

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 2-21-84	INSTRUMENT MAN B. Cotcamp	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY KMG	LINE NO. 11	PAGE 1
AREA GEORGIA	TOPO MAP Moultrie-7 1/2	STATE GEORGIA	COUNTY COLQUITT	TWP	RANGE	PPM
				PARTY MANAGER 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 TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
#	4way Intersect Elev		304.0							304.0	K							449,400 x - 606,095 4way Inter. E.L. 304.0
	409		178° 21' 41"	-1.1°	11.0	-		+11.0	315.0		BS	+409	-19					
	409			+	9.8	90° 16'	+1.2	+11.0			BS							
K	0				5.2	-		-5.2		309.8	K	0	0	449,809	606,076			
H.	1099		350° 09' 46"	"	8.1	91° -	-19.2	-27.3		287.7								
TP	1303		351° 12' 34"	"	6.4	91° -	-22.7	-29.1	29.05	286.0	TP	+1283	-224	451,092	605,852			
TP	1303				6.1	269° -	-22.7	-28.8				TP						
	2664		176° 13' 05"	-1.1°	8.6	90° 40'	+31.0	+39.6	325.5		BS	+2654	-227					
	2664			+	8.3	269° 20'	+31.0	+39.3				BS						
1	2309		176° 02'	"	5.8	90° 50'	-33.6	-39.4		286.1		-2300	+204	451,446	605,829			
2	1980		" "	"	7.2	90° 50'	-28.8	-36.0		289.5		-1972	+175	451,774	605,800			
3	1650		175° 55'	"	7.4	90° 50'	-24.0	-31.4		294.1		-1643	+149	452,103	605,774			
4	1320		" "	"	6.2	90° 50'	-19.2	-25.4		300.1		-1315	+119	452,431	605,744			
5	990		175° 42'	-1.1°	10.4	90° 30'	-8.6	-19.0		306.5		-986	+93	452,710	605,718			
6	660		" "	"	7.3	90° 30'	-5.8	-13.1		312.4		-657	+62	453,089	605,687			
7	330		" "	"	7.0	-		-7.0		318.5		-329	+31	453,417	605,656			
8	0				5.2	-		-5.2		320.3	K	0	0	453,746	605,625			
9	330		354° 05'	-1.1°	9.7	-		-9.7		315.8		+328	-40	454,074	605,585			
10	660		" "	"	11.3	-		-11.3		314.2		+655	-81	454,401	605,544			
11	990		" "	"	9.7	-		-9.7		315.8		+983	-121	454,729	605,504			Moultrie - 7 1/2 ↑
12	1320		353° 11'	"	11.0	TH	+6.6	-4.4		321.1		+1307	-182	455,053	605,463			Sigsbee - 7 1/2 ↓

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DATE 2-21-84	INSTRUMENT MAN B. Cotcamp	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY MWB C.Y.	LINE NO.	PAGE 2
AREA GEORGIA	TOPO MAP Sigsbee - 7 1/2	STATE GEORGIA	COUNTY Colquitt	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			
									325.5							453,746		
13	1649		351° 57'	-1.1°	10.0	TH	+8.2	-1.8		323.7		+1628	-262	455,394	605,363			
14	1977		351° 14'	--	11.5	TH	+9.9	-1.6		323.9		+1948	-339	455,694	605,286			
15	2305		350° 42'	--	6.6	TH	+11.5	+4.9		330.4		+2267	-416	456,013	605,209			
16	2635		350° 36'	--	10.3	TH	+13.2	+2.9		328.4		+2591	-480	456,337	605,145			
1F	2840		350° 11' 11"	--	10.6	TH	+14.2	+3.6		329.4	TP	+2789	-538	456,535	605,087		y = 456,530 x = 605,100	
1F	2840				10.1	TH 270°	+14.2	+4.1			TP							1F T. intersect EL. 331.0
	2718		163° 09' 15"	-1.1°	7.7	TH	-13.6	-5.9		323.2	BS	+2586	-837					
	2718				7.2	TH 270°	-13.6	-6.4			BS							
17	2595		162° 28'	--	7.3	TH	+13.0	+5.9		328.9		-2459	+829	456,662	605,079			
18	2265		162° 05'	--	12.3	TH	+11.3	-1.0		322.2		-2141	+738	456,980	604,988			
19	1935		" "	--	4.7	TH 34	-9.9	-14.4		308.8		-1829	+631	457,292	604,881			
20	1605		162° 20'	-1.1°	5.8	90° 40'	-18.7	-24.5		298.7		-1520	+516	457,601	604,766			
21	1276		162° 33'	--	6.8	91° 10'	-26.0	-32.8		290.4		-1210	+406	457,911	604,656			
22	947		163° 02'	--	11.4	91° 10'	-19.3	-30.7		292.5		-900	+294	458,221	604,544			
23	617		163° 51'	--	11.6	91° 10'	-12.6	-24.2		299.0		-589	+183	458,532	604,433			
24	288		166° 20'	--	7.2	91° 10'	-5.9	-13.1		310.1		-278	+73	458,843	604,323			
π	0				5.2	-		-5.2		318.0	π	0	0	459,121	604,250			
25	42		353° 50'	-1.1°	5.3	88° -	+1.5	-3.8		319.4		+42	-5	459,163	604,245			
26	372		351° 20'	--	4.8	89° 10'	+5.4	+0.6		323.8		+367	-63	459,488	604,187			
27	702		" "	--	9.0	89° 10'	+10.2	+1.2		324.4		+692	-119	459,813	604,131			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-21-84		B. Cotcamp		W. Greenfield		6834		HWG C.Y.				3			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Sigsbee-7 1/2		GEORGIA		Col Quit								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
Bm	838		347° 52' 23"	-1.1°	4.8	89° 40'	+4.9	+0.1	323.2		Bm	+816	-192	459,121	
28	1031		351° 52'	"	8.2	89° 30'	+9.0	+0.8		323.3		+1018	-165	459,937	604,058 S.G.S Bm EL. 323.3
29	1360		351° 00' 44"	"	9.8	89° 40'	+7.9	-1.9		324.0	TP	+1339	-238	460,139	604,085
29	1360			"	9.6	270° 20'	+7.9	-1.7	1.8 1/2	321.4	TP			460,460	604,012
	2309		167° 45' 46"	-1.1°	6.4	TH	-11.5	-5.1	316.1		BS	+2247	-533		
	2309			"	5.9	TH 270°	-11.5	-5.6	5.3 1/2		BS				
30	1980		167° 46'	"	11.3	TH	+9.9	-1.4		314.7		-1927	+457	460,780	603,936
31	1650		"	"	12.0	-		-12.0		304.1		-1606	+381	461,101	603,860
32	1320		167° 53'	"	10.7	Bm	-6.6	-17.3		298.8		-1285	+302	461,422	603,781
33	990		168° 03'	-1.1°	12.6	Bm	-5.0	-17.6		298.5		-964	+224	461,743	603,703
34	660		168° 10'	"	11.0	-		-11.0		305.1		-643	+148	462,064	603,627
35	330		169° 00'	"	6.0	-		-6.0		310.1		-323	+69	462,384	603,548
36	0				5.2	-		-5.2		310.9	X	0	0	462,707	603,479
37	330		351° 59'	"	7.0	90° 50'	-4.8	-11.8		304.3		+326	-52	463,033	603,427
38	660		352° 45'	-1.1°	9.9	91° -	-11.5	-21.4		294.7		+653	-96	463,360	603,383
39	990		353° 14'	"	4.0	91° -	-17.3	-21.3		294.8		+981	-136	463,688	603,343
JL	1158		352° 48' 54"	"	9.9	90° 30'	-10.1	-20.0		296.1	JL	+1146	-167	463,853	603,312 463,855 x - 603,300 Br. age
40	1320		353° 33'	"	9.8	90° 30'	-11.5	-21.3		294.8		+1309	-173	464,016	603,306
41	1650		353° 38'	"	6.7	90° 30'	-14.4	-21.1		295.0		+1636	-214	464,343	603,265
42	1980		353° 46'	"	8.8	90° 20'	-11.5	-20.3		295.8		+1964	-253	464,691	603,226

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DATE	2.21.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	KWG	LINE NO.		PAGE	4
AREA	GEORGIA	TOPO MAP	Sigsbee - 7 1/2'	STATE	GEORGIA	COUNTY	COLQUITT	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		
									316.1						462,707		
43	2310		353° 46'	-1.1°	4.8	90° 20'	-13.4	-18.2		297.9		+2291	-295	464,998	603,184		
44	2640		353° 50'	-	10.0	90° 10'	-7.7	-17.7		298.4		+2619	-334	465,326	603,145		
45	2970		" "	-	7.6	90° 10'	-8.6	-16.2		299.9		+2946	-376	465,653	603,103		
46	3300		" "	-	12.0	90° 04'	-3.8	-15.8		300.3		+3274	-417	465,981	603,062		
47	3630		353° 52'	-1.1°	11.8	90° 04'	-4.2	-16.0		300.1		+3601	-457	466,308	603,022		
48	3960		" "	-	11.9	90° 03'	-3.5	-15.4		300.7		+3928	-499	466,635	602,980		
49	4287		353° 40' 12"	-	7.5	90° 06'	-7.5	-15.0		301.4	TP	+4251	-554	466,958	602,925		
49	4287				6.9	269° 54'	-7.5	-14.4	-14.73		TP						
	961		139° 05' 59"	-1.1°	7.3	90° 30'	+8.4	+15.7	317.1		BS	+714	-643				
	961				+10.1	90° 20'	+5.6	+15.7			BS						
50	651		130° 54'	-	5.7	90° 40'	-7.6	-13.3		303.8		-417	+500	467,255	602,782		
51	328		122° 18'	-	6.0	90° 40'	-3.8	-9.8		307.3		-170	+281	467,502	602,563		
52	0				5.2	-		-5.2		311.9	X	0	0	467,672	602,282		
IF	175		287° 12' 24"	-1.1°	5.7	88° 30'	+4.6	-1.1		316.0	IF	+49	-168	467,721	602,114	IF y = 467,700 x = 602,100 IF y-inter. pt. 317.0	
53	328		286° 50'	-	6.7	88° 30'	+8.6	+1.9		319.0	IF	+89	-316	467,761	601,966		
54	657		283° 26'	-	8.0	88° 30'	+17.2	+9.2		326.3		+178	-632	467,850	601,650		
55	986		283° 34'	-	9.7	88° 30'	+25.8	+16.1		333.2		+213	-963	467,885	601,319		
56	1324		284° 11' 43"	-1.3°	9.8	88° 40'	+30.8	+21.0		338.2	TP	+295	-1290	467,967	600,992	Access sta.	
56	1324				9.6	271° 20'	+30.8	+21.2	+21.13		TP						

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Geosource Inc.

DATE 2-21-84	INSTRUMENT MAN B. Cotcamp	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY HWB CJ	LINE NO.	PAGE 5
AREA GEORGIA	TOPO MAP Sigsbee - 7 1/2'	STATE GEORGIA	COUNTY COLQUITT	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.	
										338.2				
	914		139° 27' 14"	-1.3	4.0	-		+ 4.0	342.1		BS	+681	-610	
	914				+ 3.8	270° -		+ 3.8		BS				
57	579		142° 01'	--	7.0	-		-7.0	335.1			-448	+367	468,200 600,749
58	253		147° 11'	--	7.9	-		-7.9					-209	+142
X	0				5.2	-		-5.2		336.9	X	0	0	468,648 600,382
59	77		331° 51'	-1.3	4.7	89° 20'	+0.9	-3.8		338.3		+67	-38	468,715 600,344
60	407		--	--	4.0	89° 20'	+4.7	+0.7		342.8		+354	-200	469,002 600,182
61	737		--	--	5.3	89° 20'	+8.6	+3.3		345.4		+642	-362	469,290 600,020
62	1067		331° 51'	-1.3	6.8	89° 20'	+12.4	+5.6		347.7		+929	-525	469,577 599,857
63	1397		--	--	8.0	89° 20'	+16.2	+8.2		350.3		+1216	-687	469,864 599,695
64	1626		--	--	10.1	89° 32'	+13.2	+3.1		345.2		+1416	-799	470,064 599,583
#	2062		331° 00' 35"	--	10.7	89° 38'	+13.2	+2.5		344.6	#	+1780	-1040	470,428 599,342
65	2064		331° 36' 05"	-1.5	14.3	89° 32'	+16.8	+2.5	344.6		TP	+1789	-1029	470,437 599,353
65	2064				14.2	270° 28'	+16.8	+2.6			TP			
	2100		150° 16' 28"	-1.5	10.8	90° 30'	+18.3	+29.1	373.5		BS	+1796	-1089	
	2100				10.5	269° 30'	+18.3	+28.8			BS			
66	1772		150° 16'	--	12.1	90° 34'	-17.5	-29.6		343.9		-1515	+919	470,718 599,183
67	1443		150° 26'	--	12.4	90° 34'	-14.3	-26.7		346.8		-1236	+745	470,997 599,009
68	1113		--	--	9.1	90° 34'	-11.0	-20.1		353.4		-953	+574	471,280 598,838
69	784		150° 40'	--	12.2	-		-12.2		361.3		-673	+402	471,560 598,666

470,400 x 599,300  
4 way Inter.

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Geosource Inc.

DATE	2.24.84	INSTRUMENT MAN	B. Catcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	C.J.	LINE NO.		PAGE	6		
AREA	GEORGIA	TOPO MAP	Sigsbee - 7 1/2	STATE	GEORGIA	COUNTY	Col Quit	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
									373.5						
70	455		150° 40'	-1.5°	6.3	-		-6.3		367.2		-391	+233	471,842	598,497
71	126		" "	" "	4.8	TH	+0.6	-4.2		369.3		-108	+65	472,125	598,329
π	0				5.2	-		-5.2		368.3	π	0	0	472,233	598,264
72	204		329° 29'	-1.5°	6.3	90° 40'	-2.4	-8.7		364.8		+173	-108	472,406	598,156
73	534		327° 29'	" "	7.8	90° 40'	-6.2	-14.0		359.5		+443	-299	472,676	597,965
74	863		325° 41'	" "	7.4	90° 40'	-10.0	-17.4		356.1		+700	-505	472,933	597,759
75	1193		324° 43'	" "	9.2	90° 40'	-13.9	-23.1		350.4		+955	-714	473,180	597,550
76	1522		324° 03'	" "	8.7	90° 30'	-13.3	-22.0		351.5		+1208	-925	473,441	597,339
77	1852		323° 54'	" "	11.3	90° 10'	-5.4	-16.7		356.8		+1467	-1130	473,700	597,134
78	2182		323° 28' 46"	" "	5.2	90° 10'	-6.3	-11.5		362.0	TP	+1719	-1344	473,952	596,920
78	2182			" "	5.1	269° 50'	-6.3	-11.4			TP				
	1649		134° 49' 16"	-1.5°	9.8	89° -	-28.8	-19.0	342.9		BS	+1131	-1200		
	1649			" "	+9.6	271° -	-28.8	-19.2	-19.1		BS				
79	1320		134° 08'	" "	5.9	89° 10'	+19.2	+13.3		356.2		-894	+971	474,189	596,691
80	990		133° 56'	" "	10.7	89° 10'	+14.4	+3.7		346.6		-668	+731	474,415	596,451
81	660		133° 26'	" "	7.1	89° 40'	+3.8	-3.3		339.6		-440	+492	474,643	596,212
82	330		132° 09'	" "	8.3	89° 40'	+1.9	-6.4		336.5		-215	+250	474,868	595,970
83	0			" "	5.2	-		-5.2		337.7	π	0	0	475,083	595,720
84	330		305° 28'	-1.5°	8.7	88° 40'	+7.7	-1.0		341.9		+184	-274	475,267	595,446
85	660		" "	" "	10.0	88° 40'	15.4	+5.4		348.3		+369	-547	475,452	595,173

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Geosource Inc.

DATE	2-24-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	KW6 CY	LINE NO.		PAGE	7	
AREA	GEORGIA	TOPO MAP	Sigsbee - 7 1/2'	STATE	GEORGIA	COUNTY	Colquitt	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	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									342.9							475.083		
86	996		305° 28'	-1.5°	10.6	88° 40'	+23.0	+12.4		355.3		+553	-821	475.636	594.899			
87	1320		" "	" "	11.0	88° 40'	+30.7	+19.7		362.6		+738	-1095	475.821	594.625			
88	1650		" "	" "	12.4	88° 40'	+38.4	+26.0		368.9		+922	-1368	476.005	594.352			
YS	1943		305° 34' 12"	" "	4.9	89° -	+33.9	+29.0		371.9	*	+1088	-1609	476.171	594.111	3-476, 170 x- 594, 100 4 way enter 371.0		
89	1978		306° 06' 56"	" "	6.2	89° -	+34.5	+28.3		371.4	TP	+1123	-1628	476.206	594.092			
89	1978				5.9	271° -	+34.5	+28.6	+28.53		TP							
	1159		150° 25' 14"	-1.5°	+5.8	-		+5.8	377.1		BS	+993	-598					
	1159				+5.6	270° -		+5.6	+5.73		BS							
90	837		154° 26'	" "	5.0	-		-5.0		372.1		-745	+381	476.454	593.875			
91	508		" "	" "	5.2	74	+2.5	-2.7		374.4		-452	+231	476.747	593.725			
92	178		" "	" "	7.3	88° 20'	+5.2	-2.1		375.0		-159	+81	477.040	593.575			
π	0				5.2	-		-5.2		371.9	π	0	0	477.199	593.494			
93	152		335° 30'	-1.5°	7.8	91° 20'	-3.5	-11.3		365.8		+137	-67	477.336	593.427			
94	482		" "	" "	12.7	91° 20'	-11.2	-23.9		353.2		+433	-211	477.632	593.283			
95	812		" "	" "	11.1	91° 30'	-21.3	-32.4		344.7		+730	-356	477.929	593.138			
96	1142		" "	" "	7.7	91° 30'	-29.9	-37.6		339.5		+1026	-501	478.225	592.993			
97	1470		337° 00' 31"	" "	7.0	91° 30'	-38.5	-45.5		331.6	TP	+1337	-609	478.536	592.885			
97	1470		" "	" "	6.9	268° 30'	-38.5	-45.4			TP							
	1319		174° 51' 53"	" "	+13.9	-		+13.9	345.4		BS	+1310	-152					
	1319				+13.6	270°		+13.6	+13.83		BS							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2.24.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	KWB	LINE NO.		PAGE	8
AREA	GEORGIA	TOPO MAP	Sigsbee - 7 1/2'	STATE	GEORGIA	COUNTY	COLQUITT	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			
									345.4									
98	990		175° 43'	-1.5°	11.7	90° 20'	-5.8	-17.5		327.9		-985	+100	478,861	592,833			
99	660		175° 27'	-	9.1	90° 20'	-3.8	-12.9		332.5		-656	+70	479,190	592,803			
100	338		174° 02' 55"	-	5.5	89° 30'	+3.0	-2.5		342.9	TP	-335	+44	479,511	592,777	TP	479,505 x - 592,750 4 way Inter. RL 3430	
100	330		173° 32'	-	5.9	89° 30'	+2.9	-3.0		342.4		-327	+46	479,519	592,779			
101	0				5.2	-		-5.2		340.2	TP	0	0	479,846	592,733			
102	330		353° 40'	-1.5°	5.6	91° 10'	-6.7	-12.3		333.1		+327	-45	480,173	592,688			
103	660		"	-	10.7	91° 10'	-13.4	-24.1		321.3		+654	-90	480,500	592,643			
104	990		"	-	9.8	91° 10'	-20.2	-30.0		315.4		+981	-135	480,827	592,598			
105	1320		353° 48'	-	12.0	90° 40'	-15.4	-27.4		318.0		+1308	-177	481,154	592,556			
106	1650		"	-	12.1	90° 10'	-4.8	-16.9		328.5		+1635	-221	481,481	592,512			
107	1982		353° 30' 35"	-	7.1	90° 10'	-5.8	-12.9		332.6	TP	+1963	-276	481,809	592,457			
107	1982				6.9	269° 50'	-5.8	-12.7	-12.8		TP							
	933		173° 39' 48"	-1.5°	2.4	89°	-16.3	-13.9	318.7		BS	+924	-127					
	933				5.1	88° 50'	-19.0	-13.9			BS							
108	604		172° 10'	-	7.0	88° 50'	+12.3	+5.3		324.0		-596	+98	482,137	592,428			
109	274		169° 20'	-	8.8	88° 50'	+5.6	-3.2		315.5		-268	+58	482,465	592,388			
TP	0				5.2	-		-5.2		313.5	TP	0	0	482,733	592,330			
110	55		334° 11'	-1.5°	5.3	88° 50'	+1.1	-4.2		314.5		+49	-25	482,782	592,305			
111	385		332° 03'	-	8.3	89° 40'	+2.2	-6.1		312.6		+335	-189	483,060	592,141			
TP	562		327° 09' 33"	-	5.0	-		-5.0		313.7	TP	+464	-317	483,197	592,013	TP	Y=483,195 X=592,040 C.R. 092 EL. 314.0	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2.25.84	INSTRUMENT MAN	D. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	XUG CJ	LINE NO.	11	PAGE	9	
AREA	GEORGIA	TOPO MAP	Sigsbee, Doe Run - 7 1/2	STATE	GEORGIA	COUNTY	Colquitt, Worth	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			
										313.7						482,733		
	686		114° 05' 55"	-1.5	+3.7	-		+3.7			BS	+264	-633					
	686				+7.2	TM	-3.4	+3.8	317.5		BS							
JL	668		114° 30' 08"	"	3.7	-		-3.7		313.8	JL	-261	+615	483,200	591,995			
112	539		112° 31'	"	6.0	-		-6.0		311.5		-193	+503	483,268	591,883			
113	209		114° 47'	"	5.4	-		-5.4		312.1		-83	+192	483,378	591,572			
π	0				5.2	-		-5.2		312.3	π	0	0	483,461	591,380			
114	125		315° 44'	-1.5	5.0	TM	+0.6	-4.4		313.1		+87	-90	483,548	591,290			
115	455		312° 13'	"	8.0	89° 10'	+6.6	-1.4		316.1		+297	-345	483,758	591,035		Sigsbee - 7 1/2 ↑	
116	783		314° 44'	"	9.8	89° 10'	+11.4	+1.6		319.1		+536	-570	483,999	590,810		Doe Run - 7 1/2 ↓	
117	1104		319° 28'	"	6.3	89° 20'	+12.8	+6.5		324.0		+820	-739	484,281	590,641			
118	1429		322° 09'	"	5.9	89° 10'	+20.8	+14.9		332.4		+1105	-906	484,566	590,474			
119	1756		323° 52'	"	8.2	89° -	+30.6	+22.4		339.9		+1391	-1072	484,852	590,308			
⚡	1913		324° 26' 00"	"	5.7	89° -	+33.4	+27.7		345.2	TP	+1526	-1153	484,987	590,227		Colquitt Co. ↑	
⚡	1913				5.7	271° -	+33.4	+27.7			TP						WORTH CO. ↓	
	2155		181° 27' 26"	-1.1	+5.5	90° 28'	+17.6	+23.1			BS	+2155	+13					
	2155				+5.4	269° 32'	+17.6	+23.0	368.2		BS							
120	1981		181° 35'	"	10.3	90° 20'	-11.5	-21.8		346.4		-1981	-17	485,161	590,223			
121	1650		" "	"	7.0	90° 20'	-9.6	-16.6		351.6		-1650	-14	485,492	590,226			
122	1320		181° 27'	"	5.9	90° 20'	-7.7	-13.6		354.6		-1320	-8	485,822	590,232			
123	990		181° 11'	"	5.9	90° 20'	-5.8	-11.7		356.5		-990	-1	486,152	590,239			

Colquitt Co. ↑  
 1/2 - 984,985 x - 590,225  
 County line RD. EL. 3450  
 WORTH CO. ↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 2.25.84	INSTRUMENT MAN B. Cotcamp	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY HWA C.Y.	LINE NO. 11	PAGE 10
AREA GEORGIA	TOPO MAP Doerun - 7 1/2'	STATE GEORGIA	COUNTY	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			
									368.2									
124	660		181° 00'	-1.1°	5.0	90° 20'	-3.8	-8.8		359.4		-660	+1	486,482	590,241			
125	330		179° 55'	''	6.2	-		-6.2		362.0		-330	+7	486,812	590,247			
126	0				5.2	-		-5.2		363.0	π	0	0	487,142	590,240			
127	324		347° 41'	''	5.7	-		-5.7		362.5		+315	-75	487,457	590,165			
128	636		357° 08'	''	7.6	TH	+3.2	-4.4		363.8		+634	-44	487,776	590,196			
129	967		357° 22'	-1.1°	9.0	TH	+4.8	-4.2		364.0		+965	-63	488,107	590,177			
130	1297		356° 20'	''	9.6	TH	+6.5	-3.1		365.1		+1293	-108	488,435	590,132			
131	1627		355° 23'	''	11.1	TH	+8.1	-3.0		365.2		+1619	-162	488,761	590,078			
132	1957		355° 06'	''	10.9	TH	+9.8	-1.1		367.1		+1946	-205	489,088	590,035			
133	2287		354° 51'	''	10.3	TH	+11.4	1.1		367.1		+2273	-249	489,415	589,991			
134	2618		354° 22 3/8"	''	8.8	TH	+13.1	+4.3		372.5	TP	+2600	-306	489,741	589,934			
134	2618				8.9	TH 270°	+13.1	+4.2			TP		-1					
	2971		165° 28 1/8"	-0.9°	10.6	-		+10.6	383.1		BS	+2864	-790					
	2971				10.5	270°		+10.5			BS		-1					
135	2640		165° 25'	''	7.9	-		-7.9		375.2		-2544	+705	490,060	589,849			
136	2310		" "	''	4.7	-		-4.7		378.4		-2226	+617	490,378	589,761			
137	1980		" "	''	6.2	-		-6.2		376.9		-1908	+529	490,167	589,673			
138	1650		165° 48'	''	11.7	-		-11.7		371.4		-1593	+430	491,011	589,574			
139	1320		166° 34'	''	8.9	BH	-6.6	-15.5		367.6		-1279	+327	491,325	589,471			
140	990		167° 25'	''	9.7	BH	-5.0	-14.7		368.4		-963	+231	491,641	589,375			

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE 2-25-84	INSTRUMENT MAN B. Cotcamp	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY Hwa C Y	LINE NO. 11	PAGE 11
AREA Georgia	TOPO MAP Doreen - 7 1/2'	STATE Georgia	COUNTY	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			
									383.1									
141	660		167° 25'	-0.9°	11.3	-		-11.3		371.8		-642	+154	491,962	589,298			
#1	614		168° 37' 48"	--	10.9	-		-10.9		372.2	#1	-600	+130	492,004	589,274	#1	5-491,995 X-589,295	T-inter.
142	330		167° 25'	--	8.1	-		-8.1		375.0		-321	+77	492,283	589,221			
143	0				5.2	-		-5.2		377.9	1	0	0	492,604	589,144			
144	330		344° 44'	-0.9°	5.5	-		5.5		377.6		+317	-92	492,921	589,052			
145	660		344° 16'	--	10.0	-		-10.0		373.1		+632	-189	493,236	588,955			
146	990		343° 44'	--	7.3	Bx	-5.0	-12.3		370.8		+946	-292	493,550	588,852			
147	1320		343° 31'	--	5.7	Bx	-6.6	-12.3		370.8		+1260	-394	493,864	588,750			
1#	1353		343° 02' 57"	--	11.8	-		-11.8		371.3	1#	+1288	-415	493,892	588,729	1#	5-493,890 X-588,795	T-inter. EL. 369.0
148	1650		343° 27'	-0.9°	9.7	-		-9.7		373.4		+1574	-495	494,178	588,649			
149	1980		343° 23'	--	7.7	-		-7.7		375.4		+1888	-596	494,492	588,548			
150	2310		" "	--	7.4	-		-7.4		375.7		+2203	-695	494,807	588,449			
151	2640		343° 21'	--	8.2	-		-8.2		374.9		+2517	-796	495,121	588,348			
152	2970		" "	--	9.9	-		-9.9		373.2		+2832	-896	495,436	588,248			
153	3300		343° 19'	-0.9°	11.5	-		-11.5		371.6		+3146	-997	495,750	588,147			
154	3630		" "	--	9.7	-		-9.7		373.4		+3460	-1097	496,064	588,047			
155	3962		343° 18'	--	6.9	-		-6.9		376.2		+3777	-1198	496,381	587,946			
#	4180		343° 06' 10"	--	4.9	-		-4.9		378.2	TP	+3980	-1278	496,583	587,866	#	5-496,540 X-587,895	4 way inter
#	4180				5.0	270-		-5.0			TP	-	-					

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE	2.25.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	KWG C.Y.	LINE NO.	11	PAGE	12	
AREA	GEORGIA	TOPO MAP	Doerun - 7 1/2'	STATE	GEORGIA	COUNTY		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			
										378.2								
	2225		168° 38' 58"	-1.1°	+13.5	90° 08'	+5.2	+18.7	396.8		BS	+2173	-480					
	2225				+13.4	269° 52'	+5.2	+18.6	+18.6		BS	-1						
156	2113		168° 38'	--	6.4	90° 20'	-12.3	-18.7		378.1		-2063	+456	496,692	587,842			
157	1783		169° 06'	--	12.6	90° 20'	-10.4	-23.0		373.8		-1744	+371	497,011	587,757			
158	1452		169° 20'	--	8.7	90° 40'	-16.9	-25.6		371.2		-1421	+296	497,334	587,682			
159	1122		169° 42'	-1.1°	8.7	90° 40'	-13.0	-21.7		375.1		-1100	+222	497,655	587,608			
160	792		170° 08'	--	6.3	90° 40'	-9.2	-15.5		381.3		-778	+151	497,977	587,537			
161	461		171° 08'	--	9.4	-	-	-9.4		387.4		-454	+80	498,301	587,466			
162	132		168° 18'	--	5.1	-	-	-5.1		391.7		-129	+29	498,626	587,415			
TP	0				5.2	-	-	-5.2		391.6	TP	0	0	498,755	587,386			
163	206		16° 08'	-1.1°	8.9	-	-	-8.9		387.9		+199	+53	498,954	587,439			
TP	346		12° 19' 41"	--	7.7	90° 30'	-3.0	-10.7		386.1	TP	+339	+67	499,094	587,453		TP - 499,095 x - 587,450 T. Inter. EL. 386.0	
164	526		15° 41'	--	10.8	90° 20'	-3.1	-13.9		382.9		+519	+135	499,274	587,521			
165	866		15° 53'	--	9.4	90° 20'	-5.0	-14.4		382.4		+837	+221	499,592	587,607		Doerun - 7 1/2' T	
166	1196		16° 03'	--	6.3	90° 20'	-7.0	-13.3		383.5		+1156	+309	499,911	587,695		Bridge Boro - 7 1/2' J	
167	1526		16° 14'	--	6.0	90° 20'	-8.9	-14.9		381.9		+1473	+398	500,228	587,784			
168	1856		16° 21'	--	9.0	90° 20'	-10.8	-19.8		377.0		+1791	+488	500,546	587,874			
169	2186		16° 28'	--	6.1	90° 20'	-12.7	-18.8		378.0		+2108	+579	500,863	587,965			
170	2517		16° 32' 44"		4.2	90° 14'	-10.3	-14.5		382.3	TP	+2426	+670	501,180	588,056			
170	2517				4.3	269° 46'	-10.3	-14.6			TP	-1						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2.25.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	KWG C.Y.	LINE NO.	11	PAGE	13
AREA	GEORGIA	TOPO MAP	BRIDGE Boro - 7 1/2'	STATE	GEORGIA	COUNTY	Worth	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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										382.3				
	2641		196° 49' 43"	-1.1°	7.9	-		+7.9	390.2		BS	+2542	+716	
	2641				7.8	270° -		+7.8		BS	-			
171	2310		196° 50'	--	10.9	-		-10.9		379.3		-2223	-626	501,498 588,746
172	1980		" "	--	11.1	-		-11.1		379.1		-1906	-537	501,815 588,235
173	1650		" "	--	5.1	-		-5.1		385.1		-1588	-447	502,133 588,325
174	1320		196° 50'	-1.1°	7.8	-		-7.8		382.4		-1271	-358	502,450 588,414
175	990		" "	--	10.8	-		-10.8		379.4		-953	-268	502,768 588,504
176	660		" "	--	9.7	BM	-3.3	-13.0		377.2		-635	-179	503,086 588,593
177	330		" "	--	10.9	-		-10.9		379.3		-318	-89	503,403 588,683
178	0				5.2	-		-5.2		385.0	TP	0	0	503,721 588,792
179	330		16° 47'	-1.1°	5.1	89° 10'	+4.8	-0.3		389.9		+318	+89	504,039 588,861
180	660		" "	--	7.8	89° 30'	+5.8	-2.0		388.2		+635	+178	504,356 588,950
181	772		14° 29' 30"	--	9.9	89° 30'	+6.7	-3.2		387.0	TP	+751	+179	504,472 588,951
181	987		13° 07'	--	11.3	89° 40'	+5.7	-5.6		384.6		+965	+205	504,686 588,977
182	1306		8° 31' 20"	--	9.4	89° 50'	+3.8	-5.6		384.6	TP	+1295	+169	505,015 588,941
182	1366				9.3	270° 10'	+3.8	-5.5			TP	-	-	
	2432		172° 36' 38"	-1.1°	5.3	-		+5.3	389.9		BS	+2405	-359	
	2432				5.2	270° -		+5.2		BS	-			
183	2102		172° 34'	--	12.3	TM	+10.5	-1.8		388.1		-2079	+312	505,340 592,545
184	1771		" "	--	10.6	TM	+8.9	-1.7		388.2		-1751	+263	505,668 592,496

4-504,495 X-588,945  
4-way Inter. 389.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 2-26-84	INSTRUMENT MAN B. Cotnam	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY HWG	LINE NO. 11	PAGE 14
AREA Georgia	TOPO MAP BRIDGEBORO-7 1/2'	STATE GEORGIA	COUNTY WORTH	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.	
									389.9					
185	1411		172° 34'	-1.1°	11.9	TH	+7.1	-4.8		385.1		-1425	+214	505,994 588,796
186	1111		173° 01'	--	7.3	-		-7.3		382.6		-1100	+156	506,319 588,738
187	781		173° 21'	--	6.3	-		-6.3		383.6		-774	+105	506,645 588,687
188	451		173° 29'	--	6.6	TH	+2.3	-4.3		385.6		-447	+60	506,972 588,642
189	121		176° 24'	--	4.3	TH	+0.6	-3.7		386.2		-121	+10	507,298 588,592
Σ	0				5.2	-		-5.2		384.7	TP	0	0	507,419 588,582
190	209		3° 07'	-1.1°	6.4	-		-6.4		383.5		+209	+7	507,628 588,589
191	537		6° 00'	--	8.7	-		-8.7		381.2		+535	+46	507,954 588,628
192	869		6° 27'	--	8.3	-		-8.3		381.6		+865	+81	508,284 588,663
193	1199		6° 52'	--	7.3	-		-7.3		382.6		+1193	+120	508,612 588,702
194	1529		7° 01'	--	6.2	-		-6.2		383.7		+1521	+158	508,940 588,740
TP	1841		6° 51' 47"	--	5.0	-		-5.0		384.9	TP	+1832	+185	509,251 588,767
195	1859		7° 27' 24"	--	6.0	-		-6.0		383.9	TP	+1848	+206	509,266 588,787
195	1859				6.0	270°		-6.0			TP	-	-	
	1981		194° 10' 47"	-1.1°	8.8	BH	+9.9	+8.7	402.6		BS	+1930	+448	
	1981				8.7	BH <sub>200</sub>	+9.9	+18.6			BS	-	-	
196	1650		194° 26'	--	10.1	BH	-8.3	-18.4		384.2		-1606	-381	509,589 588,853
197	1320		" "	--	10.4	BH	-6.6	-17.0		385.6		-1284	-304	509,911 588,930
198	990		" "	--	10.2	BH	-5.0	-15.2		387.4		-963	-228	510,232 589,006
199	660		" "	--	12.2	-		-12.2		390.4		-642	-152	510,553 589,082

Σ 509,250 x 588,770  
TP 4 way inter.

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
2-26-84		B. Cotcamp		W. Greenfield		6834		KWG CJ		11	15				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
GEORGIA		Bridgeboro - 7 1/2'		GEORGIA		WORTH					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
									402.6						
200	330		194° 27'	-1.1°	8.1	-		-8.1		394.5		-321	-76	510,874	589,158
201	6				5.2	-		-5.2		397.4	X	0	0	511,195	589,234
14	176		8° 41'	--	4.2	-		-4.2		398.4	14	+174	+23	511,369	589,257
202	330		14° 27'	--	5.0	-		-5.0		397.6		+322	+76	511,516	589,310
203	660		" "	--	4.9	-		-4.9		397.7		+642	+152	511,837	589,386
204	990		12° 43'	-1.1°	9.0	TH	+5.0	-4.0		398.6		+970	+199	512,165	589,433
205	1317		10° 51'	--	10.3	TH	+6.6	-3.7		398.9		+1298	+223	512,493	589,457
206	1645		9° 42'	--	10.7	TH		-2.8		399.8		+1627	+246	512,822	589,480
14	1936		8° 51' 37"	--	11.0	89° 40'	+11.3	+0.3		402.9	14	+1918	+261	513,113	589,495
207	1974		9° 24'	--	11.0	89° 40'	+11.5	+0.5		403.1		+1953	+285	513,148	589,519
208	2301		10° 32'	--	5.2	89° 38'	+14.7	+9.5		412.1		+2270	+377	513,465	589,611
209	2626		11° 44' 43"	-1.1°	14.3	89° 20'	+30.6	+16.3		418.9	TP	+2581	+485	513,775	589,718
209	2626				14.4	270° 40'	+30.6	+16.2			TP	-	-		
	2306		181° 47' 07"	-1.3°	+13.8	89° 30'	-20.1	-6.3	412.4		BS	+2306	+20		
	2306				+13.5	270° 30'	-20.1	-6.6	-6.53		BS	-	-		
210	1981		180° 05'	--	10.0	89° 30'	+17.3	+7.3		419.7		-1981	+42	514,099	589,779
211	1650		179° 58'	--	9.0	89° 30'	+14.4	+5.4		417.8		-1650	+38	514,430	589,775
212	1320		179° 58'	--	7.1	89° 30'	+11.5	+4.4		416.8		-1320	+31	514,760	589,768
213	990		" "	--	6.3	89° 30'	+8.6	+2.3		414.7		-990	+23	515,090	589,760
214	660		" "	--	5.3	89° 30'	+5.8	+0.5		412.9		-660	+15	515,420	589,752

3-511,390 x - 589,250  
X - (checked) EL. 396.0

3-513,100 x - 589,490  
14 4 way inter. EL. 401.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
2-26-84		B. Cotcamp		W. Greenfield		6834		KWG CJ		11		16				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		Bridgeboro - 7 1/2'		GEORGIA		WORTH								L. D. 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	X
									412.4							
215	330		179° 58'	-1.3°	6.0	-		-6.0		406.4		-330	+8	515,750	589,745	
216	0				5.2	-		-5.2		407.2	T	0	0	516,080	589,737	
217	330		0° 14'	"	5.0	-		-5.0		407.4		+330	-6	516,410	589,731	
218	660		" "	"	5.3	-		-5.3		407.1		+660	-12	516,740	589,725	
219	990		1° 46'	"	7.8	-		-7.8		404.6		+990	+8	517,070	589,745	
220	1317		3° 50'	"	8.4	-		-8.4		404.0		+1316	+58	517,396	589,795	
-H-	1507		4° 23' 16"	-1.3	6.6	89° 40'	+8.8	+2.2		414.6	-H	+1505	+81	517,585	589,818	H - 517,515 x - 589,800 # fence line + RD. EL. 414
221	1643		5° 44'	"	9.0	89° 40'	+9.6	+0.6		413.0		+1638	+127	517,718	589,864	
TP	1801		6° 33' 41"	"	10.1	89° 40'	+10.5	+0.4		412.8	TP	+1793	+165	517,872	589,901	
TP	1801				10.2	270° 20'	+10.5	+0.3			TP	-1	-1			
	828		189° 49' 41"	-1.3	6.6	-		+6.6		419.4	BS	+819	+123			
	828				+10.8	TU	-4.1	+6.7			BS	-1	-1			
222	658		188° 10'	"	5.5	-		-5.5		413.9		-653	-79	518,037	589,944	
223	330		184° 17'	"	5.0	TU	+1.7	-3.3		416.1		-330	-17	518,360	590,006	
224	0				5.2	-		-5.2		414.2	T	0	0	518,690	590,023	
225	330		1° 46'	-1.3	10.9	-		-10.9		408.5		+330	+3	518,020	590,026	
226	660		" "	"	10.1	-		-10.1		409.3		+660	+5	519,350	590,028	
227	990		" "	"	5.7	-		-5.7		413.7		+990	+8	519,680	590,031	
228	1320		" "	"	10.3	TU	+6.6	-3.7		415.7		+1320	+11	520,010	590,034	
H	1344		1° 08' 17"	"	3.2	-		-3.2		416.2	H	+1344	-4	520,034	590,019	H - 520,015 x - 590,025 # T. Inter. EL. 415.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2.26.84	INSTRUMENT MAN	B. Cotocamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	C.Y.	LINE NO.	11	PAGE	17	
AREA	GEORGIA	TOPO MAP	Bridgeboro - 7 1/2'	STATE	GEORGIA	COUNTY	WORTH	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				
									419.4										
229	1650		1° 54'	-1.3	5.6	-		-5.6		413.8		+1650	+17	520,340	590,040				
230	1980		" "	" "	7.8	-		-7.8		411.6		+1980	+21	520,670	590,044				
231	2310		" "	" "	3.7	-		-3.7		415.7		+2310	+24	521,000	590,047				
232	2640		" "	" "	8.3	TH	+13.2	+4.9		424.3		+2640	+28	521,330	590,051				
233	2972		1 51 30	" "	4.3	89° 40'	+17.3	+13.0		432.4	TP	+2972	+29	521,661	590,051				
233	2972				4.2	270 20'	+17.3	+13.1			TP	-	-						
	2310		182° 04' 21"	-1.3	7.8	89° 30'	-20.2	-12.4	420.0		BS	+2310	+31						
	2310				7.7	270 30'	-20.2	-12.5			BS	-	-						
234	1980		182° 04'	" "	6.7	89° 30'	+17.3	-10.6		409.4		-1980	-26	521,990	590,055				
235	1650		" "	" "	12.2	89° 30'	+14.4	-2.2		417.8		-1650	-22	522,320	590,059				
236	1320		182° 04'	-1.3	10.3	TH	+6.6	-3.7		416.3		-1320	-18	522,650	590,063				
237	990		" "	" "	7.2	-		-7.2		412.8		-990	-13	522,980	590,068				
238	660		" "	" "	6.5	-		-6.5		413.5		-660	-9	523,310	590,072				
239	330		" "	" "	6.1	TH	+1.7	-4.4		415.6		-330	-4	523,640	590,077				
240	0				5.2	-		-5.2		414.8	TP	0	0	523,970	590,081				
241	330		2° 27'	-1.3	6.7	-		-6.7		413.3		+330	+7	524,300	590,088				
242	588		3° 27' 56"	" "	4.5	-		-4.5		415.5	TP	+588	+22	524,558	590,103				Y - 524,535 X - 590,095 Y - int. EL. 416
242	660		1° 42'	" "	7.6	TH	+3.3	-4.3		415.7		+660	+5	524,630	590,086				
243	990		" "	" "	8.1	TH	+5.0	-3.1		416.9		+990	+7	524,960	590,088				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2. 84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	XW	LINE NO.	11	PAGE	18	
AREA	GEORGIA	TOPO MAP	Bridge Boro - 7 1/2	STATE	GEORGIA	COUNTY	Worth	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.	
									420.0					
244	1320		1° 42'	-1.3	7.7	TH	+6.6	-1.1		418.9		+1320	+9	525,290 590,090
245	1650		" "	" "	6.3	TH	+8.3	-2.0		418.0		+1650	+12	525,620 590,093
246	1980		" "	" "	12.2	TH	+9.9	-2.3		417.7		+1980	+14	525,950 590,095
247	2310		1° 50' 16"	" "	14.4 216.0	89° 54'	+4.0	-9.4		410.6	TP	+2310	+22	526,279 590,102
247	2310				13.3	270° 06'	+4.0	-9.3			TP	-1	-1	
	885		165° 32' 25"	-1.3	8.6	88° 50'	-18.0	-9.4	401.2		BS	+852	-240	
	885				+8.5	271° 10'	-18.0	-9.5			BS	-2	-1	
248	577		156° 03'	" "	7.2	89° -	+10.1	-2.9		398.3		-522	+246	526,607 590,107
249	314		128° 44'	" "	8.0	89° -	+5.5	-2.5		398.7		-191	+249	526,938 590,110
X	244		124° 31'	" "	4.5	89° 40'	+1.4	-3.1		398.1	X	-134	+204	526,995 590,065
250	0				5.2	-		-5.2		396.0	A	0	0	527,129 589,861
251	330		304° 03'	-1.3	8.6	89° -	+5.8	-2.8		398.4		+179	-278	527,308 589,883
252	660		" "	" "	10.2	89° -	+11.5	+1.3		402.5		+357	-555	527,486 589,306
253	990		" "	" "	9.1	89° -	+17.3	+8.2		409.4		+536	-833	527,665 589,028
254	1320		" "	" "	9.1	89° -	+23.0	+13.9		415.1		+714	-1110	527,843 588,751
255	1650		" "	" "	7.2	89° -	+28.8	+21.6		422.8		+893	-1388	528,022 588,473
TP	1789		304° 20' 21"	" "	6.2	89° -	+31.2	+25.0			TP	+975	-1499	528,104 588,362
TP	1789				5.9	271° -	+31.2	+25.3	25.13	426.3	TP			
	865		179° 04' 28"	-1.3	9.6	89° -	-15.1	-5.5			BS	+864	-34	
	865				+9.4	271° -	-15.1	-5.7	420.7		BS			

X y-526,995 x-590,065  
 4 way Inter.  
 Horiz y.-19  
 Correl. x.-10

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.1.84	INSTRUMENT MAN	B. Cottramp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	KWL C.J.	LINE NO.	11	PAGE	19
AREA	GEORGIA	TOPO MAP	Bridgeboro - 7 1/2	STATE	GEORGIA	COUNTY	WORTH	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			
									420.7									
256	660		180° 42'	-1.3°	6.7	88° 50'	+13.5	+6.8		427.5		-660	+7	528,308	588,335			
257	330		182° 26'	--	6.0	88° 50'	+6.7	+0.7		421.4		-330	-7	528,638	588,521			
258	0				5.2	-		-5.2		415.5	TP	0	0	528,968	588,328			
259	330		6° 34'	-1.3°	7.5	-		-7.5		413.2		+329	+30	529,297	588,358			
260	660		" "	" "	11.2	-		-11.2		409.5		+657	+61	529,625	588,389			
261	990		" "	" "	6.1	BH	-5.0	-11.1		409.6		+986	+91	529,954	588,419			
262	1320		6° 34'	-1.3°	6.8	BH	-6.6	-13.4		407.3		+1314	+121	530,282	588,449			
263	1650		" "	" "	11.2	BH	-8.3	-19.5		401.2		+1643	+151	530,611	588,479			
264	1980		" "	" "	7.0	BH	-9.9	-16.9		403.8		+1972	+182	530,940	588,510			
265	2310		" "	" "	11.1	-		-11.1		409.6		+2300	+212	531,268	588,540			
266	2641		" "	" "	5.6	-		-5.6		415.1		+2630	+242	531,598	588,570			
TP	2794		6° 20' 43"	-1.3°	6.3	89° 54'	+4.9	-1.4			TP	+2783	+246	531,751	588,574	TP	5-531,750X-588,550 4Wm Inter. El. 420	
TP	2794				6.0	270° 06'	+4.9	-1.4	-1.3	419.4	TP							
	3806		188° 34' 10"	" "	6.3	90° 10'	+11.1	+17.4	437.0		BS	+3775	+482					
	3806				6.7	269° 50'	+11.1	+17.8	+17.63		BS							
267	3629		188° 29'	-1.3°	5.9	90° 10'	-10.6	-16.5		420.5		-3601	-454	531,925	588,602			
268	3301		187° 53'	" "	5.2	90° 18'	-17.3	-22.5		414.5		-3279	-378	532,247	588,678			
269	2970		187° 25'	" "	10.4	90° 20'	-17.3	-27.9		409.1		-2953	-316	532,573	588,740			
270	2640		" "	" "	8.7	90° 30'	-23.0	-31.7		405.3		-2625	-281	532,901	588,775			
271	2310		" "	" "	6.9	90° 40'	-26.9	-39.8		403.2		-2297	-246	533,229	588,810			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-1-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	JSW	LINE NO.	11	PAGE	20	
AREA	GEORGIA	TOPO MAP	BRIDGEBORO-7 1/2	STATE	GEORGIA	COUNTY	WORTH	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			
									437.0									
272	1980		187° 25'	-1.3°	9.1	90° 40'	-23.0	-32.1		404.9		-1969	-211	533,957	588,845			
273	1650		" "	" "	10.8	90° 40'	-19.2	-30.0		407.0		-1641	-176	533,885	588,880			
274	1320		" "	" "	12.0	90° 40'	-15.4	-27.4		409.6		-1312	-141	534,214	588,915			
275	990		187° 25'	-1.3°	10.7	90° 40'	-11.5	-22.2		414.8		-984	-105	534,542	588,951			
276	660		" "	" "	8.8	90° 40'	-7.7	-16.5		420.5		-656	-70	534,870	588,986			
277	330		" "	" "	6.4	90° 40'	-3.8	-10.2		426.8		-328	-35	535,198	589,021			
278	0		" "	" "	5.2	-		-5.2		431.8	π	0	0	535,526	589,054			
279	330		11° 24'	-1.3°	5.9	89° 30'	+2.9	-3.0		434.0		+325	+58	535,851	589,114			
280	660		10° 27'	" "	7.0	89° 30'	+5.8	-1.2		435.8		+652	+105	536,178	589,161			
#	867		9° 42' 16"	" "	5.8	89° 30'	+7.6	+1.8		438.8	#	+858	+127	536,384	589,183	#	5-536,385 x-589,185 4 way inter. EL. 438	
281	990		9° 46'	-1.3°	7.3	89° 30'	+8.6	+1.3		438.5		+979	+146	536,505	589,202			
282	1320		8° 37'	" "	10.9	89° 40'	+7.7	-3.2		433.8		+1309	+168	536,835	589,224			
283	1649		8° 17'	" "	9.1	89° 50'	+4.8	-4.3		432.7		+1637	+200	537,163	589,256			
284	1978		7° 53'	" "	10.8	89° 40'	+11.5	+0.7		437.7		+1965	+227	537,491	589,283			
285	2308		7° 38'	-1.3°	7.8	89° 40'	+13.4	+5.6		442.6		+2294	+255	537,820	589,311			
#	2527		7° 13' 04"	" "	6.8	89° 40'	+14.7	+7.9		444.4	#	+2513	+261	538,039	589,317	#	5-538,015 x-589,320 4 way int. EL. 445	
286	2638		7° 19'	" "	7.2	89° 40'	+15.4	+8.2		445.2		+2623	+277	538,149	589,332			
287	2968		7° 05'	" "	9.9	89° 40'	+17.3	+7.4		444.4		+2953	+299	538,479	589,355			
TP	3115		6° 49' 09"	" "	11.8	89° 40'	+18.1	+6.3		443.0	TP	+3101	+300	538,627	589,356			
TP	3115				12.3	270° 20'	+18.1	+5.8	+6.03		TP							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
3.1.84		B. Cotcamp		W. Greenfield		6834		KWB CJ		11		21						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
Georgia		Bridgeboro-7 1/2		Georgia		WORTH								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			
	2224		168° 22' 35"	-1.3	+2.1	-		+2.1	445.1		BS	+2168	-497					
	2224				+2.2	270°		+2.2				BS						
288	2039		168° 12'	"	9.1	89° 50'	+5.9	-3.2		441.9		-1986	+462	538,809	589,321			
289	1709		" "	"	8.5	89° 50'	+5.0	-3.5		441.6		-1665	+387	539,130	589,246			
290	1379		" "	"	10.0	89° 50'	+4.0	-6.0		439.1		-1343	+313	539,452	589,172			
291	1049		168° 07'	-1.3	9.4	89° 50'	+3.1	-6.3		438.8		-1021	+239	539,774	589,098			
292	719		" "	"	8.7	89° 50'	+2.1	-6.6		438.5		-700	+164	540,095	589,023			
293	389		" "	"	7.8	89° 50'	+1.1	-6.7		438.4		-379	+89	540,416	588,948			
294	61		160° 40'	"	5.4	89° 50'	+0.2	-5.2		439.9		-57	+22	540,738	588,881			
TP	0				5.2	-		-5.2		439.9	TP	0	0	540,795	588,859			
295	276		23° 44'	-1.3	7.1	89° 10'	+4.0	-3.1		442.0		+255	+105	541,050	588,964			
296	604		25° 37'	"	7.0	89° 10'	+8.8	+1.8		446.9		+550	+249	541,345	589,106			
297	934		" "	"	7.0	89° 10'	+13.6	+6.6		451.7		+851	+385	541,646	589,244			
298	1264		" "	"	12.3	89° 10'	+18.4	+6.1		451.2		+1152	+520	541,947	589,379			
299	1594		25° 39' 05"	"	14.1	89° 30'	+13.9	-0.2			TP	+1452	+657	542,247	589,516			
299	1594				14.3	270° 30'	+13.9	-0.4	-0.3	444.8	TP							
	1326		203° 37' 19"	-1.3	+5.2	89° 30'	-11.5	-6.3	438.5		BS	+2221	+501					
	1320				+5.2	270° 30'	-11.5	-6.3				BS						
300	990		203° 00'	"	8.8	89° 30'	+8.6	-0.2		438.3		-920	-306	542,548	589,651			
301	660		" "	"	5.8	89° 30'	+5.8	-6.0		438.5		-613	-244	542,855	589,773			

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3-1-84		B. Cotcamp		W. Greenfield		6834		KLG		11	22					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
GEORGIA		Bridgeboro - 7 1/2		GEORGIA		WORTH					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 X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									438.5							
41	391		203° 53' 27"	-1.3°	6.6	89° -	+6.8	+0.2		438.7	41	-361	-150	543,167	589,867	41 - Inter E.L. 438
302	330		203	"	6.3	89° -	+5.8	-0.5		438.0		-307	-122	543,161	589,895	
303	0				5.2	-		-5.2		433.3	π	0	0	543,468	590,017	
304	330		21° 29'	-1.3°	10.7	-		-16.7		427.8		+310	+114	543,778	590,131	
305	660		" "	"	10.2	-		-16.2		428.3		+619	+228	544,087	590,245	
306	990		" "	"	6.3	-		-6.3		432.2		+929	+342	544,397	590,359	
307	1320		" "	"	7.2	TH	+6.6	-0.6		437.9		+1239	+455	544,707	590,472	
308	1650		21° 32' 34"	"	12.7	TH	+8.3	-4.4		434.1	TP	+1548	+571	545,016	590,588	
308	1650				12.6	TH 270°	+8.3	-4.3			TP					
	1744		211° 16' 34"	-1.3°	+14.4	87° 56'	-62.9	-48.5	385.6		BS	+1510	+871			
	1744				+14.5	272° 04'	-62.9	-48.4			BS					
309	1414		211° 40'	"	5.1	88° 30'	+37.0	+31.9		417.5		-1220	-715	545,306	590,744	41 - Inter E.L. 438
1F	1146		212° 22' 41"	"	7.4	88° 20'	+33.3	+25.9		411.5	1F	-981	-591	545,546	590,868	1F - Inter. E.L.
310	1084		211° 55'	"	7.1	88° 20'	+31.5	+24.4		410.0		-933	-552	545,593	590,907	Bridgeboro - 7 1/2 ↑
311	754		211° 18'	-1.3°	4.8	88° 20'	+21.9	+17.1		402.7		-653	-377	545,873	591,082	Sylvester - 7 1/2 ↓
312	424		208° 30'	"	7.2	88° 20'	+12.4	+5.2		390.8		-377	-194	546,149	591,265	
313	102		189° 20'	"	5.2	88° 20'	+3.0	-2.2		383.4		-101	-14	546,425	591,445	
π	0				5.2	-		-5.2		380.4	π	0	0	546,526	591,459	
314	226		19° 02'	"	7.7	89° 30'	+2.0	-5.7		379.9		+215	+69	546,741	591,528	
315	556		16° 09'	"	9.9	89° 30'	+4.9	-5.0		380.6		+537	+143	547,063	591,602	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-1-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	HWG C.T.	LINE NO.	11	PAGE	23
AREA	GEORGIA	TOPO MAP	Sylvesten -7 1/2'	STATE	GEORGIA	COUNTY	WORTH	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.	
									385.4					
316	887		17° 15' 54"	-1.3°	5.0	89° 30'	+7.7	+2.7		388.3	TP	+853	+244	547.379 591.703
316	887				1.9	88° 40'	+5.2	+3.3			TP			
	661		211° 09' 58"	"	9.3	91° 30'	+17.3	+26.6			BS	+573	+329	
	661				7.3	91° 40'	+19.2	+26.5	414.8		BS	"	-1	
317	330		211° 10'	-1.3°	4.7	91° 30'	-8.6	-13.3		401.5		-286	-164	547.664 591.867
318	0				5.2	-		-5.2		409.6	"	0	0	547.950 592.031
319	330		34° 43'	"	4.4	90° 30'	-2.9	-7.3		407.5		+275	+182	548.225 592.213
320	660		"	"	8.7	90° 30'	-5.8	-14.5		400.3		+551	+363	548.501 592.394
321	990		"	"	11.9	90° 30'	-8.6	-20.5		394.3		+826	+545	548.776 592.576
322	1320		34° 04'	"	7.5	90° 50'	-19.2	-26.7		388.1		+1110	+714	549.060 592.745
TP 323	1516		33° 24' 32"	"	7.9	90° 50'	-22.0	-29.9		384.9	TP	+1284	+806	549.232 592.836
TP 323	1516				8.0	269° 10'	-22.0	-30.0			TP	"	-1	
	2114		199° 49' 54"	-1.3°	4.5	90° 44'	+27.1	+31.6	416.5		BS	+2004	+672	
	2114				4.6	269° 16'	+27.1	+31.7			BS	"	-1	
323	1979		199° 40'	"	8.2	90° 42'	-24.2	-32.4		384.1		-1878	-624	549.356 592.883
324	1650		199° 15'	"	7.3	91° -	-28.8	-36.1		380.4		-1570	-509	549.664 592.998
325	1320		"	"	9.9	91° 10'	-26.9	-36.8		379.7		-1256	-407	549.978 593.100
325	1076		199° 52' 54"	"	10.4	91° 10'	-21.9	-32.3		384.2	3/4	-1020	-343	550.214 593.164 3/4
326	990		199° 23'	"	12.1	91° 10'	-20.2	-32.3		384.2		-941	-307	550.293 593.200
327	660		"	"	9.9	91° 10'	-13.4	-23.3		393.2		-627	-205	550.607 593.302

3-550.245 X-593.150  
3/4 4 way swtch. el. 384

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.1.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	RWG	LINE NO.	11	PAGE	24
AREA	GEORGIA	TOPO MAP	Sylvester - 7 1/2'	STATE	GEORGIA	COUNTY	WORTH	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.	
									416.5					
328	330		200° 40'	-1.3°	5.8	91° 10'	-6.7	-12.5		404.0		-311	-109	550,923 593,398
329	0				5.2	-		-5.2		411.3	π	0	0	551,234 593,507
330	336		3° 18'	"	5.8	90° 40'	-3.9	-9.7		406.8		+336	+12	551,570 593,519
331	666		1° 52'	"	8.5	-		-8.5		408.0		+666	+7	551,900 593,514
332	996		1° 42'	"	4.0	-		-4.0		412.5		+996	+7	552,230 593,514
333	1326		0° 58' 27"	"	4.9	89° 30'	+11.6	+6.7		423.2	TP	+1326	-8	552,558 593,498
333	1326				5.0	270° 30'	+11.6	+6.6			TP		-1	
	1980		158° 43' 59"	-1.3°	+13.1	BH	+9.9	+23.0	446.2		BS	+1828	-760	
	1980				+13.1	BH 270°	+9.9	+23.0			BS		-1	
334	1650		158° 44'	"	8.6	BH	-8.3	-16.9		429.3		-1524	+633	552,860 593,370
335	1320		"	"	12.5	-		-12.5		433.7		-1219	+507	553,165 593,244
336	990		"	"	7.8	-		-7.8		438.4		-914	+380	553,470 593,117
337	660		"	"	7.4	-		-7.4		438.8		-609	+253	553,775 592,990
338	330		"	"	6.2	-		-6.2		440.0		-305	+127	554,079 592,864
339	0				5.2	-		-5.2		441.0	π	0	0	554,384 592,737
340	330		339° 11'	-1.3°	6.3	-		-6.3		439.9		+306	-124	554,690 592,613
341	660		340° 08'	"	9.0	90° 50'	-9.6	-18.6		427.6		+615	-238	554,997 592,499
342	990		340° 23'	"	12.4	90° 50'	-14.4	-26.8		419.4		+925	-353	555,309 592,384
4/4	1060		340° 31' 16"	"	12.0	90° 50'	-15.4	-27.4		418.8	4/4	+991	-376	555,375 592,361 4 way

y = 555,390 x = 592,335

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-1-84		B. Cotcamp		W. Greenfield		6834		C.Y.		11		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Sylvester - 7 1/2'		GEORGIA		WORTH								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
TP	1187		341° 37' 11"	-1.3°	13.5	90° 50'	-17.3	-30.8		415.4	TP	+1118	-400	555,500	592,336
TP	1187				13.6	269° 10'	-17.3	-30.9			TP	-2	-1		
	1462		183° 51' 08"	-1.5°	10.8	-		+10.8	426.2		BS	+1461	+60		
	1462				+10.8	270° -		+10.8			BS	-2	-1		
343	1272		183° 41'	--	6.9	BH	-6.4	-13.3		412.9		-1271	-48	555,688	592,347
344	942		184° 29'	--	11.3	BH	-4.7	-16.0		410.2		-941	-49	556,018	592,346
345	613		186° 30'	--	11.0	BH	-3.1	-14.1		412.1		-611	-53	556,348	592,342
346	283		188° 53'	--	9.5	-		-9.5		416.7		-281	-36	556,678	592,359
π	0				5.2	-		-5.2		421.0	π	0	0	556,959	592,395
347	53		41° 35'	-1.5°	4.5	TM	+0.3	-4.2		422.0		+41	+34	557,000	592,429
348	379		20° 17'	--	8.8	-		-8.8		417.8		+359	+122	557,318	592,517
349	710		19° 40'	--	10.1	90° 40'	-8.3	-18.4		407.8		+675	+221	557,634	592,616
350	1040		20° 01' 49"	--	12.6	90° 40'	-12.1	-24.7		401.5	TP	+986	+331	557,943	592,725
350	1040				14.4	90° 34'	-10.3	-24.7			TP	-2	-1		
	1977		210° 11' 18"	-1.5°	4.5	89° 30'	-17.3	-12.8	388.7		BS	+1734	+949		
	1977				+4.6	270° 30'	-17.3	-12.7			BS	-2	-1		
351	1647		210° 33'	--	6.5	89° 30'	+14.4	+7.9		396.6		-1440	-800	558,235	592,873
352	1318		210° 01'	--	11.3	89° 30'	+11.5	+0.2		388.9		-1158	-629	558,517	593,044
353	989		209° 09'	--	6.2	-		-6.2		382.5		-876	-459	558,799	593,214
11111	879		209° 22' 24"	--	6.5	-		-6.5		382.2	R.R.	-777	-411	558,878	593,262

11111 - 558,883 x - 593,280  
R.R. Tracks

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-2-84		B. Cotcamp		W. Greenfield		6834		C.J.		11		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Sylvester - 7 1/2		GEORGIA		WORTH								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
									388.7						
354	659		208° 09'	-1.5°	12.0	-		-12.0		376.7		-589	-296	559,086	593,377
355	330		204° 37'	"	11.0	-		-11.0		377.7		-304	-130	559,371	593,543
356	0				5.2	-		-5.2		383.5	TP	0	0	559,675	593,673
357	330		8° 56'	-1.5°	6.3	88° 50'	+6.7	+0.4		389.1		+327	+43	560,002	593,716
358	660		6° 50'	"	5.7	88° 50'	+13.4	+7.7		396.4		+657	+61	560,332	593,734
359	987		3° 54' 30"	"	3.1	89° 10'	+14.4	+11.3		400.0	TP	+986	+41	560,659	593,713
359	987				3.2	270° 50'	+14.4	+11.2			TP	"	-1		
	1320		177° 12' 59"	"	+7.4	90° 40'	+15.4	+22.8	422.8		BS	+1316	-99		
	1320				+11.2	90° 30'	+11.5	+22.7			BS	"	-1		
360	990		177° 25'	-1.5°	8.3	90° 40'	-11.5	-19.8		403.0		-987	+71	560,986	593,684
361	660		178° 06'	"	7.1	90° 40'	-7.7	-14.8		408.0		-659	+39	561,314	593,652
362	330		178° 49'	"	5.3	90° 40'	-3.8	-9.1		413.7		-330	+15	561,643	593,628
363	0				5.2	-		-5.2		417.6	TP	0	0	561,973	593,613
364	330		1° 25'	-1.5°	8.0	-		-8.0		414.8		+330	+0	562,303	593,613
365	660		" "	"	11.0	-		-11.0		411.8		+660	-1	562,633	593,612
366	990		" "	"	10.9	-		-10.9		411.9		+990	-1	562,963	593,612
367	1320		" "	"	7.6	-		-7.6		415.2		+1320	-2	563,293	593,111
368	1652		<del>2° 22' 17"</del> B.L.C.	"	7.8	-		-7.8		415.0	TP	+1652	+23	563,623	593,635
368	1652		2° 18' 49"	"	7.9	270° -		-7.9			TP	"	-1		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-2-84	INSTRUMENT MAN	B. Catcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	CHP	LINE NO.	11	PAGE	29
AREA	GEORGIA	TOPO MAP	Sylvester -7 1/2'	STATE	GEORGIA	COUNTY	WORTH	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			
	2827		199° 54' 50"	-1.5°	8.3	TM	-14.1	-5.8	409.2		BS	+2682	+893					
	2827				+8.2	TM 270°	-14.1	-5.9			BS	-2	-1					
14	2772		199° 58' 07"	"	9.4	TM	+13.9	+4.5		413.7	14	-2629	-878	563,674	593,649	14	J-563,680 x-593,638 T-Inter.	
369	2495		199° 42'	"	9.2	89° 50'	+7.3	-1.9		407.3		-2370	-779	563,933	593,748			
370	2167		198° 59'	"	8.2	-		-8.2		401.0		-2059	-677	564,244	593,850			
371	1837		199° 03'	"	6.0	BH	-9.2	-15.2		394.0		-1752	-554	564,551	593,973			
372	1507		199° 36'	-1.5°	10.3	BH	-7.5	-17.8		391.4		-1432	-468	564,871	594,059			
373	1177		200° 05'	"	10.9	BH	-5.9	-16.8		392.4		-1116	-375	565,187	594,152			
374	847		199° 59'	"	9.1	BH	-4.2	-13.3		395.9		-803	-269	565,500	594,258			
375	517		199° 26'	"	10.8	-		-10.8		398.4		-492	-159	565,811	594,368			
376	190		190° 31'	"	8.2	-		-8.2		401.0		-188	-30	566,115	594,497			
14	93		181° 56' 16"	"	6.4	-		-6.4		402.8	14	-93	-1	566,210	594,526	14	J-566,210 x-594,500 T-Inter.	
14	0				5.2	-		-5.2		404.0	14	0	0	566,303	594,529			
377	165		56° 18'	-1.5°	8.1	-		-8.1		401.1		+95	+135	566,398	594,662			
378	491		45° 14'	"	10.1	-		-10.1		399.1		+355	+339	566,658	594,866			
379	821		" "	"	11.9	-		-11.9		397.3		+593	+568	566,896	595,095			
380	1151		46° 08'	"	11.4	-		-11.4		397.8		+819	+809	567,122	595,336			
381	1481		46° 20'	"	8.1	-		-8.1		401.1		+1050	+1044	567,353	595,571			
382	1809		45° 31'	"	10.6	TM	+9.0	-1.6		407.6		+1301	+1257	567,604	595,784			
383	2137		44° 15'	"	6.2	89° 40'	+12.4	+6.2		415.4		+1569	+1451	567,872	595,978			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.2.84		B. Cotcamp		W. Greenfield		6834		KWG		11		28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Sylvester - 7 1/2		GEORGIA		WORTH								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
									409.2						
TP	2275		43° 37' 47"	-1.7°	14.0	89° 24'	+23.8	+9.8	}	419.0	TP	+1692	+1520	567,995	596,046
TP	2275				14.1	270° 36'	+23.8	+9.7		TP				-1	
	1180		218° 13' 08"	~ +	13.2	-		+13.2	}	432.2	BS	+948	+702		
	1180				+13.2	270° -		+13.2		BS				-1	
384	990		218° 32'	-1.7°	8.0	-		-8.0		424.2		-792	-593	568,151	596,154
385	660		~ "	~ "	5.0	-		-5.0		427.2		-528	-396	568,415	596,351
386	330		217° -	-	5.0	-		-5.0		427.2		-269	-191	568,674	596,556
387	0				5.2	-		-5.2		427.0	X	0	0	568,743	596,747
388	330		28° 51'	-1.7°	9.3	89° 10'	+4.8	-4.5		427.7		+294	+151	569,237	596,898
389	660		~ "	~ "	10.0	89° 10'	+9.6	-0.4		431.8		+587	+301	569,530	597,048
390	990		~ "	~ "	8.8	89° 10'	+14.4	+5.6		437.8		+881	+452	569,824	597,199
391	1320		~ "	~ "	9.0	89° 10'	+19.2	+10.2		442.4		+1175	+602	570,118	597,349
TP	1334		28° 21' 23"	~ "	9.0	89° 10'	+19.4	+10.4		442.6		+1192	+598	570,135	597,345
TP	1397		26° 50' 52"	~ "	6.1	89° 20'	+16.3	+10.2	}	442.4	TP	+1265	+594	570,208	597,341
TP	1397				6.2	270° 40'	+16.3	+10.1			TP				
	1350		182° 55' 40"	-1.7°	+9.7	89° 20'	-15.7	-6.0	}	436.4	BS	+1350	+29		
	1350				+9.8	270° 40'	-15.7	-5.9			BS				
392	1126		183° 13'	~ "	10.0	89° 10'	+16.4	+6.4		442.8		-1126	-30	570,432	597,340
Bm	1007		178° 56' 34"	~ "	3.9	89° 10'	+14.6	+10.7		447.1	Bm	-1006	+48	570,552	597,418
393	795		182° 50'	~ "	5.7	89° 10'	+11.6	+5.9		442.3		-795	-16	570,763	597,354

y = 570,135 x = 597,345  
 TP - Inter. Horiz. y = 20  
 CORRE X = -15

y = 570,520 x = 597,400  
 U.S.G.S. Bm EL. 447.1  
 23335 1955

SURVEY NOTES-HIGH RESOLUTION DATA

GEOP-445

Geosource Inc.

DATE	3.2.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	JWB	LINE NO.	11	PAGE	29	
AREA	GEORGIA	TOPO MAP	Sylvester-7 1/2	STATE	GEORGIA	COUNTY	WORTH	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.	
									436.4					
394	477		176° 12'	-1.7°	6.8	88° 40'	+11.1	+4.3		440.7		-475	+46	571,083 597,416
395	152		169° 50'	"	6.0	87° 30'	+6.6	+0.6		437.0		-149	+31	571,409 597,401
TP	0				5.2	-		-5.2		431.2	TP	0	0	571,558 597,370
396	176		349° 49'	"	2.8	89° 40'	+1.0	-1.8		434.6		+171	-42	571,729 597,328
397	506		"	"	5.0	89° 40'	+2.9	-2.1		434.3		+491	-121	572,049 597,249
398	836		"	"	5.8	89° 40'	+4.9	-0.9		435.5		+812	-201	572,370 597,169
399	1166		348° 16'	"	8.0	89° 40'	+6.8	-1.2		435.2		+1134	-271	572,692 597,099
TP	1359		349° 03' 39"	-1.7°	7.2	89° 50'	+4.0	-3.2		433.2	TP	+1326	-297	572,881 597,078
TP	1359				7.1	270° 10'	+4.0	-3.1			TP	-3	+5	
	1095		166° 57'	"	+10.6	88° 40'	-25.5	-14.9	418.3		BS	+1059	-219	
	1095				+13.8	88° 30'	-28.7	-14.9			BS	-3	+5	
400	963		164° 17'	"	7.6	88° 50'	+19.6	+12.0		430.3		-919	+288	573,018 597,092
401	643		158° 39'	"	6.2	88° 50'	+13.1	+6.9		425.2		-592	+252	573,345 597,056
402	328		156° 03'	"	5.0	88° 40'	+7.6	+2.6		420.9		-296	+142	573,641 596,946
403	0				5.2	-		-5.2		413.1	TP	0	0	573,937 596,804
404	330		332° 54'	-1.7°	7.8	90° 30'	-2.9	-10.7		407.6		+289	-159	574,226 596,645
405	659		"	"	8.7	90° 30'	-5.8	-14.5		403.8		+577	-317	574,514 596,487
406	988		"	"	9.2	90° 30'	-8.6	-17.8		400.5		+866	-476	574,803 596,328
407	1317		"	"	7.9	90° 30'	-11.5	-19.4		398.9		+1154	-634	575,091 596,170
408	1646		"	"	16.4	90° 10'	-4.8	-15.2		403.1		+1442	-793	575,379 596,011

SURVEY NOTES-HIGH RESOLUTION DATA

GEQ-445

Geosource Inc.

DATE	3-2-84	INSTRUMENT MAN	B. Cotnam	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	BWB CJ	LINE NO.	11	PAGE	30
AREA	GEORGIA	TOPO MAP	Sylvester - 7 1/2'	STATE	GEORGIA	COUNTY	WORTH	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.	
									418.3					
409	1974		332° 27'	-1.7°	11.5	-		-11.5		406.8		+1722	-965	575,659 595,839
410	2304		331° 51'	"	9.9	-		-9.9		408.4		+1998	-1147	575,935 595,657
411	2633		331° 32' 52"	-1.5	9.0	-		-9.0		409.4	TP	+2281	-1315	576,215 595,494
411	2633				8.8	-		-8.8			TP	-3	+5	
	2251		155° 36' 23"	"	12.9	89° 40'	-13.1	-0.2			BS	+2025	-983	
	2251				12.8	270° 20'	-13.1	-0.3		409.1	BS	-3	+5	
412	1921		156° 10'	-1.5	9.9	89° 40'	+11.2	+1.3		410.4		-1736	+822	576,501 595,338
413	1591		156° 32'	"	7.1	89° 40'	+9.3	+2.2		411.3		-1442	+672	576,795 595,188
414	1261		" "	"	8.3	89° 30'	+11.0	+2.7		411.8		-1143	+532	577,094 595,048
415	931		156° 46'	"	6.7	89° 30'	+8.1	+1.4		410.5		-846	+390	577,391 594,906
416	601		157° 11'	"	6.0	89° 30'	+5.2	-0.8		408.3		-548	+247	577,689 594,763
417	271		158° 01'	"	5.5	89° 30'	+2.4	-3.1		406.0		-249	+108	577,988 594,624
Σ	0				5.2	-		-5.2		403.9	Σ	0	0	578,237 594,516
418	63		346° 06'	-1.5	5.0	90° 50'	-0.9	-5.9		403.2		+61	-17	578,298 594,499
419	393		" "	"	4.7	90° 50'	-5.7	-10.4		398.7		+379	-105	578,616 594,411
420	723		" "	"	6.0	90° 50'	-10.5	-16.5		392.6		+697	-193	578,934 594,323
421	1053		346° 54'	"	8.7	90° 50'	-15.3	-24.0		385.1		+1019	-265	579,256 594,251
TP	1180		347° 42' 17"	"	9.6	90° 50'	-17.2	-26.8		382.3	TP	+1140	-281	579,379 594,240
TP	1180				9.5	269° 10'	-17.2	-26.7			TP	-4	+5	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.2.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	HWC	LINE NO.	11	PAGE	31
AREA	GEORGIA	TOPO MAP	Sylvestee - 7 1/2'	STATE	GEORGIA	COUNTY	WORTH	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.	
										382.3				
	508		174° 39' 09"	-1.5°	+3.9	88° 40'	-11.8	-7.9			BS	+504	-61	
	508				+5.3	88° 30'	-13.3	-8.0	374.3		BS	-5	+5	
422	305		168° 09'	"	6.2	88° 20'	+8.9	+2.7		377.0		-297	+170	579.581 594.254
423	0				5.2	-		-5.2		369.1	TP	0	0	579.878 594.184
Bm	73		337° 45' 53"	-1.5°	1.0	-		-1.0		373.3	Bm	+67	-29	579.945 594.155
424	330		318° 52'	"	6.8	91° -	-5.8	-12.6		361.7		+243	-224	580.121 593.960
425	660		" "	"	11.0	91° -	-11.5	-22.5		351.8		+486	-447	580.364 593.737
426	990		" "	"	6.2	91° 30'	-25.9	-32.1		342.2		+728	-671	580.606 593.513
41	1002		318° 32' 02"	"	6.0	91° 30'	-26.2	-32.2		342.1	TP	+733	-683	580.610 593.502
41	1002		" "	"	8.9	91° 20'	-23.3	-32.2			TP	-1	+1	
	1966		138° 54' 32"	-1.5°	+10.7	-		+10.7	352.7		BS	+1447	-1331	
	1966		" "		+10.5	270° -		+10.5	5+10.63		BS	-1	+1	
427	1651		138° 49'	"	8.1	90° 20'	-9.6	-17.7		335.0		-1214	+1119	580.842 593.291
428	1320		" "	"	11.1	90° 30'	-11.5	-22.6		330.1		-970	+895	581.086 593.067
429	990		" "	"	8.8	90° 30'	-8.6	-17.4		335.3		-728	+671	581.328 592.843
430	660		138° 49'	-1.5°	7.1	90° 30'	-5.8	-12.9		339.8		-485	+447	581.571 592.619
431	330		" "	"	10.9	90° 30'	-2.9	-13.8		338.9		-243	+224	581.813 592.396
432	0		" "	"	5.2	-		-5.2		347.5	TP	0	0	582.056 592.172
433	330		318° 19'	"	9.0	89° 40'	+1.9	-7.1		345.6		+241	-226	582.297 591.946
434	660		" "	"	12.0	89° 50'	+1.9	-10.1		342.6		+481	-452	582.537 591.720

y - 579,945 x - 594,155  
 u.s. 6.5 Bm  
 24 315 1956 Horiz y - 21  
 CORR. x + 30

y - 580,605 x - 593,975  
 y - ROAD WEST

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-5-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	KWG C.J.	LINE NO.	11	PAGE	32
AREA	Georgia	TOPO MAP	Sylvester - 7 1/2'	STATE	Georgia	COUNTY	WORTH	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.	
									352.7					
435	990		318° 19'	-1.5°	8.2	89° 50'	+2.9	-5.3		347.4		+722	-677	582.778 591.495
436	1320		" "	" "	5.6	89° 50'	+3.8	-1.8		350.9		+963	-903	583.019 591.269
IF	1451		317° 52' 27"	" "	6.2	89° 50'	+4.2	-2.0	}	350.7	TP	+1050	-1001	583.105 591.172
IF	1451				6.2	270° 10'	+4.2	-2.0			TP	"	"	
	2853		177° 01' 46"	-1.5°	5.8	89° 06'	-44.8	-39.0	}	311.7	BS	+2844	-222	
	2853				+5.7	270° 54'	-44.8	-39.1			BS	"	"	
437	2640		177° 00'	" "	4.8	89° 02'	+44.5	+39.7		351.4		-2632	+207	583.316 591.158
438	2310		" "	" "	4.4	89° -	+40.3	+35.9		347.6		-2303	+181	583.645 591.132
439	1980		" "	" "	5.8	89° -	+34.6	+28.8		340.5		-1974	+155	583.974 591.106
440	1650		" "	" "	9.1	89° -	+28.8	+19.7		331.4		-1645	+129	584.303 591.080
441	1320		177° 00'	-1.5°	10.3	89° 10'	+19.2	+8.9		320.6		-1316	+104	584.632 591.055
442	990		" "	" "	11.7	89° 10'	+14.4	+2.7		314.4		-987	+78	584.961 591.029
443	660		" "	" "	8.0	89° 10'	+9.6	+1.6		313.3		-658	+52	585.290 591.003
444	330		" "	" "	4.8	89° -	+5.8	+1.0		312.7		-329	+26	585.619 590.977
445	0		" "	" "	5.2	-	-	-5.2		306.5	TP	0	0	585.948 590.951
IF	108		182° 09' 48"	-1.5°	4.2	89° -	+1.9	-2.3		309.4	IF	-108	-1	585.840 590.950
446	330		6° 52'	" "	8.7	90° 10'	-1.0	-9.7		302.0		+329	+31	586.277 590.982
447	660		" "	" "	11.3	90° 10'	-1.9	-13.2		298.5		+657	+62	586.605 591.013
448	990		" "	" "	12.0	90° 20'	-5.8	-17.8		293.9		+986	+93	586.934 591.044
449	1320		" "	" "	11.4	90° 20'	-7.7	-19.1		292.6		+1314	+123	587.262 591.074

y = 583.115 x = 591.190  
IF T. Inter. EL. 352.0

y = 585.840 x = 590.925  
IF T. Inter. EL. 309.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3.5.84		B. Cotcamp		W. Greenfield		6834		KUG C.W.		11		33				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Sylvester - 7 1/2		Georgia		Worth								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
												LAT.	DEP.			
456	1650		6° 52'	-1.5°	7.5	90° 20'	-9.6	-17.1		294.6		+1643	+154	587.591	591,105	
TP	1949		6° 20' 03"	"	7.6	90° 10'	-5.7	-13.3		298.4	TP	+1942	+164	587.889	591,116	
TP	1949				7.7	269° 50'	-5.7	-13.4			TP	-	+			
	3661		166° 39' 44"	-1.5°	11.9	89° 54'	-6.4	+5.5	303.8		BS	+3539	-938			
	3661				+11.6	270° 06'	-6.4	+5.2	54		BS	-	+			
451	3630		166° 36'	"	5.2	-	-	-5.2		298.6	1	-3508	+933	587.919	591,112	
452	3300		166° 35'	"	13.3	89° 50'	+9.6	-3.7		300.1		-3189	+849	588.238	591,028	
453	2970		166° 28'	"	11.7	89° 50'	+8.6	-3.1		300.7		-2868	+770	588.559	590,949	
41	2963		166° 40' 36"	"	11.5	89° 50'	+8.6	-2.9		300.9	11	-2864	+758	588.563	590,937	11 5-588,590 x-590,915 Fe-celine EL. 301.0
454	2640		166° 28'	-1.5°	9.7	89° 50'	+7.7	-2.0		301.8		-2550	+685	588.877	590,864	
455	2310		" "	"	7.8	89° 50'	+6.7	-1.1		302.7		-2231	+599	589.196	590,978	Sylvester 7 1/2 T
456	1980		166° 24'	"	6.0	89° 50'	+5.8	-0.2		303.6		-1912	+516	589.515	590,695	Acree - 7 1/2' ↓
457	1650		" "	"	6.7	89° 50'	+4.8	-1.9		301.9		-1593	+430	589.834	590,609	
458	1320		" "	"	7.7	89° 50'	+3.8	-3.9		299.9		-1274	+344	590.153	590,523	
459	990		" "	"	6.9	89° 50'	+2.9	-4.0		299.8		-956	+258	590.471	590,427	
460	660		165° 50'	-1.5°	7.1	89° 50'	+1.9	-5.2		298.6		-635	+178	590.772	590,257	
461	330		164° 52'	"	6.3	89° 50'	+1.0	-5.3		298.5		-316	+94	591.111	590,273	Acree - 7 1/2' ↑
462	0		" "	"	5.2	-	-	-5.2		298.6	π	0	0	591.427	590,199	Doves - 7 1/2' ↓
463	530		335° 10'	"	6.9	-	-	-6.9		296.9		+296	-146	591.723	590,033	

SURVEY NOTES-HIGH RESOLUTION DATA

GEQ-445

Geosource Inc.

DATE 3.5.84	INSTRUMENT MAN D. Cotcamp	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY KUG C.J.	LINE NO. 11	PAGE 34
AREA GEORGIA	TOPO MAP Doles - 7 1/2'	STATE GEORGIA	COUNTY WORTH	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.	
									303.8					
464	660		335° 10'	-1.5°	9.2	-		-9.2		294.6		+592	-293	592.019 589.886
465	990		" "	" "	9.1	-		-9.1		294.7		+887	-439	592.314 589.740
466	1320		" "	" "	9.2	-		-9.2		294.6		+1183	-586	592.610 589.593
467	1650		" "	" "	9.8	-		-9.8		294.0		+1479	-732	592.906 589.447
468	1980		335° 10'	-1.5°	12.1	-		-12.1		291.7		+1775	-878	593.202 589.301
469	2310		" "	" "	12.5	-		-12.5		291.3		+2070	-1025	593.497 589.154
470	2640		" "	" "	6.8	90° 10'	-7.7	-14.5		289.3		+2366	-1171	593.793 589.008
471	2970		" "	" "	9.1	90° 10'	-8.6	-17.7		286.1		+2662	-1317	594.089 588.862
If-	3263		334° 52' 25"	" "	5.3	90° 10'	-9.5	-14.8		289.0	If-	+2917	-1462	594.344 588.719
472	3300		334° 56' 05"	" "	5.4	90° 10'	-9.6	-15.0		288.8	TP	+2952	-1476	594.378 588.704
472	3300				5.3	269° 50'	-9.6	-14.9			TP	-	+	
	1980		137° 12' 31"	-1.5°	4.5	89° 30'	-17.3	-12.8			BS	+1417	-1383	
	1980				4.4	270° 30'	-17.3	-12.9	275.9		BS	-	+	
473	1650		137° 16'	" "	6.8	89° 20'	+19.2	+12.4		288.3		-1182	+1151	594.612 588.473
474	1320		" "	" "	7.8	89° 20'	+15.4	+7.6		283.5		-946	+921	594.848 588.243
475	990		" "	" "	10.1	89° 20'	+11.5	+1.4		277.3		-709	+691	595.085 588.013
476	660		" "	" "	11.3	89° 20'	+7.7	-3.6		272.3		-473	+460	595.321 587.782
477	330		" "	" "	10.3	89° 20'	+3.8	-6.4		269.5		-236	+230	595.558 587.552
478	0				5.2	-		-5.2		270.7	X	0	0	595.794 587.322
479	300		329° 23'	-1.5°	8.3	88° 20'	+9.6	+1.3		277.2		+280	-175	596.074 587.147

If- 594.385 x-588.715  
FENCELINE EL. 289.0

SURVEY NOTES-HIGH RESOLUTION DATA

GE0-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
3.5.84		B. Cotcamp		W. Greenfield		6834		JLV C.J.		11		35							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
GEORGIA		Dales - 7 1/2'		GEORGIA		WORTH								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				
									275.9										
480	660		329° 23'	-1.5°	5.1	88° 20'	+19.2	+14.1		290.0		+559	-351	596.353	586.971				
481	990		" "	" "	9.7	88° 20'	+28.8	+19.1		295.0		+839	-526	596.633	586.796				
TP	1211		329° 31' 34"	" "	11.7	88° 40'	+28.2	+16.5	}	292.4	TP	+1027	-641	596.820	586.682				
TP	1211			" "	13.8	88° 34'	+30.3	+16.5		TP			-1	"					
	2089		149° 02' 05"	-1.5°	2.0	-		+2.0	}	294.3	BS	+1763	-1121						
	2089			" "	1.8	270°		+1.8		+1.9	BS		-1	"					
482	1980		149° 12'	" "	9.3	89° 50'	+5.8	-3.5		290.8		-1674	+1058	596.908	586.620				
483	1650		148° 59'	" "	10.3	89° 50'	+4.8	-5.5		288.8		-1391	+887	597.191	586.449				
484	1320		" "	" "	10.0	89° 50'	+3.8	-6.2		288.1		-1113	+710	597.469	586.272				
485	990		148° 43'	" "	8.7	89° 50'	+2.9	-5.8		288.5		-832	+536	597.750	586.098				
486	660		" "	" "	9.6	89° 50'	+1.9	-7.7		286.6		-555	+357	598.027	585.919				
487	330		147° 59'	" "	4.5	89° 50'	+1.0	-6.5		287.8		-275	+182	598.307	585.744				
488	0				5.2	-		-5.2		289.1	π	0	0	598.582	585.562				
489	330		309° 15'	-1.5°	9.2	-		-9.2		285.1		+202	-261	598.784	585.301				
1/2	416		308° 56' 59"	" "	9.3	-		-9.3		285.0	1/2	+253	-330	598.835	585.232				598.840 x = 585.275 1/2 T-ROAD EL. 285.0
490	660		309° 15'	" "	8.0	-		-8.0		286.3		+404	-522	598.986	585.040				
491	990		" "	" "	7.1	TH	+5.0	-2.1		292.2		+606	-783	599.188	584.779				
492	1320		" "	" "	6.0	89° 30'	+11.5	+5.5		299.8		+808	-1044	599.390	584.518				
493	1650		" "	" "	7.7	89° 30'	+14.4	+6.7		301.0		+1010	-1305	599.592	584.257				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
3.5.84		B. Cotcamp		W. Greenfield		6834		KWL		11	36					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
Georgia		Doles - 7 1/2		Georgia		WORTH					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
494	1980		309° 05' 07"	-1.5	10.7	89° 40'	+11.5	+0.8	295.2	TP	+1208	-1569	599,789	583,994		
494	1980				10.5	220° 20'	+11.5	+1.0								+0.93
	1650		128° 33' 57"	-	5.9	89° 20'	-19.2	-13.3	281.8	BS	+994	-1317				
	1650				5.7	270° 40'	-19.2	-13.5								+13.43
495	1320		128° 40'	-1.5	8.0	89° 20'	+15.4	+7.4		289.2		-797	+1052	599,985	583,730	
496	990		" "	" "	9.0	89° 20'	+11.5	+2.5		284.3		-598	+789	600,184	583,469	
497	660		" "	" "	8.7	89° 20'	+7.7	-1.0		280.8		-399	+526	600,383	583,204	
498	330		" "	" "	7.1	89° 20'	+3.8	-3.3		278.5		-199	+263	600,583	582,941	
499	0				5.2	-		-5.2		276.6	TP	0	0	600,782	582,678	
500	330		302° 35'	-1.5	7.9	89° 50'	+1.0	-6.9		274.9		+170	-283	600,952	582,395	
501	660		301° 59'	" "	5.9	89° 50'	+1.9	-4.0		277.8		+335	-569	601,117	582,109	
502	990		301° 18'	" "	5.7	89° 40'	+5.8	+0.1		281.9		+492	-859	601,274	581,819	
503	1320		300° 42'	" "	5.3	89° 40'	+7.7	+2.4		284.2		+644	-1152	601,426	581,526	
VI	1331		300° 25' 30"	" "	5.4	89° 40'	+7.7	+2.3		284.1	VI	+644	-1165	601,426	581,513	VI 5-601,415 x-581,530 y-inter. EL. 283.0
TP	1430		300° 30' 36"	" "	7.4	89° 40'	+8.3	+0.9	276.3	TP	+693	-1251	601,474	581,428		
TP	1430				11.5	89° 30'	+12.5	+1.0								TP
	880		117° 27' 47"	-1.5	9.0	89° -	-15.4	-6.4	276.3	BS	+385	-791				
	880				6.4	89° 10'	-12.8	-6.4								BS
504	660		117° 28'	" "	7.8	89° 10'	+9.6	+1.8		278.1		-289	+593	601,569	581,231	
505	330		" "	" "	7.0	89° 10'	+4.8	-2.2		274.1		-144	+297	601,714	580,935	

SURVEY NOTES-HIGH RESOLUTION DATA

GEQ-445

Geosource Inc.

DATE 3.8.84	INSTRUMENT MAN B. Cotcamp	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY HWG	LINE NO. 11	PAGE 37
AREA Georgia	TOPO MAP Doles - 7 1/2'	STATE GEORGIA	COUNTY WORTH	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			
									276.3									
506	0				5.2	-		-5.2		271.1	X	0	0	601,858	580,638			
507	330		318° 07'	-1.5°	6.3	89° 40'	+1.9	-4.4		271.9		+240	-227	602,098	580,411			
508	660		" "	" "	6.0	89° 40'	+3.8	+2.2		278.5		+480	-453	602,338	580,185			
509	990		" "	" "	7.2	89° 40'	+5.8	-1.4		274.9		+720	-680	602,578	579,958			
510	1320		" "	" "	7.7	89° 40'	+7.7	+0.0		276.3		+959	-907	602,817	579,731			
511	1650		" "	" "	7.8	89° 40'	+9.6	+1.8		278.1		+1199	-1133	603,057	579,505			
512	1980		318° 59' 47"	-1.5°	8.7	89° 40'	+11.5	+2.8		279.1	TP	+1460	-1338	603,317	579,300			
512	1980				8.6	270° 20'	+11.5	+2.9			TP	-	-					
	1270		146° 41' 00"	" "	+10.0	-		+10.0	289.1		BS	+1043	-725					
	1270				+10.0	270° -		+10.0			BS	-	-					
513	942		147° 18'	-1.5°	8.1	90° 10'	-2.7	-10.8		278.3		-779	+529	603,580	579,104			
514	628		154° 48'	" "	8.0	90° 10'	-1.8	-9.8		279.3		-561	+282	603,798	578,859			
515	330		169° 13'	" "	7.0	90° 10'	-1.0	-8.0		281.1		-322	+70	604,037	578,645			
516	0				5.2	-		-5.2		283.9	X	0	0	604,359	578,575			
517	330		330° 18'	-1.5°	6.1	-		-6.1		283.0		+282	-171	604,641	578,404			
518	660		326° 20'	" "	5.5	-		-5.5		283.6		+540	-380	604,899	578,195			
519	990		325° 42'	" "	9.3	TH	+5.0	-4.3		284.8		+803	-579	605,162	577,996			
520	1310		325° 12' 13"	" "	4.6	-		-4.6		284.5	X	+1017	-747	605,376	577,828			
520	1310		327° 08' 24"	" "	5.6	-		-5.6		283.5	TP	+1081	-739	605,439	577,836			
520	1310				12.1	TH	+6.6	-5.5			TP	-	-					

4 - 605,305 x - 577,815  
11 y - Inter. EL. 284.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-8-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	RWT	LINE NO.	11	PAGE	38
AREA	GEORGIA	TOPO MAP	DOLES - 7 1/2'	STATE	GEORGIA	COUNTY	WORTH	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.	
										283.5				
	1758		181° 13' 32"	-1.5° +	7.5	TH	-8.8	-1.3	282.0		BS	+1758	-8	
	1758				7.2	TH 270	-8.8	-1.6		-1.5 1/2	BS			
IF	1622		181° 30' 29"	-	5.8	TH	+8.1	+2.3		284.3	IF	-1622	± 0	605,574 577,828 IF T-Intersect
521	1428		181° 06'	-	8.3	89° 30'	+12.5	+4.2		286.2		-1428	+10	605,768 577,838
522	1098		" "	-1.5°	6.6	89° 30'	+9.6	+3.0		285.0		-1098	+8	606,098 577,836
523	768		181° 03'	-	8.3	89° 30'	+6.7	-1.6		280.4		-768	+6	606,428 577,834
524	438		180° 25'	-	6.3	89° 30'	+3.8	-2.5		279.5		-438	+8	606,758 577,834
525	109		173° 38'	-	5.4	89° 30'	+1.0	-4.4		277.6		-108	+15	607,088 577,843
X	0				5.2	-		-5.2		276.8	X	0	0	607,196 577,828
526	222		339° 36'	-1.5°	5.0	-		-5.0		277.0		+206	-83	607,402 577,745
527	551		337° 41'	-	8.6	-		-8.6		273.4		+504	-223	607,700 577,605
528	881		" "	-	11.1	-		-11.1		270.9		+806	-356	608,002 577,472
529	1211		336° 54' 35"	-	12.1	-		-12.1		269.9	TP	+1101	-504	608,296 577,324
529	1211				12.0	270-		-12.0			TP			
	1191		144° 16' 51"	-1.5° +	8.0	89° 30'	-10.4	-2.4	267.4		BS	+948	-720	
	1191				7.8	270° 30'	-10.4	-2.6		-2.5 1/2	BS			
530	861		143° 57'	-	9.0	89° 20'	+10.0	+1.0		268.4		-683	+525	608,560 577,129
531	531		" "	-	5.4	89° 20'	+6.2	+0.8		268.2		-421	+324	608,822 576,928
532	200		141° 51'	-	6.1	88° 20'	+5.8	-0.3		267.1		-154	+128	609,089 576,732
X	0				5.2	-		-5.2		262.2	X	0	0	609,243 576,604

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-8-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	1106 C.Y.	LINE NO.	11	PAGE	39
AREA	GEORGIA	TOPO MAP	DOLES-7 1/2'	STATE	GEORGIA	COUNTY	WORTH	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				
									267.4										
533	130		315° 25'	-1.5°	7.1	90° 30'	-1.1	-8.2		259.2		+90	-94	609,333	576,510				
534	460		" "	" "	11.7	90° 40'	-5.3	-17.0		250.4		+319	-331	609,562	576,273				
535	790		" "	" "	12.6	90° 40'	-9.2	-21.8		245.6		+548	-569	609,791	576,035				
536	1120		" "	" "	10.0	90° 40'	-13.0	-23.0		244.4		+777	-807	610,020	575,797				
537	1450		314° 41' 26"	" "	5.0	90° 40'	-16.9	-21.9		245.5	TP	+992	-1057	610,234	575,547				
537	1450			" "	4.9	269° 20'	-16.9	-21.8			TP	-	-						
	2468		151° 16' 52" 8.66	-1.5°	5.8	89° 50'	-7.2	-1.4	244.0		BS	+2133	-1242						
	2468		151° 17' 26"	" "	5.5	270° 10'	-7.2	-1.7	-1.5		BS	-	-						
538	2136		151° 30'	" "	7.6	89° 50'	+6.2	-1.4		242.6		-1850	+1068	610,516	575,373				
539	1806		" "	" "	5.7	89° 50'	+5.3	-0.4		243.6		-1564	+903	610,802	575,208				
540	1476		" "	" "	9.0	89° 40'	+8.6	-0.4		243.6		-1278	+738	611,088	575,043				
541	1146		151° 30'	-1.5°	9.6	89° 40'	+6.7	-2.9		241.1		-992	+573	611,374	574,878				
542	816		" "	" "	9.0	89° 40'	+4.7	-4.3		239.7		-707	+408	611,659	574,713				
543	486		" "	" "	6.4	89° 40'	+2.8	-2.6		240.4		-421	+243	611,945	574,548				
544	155		" "	" "	5.8	89° 40'	+0.9	-4.9		239.1		-134	+78	612,232	574,383				
Σ	0				5.2	-		-5.2		238.8	Σ	0	0	612,366	574,305			612,365 x - STA, 315	
545	198		43° 51'	-1.5°	5.1	88° 20'	+5.8	+0.7		244.7		+146	+133	612,512	574,438				
546	526		40° 49' 41"	" "	9.2	88° 20'	+6.1	-3.1		240.9	TP	+407	+333	612,772	574,638			ACROSS STA.	
546	526			" "	10.8	88° 10'	7.6	-3.2			TP	-	-						
Σ	612		40° 19' 58"	" "	11.5	89° 10'	+8.9	-2.6		241.4	Σ	+477	+384	612,843	574,684			612,840 x - STA, 700 y - STA. EL. 241.0	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.8.84		B. Cotcamp		W. Greenfield		6834		JSW/		11		40			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DOLES - 7 1/2		GEORGIA		WORTH								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
										240.9					
	1587		173° 20' 30"	-1.5°	+12.6	-		+12.6	253.3		BS	+1571	-225		
	1587				+12.2	270° -		+12.2	12.43		BS	-			
547	1294		173° 00'	"	6.8	BM	-6.5	-73.3		240.0		-1280	+191	613,062	574,604
548	964		173° 25'	"	7.9	BM	-4.8	-12.7		240.6		-954	+136	613,388	574,549
549	634		" "	"	7.9	BM	-3.2	-11.1		242.2		-628	+89	613,714	574,502
550	305		168° 47'	"	7.9	-		-7.9		245.4		-298	+67	614,044	574,480
π	0				5.2	-		-5.2		248.1	π	0	0	614,342	574,413
551	31		298° 39'	-1.5°	5.0	86° 44'	+11.8	-3.2		250.1		+14	-28	614,356	574,385
552	360		304° 10'	"	5.1	89° -	+76.3	+1.2		254.5		+194	-303	614,536	574,110
553	690		302° 08'	"	8.6	89° -	+12.0	+3.4		256.7		+352	-594	614,694	573,819
554	1020		301° 12'	"	5.0	89° 30'	+8.9	+3.9		257.2		+505	-886	614,847	573,529
lf	1053		300° 31' 52"	"	5.3	89° 30'	+9.2	+3.9		257.2	lf	+511	-921	614,853	573,492 lf T-ROAD
555	1350		301° 03'	"	7.8	89° 30'	+11.8	+4.0		257.3		+666	-1174	615,008	573,239
556	1680		300° 57'	"	10.2	89° 30'	+14.7	+4.5		257.8		+826	-1463	615,168	572,150
557	2008		300° 34' 24"	"	13.3	89° 40'	+11.7	-1.6		251.8	TP	+976	-1755	615,317	572,658
557	2008				13.0	270° 20'	+11.7	-1.3	1.53		TP	-			
	610		166° 19' 29"	-1.5°	+7.0	88° 46'	-13.1	-6.1	245.7		BS	+589	-160		
	610				+7.0	271° 16'	-13.1	-6.1			BS	-			
558	326		183° 18'	"	8.0	89° 30'	+2.8	+5.2		250.9		-326	-10	615,579	572,488
JC	221		183° 29' 50"	"	5.8	-		-5.8		239.9	JC	-221	-8	615,684	572,490

5- 615,100 X- 572,505 BRIDGE

SURVEY NOTES-HIGH RESOLUTION DATA

GEQ-445

Geosource Inc.

DATE	3 9.24	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	CJ B.C.	LINE NO.	11	PAGE	41
AREA	GEORGIA	TOPO MAP	DOLES - 7 1/2'	STATE	GEORGIA	COUNTY	WORTH	TWP	RANGE	PPM	PARTY MANAGER L.O. OQUIS		

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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS	
														Y	X		
									245.7								
559	0			-	5.2	-		-5.2		240.5	TP	0	0	615.905	572.498		
560	322		314° 25'	-1.5°	4.5	88° 40'	+7.5	+3.0		248.7		+219	-236	616.124	572.262		
TP	360		311° 36' 23"	"	4.3	88° 50'	+7.3	+3.0	}	248.7	TP	+232	-275	616.136	572.223	} 1/2" 616.110 x - 572.250 1/2" T-ROAD EL. 248	
TP	360				3.2	89° 0'	+6.3	+3.1		TP		"					
	1088		117° 51' 21"	"	+8.7	89° 10'	-15.8	-7.1	}	241.6	BS	+483	-975				
	1088				+11.9	89° 0'	-19.0	-7.1		BS		-1					
561	799		117° 31'	-1.5°	8.0	89° 20'	+9.3	+1.3		242.9		-352	+717	616.266	571.965		
562	469		" "	"	7.9	89° 20'	+5.5	-2.4		239.2		-206	+421	616.412	571.669		
563	139		119° 59'	"	6.0	89° 20'	+1.6	-4.4		237.2		-66	+122	616.552	571.370		
TP	0				5.2	-		-5.2		236.4	TP	0	0	616.618	571.248		
564	201		337° 35'	-1.5°	5.1	89° 30'	+1.8	-3.3		238.3		+184	-81	616.802	571.167		
565	531		340° 58'	"	6.7	89° 30'	+4.6	-2.1		239.5		+497	-186	617.115	571.062		
566	857		339° 12' 14"	"	8.7	89° 30'	+7.5	-1.2	}	240.4	TP	+793	-325	617.410	570.923		
566	857				6.2	89° 40'	+5.0	-1.2		TP		-1					
	1651		143° 58' 01"	-1.5°	+9.3	90° 40'	+19.2	+28.5	}	268.9	BS	+1309	-1006				
	1651				+9.4	269° 20'	+19.2	+28.6		BS							
567	1320		143° 47'	"	10.3	90° 40'	-15.4	-25.7		243.2		-1044	+808	617.675	570.725		
568	990		143° 14'	"	9.7	90° 40'	-11.5	-21.2		247.7		-777	+613	617.942	570.530		
569	660		142° 42'	"	8.2	90° 40'	-7.7	-15.9		253.0		-514	+414	618.205	570.331		
570	830		142° 05'	"	8.4	90° 40'	-3.8	-12.2		256.7		-255	+210	618.464	570.127		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.9.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	B.P.	LINE NO.	11	PAGE	42
AREA	GEORGIA	TOPO MAP	DOLES - 7 1/2'	STATE	GEORGIA	COUNTY	WORTH	TWP		RANGE		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			
									268.9									
571	0				5.2	-		-5.2		263.7	TP	0	0	618.719	569.917			
11	86		320 23 40	-1.5	3.5	-		-3.5		265.4	11	+65	-57	618.784	569.860			11 - 618.800 x - 569.895 FENCELINE EL. 266
572	330		325 01	--	7.3	90 20	-1.9	-9.2		259.7		+265	-196	618.984	569.721			
573	660		" "	--	11.2	90 20	-3.8	-15.0		253.9		+531	-372	619.250	569.525			
574	990		" "	--	10.3	90 30	-8.6	-18.9		250.0		+796	-589	619.515	569.328			
575	1327		324 43 48	--	3.6	90 30	-11.6	-15.2		253.7	TP	+1063	-794	619.782	569.123			ACROSS STA.
575	1327				3.7	269 30	-11.6	-15.3			TP							
	1329		180 55 13	-1.5	+9.1	-		+9.1	262.8		BS	+1329	-13					
	1329				+9.2	270		+9.2			BS							
576	990		181 24	--	7.8	-		-7.8		255.0		-990	+2	620.121	569.112			
577	660		" "	--	6.5	-		-6.5		256.3		-660	+1	620.451	569.111			
578	330		" "	--	5.9	-		-5.9		256.9		-330	+1	620.781	569.111			
579	0				5.2	-		-5.2		257.6	TP	0	0	621.111	569.110			
580	330		1 37	-1.5	5.3	TM	+1.7	-3.6		259.2		+330	+1	621.441	569.111			
581	660		" "	--	6.4	TM	+3.3	-3.1		259.7		+660	+1	621.771	569.111			
582	990		" "	--	8.1	TM	+5.0	-3.1		259.7		+990	+2	622.101	569.112			
583	1321		1 26 48	--	3.0	-		-3.0		259.8	TP	+1321	-1	622.432	569.109			
583	1321				3.1	270		-3.1			TP							
	3631		181 26 08	--	+6.2	-		+6.2	266.1		BS	+3631	-4					
	3631				+6.5	270		+6.5	263.3		BS							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.9.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	11	PAGE	43
AREA	GEORGIA	TOPO MAP	DOLES - 7 1/2'	STATE	GEORGIA	COUNTY	WORTH	TWP		RANGE		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		
									266.1								
584	3300		181° 23'	-1.5°	7.0	-		-7.0		259.1		-3300	+7	622,763	569,112		
585	2970		" "	--	8.3	-		-8.3		257.8		-2970	+6	623,093	569,111		
586	2640		" "	--	8.8	-		-8.8		257.3		-2640	+5	623,423	569,110		
587	2310		181° 28' 18"	--	7.2	-		-7.2		258.9	±	-2369	+1	623,694	569,106	± 3 - 623,695 - 569,105 ± 4 way Int. RL 259.	
588	1980		181° 33'	--	6.3	-		-6.3		259.8		-1980	-2	624,083	569,103		
589	1650		" "	-1.5°	5.1	-		-5.1		261.0		-1650	-1	624,413	569,104		
590	1320		" "	--	5.1	-		-5.1		261.0		-1320	-1	624,743	569,104		
591	990		181° 38'	--	5.2	-		-5.2		260.9		-990	-2	625,073	569,103		
592	660		" "	--	8.0	TH	+3.3	-4.7		261.4		-660	-2	625,403	569,103		
593	330		" "	--	6.1	TH	+1.7	-4.4		261.7		-330	-1	625,733	569,104		
594	0		" "	--	5.2	-		-5.2		260.9	±	0	0	626,063	569,105		
595	330		1° 45'	-1.5°	5.8	TH	+1.7	-4.1		262.0		+330	+1	626,393	569,106		
596	660		" "	--	6.8	TH	+3.3	-3.5		262.6		+660	+3	626,723	569,108		
597	990		" "	--	7.8	TH	+5.0	-2.8		263.3		+990	+4	627,053	569,109		
598	1320		" "	--	7.3	TH	+6.6	-0.7		265.4		+1320	+6	627,383	569,111		
599	1650		1° 45'	-1.5°	7.0	TH	+8.3	+1.3		267.4		+1650	+7	627,713	569,112		
600	1980		" "	--	7.1	TH	+9.9	+2.8		268.9		+1980	+9	628,043	569,114		
601	2310		" "	--	8.0	TH	+11.6	+2.6		269.7		+2310	+10	628,373	569,115		
602	2640		" "	--	8.1	TH	+13.2	+5.1		271.2		+2640	+12	628,703	569,117		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 3.9.84	INSTRUMENT MAN B. Cotcamp	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY C.S.	LINE NO. 11	PAGE 44
AREA GEORGIA	TOPO MAP DOLPS-7 1/2	STATE Georgia	COUNTY WORTH	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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS	
														Y	X		
									266.1								
603	2970		1° 45'	-1.5°	9.8	TM	+14.9	+5.1		271.2		+2970	+13	629,033	569,118		
604	3301		1° 37' 54"	-1.7°	11.1	TM	+16.5	+5.4	} +5.2	271.3	TP	+3301	-4	629,364	569,101		
604	3301				11.4	TM	+16.5	+5.1		TP							
	633		167° 08' 25"	-1.7°	4.7	-		+4.7		276.0	BS	+613	-159				
	633				+7.9	TM	-3.2	+4.7			BS						
605	341		155° 29' 35"	-1.7°	2.6	-		-2.6		273.4	TP	-306	+151	629,671	569,093	TP 629,660x=569,105 4 WAY INT. EL. 274.0	
605	327		151° 53'	"	6.8	89° 10'	+14.8	-2.0		274.0		-284	+163	629,693	569,105		
606	0				5.2	-		-5.2		270.8	X	0	0	629,97	568,942		
607	330		347° 38'	"	5.8	89° 50'	+1.0	-4.8		271.2		+320	-80	630,29	568,862		
608	660		"	"	6.4	88° 50'	+1.9	-4.5		271.5		+640	-160	630,61	568,782		
609	990		347° 30' 46"	"	6.8	89° 50'	+2.9	-3.9	}	272.1	TP	+960	-243	630,937	568,699		
609	990				3.9	-		-3.9		TP							
	2085		167° 15' 03"	-1.7°	3.5	-		+3.5	}		BS	+2019	-520				
	2085				+3.4	270-		+3.4		275.5	BS						
610	1755		167° 00'	"	11.1	TM	+8.8	-2.3		273.2		-1698	+445	631,258	568,624		
611	1425		166° 50'	"	10.7	TM	+7.1	-3.6		271.9		-1377	+366	631,579	568,545		
612	1095		166° 38'	"	8.9	TM	+5.5	-3.4		272.1		-1057	+285	631,899	568,464		
613	765		166° 27'	"	8.3	TM	+3.8	-4.5		271.0		-738	+201	632,218	568,380		
614	435		165° 24'	"	7.0	TM	+2.2	-4.8		270.7		-418	+122	632,538	568,301		
615	107		156° 46'	"	5.4	-		-5.4		270.1		-97	+45	632,859	568,224		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.10.84	INSTRUMENT MAN	B. Cramp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	W.C.	LINE NO.	11	PAGE	45	
AREA	GEORGIA	TOPO MAP	DOLES-7 1/2'	STATE	GEORGIA	COUNTY	WORTH	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.	
									275.5					
π	0				5.2	-		-5.2		270.3	π	0	0	632,956 568,199
616	219		298° 35'	-1.7°	5.3	-		-5.3		270.2		+99	-195	633,055 567,984
617	548		295° 33'	"	5.1	-		-5.1		270.4		+222	-501	633,178 567,678
618	878		294° 35'	"	8.7	TM	+4.4	-4.3		271.2		+341	-809	633,297 567,370
619	1208		294° 06'	"	9.8	TM	+6.0	-3.8		271.7		+460	-1117	633,416 567,062
620	1538		293° 58'	"	4.0	-		-4.0		271.5		+583	-1423	633,539 566,756
TP	1757		294° 06' 14"	"	4.0	-		-4.0		271.5	TP	+670	-1624	633,626 566,555
TP	1757				3.9	270°		-3.9			TP			
	689		133° 24' 11"	-1.7°	3.2	-		+3.2	274.7		BS	+458	-514	
	689				6.6	TM	-3.4	+3.2			BS			
621	576		133° 11'	-1.7°	6.7	TM	+2.9	-3.8		270.9		-382	+432	633,702 566,473
622	246		" "	"	5.9	TM	+1.2	-4.7		270.0		-163	+184	633,921 566,225
1F	64		138° 34' 52"	"	4.6	-		-4.6		270.1	1F	-47	+44	633,037 566,085
π	0				5.2	-		-5.2		269.5	π	0	0	634,084 566,041
623	91		349° 50'	-1.7°	5.1	-		-5.1		269.6		+89	-19	634,173 566,022
624	421		" "	"	7.2	-		-7.2		267.5		+412	-87	634,496 566,954
625	751		" "	"	10.0	-		-10.0		264.7		+735	-154	634,819 565,887
626	1081		" "	"	7.2	BM	-5.4	-12.6		262.1		+1058	-222	635,142 565,819
627	1411		" "	"	7.9	BM	-7.1	-15.0		259.7		+1381	-290	635,465 565,751
628	1741		" "	"	8.3	BM	-8.7	-17.0		257.7		+1704	-358	635,788 565,483

1F - 634,020 X - 566,085  
T - ROAD WEST E. 270

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.9.84		B. Cotcamp		W. Greenfield		6834		CJ		B.C.		11 46			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DOLES - 7 1/2'		GEORGIA		WORTH								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
									274.7						
TP	1793		349° 22' 00"	-1.7°	8.3	BH	-9.0	-17.3	}	257.4	TP	+1752	-383	635,836	565,658
TP	1793				8.2	BH	-9.0	-17.2		TP					
	1416		162° 56' 25"	++	+2.0	TM	-7.1	-5.1	}	252.2	BS	+1341	-455		
	1416				+1.8	TM 270°	-7.1	-5.3		BS					
62 41	1379		163° 04' 22"	-1.7°	2.8	89° 40'	+8.0	+5.2		257.4	41	-1307	+440	635,870	565,643
41	1137		162° 57'	--	6.7	89° 30'	+9.9	+3.2		255.4		-1077	+365	636,100	565,568
630	807		162° 57'	--	7.4	89° 30'	+7.0	-0.4		251.8		-764	+259	636,413	565,462
631	477		" "	--	8.1	89° 30'	+4.2	-3.9		248.3		-452	+153	636,725	565,356
632	147		" "	--	5.0	89° 30'	+1.3	-3.7		248.5		-139	+47	637,038	565,250
K	0				5.2	-		-5.2		247.0	K	0	0	637,177	565,203
633	185		1° 25'	-1.7°	4.9	89° 30'	-1.6	-6.5		245.7		+185	-1	637,362	565,202
634	515		" "	--	5.1	90° 30'	-4.5	-9.6		242.6		+515	-3	637,692	565,200
635	845		" "	--	7.1	90° 30'	-7.4	-14.5		237.7		+845	-4	638,022	565,199
636	1175		1° 25'	--	8.3	90° 30'	-10.3	-18.6		233.6		+1175	-6	638,352	565,197
637	1505		" "	--	4.8	90° 30'	-13.1	-17.9		234.3		+1505	-7	638,682	565,196
638	1835		1° 04' 47"	--	5.9	90° 20'	-10.7	-16.6	}	235.6	TP	+1835	-20	639,012	565,183
638	1835				5.8	269° 40'	-10.7	-16.5		TP					
	468		148° 59' 23"	-1.7°	+11.6	-		+11.6	}	247.2	BS	+394	-253		
	468				+9.3	BH	+2.3	+11.6		BS					
41	212		151° 10' 48"	--	4.6	91° -	-3.7	-8.3		238.9	41	-183	+108	639,223	565,038

y=635,875 x=565,635  
41 T-Inter.

DOLES - 7 1/2' ↑  
WARWICK - T 1/2 ↓

y=639,200 x=565,035  
41 T-Inter. EL. 257.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEQ-445

Geosource Inc.

DATE 3.8.84 INSTRUMENT MAN B. Cotcamp ROD MAN W. Greenfield PARTY NUMBER 6834 NOTES CHECKED BY B.C. LINE NO. 11 PAGE 47  
 AREA GEORGIA TOPO MAP WARWICK-7 1/2' STATE GEORGIA COUNTY WORTH 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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									247.2							
639	137		149° 08'	-1.7°	7.0	-		-7.0		240.2		-115	+74	639.291	565.004	
X	0				5.2	-		-5.2		242.0	X	0	0	639.406	564.930	
640	196		2° 15'	--	5.6	-		-5.6		241.6		+196	+2	639.602	564.932	
641	526		" "	--	6.9	-		-6.9		240.3		+526	+5	639.932	564.935	
642	856		2° 16' 28"	-1.5°	9.1	-		-9.1		238.1	TP	+856	+12	640.262	564.942	
642	856				9.0	270° -		-9.0			TP					
	2639		182° 38' 20"	--	+4.6	90° 38'	+29.2	+33.8	271.7		BS	+2638	+52			
	2639				+4.3	269° 22'	+29.2	+33.5	+33.6		BS					
643	2310		182° 30'	--	6.1	90° 40'	-26.9	-33.0		238.7		-2310	-40	640.590	564.954	
644	1980		" "	--	7.8	90° 40'	-23.0	-30.8		240.9		-1980	-35	640.920	564.959	
645	1650		182° 20'	-1.5°	9.8	90° 40'	-19.2	-29.0		242.7		-1650	-24	641.250	564.970	
646	1320		" "	--	11.2	90° 40'	-15.4	-26.6		245.1		-1320	-19	641.580	564.975	
647	990		181° 55'	--	12.2	90° 40'	-11.5	-23.7		248.0		-990	-7	641.910	564.987	
648	660		181° 40'	--	10.4	90° 40'	-7.7	-18.1		253.6		-660	-2	642.240	564.992	
649	330		180° 31'	--	6.1	90° 40'	-3.8	-9.9		261.8		-330	+6	642.570	565.000	
650	0				5.2	-		-5.2		266.5	X	0	0	642.900	564.994	
651	330		343° 18'	-1.5°	7.5	-		-7.5		264.2		+313	-103	643.213	564.891	
652	660		" "	--	10.3	-		-10.3		261.4		+627	-206	643.527	564.788	
653	990		" "	--	9.3	-		-9.3		262.4		+940	-309	643.840	564.685	

