.6	-7.2		457.9	T.P.	+1576'	+21'	817.936	487.657	Ideal South ↓
"	"		01°46'36"	--	11.6	270°10'	+4.6	-7.0	-8.13		T.P.	-1				

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
4-1-84		R. Trowbridge		B. Cotcamp		6834		C.J. R.T.		14	11				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Georgia		Ideal South	Georgia	Macon					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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
B.S.	1229		205°03'32"	-1.0	+0.7	89°20'	-14.3	-13.6	444.3		BS	+1122 ^v	+501 ^v		
					+0.6	278°40'	-14.3	-13.7			BS	-1			
130	982		204°40'	--	11.0	89°30'	+8.6	-2.4	441.9			-899	-394	818,158	487,764
131	659		200°56'	--	11.4	91°40'	-19.2	-30.6	413.7			-620	-225	818,437	487,993
Cr. X-ing	453		202°39'	--	10.4	93°40'	-28.9	-39.3	405.0		#	-420	-167	818,637	487,991 # creek crossing
132	330		202°56'	--	11.4	94°10'	-23.9	-35.3	409.0			-306	-123	818,751	488,035
133	0				5.2			-5.2	439.1		π	0	0	819,057	488,158
134	330		40°00'	-1.0	8.0	86°20'	+21.1	+13.1	457.4			+256	+208	819,313	488,366
135	660		41°40'	--	9.5	87°20'	+36.7	+21.2	465.5			+501	+430	819,558	488,588
T.P.	764		40°47'06"	--	12.0	87°20'	+35.5	+23.5	467.8 ^v		T.P.	+586 ^v	+488 ^v	819,642	488,646
"					11.9	272°40'	+35.5	+23.6			T.P.	-1			
B.S.	617		185°50'07"	-1.0	+13.9	90-		+13.9	481.7 ^v		BS	+619	+52 ^v		
"					+0.8	B.H.	+3.0	+13.9			BS	-1			
136	396		185°26'	--	9.0	90-		-9.0	472.7			-395	-31	819,861	488,667
IF Δ	327		186°52'	--	7.7	90-		-7.7	474.0		IF	-325	-33	819,931	488,665 IF Y-Inter. EL. 474.0
137	66		185°26'	--	7.3	87°40'	+2.7	-4.6	477.1			-66	-5	820,190	488,693
π	0				5.2	-		-5.2	476.5		π	0	0	820,256	488,698
138	272		331-55	-1.0	8.0	89°40'	+1.6	-6.4	475.3			+238	-132	820,494	488,566
139	602		330-06	--	9.1	89°40'	+3.5	-5.6	476.1			+517	-309	820,773	488,389
140	932		328-50	--	11.0	89°40'	+5.4	-5.6	476.1			+789	-496	821,045	488,202

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-1-84		R. Trowbridge		B. Cotcamp		6834		CJ R.T.		74		12			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		IDMAC South - 7 1/2		Georgia		Macon								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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									481.7						
141	1260		328-20	-1.0	11.1	89°30'	+11.0	-0.1		481.6		+1061	-680	821,317	488,018
T.P. 142	1590		331-09-55	-1.3	1.2	89°50'	+4.6	+3.4		485.2	T.P.	+1375	-798 ^v	821,630	487,900
	"				1.0	270°10'	+4.6	+3.6	+3.5 ^z		T.P.	-			
BS	1099		148°41'54"	"	+4.5	89°00'	-19.2	-14.7	470.4 ^v		BS	+926	-592 ^v		
	"				+4.3	270°00'	-19.2	-14.9	-14.8 ^z		BS	-			
143	769		148°34'	-1.3	7.4	88°40'	+17.9	+10.5		480.9		-647	+416	821,908	487,724
144	439		"	"	6.6	88°40'	+10.2	+3.6		474.0		-369	+237	822,186	487,545
145	110		"	"	6.5	88°40'	+2.6	-3.9		466.5		-93	+59	822,462	487,367
TP A	17		183°18'18"	"	4.4	90°00'		-4.4		466.0	TP	-17	-1	822,536	487,307
					5.2	-		-5.2		465.2	TP	0	0	822,555	487,308
146	217		259°38'	-1.3	5.0	87°50'	+8.2	+3.2		473.6		-44	-213	822,511	487,095
147	847		"	"	6.4	88°20'	+15.9	+9.5		479.9		-111	-536	822,444	486,772
Δ B.M.	617		254°37'30"	"	6.9	88°50'	+12.6	+5.7		476.1	B.M.	-177	-591	822,378	486,717
T.P.	627		259°50'26"	"	3.0	88°50'	+12.8	+9.8		480.2	TP	-125	-614 ^v	822,425	486,694
"			"	"	4.8	88°40'	+14.6	+9.8			TP	-			
B.S.	3413		181°54'36"	-1.3	+4.9	88°50'	-69.5	-64.6	415.3		BS	+3412	+36 ^v		
"	"				+4.4	271°10'	-69.5	-65.1	-64.9		BS	-			
148	3170		181°38'	"	8.8	88°56'	+59.0	+50.2		465.5		-3170	-18	822,670	486,712
149	2840		"	"	11.6	88°56'	+52.9	+41.3		466.6		-2840	-17	823,000	486,713
150	2510		"	"	12.2	89°00'	+43.8	+31.6		446.9		-2510	-15	823,330	486,715

822,515 x - 487,295
TP - enter.

822,315 x - 486,620
U.S.G.S. B.M. EL. 476.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	4-2-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B Cotcamp	PARTY NUMBER	6534	NOTES CHECKED BY	C.J. R.T.	LINE NO.	14	PAGE	13	
AREA	Georgia	TOPO MAP	Ideal South 7/2	STATE	Georgia	COUNTY	Macon	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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									415.3					
151	2180		181°38'	-1.3°	10.5	89°20'	+25.4	+14.9		430.2		-2180	-13	823160 486.717
152	1850		"	--	10.5	89°30'	+6.1	+5.6		420.9		-1850	-11	823090 486.719
153	1520		"	--	8.7	89°30'	+13.3	+4.6		419.9		-1520	-9	824320 486.721
154	1190		"	--	10.9	89°30'	+10.4	-0.5		419.8		-1190	-7	824650 486.723
155	860		181°38'	-1.3°	7.0	89°30'	+7.5	+0.5		415.8		-860	-5	824980 486.725
156	530		"	--	10.1	89°30'	+4.6	-5.5		409.8		-530	-3	825310 486.727
157	200		181°38'	--	9.3	89°30'	+1.7	-7.6		407.7		-200	-1	825640 486.729
TP	0				5.2	-	-	-5.2		410.1	TP	0	0	825840 486.730
158	135		31°05'	-1.3°	7.0	89°30'	+1.2	-5.8		4109.5		+117	+67	825957 486.797
159	465		27°00'	--	7.8	89°30'	+4.1	-3.7		411.6		+419	+202	826259 486.932
TP	766		30°18'30"	--	4.4	89°06'	+12.0	-2.4		413.0	TP	+670	+371'	826509 487.101
"			"		10.2	228°36'	+8.0	-2.2	2.3		TP	-1		
BS	1677		209°15'53"	-1.3°	3.3	88°30'	-43.9	-40.6	372.2		BS	+1481	+786'	
"					3.0	270°30'	-43.9	-40.9	40.8		BS	-1		
160	1647		209°16'	--	8.6	88°20'	+47.9	+39.3		411.5		-1455	-772	826534 487.115
161	1319		208°45'	--	9.7	88°20'	+38.4	+28.7		400.9		-1171	-608	826818 487.279
162	996		208°30'	--	10.0	88°50'	+20.2	+10.2		382.4		-881	-453	827108 487.434
163	660		"	--	10.6	89°20'	+7.7	-2.9		379.3		-587	-302	827402 487.585
164	330		210°01'	--	11.8	89°40'	+1.9	-9.9		362.3		-289	-159	827700 487.728
Creek	183		217°12'23"	--	9.6	90°-	-	-9.6		362.6	#	-148	-107	827841 487.780

827,801 x 487,745
CREEK CROSSING

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	4-2-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	D. Catcamp	PARTY NUMBER	6834	NOTES CHECKED BY	C.J. R.T.	LINE NO	14	PAGE	14
AREA	Georgia	TOPO MAP	Ideal South 7 1/2	STATE	Georgia	COUNTY	Macon	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 T TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									372.2					
165T	0				5.2			-5.2		367.0	T	0	0	827,989 487,887
166	330		56°55'	-1.3	7.1	85°10'	+27.7	+20.6		392.8		+186	+272	828,175 488,159
T.P.	599		56°57'42"	--	8.3	86°20'	+38.3	+30.0		402.2	T.P.	+337	+494	828,325 488,381
"	"				8.2	223°40'	+38.3	+30.1			T.P.	-1		
BS	1045		194°32'20"	-1.3	+11.9	90°46'	+12.2	+24.1	426.2		BS	+1017	+239	
"	"				+11.8	269°20'	+12.2	+24.0			BS	-1		
167	990		193°21'	--	12.1	90°40'	-11.5	-23.6		402.6		-968	-207	828,323 488,413
168	660		193°31'	--	11.1	90°40'	-7.7	-18.8		409.4		-645	-140	828,696 488,480
169	330		"	--	7.2	90°40'	-3.8	-11.0		415.2		-323	-70	829,018 488,550
170T	0				5.2			-5.2		421.0	T	0	0	829,341 488,620
171	330		9°03'	-1.3	7.7	88°30'	+8.6	+0.9		427.1		+327	+45	829,668 488,665
172	660		8°02'	--	8.5	89°20'	+7.7	-0.8		425.4		+655	+77	829,916 488,697
T.P.	817		6°49'25"	--	8.9	89°20'	+9.5	+0.6		426.8	T.P.	+813	+79	830,153 488,699
"	"		"		4.2	89°40'	+4.8	+0.6			T.P.	-1		

y = 830,150 x = 488,698
y = Inter. EL. 426.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-4-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Catcamp	PARTY NUMBER	6834	NOTES CHECKED BY	A.T.	LINE NO	4	PAGE	15
AREA	Georgia	TOPO MAP	Ideal S. 7 1/2	STATE	Georgia	COUNTY	Macon	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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
B.M. A	740		141°01'18"	-1.0	11.8	90-		+11.8	438.6		BS	+567	-475"	
					8.1	B.H.	+3.7	+11.8			BS	-1		
173	566		140°36'	--	11.8	90-		-11.8		426.8		-431	+367	830,286 488,591
174	238		135°18'	--	8.8	90-		-8.8		429.8		-166	+170	830,553 488,394
175	0				5.2			-5.2		433.4	X	0	0	830,719 488,224
175	90		217°00'	-1.0	5.7	88°10'	+2.9	-2.8		435.8		+39	-81	830,758 488,143
176	419		291°11'	--	6.2	88°31'	+11.0	+4.8		443.4		+145	-393	830,864 487,831
T.P.	460		287°05'15"	--	6.5	88°40'	+10.7	+4.2		442.8	T.P.	+143	-437"	830,861 487,787
"			"		9.2	88°20'	+13.4	+4.2			"	-1		
BS	446		107°24'19"	--	2.8	88°10'	-14.2	-11.5	431.3		BS	+126	-428"	
"					4.1	272°00'	-15.6	-11.5			BS	-1		
177	158		110°04'	-1.0	7.6	85°40'	-11.9	-4.3		427.0		-52	+149	830,934 487,508
X	0				5.2			-5.2		426.1	X	0	0	830,986 487,359
178	185		324°41'	--	6.5	91°50'	-5.9	-12.4		418.9		+149	-110	831,135 487,249
179	515		"	--	11.1	93°30'	-31.4	-42.5		388.8		+415	-305	831,401 487,054
180	845		"	--	5.8	93°30'	-51.5	-57.2		374.1		+681	-500	831,667 486,859
A	925		324°52'28"	--	3.2	93°30'	-56.4	-59.6		371.7	#1	+747	-543	831,733 486,816 #1 T-Inter.
T.P.	976		324°32'48"	--	11.5	93°00'	-51.0	-62.5		368.8	T.P.	+787	-575"	831,772 486,784
"	"				8.6	266°50'	-53.8	-62.4			T.P.	-1		

Y-831,745 X-486,815

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
4-4-84		R. Trowbridge		B. Cotcamp		6834		C.J.		14		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Ideal South 1/2		Georgia		Macon								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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
B.S	1863		182°54'00"	-1.0	+5.6	88°30'	-37.9	-32.3	336.4		BS	+1862	+62 ^v		
"					+5.4	27°10'	-37.9	-32.5	332.4		BS	-1			
181	1647		182°41'	--	8.4	89°10'	+29.0	+15.5		351.9		-1646	-48	831,987	486,798
182	1320		183°48'	--	11.0	89°30'	+11.5	+0.5		336.9		-1318	-64	832,315	486,782
183	990		184°30'	--	11.2	89°30'	+8.6	-2.6		333.8		-988	-60	832,645	486,786
184	660		"	--	6.4	89°30'	+5.8	-0.6		325.8		-659	-40	832,974	486,806
185	330		"	--	7.4	89°00'	+5.8	-1.6		334.8		-329	-20	833,304	486,826
186	0				5.2	0		-5.2		331.2	TP	0	0	833,633	486,846
187	330		07°18'	-1.0	10.2	89°00'	+5.8	-4.4		322.0		+328	+36	833,961	486,882
188	660		"	--	11.0	89°00'	+11.5	+0.5		336.9		+656	+72	834,289	486,918
189	990		"	--	8.0	89°00'	+17.3	+9.3		345.7		+984	+109	834,617	486,955
190	1320		"	--	9.1	88°40'	+30.7	+21.6		358.0		+1312	+145	834,945	486,991
191	1650		"	--	10.9	88°40'	+38.4	+27.5		363.9		+1640	+181	835,273	487,027
T.P. Δ	1744		007°13'06"	--	0.4	89°00'	+30.4	+30.0		366.5	T.P.	+1733	+189 ^v	835,365	487,035
"					5.2	27°10'	+35.5	+30.3	+30.1		T.P.	-1			
B.S	2214		166°06'33"	-1.0	+7.1	90°30'	+32.2	+39.3	405.6		BS	+2139	-569 ^v		
"					+6.8	269°10'	+32.2	+39.0	+39.1		BS	-1			
192	1980		166°06'	--	11.4	90°40'	-23.0	-34.4		371.2		-1913	+509	835,590	486,975
193	1650		"	--	8.5	90°40'	-19.2	-27.7		377.9		-1595	+424	835,908	486,890

Y - 835,330 X - 487,060
Y₂ - intersect. E. 363

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-4-84	INSTRUMENT MAN	R. Frowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6854	NOTES CHECKED BY	CY	R.T.	LINE NO.	14	PAGE	17
AREA	Georgia	TOPO MAP	Ideal South	STATE	Georgia	COUNTY	Macon	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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									405.6					
194	1320		166°06'	-1.0	8.2	90°40'	-15.4	-23.6		382.0		-1276	+339	836.227 486.805
195	990		"	--	11.4	90°40'	-11.5	-22.9		382.7		-957	+255	836.516 486.721
196	660		"	--	11.5	90°10'	-1.9	-13.4		392.2		-638	+170	836.865 486.636
197	330		"	--	6.7	90°10'	-1.0	-7.7		397.9		-319	+85	837.184 486.551
198T	0				5.2			-5.2		400.4	T	0	0	837.503 486.466
199 Int.	14		177°14'01"	-1.0	5.1	90 -		-5.1		400.5	≠I	-14	+1	837.489 486.467 y = 837.510 x = 486.785 T - intersect El. 397
199	330		357°53'	--	11.2	87°30'	+14.4	+3.2		408.8		+330	-18	837.833 486.448
200	660		"	--	8.5	87°30'	+28.8	+20.3		425.9		+659	-36	838.162 486.430
201	990		"	--	5.6	87°30'	+43.1	+37.5		443.1		+989	-54	838.492 486.412
202	1320		"	--	7.5	87°20'	+61.3	+53.8		459.4		+1318	-72	838.821 486.394
203	1639		357°53'	--	14.9	87°20'	+76.2	+61.3		466.9		+1637	-89	839.140 486.377 1639'
INT A	1622		358°09'56"	--	13.5	87°20'	+75.4	+61.9		467.5	T	+1618	-80	839.121 486.386 y = 839.125 x = 486.395 T - intersect
T.P.	1592		357°43'46"	--	7.4	87°30'	+69.4	+62.0		467.6	T.P.	+1588	-91	839.090 486.375
"					7.3	87°20'	+69.4	+62.1			T.P.	-1		
B.S	954		134°23'05"	-1.0	5.1	89°40'	-5.6	-0.5	467.1	L	BS	+655	-693	
"					3.4	87°14'	-3.9	-0.5		L	BS	-1		
204	599		134°33'	--	6.9	87°10'	-1.7	-8.6		458.5		-413	+434	839.331 486.116
205	270		131°18'	--	9.9	90 -		-9.9		457.2		-175	+206	839.569 485.888
206	54		314°59'	--	6.4	85°50'	+3.9	-2.5		464.6		+38	-39	839.782 485.643
π	0				5.2	-		-5.2			π	0	0	839.744 485.682

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
4-4-84		R. Trowbridge		B. Cotcamp		6834		C. J. R.T.		14		18		
AREA		TOPO. MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Ideal South 1/2		Georgia		Macon						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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									467.1					
207	382		296°45'	-1.0	8.8	88°20'	+11.1	+2.3		469.4		+166	-344	859.18 485.338
T.P.	589		297°09'05"	--	8.0	89°00'	+10.3	+2.3		469.4	TP	+260	-529	840.003 485.153
"					6.2	270°50'	+8.7	+2.4		469.4	TP	-1		
BS	1163		152°13'31"	-1.0	12.4	T.H.	-5.8	+6.6	476.0		BS	+1019	-560	
"					13.4	89°40'	-6.8	+6.6			BS	-1		
208	1033		151°49'	--	10.0	T.H.	+5.2	-4.8		471.2		-902	+504	840.119 485.097
209	703		"	--	12.2	89°40'	+4.1	-8.1		467.9		-614	+343	840.407 484.936
210	373		"	--	6.8	88°50'	+7.6	+0.8		476.8		-326	+182	840.895 484.715
211	43		"	--	7.4	88°50'	+0.9	-6.5		469.5		-38	+21	840.983 484.614
X	0				5.2	-		-5.2		470.8	X	0	0	841.021 484.593
212	290		274°27'	-1.0	8.0	90-		-8.0		468.0		+17	-289	841.038 484.304
213	620		"	--	8.2	90-		-8.2		467.8		+37	-619	841.058 483.974
214	950		"	--	5.7	90-		-5.7		470.3		+57	-948	841.078 483.645
215	1280		"	--	7.7	B.H.	-6.4	-14.1		461.9		+77	-1278	841.098 483.315
216	1610		274°27'	--	6.0	90-		-6.0		470.0		+97	-1607	841.118 482.986
± T.P.	1753		274°01'54"	-1.2	5.5	90-		-5.5		470.5	TP	+87	-1751	841.107 482.842
"					10.6	89°50'	+5.1	-5.5			TP	-1		
BS	2004		183°31'24"	--	+13.8	90-		+13.8	484.3		BS	+2002	+81	
"					+3.8	B.H.	+10.0	+13.8			BS	-1		
217	1782		183°05'	--	12.6	B.H.	+8.9	-21.5		462.8		-1781	-59	841.327 482.864

841.120 X = 482.842
H.W.A. INT. EL. 470.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	7-5-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	C.Y. R.T.	LINE NO.	14	PAGE	19
AREA	Georgia	TOPO MAP	Ideal South 1/2	STATE	Georgia	COUNTY	Macon	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 TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									484.3						
218	1452		183°05'	-1.2°	10.6	90°30'	-12.7	-23.3		461.0		-1451	-48	841657	482,875
219	1122		"	--	9.2	90°30'	-9.8	-19.0		465.3		-1121	-37	841987	482,886
220	792		"	--	10.7	90-		-10.7		473.6		-792	-26	842316	482,897
221	463		"	--	12.9	90-		-12.9		476.4		-463	-15	842645	482,908
222	134		183°05'	--	5.9	90-		-5.9		478.4		-134	-4	842974	482,919
TP	0				5.2	-		-5.2		479.1	TP	0	0	843108	482,923
223	197		03°05'	-1.2°	12.5	90-		-12.5		471.8		+197	+6	843305	482,929
224	527		"	--	11.4	B.H.	-2.6	-14.0		470.3		+527	+17	843635	482,940
225	857		"	--	11.9	91°20'	-19.9	-31.8		452.5		+857	+28	843965	482,951
226	1187		03°05'	--	9.9	91°00'	-20.7	-30.6		453.7		+1186	+39	844294	482,962
TP	1205		02°37'05"	--	8.7	91°00'	-21.0	-29.7		454.6	TP	+1204	+30	844312	482,953
227	1517		03°05'	--	12.5	90°30'	-13.2	-25.7		458.6		+1516	+50	844624	482,973
228	1847		"	-1.2°	9.5	90°10'	-5.4	-14.9		469.4		+1846	+61	844954	482,984
229	2177		03°05'	--	4.0	90-		-4.0		480.3		+2176	+72	845284	482,995
TP	2505		03°08'35"	--	5.0	89°50'	+7.3	+2.3		486.6	TP	+2504	+85	845611	483,008
"					12.3	270°20'	+14.6	+2.3			TP	-	-		
B.S.	1526		183°14'28"	-1.2°	6.4	87°50'	-57.7	-51.3	435.4		BS	+1524	+54		
"					2.1	88°00'	-53.2	-51.1			BS	-	-		
231	1196		183°15'	--	12.8	87°30'	+52.1	+39.3		474.7		-1195	-43	845934	483,019
232	866		"	--	7.9	88°00'	+30.2	+22.3		457.7		-865	-31	846269	483,031

1/5-844,315 x. 482,950
TP 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		
4-5-84		R. Trowbridge		B. Cotcamp		6834		R.T.		14		20		
AREA		TOWNSHIP		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Ideal South 1/2		Georgia		Macon						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 TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									435.4					
233	536		183°15'	-1.2'	6.9	87°50'	+20.3	+13.4		448.8		-536	-19	846,516 483,043
234	206		"	--	6.7	86°30'	+12.6	+5.9		491.3		-206	-7	846,928 483,055
π	0		—		5.2	-		-5.2		430.2	π	0	0	847,134 483,062
235	126		05°43'	--	5.3	93°30'	-7.7	-13.0		422.4		+126	+10	847,260 483,072
236	456		"	--	8.1	93°30'	-27.8	-35.9		399.5		+456	+36	847,589 483,098
Ch. S. A	757		06°11'24"	-1.2	12.9	92°50'	-37.4	-50.3		385.1	#	+753	+66	847,887 483,128 * -847,900 x -483,110 Creek + curv. el. 384.0
237	786		05°43'	--	11.3	92°50'	-38.8	-50.1		385.3		+784	+62	847,918 483,124
238	1116		06°17'	--	6.3	91°50'	-35.7	-42.0		393.4		+1112	+99	848,246 483,161
239	1445		06°39'	--	11.0	90°30'	-12.6	-23.6		411.8		+1438	+137	848,572 483,199
T.P. 240	1774		06°53'31"	--	13.0	90°—		-13.0			T.P.	+1765	+176	848,898 483,238
"					4.2	B.H.		-8.9		422.3	T.P.	-	-	
B.S.	3957		187°24'03"	-1.2°	13.6	90°30'	+34.5	+48.1	470.3		BS	+3934	+427'	
"					2.0	90°40'	+46.0	+48.0		411.7	BS	-	-	
241	3680		187°24'	--	5.8	90°30'	-52.8	-58.6		411.7		-3609	-392	849,222 483,273
242	3300		"	--	6.7	91°10'	-67.2	-73.9		396.4		-3281	-356	849,550 483,309
243	2920		"	--	8.0	91°20'	-69.1	-77.1		393.2		-2953	-321	849,878 483,344
244	2640		"	--	8.0	91°30'	-69.1	-77.1		393.2		-2625	-285	850,206 483,380
245	2310		"	--	9.9	91°46'	-71.2	-81.1		389.2		-2296	-249	850,535 483,416
C.R.	2256		187°29'	-1.0	11.3	91°46'	-69.5	-80.1		390.2	#	-2241	-255	850,890 483,410 * -850,600 x -483,410 Creek crossing

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAKE		ROD MAKE		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
4-5-84		R. Trowbridge		B Cotcamp		6834		C.J. R.T.		14	21			
AREA		TOWNSHIP		COUNTY		RANGE		PPM		PARTY MANAGER				
Georgia		Ideal South 1/2		Georgia		Macon				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 TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									470.3					
246	1980		187°24'	-1.0	2.0	91°54'	-65.6	-77.6		392.7		-1968	-221	850,863 483,444
247	1650		"	--	2.5	91°54'	-54.7	-62.2		408.1		-1640	-184	851,191 483,481
248	1320		"	--	6.5	91°40'	-38.4	-44.9		425.4		-1312	-147	851,519 483,518
249	990		"	--	9.0	91°30'	-25.9	-34.9		435.4		-984	-110	851,847 483,555
250	660		"	--	9.6	91°30'	-17.3	-26.9		443.4		-656	-74	852,175 483,591
251	330		189°24'	--	6.2	91°30'	-8.6	-14.8		455.5		-328	-37	852,503 483,628
252	0				5.2	-		-5.2		465.1	X	0	0	852,831 483,665
253	330		07°43'	-1.0	5.1	91°10'	-6.7	-17.3		458.0		+328	+39	853,159 483,704
254	660		"	--	9.1	91°30'	-5.8	-14.9		455.4		+655	+77	853,486 483,742
255	990		"	--	7.0	91°20'	-5.8	-12.8		457.5		+983	+116	853,814 483,781
256	1320		"	--	11.4	91°30'	-11.5	-22.9		447.4		+1311	+154	854,142 483,819
257	1650		"	--	9.4	91°30'	-14.4	-23.8		446.5		+1639	+193	854,470 483,858
258	1980		07°43'	-1.0	10.3	91°16'	-9.2	-19.5		450.8		+1966	+232	854,797 483,897
259	2310		07°43'	--	8.9	91°-		-8.9		461.4		+2294	+270	855,125 483,935
#1A	2587		07°25'40"	--	5.1	91°-		-5.1		465.2	#1	+2571	+290	855,402 483,955 #1 - intersect
260	2640		07°43'	--	6.4	91°-		-6.4		463.9		+2622	+309	855,453 483,974
Δ	2789		07°27'48"	--	9.7	91°-		-9.7		460.6	#	+2771	+314	855,602 483,979 # Δ - 855,610 x - 483,980 # T - intersect
261	2970		07°43'	-1.0	16.3	91°04'	-3.4	-13.7		456.6		+2950	+347	855,781 484,012
262	3300		"	--	10.2	89°30'	+9.6	-0.7		469.6		+3277	+386	856,108 484,051
263	3630		"	--	11.6	89°30'	+31.7	+20.1		490.4		+3605	+425	856,436 484,090

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
4-5-84		R. Trowbridge		B. Cotcamp		6834		C.J. R.T.		14		22		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Ideal South		Georgia		Macon						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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									470.3					
264	3960		7° 28'	-1.0	2.4	89°16'	+50.7	+43.3		513.6		+3935	+446	856766 484,111
265	4290		" "	"	2.3	89°10'	+62.4	+54.1		524.4		+4263	+483	857094 484,148
266	4620		" "	"	1.9	89°10'	+17.2	+55.3		525.6		+4591	+526	857422 484,185
267	4950		" "	"	1.2	89°12'	+69.1	+57.9		528.2		+4919	+557	857750 484,222
268	5277		070°39'13'	"	12.4	89°14'	+70.6	+58.2	580	528.3	TR	+5241	+611	858071 484,276 89°15'05" 10'
					12.7	89°46'	+70.6	+57.9			TR	-	-	
B.S	1797		187°39'53'	-1.0	15.6	87°10'	-88.7	-73.1	455.1		BS	+1783	+208	
					17.6	87°54'	-90.8	-73.2			BS	-	-	
269	1467		187°40'	"	7.1	87°10'	+72.4	+65.3		520.4		-1457	-170	858346 484,314
270	1137		"	"	2.7	86°50'	+62.7	+55.0		510.1		-1129	-132	858724 484,352
271	807		187°15'	"	9.2	86°50'	+44.5	+35.3		490.4		-802	-88	859051 484,396
272	477		186°51'	"	7.4	86°50'	+26.3	+18.9		474.0		-475	-49	859378 484,435
273	148		181°03'	"	4.9	86°50'	+8.2	+3.3		458.4		-148	=0	859705 484,484
TP	0				5.2	-	-	-5.2		449.9	TP	0	0	859853 484,484
274	185		019°14'	-1.0	2.4	92°20'	-7.5	-14.9		440.2		+176	+58	860029 484,542
275	513		14°58'	"	9.4	91°40'	-14.9	-24.3		430.8		+498	+124	860351 484,608 014°02'
276	843		13°40'	"	12.3	91°00'	-14.7	-27.0		428.1		+822	+185	860675 484,669
277	1173		13°26'	"	10.5	90°40'	-13.6	-24.1		431.0		+1145	+253	860998 484,737
B.M	1487		14°24'35"	"	7.5	90°30'	-13.0	-20.5		434.6	B.M	+1446	+345	861299 484,829 4-861,315 x -484,840 U.S.G.S. B.M. EL. 434.2
278	1503		13°20'	"	7.4	90°30'	-13.1	-20.5		434.6		+1468	+321	861321 484,805

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	4-5-84	INSURUMENT MAN	R. Trowbridge	ROD MAN	B. Catcamp	PARTY NUMBER	6834	NOTES CHECKED BY	C.J. R.T.	LINE NO.	14	PAGE	23
AREA	Georgia	PO MAP	Isled South 1/2	STATE	Georgia	COUNTY	Macon	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	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
T.P.	1598		12°58'24"	-1.0	6.7	90°30'	-14.0	-20.77		434.4	T.P.	+1563	+332 ^v	861,415	484,816	861,410 x = 484,810 T-Intersect.
"					13.2	90°16'	-7.4	-20.65			T.P.	-				
BS	896		120°09'34"	--	13.6	91°20'	+20.8	+34.4	468.8		BS	+436	-782 ^v			
					8.5	91°40'	+26.0	+34.55			BS	-				
279	656		119°26'	-1.0	6.9	91°40'	-19.1	-26.0		442.8		-312	+577	861,538	484,611	
280	329		113°02'	--	5.8	91°40'	-9.6	-15.4		453.4		-123	+305	861,727	484,339	
T.P.	0				5.2	-		-5.2		463.6	T	0	0	861,850	484,034	Near B.O. Fence
282	330		289°17'	--	9.8	90-		-9.8		459.0		+104	-313	861,954	483,721	
283	660		"	--	10.8	9050	-9.6	-20.4		448.4		+207	-627	862,057	483,407	
284	990		"	--	10.9	91°10'	-20.2	-31.1		437.7		+311	-940	862,161	483,094	
285	1220		288°48'	--	11.7	91°10'	-26.9	-38.6		430.2		+404	-1257	862,254	482,777	
T.P.	1649		288°19'52"	-1.0	14.0	90°56'	-26.8	-40.9		427.9	T.P.	+491	-1574 ^v	862,340	482,460	
T.P.	"				5.3	91°14'	-35.5	-40.8			T.P.	-				
BS	571		85°08'48"	--	9.0	90-		+9.0	436.9		BS	-58	-568 ^v			
"					6.2	B.H.	+2.9	+9.1			BS	-	-			
287	241		85°10'	--	6.4	T.H.	+1.2	-5.2		431.7		+24	+240	862,305	482,131	
T	0				5.2	-		-5.2		431.7	T	0	0	862,281	481,891	
288	93		289°42'	--	5.9	90-		-5.9		431.0		+30	-88	862,311	481,803	
289	423		285°52'	--	9.6	91°40'	-12.3	-21.9		415.0		+109	-409	862,340	481,482	
290	753		285°10'	--	9.9	92°10'	-28.4	-38.3		398.6		+184	-730	862,416	481,161	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
4-5-84		R. Trowbridge		B. Cotcamp		6834		C.Y. R.T.		14		24				
AREA		TOPG MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Ideal South 1/2		Georgia		Macon								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 TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									436.9							
Δ/E	808		285°18'09"	-1.0	11.0	92°10'	-30.5	-41.5		395.4	TP	+199	-782	862,480	481,109	y = 862,470 x = 481,150
T.P.	884		285°30'46"	--	11.8	92°20'	-36.0	-47.8		389.1	TP	+221	-855	862,501	481,035	y - Inter
"					14.4	92°10'	-33.4	-47.8			TP	-	-1			
B.S.	1461		166°49'23'	-1.0	4.0	89°20'	-17.0	-130.8	376.2		BS	+1416	-358			
"					8.3	89°10'	-21.2	-12.9			BS	-	-1			
291	1227		166°34'	--	11.6	89°20'	+14.3	+2.7		378.9		-1188	+306	862,728	480,982	
292	897		166°51'	--	11.7	89°30'	+7.8	-3.9		372.3		-870	+219	863,046	480,895	
293	567		168°11'	--	10.1	89°30'	+4.9	-5.2		371.0		-553	+126	863,363	480,802	
294	239		168°01'	--	8.8	89°30'	+2.1	-6.7		369.5		-227	+74	863,689	480,750	Ideal South 1
Δ	0				5.2	-		-5.2		371.0	TP	0	0	863,916	480,676	Ideal North 1
295	100		13°51'	-1.0	8.4	89°30'	+1.9	-7.5		368.7		+98	+22	864,014	480,698	
Crossing	288		000°39'53'	--	12.6	90°-		-12.6		363.6		+288	-2	864,204	480,674	# Bridge
T.P.	304		352°45'23'	-1.0	13.9	90°-		-13.9		362.4	TP	+301	-44	864,216	480,631	
"					9.4	90°50'	-4.4	-13.8			TP	-	-1			
BS	521		141°39'00'	--	8.4	90°-	8	+8.4	370.8		BS	+403	-330			
"					5.8	B.H.	+2.6	+8.4			BS	-	-1			
296	429		141°39'	--	8.7	90°-		-8.7		362.1		-332	+272	864,286	480,572	
297	100		146°21'	--	6.4	90°-		-6.4		364.4		-82	+57	864,536	480,357	
Δ	0				5.2	-		-5.2		365.6	TP	8	0	864,618	480,300	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
4-6-84		R. Trowbridge		B. Cotcamp		6834		C.J. R.T.		19	25						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
Georgia		Ideal North 7 1/2	Georgia	Macon					R. Trowbridge								
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		
									370.8								
298	238		03°02'	-1.0°	8.7	88°10'	+7.6	-1.1		369.7		+238	+8	864856	480,308		
299	568		01°30'	--	12.1	88°10'	+18.2	+6.1		376.9		+568	+5	865186	480,305		
300	898		"	--	10.3	88°10'	+28.7	+18.4		389.2		+898	+8	865516	480,308		
301	1228		"	--	6.5	88°10'	+39.3	+32.8		403.6		+1228	+11	865846	480,311		
302	1558		"	--	11.8	87°40'	+63.4	+51.6		422.4		+1558	+14	866172	480,314		
T.P.	1762		01°08'24"	--	7.3	87°40'	+71.7	+64.4		435.2	T.P.	+1761	+4	866378	480,303		
"					2.2	87°50'	+66.6	+64.4			T.P.	-	-				
B.S.	343		115°49'52"	-1.0°	+12.7	90-		+12.7	447.9		B.S.	+331	-90°				
"					11.0	B.H.	+1.7	+12.7			B.S.	-	-				
Δ	261		175°40'42"	--	9.3	90-		-9.3	438.6		Δ	-260	+24	866448	480,236	Y=866490 X=480,230 Z=4380	
303	224		173°24'	--	9.1	90-		-9.1	438.8			-222	+30	866486	480,242		
π	0				5.2	-		-5.2	442.7		π	0	0	866708	480,212		
304	108		07°28'	-1.0°	9.2	90-		-9.2	438.7			+107	+12	866815	480,224		
305	437		04°27'	--	12.0	93°10'	-24.1	-36.1	411.8			+436	+26	867144	480,238		
T.P.	566		05°25'45"	--	12.3	93°20'	-32.9	-45.2	402.7		T.P.	+563	+44	867270	480,255		
"	"				14.0	93°10'	-31.2	-45.2			T.P.	-	-				
B.S.	1055		270°04'48"	--	4.0	90-		+4.0	406.7		B.S.	+17	+1055				
"					9.3	T.H.	-5.3	+4.0			B.S.	-	-				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-6-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Colcanio	PARTY NUMBER	6834	NOTES CHECKED BY	C. Y. R.T.	LINE NO.	14	PAGE	26	
AREA	Georgia	TOPO MAP	Ideal North 7 1/2	STATE	Georgia	COUNTY	Macon	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 TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									406.7					
306	818		270°30'	-1.0°	10.6	B.H.	-4.1	-14.7		392.0		-7	-818	867,279 480,491
Cr. X-ing	710		270°33'21"	--	10.9	90°30'	-6.2	-17.1		389.6	#	-6	-710	867,260 480,599 # creek crossing
307	488		270°30'	--	9.9	90°30'	-4.3	-14.2		392.5		-4	-488	867,282 480,821
308	158		"	--	6.9	90°30'	-1.4	-8.3		398.4		-1	-158	867,285 481,151
TP	0				5.2	-		-5.2		401.5	TP	0	0	867,286 481,309
309	188		01°50'	-1.0°	6.5	87°20'	+8.7	+2.2		408.9		+188	+3	867,474 481,312
310	518		"	--	9.4	87°20'	+24.1	+14.7		421.4		+518	+8	867,804 481,317
311	848		"	--	12.3	87°20'	+39.4	+27.1		433.8		+848	+12	868,134 481,321
312	1178		"	--	8.4	87°20'	+54.7	+46.3		453.0		+1178	+17	868,464 481,326
313	1508		01°50'	--	12.4	87°30'	+65.7	+53.3		460.0		+1508	+22	868,794 481,331
TP	1532		00°34'26"	--	6.3	87°46'	+59.7	+53.4		460.0	TP	+1531	-11"	868,816 481,297
"	"				9.9	87°38'	+63.2	+53.3			TP	-1	-1	
BS	580		180°38'42"	-1.0°	7.2	90°-		+7.2	467.2		BS	+580	-4"	
"	"				4.3	B.H.	+2.9	+7.2			BS	-1	-1	
314	275		180°40'	--	9.5	90°-		-9.5		457.7		-275	+2	869,120 481,294
Δ	89		186°13'30"	--	1.6	90°-		-1.6		465.6	#	-89	-8	869,306 481,284 # 869,305 x - 481,300 Hwy Int. El. 466.0
TP	0			--	5.2	-		-5.2		462.0	TP	0	0	869,395 481,292
315	54		09°19'	--	6.3	90°-		-6.3		460.9		+53	+8	869,448 481,300
316	385		"	--	12.6	90°-		-12.6		454.6		+381	+56	869,776 481,348

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-6-84	INSTRUMENT MAN	R. Traubridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	C. J. R.T.	LINE NO.	14	PAGE	27
AREA	Georgia	TOPO MAP	Ideal North 7/2	STATE	Georgia	COUNTY	Macon-Taylor	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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									467.2					
317	715		08°15'	-1.0	13.0	90°30'	-6.2	-19.2		448.0		+709	+90	870,104 481,382
318	1045		"	--	11.7	B.H	-5.2	-12.9		454.3		+1037	+132	870,432 481,424
319	1375		08°01'	--	12.3	90-		-7.3		459.9		+1365	+168	870,760 481,460
T.P.	1675		07°11'36"	--	10.3	90°08'	-3.9	-14.2		452.9	TP	+1665	+181	871,059 481,473
"					8.5	90°12'	-5.8	-14.3			TP	-1		
320	1925		172°14'53"	-1.0	30	87°00'	-100.6	-97.6	3554		BS	+1900	-293	Set up near metal
"					14.3	86°40'	-111.7	-97.4	355		BS	-1		
320	1895		172°09'	--	13.7	86°40'	+110.0	+96.3		451.7		-1872	+292	871,086 481,472
321	1565		171°36'	--	10.1	87°06'	+79.1	+69.0		424.4		-1544	+256	871,414 481,436
322	1244		174°21'	--	10.8	88°10'	+39.8	+29.0		384.4		-1236	+144	871,722 481,324
323	931		179°38'	--	9.7	88°40'	+21.7	+12.0		367.4		-931	+22	872,027 481,202
324	601		"	--	16.0	88°40'	+14.0	+4.0		359.4		-601	+14	872,357 481,194
325	271		"	--	8.9	88°40'	+6.3	-2.6		352.8		-271	+6	872,687 481,186 Macon Co. ↑
X	0				5.2	-		-5.2		350.2	X	0	0	872,958 481,180
326A	58'		00°59'	-1.0	7.0	88°40'	+1.3	-5.7		349.7		+58	±0	873,016 481,180
327	388'		"	--	12.2	88°40'	+9.0	-3.2		352.2		+388	±0.	873,346 481,180
328	718'		"	--	8.3	89°20'	+8.4	+0.1		355.5		+718	±0	873,676 481,180
A	972		00°24'	--	7.0	89°20'	+11.3	+4.3		359.7		+972	-10	873,930 481,170
329	1048'		00°59'	--	6.7	89°20'	+12.2	+5.5		360.9		+1048	±0	874,006 481,180

y 873,930 x 481,170
 1/2 y Inter. El. 358.0
 402.2 y -60
 corr. x -11

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-6-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	C.P. R.T.	LINE NO.	14	PAGE	28
AREA	Georgia	TOPO MAP	Ideal North 7 1/2	STATE	Georgia	COUNTY	Taylor	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 TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									355.4					
330	1378		00°59'	-1.0°	12.0	89°00'	+24.0	+12.0		367.4		+1378	-0	874336 481.180
331	1708		"	"	7.2	88°40'	+39.7	+32.5		387.9		+1708	-1	874666 481.179
332	2037		"	"	10.7	88°20'	+59.2	+48.5		403.9		+2037	-1	874995 481.179
333	2368		"	"	8.1	88°20'	+68.8	+60.7		416.1		+2368	-1	875326 481.179
334	2698		"	"	10.1	88°20'	+78.4	+68.3		423.7		+2698	-1	875656 481.179
335	3028		00°59'	-1.0°	8.9	88°24'	+84.5	+75.6		431.0		+3028	-1	875986 481.179
336	3357		"	"	5.7	88°24'	+93.7	+88.0		443.4		+3357	-1	876315 481.179
337	3687		"	"	9.7	88°22'	+105.0	+95.3		450.7		+3687	-1	876645 481.179
1.P. 338	4015		00°56'23"	-1.2°	10.0	88°25'	+110.9	+100.9		456.5	TP	+4013	-18	876645 481.162 Heat waves
TP					10.0	27°35'16"	+111.3	+101.3	+101.3		TP			
BS	3301		181°03'11"	"	10.5	90°00'		+10.5	467.0		BS	+3301	-8	
BS					10.0	90°00'	+0.5	+10.5			BS			
339	2970		181°02'	-1.2°	12.6	90°		-12.6		454.4		-2970	+9	877302 481.163
340	2640		"	"	7.9	B.H.	-13.2	-21.1		445.9		-2640	+8	877632 481.162
341	2310		"	"	12.1	B.H.	-11.6	-23.7		443.3		-2310	+7	877962 481.161
Δ	2362		181°03'24"	-1.2°	9.3	B.H.	-11.8	-21.1		445.9	±	-2362	+6	877910 481.160
342	1980		181°02'	"	12.1	90°20'	-11.5	-23.6		443.4		-1980	+6	878242 481.160
343	1650		"	"	12.6	90°20'	-9.6	-22.2		444.8		-1650	+5	878622 481.159
344	1320		"	"	12.0	90°20'	-7.7	-19.7		447.3		-1320	+4	878952 481.158
345	990		"	"	10.9	90°20'	-5.8	-16.7		450.3		-990	+3	879282 481.157

4-877900 X-481.155
4-way Int. EL. 446.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO	PAGE				
4-6-84		R. Trowbridge		B. Cotcamp		6834		C.Y.		14	29				
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
Georgia		Tolal North 2a	Georgia	Taylor				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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									467.0						
346	660		181°02'	-1.2°	10.6	90°20'	-3.8	-14.4		452.6		-660	+2	879,612	481,156
347	330		"	--	7.5	90°20'	-1.9	-9.4		457.6		-330	+1	879,942	481,155
X348	0		—		5.2			-5.2		461.8	X	0	0	880,272	481,154
349	330		04°38'	-1.2°	11.2	90°20'	-1.9	-13.1		453.9		+329	+20	880,601	481,174
350	660		02°09'	--	10.2	91°10'	-13.4	-23.6		443.4		+660	+11	880,932	481,165
351	990		01°22'	--	8.3	91°10'	-20.2	-28.5		438.5		+990	+3	881,262	481,157
352	1320		01°41'	--	9.1	90°50'	-19.2	-28.3		438.7		+1320	+11	881,592	481,165
353	1650		00°54'	--	12.5	90°20'	-9.6	-22.1		444.9		+1650	-9	881,922	481,145
354	1980		01°12'	--	11.0	90°		-11.0		456.0		+1980	±0	882,252	481,154
T.P.	2095		01°15'05"	--	6.5	90°		-6.5		460.5	T.P.	+2095	+2	882,367	481,156
"	"				12.6	89°50'	+6.1	-6.5			T.P.				
BS	875		194°16'47'	-1.2°	10.7	B.H.	+4.4	+15.1	455.5		BS	+852	+198		
"					12.5	90°10'	+2.5	+15.0			BS				
355	660		193°47'	--	12.1	90°		-12.1		463.4		-644	-144	882,575	481,210
356	330		"	--	7.6	90°		-7.6		467.9		-322	-72	882,897	481,282
357	0				5.2			-5.2		470.3	X	0	0	883,219	481,354
358	330		21°11'	-1.2°	5.4	T.H.	+1.7	-3.7		471.8		+310	+113	883,529	481,467
359	660		20°25'	--	6.2	89°30'	+5.8	-0.4		475.1		+623	+217	883,842	481,571
T.P.	693		20°30'45"	--	3.0	T.H.	+3.4	+0.4		475.9	T.P.	+654	+229	883,873	481,583
"					1.5	89°50'	+2.0	+0.5			T.P.				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-6-84	INSTRUMENT MAN	R. Trowbridge	ROOM	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	C.P.	R.T.	LINE NO.	14	PAGE	30
AREA	Georgia	TOPO MAP	Ideal North 1/2	STATE	Georgia	COUNTY	Taylor	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 A TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
BS	623		190°01'06"	-1.2°	6.7	89°20'	-7.2	-0.5	475.4		BS	+616	+96	
"					+4.9	89°30'	-5.4	-0.5			BS			
360	330		190°01'	--	6.6	88°40'	+7.7	+1.1		476.5		-326	-51	884163 481,628
361	0				5.2	-		-5.2		470.2	A	0	0	884489 481,679
362	330		130°19'	-1.2	6.9	91°20'	-7.7	-14.6		460.8		+323	+69	884812 481,748
363	660		12°22'	--	10.0	91°40'	-19.2	-29.2		446.2		+648	+128	885137 481,807
T.P.	859		12°29'18"	--	10.8	92°10'	-32.5	-43.3		432.1	T.P.	+842	+168	885331 481,847
"					13.8	90°58'	-29.5	-43.3		432.1	T.P.			
BS	792		186°53'36"	-1.2°	3.8	88°20'	-23.0	-19.2	412.9		BS	+788	+79	8
"					+1.5	88°30'	+20.7	-19.2			BS			
364	660		186°54'	--	7.0	88°10'	+21.1	+14.1		427.0		-657	-66	885462 481,860
365	330		"	--	8.1	88°10'	+10.6	+2.5		415.4		-328	-33	885791 481,893
366	0				5.2	-		-5.2		407.7	A	0	0	886119 481,926
367	330		359°55'	-1.2	8.5	88°10'	+10.6	+2.1		415.6		+330	-7	886444 481,919
368	660		"	--	6.6	87°50'	+24.9	+18.3		431.2		+660	-15	886779 481,911
369	990		"	--	11.0	87°50'	+37.4	+26.4		439.3		+990	-22	887109 481,904
370	1319		359°53'01"	--	12.6	88°10'	+42.2	+29.6		442.4	T.P.	+1318	-30	887437 481,896
T.P.					8.8	88°20'	+38.3	+29.5			T.P.			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-6-84	INSTRUMENT MAN	R. Towbridge	ROD M.N.	B Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.	LINE NO.	14	PAGE	31
AREA	Georgia	TOPO MAP	Local North 7/2	STATE	Georgia	COUNTY	Taylor	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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
BS	1980		180°49'21"	-1.2°	9.7	T.H.	-9.9	-0.2	442.1		BS	+1980	-13		
"					5.5	89°50'	-58	-0.3			BS				
371	1650		180°49'	--	5.9	90-		-5.9		436.2		-1650	+11	888,767	481,894
372	1320		"	--	7.6	90-		-7.6		434.5		-1320	+9	888,857	481,892
373	990		"	--	8.2	90-		-8.2		433.9		-990	+7	888,427	481,890
374	660		"	--	11.0	90-		-11.0		431.1		-660	+4	888,757	481,887
375	330		"	--	8.3	90-		-8.3		433.8		-330	+2	889,087	481,885
376	0				5.2	-		-5.2		436.9	TP	0	0	889,417	481,883
377	330		02°-41'	-1.2°	11.4	90°50'	-4.8	-16.2		425.9		+330	+9	889,747	481,892
378	660		"	--	12.3	90°50'	-9.6	-21.9		420.2		+660	+17	890,077	481,900
379	990		"	--	9.7	90°20'	-23.0	-32.7		409.4		+990	+26	890,407	481,909
380	1320		"	--	6.4	90°50'	-42.2	-48.6		393.5		+1320	+34	890,737	481,917
381	1650		"	--	9.7	90°50'	-52.8	-62.5		379.6		+1649	+43	891,066	481,926
382	1980		02°41'	-1.2°	10.1	90°50'	-63.3	-73.4		368.7		+1979	+51	891,396	481,934
TPA	2183		02°34'52"	--	10.3	90°40'	-63.5	-73.8		368.4	TP	+2181	+53	891,598	481,936
"					10.0	268°20'	-63.5	-73.5	-13.7		TP				
BS	577		269°22'55"	-1.2°	1.4	T.H.	-2.9	-1.5		366.8	BS	+18	+577		
"					0.1	89°50'	-1.7	-1.6			BS				
Δ	554		269°20'25"	--	2.1	T.H.	+2.8	+0.7		367.5	TP	-18	-554	891,598	481,959

Y-891,605 X-481,960
T-ROAD EL. 368.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
4-6-84		R. Trowbridge		B. Cotcamp		6834		C.Y.		R.T.	14	32			
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Georgia		Ideal North 1/2	Georgia	Taylor					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 TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									366.8						
383	409		267°02'	-1.2°	5.9	T.H.	+2.0	-3.9		362.9		-30	-408	891,586	482,105
384	82		251°16'	--	5.0	90-		-5.0		361.8		-28	-77	891,588	482,436
π	0		-		5.2	-		-5.2		361.6	π	0	0	891,616	482,513
385	226		11°51'	--	7.3	88°30'	+4.6	-2.7		364.1		+222	+42	891,838	482,555
Δ	326		11°35'15"	--	6.6	88°50'	+6.6	±0.0		366.8	IF	+321	+59	891,937	482,572
386	556		12°15'	--	7.1	88°30'	+14.6	+7.5		374.3		+546	+107	892,162	482,620
T.P	705		11°53'40"	--	4.6	88°26'	+20.5	+15.9		382.7	T.P	+692	+131	892,308	482,694
"					6.6	88°10'	+22.5	+15.9			T.P				
BS	528		144°36'37"	-1.2°	+2.9	90-		+12.9	395.6		BS	+424	-315		
"					+0.3	B.H.	+2.6	+12.9			BS				
387	329		144°23'	--	8.4	90-		-8.4		387.2		-263	+197	892,469	482,526
388 π	0		-		5.2	-		-5.2		390.4	π	0	0	892,732	482,329
Δ	75		141°36'54"	--	2.7	90-		-2.7		392.9	IF	-58	+48	892,674	482,377
389	330		322°08'	--	9.1	90-		-9.1		386.5		+256	-208	892,988	482,121
T.P	435		321°50'55"	--	6.9	90-		-6.9		388.7	T.P	+336	-276	893,068	482,053
"					9.1	T.H.	+2.2	-6.9			T.P				
BS	1097		176°21'35"	-1.2°	+9.8	T.H.	-5.5	+4.3	393.0		BS	+1093	-93		
"					+7.5	89°50'	-3.2	+4.3			BS				
390	856		176°04'	--	9.4	T.H.	+4.3	-5.1		387.9		-853	+77	893,368	482,037

IF 891,935 x -482,570
y - Inter.

IF 892,685 x -482,310
IF 4 way Int.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	4-7-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	C.T. R.T.	LINE NO.	14	PAGE	33
AREA	Georgia	TORO MAP	Ideal North 7 1/2	STATE	Georgia	COUNTY	Taylor	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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									393.0					
391	526		176°12'	-1.2°	11.7	B.H.	-2.6	-14.3		378.7		-524	+46	893637 482.006
392	196		"	"	12.2	90°		-12.2		380.8		-195	+17	893966 481.977
A	0		-		5.2			-5.2		387.8	A	0	0	894161 481.960
393	132		349°23'	-1.2°	5.2	87°50'	+5.0	-0.2		392.8		+129	-27	894210 481.933
394	462		"	"	7.3	87°50'	+17.5	+10.2		403.2		+452	-95	894613 481.865
395	792		346°23'	"	9.0	87°50'	+29.9	+26.9		413.9		+773	-173	894934 481.787
396	1121		"	"	11.4	87°50'	+42.4	+30.9		423.9		+1094	-245	895255 481.715
397	1450		348°20'	"	11.7	87°50'	+54.8	+43.1		436.1		+1414	-323	895575 481.637
Tip 398	1780		348°02'23"	"	11.8	87°50'	+67.3	+56.1		449.1	TP	+1732	-405	895893 481.555
Tip					0.8	88°10'	+56.9	+56.1			TP			
B5	2640		173°52'10"	-1.2°	11.0	91°26'	+66.0	+77.0		526.1	B5	+2618	-337	
"					+14.1	91°22'	+63.0	+77.1			B5			
399	2310		173°52'	"	10.7	91°22'	-55.1	-65.8		460.3		-2291	+295	896220 481.513
400	1980		"	"	12.8	91°10'	-40.3	-53.1		473.0		-1964	+253	896547 481.471
401	1650		"	"	11.5	91°10'	-33.6	-45.1		481.0		-1637	+211	896874 481.429
402	1320		"	"	12.5	91°10'	-26.9	-39.4		486.7		-1309	+168	897202 481.386
403	990		173°52'	-1.2°	10.3	91°20'	-23.0	-33.3		492.8		-982	+126	897529 481.344
404	660		"	"	9.7	91°20'	-15.4	-25.1		501.0		-655	+84	897856 481.302
405	330		"	"	7.5	91°20'	-7.7	-15.2		510.9		-327	+42	898184 481.260
406	0		"	"	5.2	-		-5.2		520.9	A	0	0	898511 481.218

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-7-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	C.Y. R.T.	LINE NO.	14	PAGE	34
AREA	Georgia	TOPO MAP	Ideal North 7 1/2	STATE	Georgia	COUNTY	Taylor	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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									526.1					
407	330		357°04'	-1.2°	5.5	88°50'	+6.7	+1.2		527.3		+329	-24	898,840 481,194
408	660		"	"	9.0	88°50'	+13.4	+4.4		530.5		+658	-48	899,169 481,170
409	990		"	"	10.6	89°10'	+14.4	+3.8		529.9		+987	-71	899,496 481,147
Δ	1107		357°42'09"	"	11.2	89°20'	+12.9	+1.7		527.8	TP	+1105	-68	899,616 481,150
T.P.	1225		357°31'23"	"	13.6	89°20'	+14.3	+0.7		526.7	TP	+1222	-79	899,733 481,139
"					10.1	89°30'	+10.7	+0.6	*		TP			
BS	2199		178°44'12"	-1.2°	9.7	B.H.	+11.0	+20.7	547.3		BS	+2197	-95	
"					+14.1	90°10'	+6.4	+20.5	+20.63		BS			
410	2106		178°14'	"	11.1	B.H.	-10.5	-21.6		525.7		-2103	+109	899,827 481,153
411	1776		177°24'	"	19.3	90°06'	-3.1	-22.4		524.9		-1772	+113	900,158 481,157
412	1446		176°59'	"	9.0	90°40'	-16.8	-25.8		521.5		-1442	+106	900,486 481,150
Δ	1258		177°06'52"	"	8.5	90°40'	-14.6	-23.1		524.2	41	-1255	+90	900,675 481,134
413	1116		177°07'	"	2.3	90°40'	-13.0	-20.3		527.0		-1113	+79	900,817 481,123
414	786		"	"	9.4	90°20'	-4.6	-14.0		533.3		-784	+56	901,146 481,100
415	456		"	-1.2°	6.0	90°20'	-2.7	-8.7		538.6		-455	+32	901,475 481,076
416	128		169°42'	"	5.7	90°20'	-0.7	-6.4		540.9		-125	+26	901,805 481,070
Δ	0				5.2			-5.2		542.1	X	0	0	901,930 481,044
417	209		14°52'	"	11.5	91°00'	-3.6	-15.1		532.2		+203	+49	902,133 481,093
418	538		10°41'	"	13.1	91°00'	-9.4	-22.5		524.8		+531	+89	902,461 481,133

J-899,600 x-481,150
H-seep trail EL. 528.0

Y-900,685 x-481,125
H-T-Enter

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO	PAGE			
4-7-84		R. Trowbridge		B. Cotcamp		6834		R.T.		14	35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
Georgia		Tolocal North		Georgia		Taylor						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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									547.3					
419	868		10°41'	-1.2°	7.6	91°00'	-15.1	-22.7		524.6		+856	+143	902,786 481,187
420	1198		"	--	6.3	91°00'	-20.9	-27.2		520.1		+1182	+197	903,112 481,241
421	1528		"	--	2.0	91°10'	-31.1	-43.1		504.2		+1507	+252	903,437 481,296
T.P.	1607		11°06'00"	--	14.1	91°10'	-32.7	-46.8		500.5	T.P.	+1583	+276	903,513 481,320
"	"				14.0	89°50'	-32.7	-46.7			T.P.			
B.S.	700		188°55'39"	-1.2°	5.7	88°00'	-24.4	-18.7	481.8		B.S.	+693	+94	
"					1.7	88°20'	-20.4	-18.7			B.S.			
422	449		188°20'	--	8.0	88°20'	+13.1	+5.1		486.9		-446	-56	903,760 481,358
423	121		181°27'	--	9.1	88°20'	+3.5	-5.6		476.2		-121	-1	904,085 481,413
π	0		—		5.2			-5.2		476.6	π	0	0	904,206 481,414
424	206		349°31'	-1.2°	7.7	88°20'	+6.0	-1.7		480.1		+202	-42	904,408 481,372
Δ	470		346°21'45"	--	7.2	88°20'	+13.7	+6.5		488.3	Δ	+454	-120	904,660 481,294
425	536		346°21'	--	9.2	88°20'	+15.6	+6.4		488.2		+518	-137	904,724 481,277
426	860		343°59'	-1.2°	11.7	89°04'	+14.0	+2.3		484.1		+821	-255	905,027 481,159
427	1140		333°27'	--	7.8	89°10'	+16.6	+8.8		490.6		+1009	-531	905,215 480,883
428	1441		327°51'	--	7.9	89°00'	+25.1	+17.2		499.0		+1204	-792	905,413 480,622
429	1761		324°25'	--	12.0	88°40'	+41.0	+29.0		510.8		+1410	-1054	905,616 480,360
430	2089		324°30'	--	12.0	88°42'	+47.4	+35.4		517.2		+1675	-1248	905,881 480,166
431	2419		"	--	8.3	88°50'	+49.3	+41.0		522.8		+1940	-1446	906,146 479,968

y = 904,690 x = 481,305
y - INT.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	7-7-84	INSTRUMENT MAN	R. Trumbore	ROD MAN	D. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	C.J.	R.T.	LINE NO.	14	PAGE	36
AREA	Georgia	TOPO MAP	Ideal North 7 1/2	STATE	Georgia	COUNTY	Taylor	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	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									481.8							
T.P.	2637		324°39'42"	-1.2°	7.9	88°52'	+52.2	+44.3	}	526.1	TP	+2118	-1570	906,324	479,844	
"					7.8	87°08'	+52.2	+44.4		TP						
B.S.	2095		162°38'54"	--	9.1	91°50'	+67.0	+76.1	}	602.0	BS	+1985	-666			
"					8.6	268°10'	+67.0	+75.6			BS					
432	1980		162°40'	--	10.9	91°50'	-63.3	-74.2		527.8		-1877	+629	906,432	479,807	
433	1650		"	--	9.3	92°10'	-62.3	-71.6		530.4		-1564	+524	906,745	479,702	
434	1320		"	--	12.1	92°30'	-57.6	-69.7		532.3		-1252	+420	907,057	479,598	
435	990		"	--	10.7	93°00'	-51.8	-62.5		539.5		-939	+315	907,370	479,493	
436	660		"	--	11.9	93°24'	-39.1	-51.0		551.0		-626	+210	907,683	479,388	
437	330		162°40'	-1.2°	7.8	94°40'	-26.8	-34.6		567.4		-313	+105	907,996	479,283	
438	10				9.5	94°40'	-0.8	-10.3		591.7	X	0	0	908,309	479,178	set up above sta.
439	330		322°55'	--	11.8	87°50'	+12.5	+0.7		602.7		+259	-204	908,528	478,974	
A	612		325°02'00"	--	8.0	87°50'	+23.1	+15.1		617.1	(--	+494	-361	908,803	478,817	y=908,800 x=478,815 FENCELINE EL. 617.0
440	655		327°02'4'	--	8.8	87°50'	+24.8	+16.0		618.0		+544	-364	908,853	478,814	Ideal North ↑
441	954		337°03'5"	--	9.4	88°20'	+27.7	+18.3		626.3		+874	-382	909,183	478,796	Butler Easty ↓
442	1261		343°50'	--	10.2	88°34'	+31.5	+21.3		623.3		+1204	-376	909,513	478,802	
443	1568		348°49'32"	--	13.0	89°00'	+27.4	+14.4	}	616.6	TP	+1531	-336	909,840	478,842	
"					12.7	271°00'	+27.4	+14.7			TP					

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
4-7-84		R. Trowbridge		B. Cotcamp		6834		C.Y. R.T.		14		37			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Butler East		Georgia		Taylor								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 TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
B.S.	1905		192°19'42"	-1.2°	3.5	89°36'	-13.3	-9.8	602.6		BS.	+1869	+368		
"					+4.3	270°26'	-14.4	-10.1	-10.0		BS.				
444	1575		192°47'	--	7.0	89°42'	+8.2	+1.2		607.8		-1543	-316	910,166	478,894
Δ	1452		192°47'30"	--	5.7	89°50'	+4.2	-1.5		605.1	TP	-1403	-288	910,306	478,922
445	1275		"		11.1	T.H.	+6.2	-4.9		601.7		-1220	-250	910,489	478,960
446	925		191°39'	-1.2°	12.0	B.H.	-4.6	-16.6		590.0		-910	-168	910,599	479,042
447	609		189°55'	--	10.6	92°00'	-21.3	-31.9		574.7		-602	-92	911,107	479,118
448	278		"	--	11.2	92°30'	-12.1	-23.3		583.3		-275	-42	911,434	479,168
TP	0				5.2			-5.2		601.4	TP	0	0	911,709	479,210
Δ	17		319°27'36"	-1.2°	4.4	90°		-4.4		602.2	TP	+12	-12	911,721	479,198
449	53		01°53'	--	5.3	89°26'	+2.4	-2.9		603.7		+53	+1	911,762	479,211
450	383		"	--	6.4	89°00'	+6.7	+0.3		606.9		+383	+5	912,052	479,215
451	713		"	--	10.1	89°00'	+12.4	+2.3		608.9		+713	+9	912,422	479,219
452	1043		"	-1.2°	5.6	89°30'	+9.1	+3.5		610.1		+1043	+12	912,252	479,222
453	1373		01°53'	--	11.7	89°40'	+8.0	-3.7		602.9		+1373	+16	913,082	479,226
454	1703		01°53'	--	10.9	89°40'	+9.9	-1.0		605.6		+1703	+20	913,412	479,230
455	2033		"	--	7.9	89°20'	+23.7	+15.8		622.4		+2033	+24	913,742	479,234
456	2363		"	--	5.6	89°20'	+27.5	+21.9		628.5		+2363	+28	914,072	479,238
457	2693		01°34'42"	-1.4°	7.4	89°20'	+31.3	+23.9		630.6	TP	+2693	+8	914,402	479,218
TP.	"				7.1	20°40'	+31.3	+24.2	+24.0		TP				

y=910,310 x=478,970
- INTERSECT EL. 605.0

y=911,715 x=479,195
- INTERSECT

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	4-7-84	INSTRUMENT MAN	R. Traubridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.	LINE NO.	14	PAGE	38
AREA	Georgia	TOPO MAP	Butler East	STATE	Georgia	COUNTY	Taylor	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 TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
B.S	1939		181°12'41"	-1.4	6.8	90-		+6.8	637.4		BS	+1939	-6		
"					+10.2	89°54'	-3.4	+6.8			BS				
458	1609		181°13'	--	9.2	90-		-9.2		628.2		-1609	+5	914,732	479,217
459	1279		"	--	10.3	B.H.	-6.4	-16.7		620.7		-1279	+4	915,062	479,216
460	949		"	--	12.8	B.H.	-4.7	-17.5		619.9		-949	+3	915,342	479,215
461	609		"	--	13.0	B.H.	-3.1	-16.1		621.3		-619	+2	915,722	479,214
462	289		"	--	9.5	90-		-9.5		627.9		-289	+1	916,052	479,213
TP	0				5.2	-		-5.2		632.2	TP	0	0	916,341	479,212
A	91		177°02'12"	-1.4	7.6	90-		-7.6		629.8	IF	-91	+7	916,250	479,219
463	47		315°32'	--	5.4	90-		-5.4		632.0		+33	-34	916,374	479,178
464	377		"	--	5.8	89°10'	+5.5	-0.3		637.1		+263	-271	916,604	478,941
465	707		"	--	7.2	89°10'	+10.3	+3.1		640.5		+492	-507	916,833	478,705
466	1037		"	--	11.0	89°20'	+12.1	+1.1		638.5		+722	-744	917,063	478,468
TP	1280		315°38'54"	--	8.8	89°20'	+14.9	+6.1		643.5	TP	+893	-917	917,234	478,295
TP					5.1	89°30'	+11.2	+6.1			TP				
B.S	1558		142°41'42"	-1.4	11.2	90-		+11.2	654.7		BS	+1216	-974		
"					+11.8	89°52'	-3.6	+11.2			BS				
467	1472		142°00'	--	10.6	90-		-10.6		644.1		-1137	+934	917,313	478,255
468	1145		141°00'	--	10.6	B.H.	-5.7	-16.3		638.4		-872	+742	917,576	478,063

Y=916,260 X=479,200
IF T. Inter. E.L. 6290

STRIKES NOTES-HIGH RESOLUTION DATA

Geosource Inc.

PAGE 39 OF 39

DATE	4-7-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	C. Y. R.T.	LINE NO.	14	PAGE	39
AREA	Georgia	TOPO MAP	Butler East	STATE	Georgia	COUNTY	Taylor	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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									654.7						
469	945		126°40'	-1.4	10.9	B.H.	-4.7	-15.6		639.1		-547	+773	917.903	478.094
470	870		107°40'	--	10.1	90-		-10.1		644.6		-244	+835	918.206	478.156
471	598		99°53'	--	11.7	90-		-11.7		643.0		-88	+591	918.362	477.912
472	268		"	--	7.3	90-		-7.3		647.4		-40	+265	918.410	477.586
π	0				5.2	-		-5.2		649.5	π	0	0	918.450	477.321
473	60		280°04'	-1.4	5.3	90-		-5.3		649.4		+9	-59	918.459	477.262
474	390		"	--	5.0	T.H.	+2.0	-3.0		651.7		+59	-386	918.509	476.935
475	720		272°29'	--	7.1	89°30'	+6.3	-0.8		653.9		+14	-720	918.464	476.601
476	1050		"	--	9.8	89°30'	+9.2	-0.6		654.1		+20	-1050	918.470	476.271
Δ	1096		271°48'29"	--	9.3	89°30'	+9.6	+0.3		655.0	π	+8	-1096	918.458	476.225
π Δ	2431		208°26'36"	--	11.9	90-		-11.9		642.8	π	-2165	-1105	916.285	476.216
					4.8	90°10'	-7.1	-11.9							

E.O.L. line #14
 J-918.415 x - 476.200
 TT-Inter.
 K-916.240 x - 476.200
 FF-Percoline EL. 642
 Tie from 0.8

E.O.L.