

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc. Client-COCORP

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
12-5-78		G. Cotcamp		R. Hulsey		6834		R. J. H.		4	10 of 43			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
GEORGIA		Broad		Georgia		Wilkes					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.	
EM										467.0				Instrument - Wild TIA
	344		95° 27.7' +180°	-1.0°	+14.4	92°	+12.0	+26.4	493.4		BS	+27	-343	chaining - 300' leitz Tape + steel errors
	344				+13.0	92° 19'	+13.4	+26.4			BS			U.S.G.S. el. 467 K
7	300		88° 39'	-1.0°	13.3	92°	-10.5	-23.8		469.6		+12	+300	1984 P 1952
1	220		88° 34'	-1.0°	11.6	92°	-7.7	-19.3		474.1		+9	+220	T-intersect.
2	0				5.4	-		-5.4		488.0	X	0	0	
3	220		278° 43'	-1.0°	2.2	89°	+3.8	+1.6		495.0		+30	-218	
4	440		276° 44.3'	-1.0°	4.0	88° 30'	+11.5	+7.5		500.9	TP	+44	-438	
4	440				2.7	88° 40'	+10.2	+7.5			TP			
	440		71° 52.2' +180°	-1.0°	+2.3	-		+2.3	503.2		BS	-144	-416	
	440		68° 55'		+9.5	TH	-2.2	+2.3			BS			
5	220		68° 55'	-1.0°	0.5	-		-0.5		502.7		+83	+204	
6	0				5.4	-		-5.4		497.8	X	0	0	
7	220		260° 10'	-1.0°	11.7	-		-11.7		491.5	TP	-41	-216	
7	220				12.8	TH	+1.1	-11.7			TP			
	440		92° 41' +180°	-1.0°	+3.0	88° 40'	-10.2	-7.2	484.3		BS	+13	-440	
	440				+5.5	88° 20'	-12.8	-7.3			BS			
8	220		92° 41'	-1.0°	3.3	89°	+3.8	+0.5		484.8		-6	+220	
9	0				5.4	-		-5.4		478.9	X	0	0	
10	220		285° 30'	-1.0°	6.3	-		-6.3		478.0		+55	-213	
11	440			-1.0°	2.8	-		-2.8		481.5		+110	-426	

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 12-5-78	INSTRUMENT MAN G. Liscamp	ROD MAN E. Wilson	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 7	PAGE 2
AREA Georgia	TOPO MAP G road	STATE Georgia	COUNTY Wilkes	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 X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									484.3					
12	660		283° 46.5'	-1.0°	2.3	89° 30'	+5.8	+3.5		487.8	TP	+146	-644	1,433,105 339,498
12	660				0.9	89° 40'	+3.8	+3.4			TP			
	440		84° 2.3' + 180°	-1.0°	+2.7	-		+2.7	490.5		TP	-53	-437	
	440				4.9	TH	-2.2	+2.7			BS			
13	220		78° 55'	-1.0°	6.1	-		-6.1		484.4		+46	+215	1,433,098 339,276
14	0				5.4	-		-5.4		485.1	X	0	0	1,433,052 339,061
14	70		254° 32'	-1.0°	4.7	-		-4.7		485.8		-20	-67	1,433,032 338,994 Trail (south)
15	220		257° 14.6'	-1.0°	2.3	-		-2.3		488.2		-52	-214	1,433,000 338,847
16	440		257° 14.6'	-1.0°	2.9	89°	+7.7	+4.8		495.3	TP	-105	-427	1,432,947 338,634
16	440				0.9	89° 16'	+5.6	+4.7			TP			
	880		80° 48.3' + 180°	-1.0°	+5.7	-		+5.7	501.0		BS	-156	-866	
	880				+10.1	TH	-4.4	+5.7			BS			
17	660		79° 25'	-1.0°	2.1	-		-2.1		498.9		+133	+647	1,432,924 338,415
18	440			-1.0°	5.3	-		-5.3		495.7		+88	+431	1,432,879 338,199
19	220			-1.0°	5.9	-		-5.9		495.1		+44	+216	1,432,835 337,984
20	0				5.4	-		-5.4		495.6	X	0	0	1,432,791 337,768
20	120		254° 18'	-1.0°	9.7	-		-9.7		491.3		-34	-115	1,432,757 337,653 Y-intersect. (north) el 489
21	218		247° 32.6'	-1.0°	11.0	-		-11.0		490.0	TP	-87	-200	1,432,704 337,568 curve
21	218				9.9	BH	-1.1	-11.0			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 12-5-78	INSTRUMENT MAN G. Cotcamp	ROD MAN E. Huber	PARTY NUMBER 10754	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 3
AREA Georgia	TOPO MAP P. 1004	STATE Georgia	COUNTY Wilkes	TWP	RANGE	PPM
				PARTY MANAGER L. J. Lewis		

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.	
21										490.0				
	440		44°36' +180°	-1.0°	+14.4	0H	+2.2	+16.6	506.6		BS	-319	-303.	
	440				+14.0	90°20'	+2.6	+16.6			BS			
22	220		44°36'	-1.0°	12.8	-		-12.8		493.8		+159	+152	1,432,544 337,417
23	0				5.4	-		-5.4		501.2	T	0	0	1,432,385 337,265
24	220		239°20'	-1.0°	6.7	89°-	+3.8	+3.1		509.7		-115	-187	1,432,270 337,078
25	442		241°14.6'	-1.0°	4.5	88°	+15.4	+10.9		517.5	TP	-219	-384	1,432,166 336,881
25	442				3.2	88°10'	+14.1	+10.9			TP			
	440		74°16' +180°	-1.0°	+13.9	91°-	+7.7	+21.6	539.1		BS	-127	-421.	
	440				+14.9	90°52'	+6.7	+21.6			BS			
26	220		72°49'	-1.0°	14.1	-		-14.1		525.0		+69	+209	1,432,108 336,669
27	0				5.4	-		-5.4		533.7	T	0	0	1,432,039 336,460
28	220		254°58'	-1.0°	2.5	-		-2.5		536.6		-61	-211	1,431,978 336,249
29	440			-1.0°	0.1	TH	+2.2	+2.1		541.2		-122	-423	1,431,917 336,037
30	660		254°58'	-1.0°	6.4	89°	+11.5	+5.1			T	-182	-634.	1,431,857 335,826
30	660				1.7	89°24'	+6.9	+5.2		544.3	TP			
	437		56°15' +180°	-1.0°	-7.5	89°	-7.6	+1.9	546.2		BS	-249	-359	
	437				5.1	89°	-3.1	+1.9			BS			
31	220		50°11'	-1.0°	5.1	-		-0.4		545.8		+144	+166	1,431,752 335,633
32	0				5.4	-		-5.4		540.8	T	0	0	1,431,608 335,467
33	220		232°17.2'	-1.0°	5.5	-		-8.8		537.4		-138	-172	1,431,470 335,295

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 12-5-78	INSTRUMENT MAN S. Simpson	ROD MAN B. J. H.	PARTY NUMBER	NOTES CHECKED BY R.J.H.	LINE NO.	PAGE 1
AREA Geosource	TOPO MAP	STATE	COUNTY Wilkes	TWP	RANGE	PPM
PARTY MANAGER						

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			
									546.2									
34	440		232° 17.2'	-1.0°	11.9	-		-11.9		534.3		-275	-343	1,431,333	335,124			
35	660			-1.0°	13.5	64	-3.3	-16.8		529.4		-413	-515	1,431,195	334,952			
36	880			-1.0°	11.2	90° 40'	-10.2	-21.4		524.8		-550	-687	1,431,058	334,780			
37	1100		232° 17.2'	-1.0°	8.1	90° 40'	-12.8	-20.9		525.3	TF	-688	-858	1,430,920	334,609			
37	1100				144	90° 20'	-6.4	-20.8			TF							
	440		65° 54' +180°	-1.0°	+12.8	91°	+7.7	+20.5	545.8		CS	-187	-398					
	440				+11.5	91° 10'	+9.0	+20.5			BS							
38	220		65° 54'	-1.0°	13.7	64	-2.2	-14.8		531.0		+93	+199	1,430,826	334,410			
39	0				5.4	-		-5.4		540.4	TF	0	0	1,430,733	334,211			
40	220		253° 41.5'	-1.0°	3.0	88° -	+7.7	+4.7		550.5	TF	-65	-210	1,430,668	334,001			
40	220				1.1	88° 30'	+5.8	+4.7			TF							
	439		47° 5.6' +180°	-1.0°	+9.3	-		+9.3	559.8		TF	-304	-316					
	439				+11.5	TH	-2.2	+9.3			TF							
41	220		40° 34'	-1.0°	4.3	-		-4.3		555.5		+170	+140	1,430,534	333,825			
42	0				5.4	-		-5.4		554.4	X	0	0	1,430,364	333,685			
43	220		215° 40'	-1.0°	3.7	-		-3.7		556.1		-181	-125	1,430,183	333,560			
44	440		212° 43'	-1.0°	2.7	-		-2.7		557.1	TF	-374	-231	1,429,990	333,454			
44	440				4.9	TH	+2.2	-2.7			TF							
	221		48° 29.4' +180°	-1.0°	+7.6	-		+7.6	564.7		CS	-149	-163					
	221				+8.7	TH	-1.1	+7.6			CS							

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 12-5-78	INSTRUMENT MAN S. [unclear]	ROD MAN R. [unclear]	PARTY NUMBER [unclear]	NOTES CHECKED BY R. J. H.	LINE NO. [unclear]	PAGE 5
AREA Geosource	TOPO MAP Road	STATE Georgia	COUNTY Wilkes	TWP [unclear]	RANGE [unclear]	PPM [unclear]
				PARTY MANAGER [unclear]		

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.	
									564.7					
45	0				54	-		-5.4		559.3	T	0	0	1,429,841 333,291
46	220		260° 17.5'	-1.0°	1.6	-		-1.6		563.1	TP	-41	-216	1,429,800 333,075
46	220				2.7	TH	+1.1	-1.6			TF			
	660		62° 39.4' + 180°	-1.0°	10.9			+10.9	574.0		CS	-313	-581	
	660				14.2	TH	-3.3	+10.9			CS			
47	440		60° 45'	-1.0°	7.2	-		-7.2		566.8		+222	+380	1,429,709 332,874
48	220		"	-1.0°	4.7	-		-4.7		569.3		+111	+190	1,429,598 332,684
49	0				54	-		-5.4		568.6	T	0	0	1,429,487 332,494
50	220		225° 10.5'	-1.0°	4.9	-		-4.9		569.1		-158	-153	1,429,329 332,341
51	440		"	-1.0°	54	-		-5.4		568.6		-316	-307	1,429,171 332,187
52	660		225° 10.5'	-1.0°	8.7	-		-8.7		565.3	TF	-473	-460	1,429,014 332,034
52	660				12.0	TH	+3.3	-8.7			TF			
	220		37° 5.6' + 180°	-1.0°	0.3	-		+0.3	565.6		CS	-178	-130	
	220				1.4	TH	-1.1	+0.3			CS			
53	0				54	-		-5.4		560.2	T	0	0	1,428,836 331,904
54	220		226° 27'	-1.0°	8.3	-		-8.3		557.3		-154	-157	1,428,682 331,747
55	431		235° 35.5'	-1.0°	8.3	-		-8.3		557.3	TF	-250	-351	1,428,586 331,553
55	431				6.1	TH	-2.2	-8.3			TF			
	660		69° 37.6' + 180°	-1.0°	9.9	-		+9.9	567.2		CS	-293	-591	
	660				13.2	TH	-3.3	+9.9			CS			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445'

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-5-78		G. Sotomayor		R. Hulsey		4271		R.J.H.		7		6			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Road		Georgia		Wilkes								C.D. P. [unclear]	
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
									567.2						
56	440		64°37.6'	-1.0°	8.9	-		-8.9		558.3		+195	+394	1,428,488	331,356
57	220		"	-1.0°	7.8	-		-7.8		559.4		+98	+197	1,428,391	331,159
58	0				5.4	-		-5.4		561.8	T	0	0	1,428,293	330,962
59	220		253°12'	-1.0°	9.4	-		-9.4		557.8		-67	-209	1,428,226	330,753
60	440		"	-1.0°	13.0	-		-13.0		554.2		-135	-419	1,428,158	330,543
61	660		"	-1.0°	13.4	-		-13.4		553.8		-202	-628	1,428,091	330,334
62	880		251°41.3'	-1.0°	9.9	-		-9.9		557.3	T	-291	-830	1,428,002	330,132
62	880				5.5	84	-4.4	-9.9			T				
	440		66°55.2'+180°	-1.0°	+14.1	-		+14.1	571.4		BS	-180	-402		
	440				+11.9	84	+2.2	+14.1			BS				
63	220		66°55.2'	-1.0°	6.7	-		-6.7		564.7		+93	+199	1,427,915	329,929
64	0				5.4	-		-5.4		566.0	T	0	0	1,427,822	329,730
65	220		256°36'	-1.0°	6.6	-		-6.6		564.8		-55	-213	1,427,767	329,517
66	440		"	-1.0°	2.1	-		-2.1		569.3		-109	-426	1,427,713	329,304
67	660		"	-1.0°	4.2	89°20'	+7.7	+3.5		574.9		-164	-639	1,427,658	329,091
68	880		"	-1.0°	4.6	89°20'	+10.2	+5.6		577.0		-219	-852	1,427,603	328,878
IF	1088		256°12'	-1.0°	6.6	89°20'	+12.7	+6.1		577.5		-278	-1052	1,427,544	328,678
69	1100		256°24.1'	-1.0°	10.8	89°10'	+16.0	+5.2		576.6	T	-277	-1064	1,427,545	328,666
69	1100				4.4	89°30'	+9.6	+5.2			T				

last sta. on dirt road
T-intersect.
line jogs south

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-5-78	INSTRUMENT MAN G. Cottramp	ROD MAN R. H. Holey	PARTY NUMBER 583-1	NOTES CHECKED BY R. J. H.	LINE NO. 7	PAGE 7
AREA Georgia	TOPO MAP Road	STATE Georgia	COUNTY Wilkes	TWP	RANGE	PPM
				PARTY MANAGER L. O. Cook		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
69										576.6				
	220		335° 44.5' 180°	-1.0°	+7.6	-		+7.6	584.2		BS	-199	+94	
	220				8.7	TH	-1.1	+7.6		BS				
69	185		350° 50.2'	-1.0°	2.2	-		-2.2		582.0	X	+182	-33	1,427,528 328,727 U.S.G.S. el 582.
70	0				5.4	-		-5.4		578.8	X	0	0	1,427,346 328,760 20 RHP 1952
71	220		166° 36.2'	-1.0°	4.4	-		-4.4		579.8	TP	-213+1	+55+1	1,427,134 328,816
71	220				5.5	TH	+1.1	-4.4			TP			
	220		10° 32.2' +180°	-1.0°	+8.9	-		+8.9	588.7		BS	-217+1	-36+1	
	220				10.0	TH	-1.1	+8.9		BS				
72	0				5.4	-		-5.4		583.3	X	0	0	1,426,918 328,781
73	219		211° 7.2'	-1.0°	0.6	TH	+7.1	+0.5		589.2	TP	-189+1	-110+1	1,426,730 328,672
73	219				1.4	89° 30'	+1.9	+0.5			TP			
	440		60° 3' +180°	-1.0°	+11.2	-		+11.2	600.4		BS	-226+1	-377+1	
	440				13.4	TH	-2.2	+11.2		BS				
74	220		64° 58'	-1.0°	6.0	-		-6.0		594.4		+97	+198	1,426,602 328,994
75	0				5.4	-		-5.4		595.0	X	0	0	1,426,505 328,296
76	220		245° 48'	-1.0°	7.7	-		-7.7		592.7		-96	-198	1,426,409 328,098
77	440			-1.0°	9.8	-		-9.8		590.6		-192	-396	1,426,313 327,900
78	660			-1.0°	12.1	-		-12.1		588.3		-288	-594	1,426,217 327,702
79	880			-1.0°	13.1	-		-13.1		587.3		-385	-791	1,426,120 327,505
80	1100			-1.0°	11.1	-		-11.1		589.3		-481	-989	1,426,024 327,307

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 12-6-78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 4	PAGE 8
AREA Georgia	TOPO MAP Broad	STATE Georgia	COUNTY Wilkes	TWP	RANGE	PPM
				PARTY MANAGER L. O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									600.4							
80	1143		244° 19'	-1.0°	10.3	-		-10.3		590.1		-513	-1021	1,425,992	327,275	Trail (north)
81	1320		245° 48'	-1.0°	7.0	-		-7.0		593.4		-577	-1187	1,425,928	327,109	
82	1540		'	-1.0°	1.3	-		-1.3		599.1		-673	-1385	1,425,832	326,911	
83	1760		'	-1.0°	4.0	TH	+8.8	+4.8		605.2		-769	-1583	1,425,736	326,713	
84	1980		'	-1.0°	6.2	89° 30'	+17.3	+11.1		611.5		-865	-1781	1,425,640	326,515	
85	2200		245° 4.8'	-1.0°	5.6	89° 30'	+19.2	+13.6		614.0	TP	-962+1	-1979+1	1,425,544	326,318	
85	2200				14.6	89° 16'	+28.2	+13.6			TP					
	1100		70° 20.5' +180°	-1.0°	+4.6	TH	-5.5	-0.9	613.1		BS	-388+1	-1029+1			
	1100				+5.6	89° 40'	-6.4	-0.8			BS					
86	880		70° 20.5'	-1.0°	2.3	-		-2.3		610.8		+310	+823	1,425,467	326,113	
87	660		'	-1.0°	3.0	-		-3.0		610.1		+232	+618	1,425,389	325,908	
88	440		'	-1.0°	0.8	-		-0.8		612.3		+155	+412	1,425,312	325,702	
89	220		"	-1.0°	3.0	-		-3.0		610.1		+78	+206	1,425,235	325,496	
90	0				5.4	-		-5.4		607.7	π	0	0	1,425,157	325,290	
91	220		243° 47'	-1.0°	9.1	-		-9.1		604.0		-101	-196	1,425,056	325,094	
92	440		239° 48'	-1.0°	12.9	-		-12.9		600.2		-228	-376	1,424,929	324,914	
93	660		237° 58'	-1.0°	12.3	BH	-3.3	-15.6		597.5		-360	-553	1,424,797	324,737	
94	880		237° 17'	-1.0°	10.9	90° 30'	-7.7	-18.6		594.5		-488	-732	1,424,669	324,558	
95	1100															
95	1025		236° 42'	-1.0°	14.8	BH	-5.1	-19.9		593.2		-578	-847	1,424,579	324,443	Trail (south)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-6-78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 7	PAGE 9
AREA Georgia	TOPO MAP Crossroads	STATE Georgia	COUNTY Wilkes	TWP	RANGE	PPM
				PARTY MANAGER L.D. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	CROSSROADS 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.	
									613.1					
95	1100		237°21'	-1.0°	11.1	90°30'	-9.6	-20.7		592.4		-610	-916	1,424,547 324,374
96	1318		236°44'	-1.0°	11.2	90°30'	-11.5	-22.7		590.4	TP	-742	-1089+1	1,424,415 324,202 curve
96	1318				14.9	90°20'	-7.7	-22.6			TP			
	1100		54°43'+180°	-1.0°	+5.2	89°	-19.2	-14.0	576.4		BS	-651	-887+1	
	1100				+11.6	88°40'	-25.6	-14.0			BS			
97	880		54°43'	-1.0°	3.1	89°	+15.4	+12.3		588.7		+521	+709	1,424,285 324,025
98	660			-1.0°	4.7	89°	+11.5	+6.8		583.2		+391	+532	1,424,155 323,848
99	440			-1.0°	1.3	TH	+2.2	+0.9		577.3		+260	+355	1,424,024 323,671
100	220			-1.0°	2.8	-		-2.8		573.6		+130	+177	1,423,894 323,493 ↑
101	6				5.4	-		-5.4		571.0	X	0	0	1,423,764 323,316 Broad road
101	92		252°55'	-1.0°	4.8	-		-4.8		571.6		-29	-87	1,423,735 323,229 offset 4-Way El. 571
102	220		263°54.5'	-1.0°	7.6	-		-7.6		568.8		-27	-218	1,423,737 323,098 Jacksons Crossroads
103	440			-1.0°	13.0	-		-13.0		563.4		-54	-437	1,423,710 322,879 ↓
104	660		263°54.5'	-1.0°	12.8	OH	-3.3	-16.1		560.3	TP	-81	-655+1	1,423,683 322,662
104	660				10.3	90°30'	-5.8	-16.1			TP			
	211		66°55.4'+180°	-1.0°	+11.6	86°	-7.4	+4.2	564.5		BS	-86	-193+1	sharp curve
	211				+9.2	88°40'	-4.9	+4.3			BS			
105	0				5.4	-		-5.4		559.1	X	0	0	1,423,597 322,470
106	220		213°31'	-1.0°	5.9	-		-5.9		558.6		-186	-118	1,423,411 322,352

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-6-78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 4	PAGE 10
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	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.	
									564.5					
107	432		206°14'	-1.0°	5.6	-		-5.6		558.9	TP	-391	-184+1	1,423,206 322,287
107	432				7.8	TH	+2.2	-5.6			TP			
	441		353°16'-180°	-1.0°	+6.5	-		+6.5	565.4		BS	-437	+59+1	
	441				+4.3	BH	+2.2	+6.5			BS			
108	220		353°16'	-1.0°	7.6	-		-7.6		557.8		+218	-30	1,422,987 322,317
109	0				5.4	-		-5.4		560.0	X	0	0	1,422,769 322,347
110	220		225°55'	-1.0°	0.9	-		-0.9		564.5		-156	-155	1,422,613 322,192
111	440		225°55'	-1.0°	12.9	-		-12.9		552.5	TP	-312	-311+1	1,422,457 322,037
111	440				10.7	BH	-2.2	-12.9			TP			
	440		48°28.6'+180°	-1.0°	+32	89°	-7.7	-4.5	548.0		BS	-297	-324+1	
	440				+0.6	89°20'	-5.1	-4.5			BS			
112	220		48°28.6'	-1.0°	2.0	-		-2.0		546.0		+149	+162	1,422,309 321,876
113	0				5.4	-		-5.4		542.6	X	0	0	1,422,160 321,714
114	213		205°37.5'	-1.0°	9.1	-		-9.1		538.9	TP	-194	-89+1	1,421,966 321,626 curve
114	213				10.2	TH	+1.1	-9.1			TP			
	660		11°55.9'+180°	-1.0°	+12.9	-		+12.9	551.8		BS	-648	-125+1	
	660				+9.7	BH	+3.3	+13.0			BS			
115	440		11°55.9'	-1.0°	14.0	-		-14.0		537.8		+432	+83	1,421,750 321,585
116	220		"	-1.0°	8.1	-		-8.1		543.7		+216	+42	1,421,534 321,544
117	0				5.4	-		-5.4		546.4	X	0	0	1,421,318 321,502 set up opposite station

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-6-78		G. Cotcamp		R. Hulsey		6834		R. J. H.		4		11			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Jacksons Crossroads		Georgia		Wilkes								L.D. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									551.8						
118	220		202°16'	-1.0°	11.8	-		-11.8		540.0		-205	-80	1,421,113	321,422
119	442		202°16'	-1.0°	12.0	91°	-7.7	-19.7		532.1	TP	-412	-160+1	1,420,906	321,343
119	442				14.6	90°40'	-5.1	-19.7			TP				
	880		59°41.6'+180°	-1.0°	+4.9	88°20'	-25.6	-20.7	511.4		BS	-457	-752+1		
	880				+5.9	88°16'	-26.6	-20.7			BS				
120	660		59°41.6'	-1.0°	3.9	89°	+11.5	+7.6		519.0		+343	+564	1,420,792	321,156
121	440			-1.0°	1.7	-		-1.7		509.7		+229	+376	1,420,678	320,968
122	220			-1.0°	4.9	-		-4.9		506.5		+114	+188	1,420,563	320,780
123	0				5.4	-		-5.4		506.0	TP	0	0	1,420,449	320,592 on bridge
124	220		261°11'	-1.0°	2.7	-		-2.7		508.7		-38	-217	1,420,411	320,375
125	430		273°26.4'	-1.0°	1.6	89°30'	+3.8	+2.2		513.6	TP	+18	-430+1	1,420,467	320,163 curve
125	430				0.3	89°40'	+2.5	+2.2			TP				
	440		78°33.9'+180°	-1.0°	+14.0	91°10'	+9.0	+23.0			BS	-95	-430+1		
	440				+11.4	91°30'	+11.5	+22.9	536.5		BS				
126	220		78°33.9'	-1.0°	11.8	91°	-3.8	-15.6		520.9		+47	+215	1,420,419	319,949
127	0				5.4	-		-5.4		531.1	TP	0	0	1,420,372	319,734
128	220		247°46'	-1.0°	3.0	88°	+7.7	+4.7		541.2		-87	-202	1,420,285	319,532
129	440		243°8'	-1.0°	4.0	88°	+15.3	+11.3		547.8	TP	-206	-389	1,420,166	319,345
129	440				1.0	88°24'	+12.3	+11.3			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-6-78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 4	PAGE 12
AREA Georgia	TOPO MAP Jacksons Crossroads Georgia	STATE Georgia	COUNTY Wilkes	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 X TP	COORDINATES		REMARKS
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	
129										547.8				
	660		59° 23' +180°	-1.0°	+8.0	92° -	+23.0	+31.0	578.8		BS	-349	-560	
	660				+14.5	91° 26'	+16.5	+31.0		BS				
130	440		59° 23'	-1.0°	9.1	92° -	-15.3	-24.4	554.4			+233	+373	1,420,050 319,158
131	220		"	-1.0°	12.7	-		-12.7	566.1			+116	+187	1,419,933 318,972
132	0				5.4	-		-5.4	573.4		X	0	0	1,419,817 318,785
133	220		237° -	-1.0°	1.8	-		-1.8	577.0		TP	-123	-182	1,419,694 318,603
133	220				2.9	TH	+1.1	-1.8		TP				
	220		40° 14' +180°	-1.0°	+8.6	-		+8.6	585.6		BS	-170	-139	
	220				+9.7	TH	-1.1	+8.6		BS				
134	0				5.4	-		-5.4	580.2		X	0	0	1,419,524 318,464
135	218		215° 56.5'	-1.0°	5.6	-		-5.6	580.0		TP	-179	-125	1,419,345 318,339 curve
135	218				6.7	TH	+1.1	-5.6		TP				
	880		63° 5' +180°	-1.0°	+2.5	91° 30'	+23.0	+25.5	605.5		BS	-412	-778	
	880				+10.2	91° -	+15.4	+25.6		BS				
136	660		63° 5'	-1.0°	9.0	91° 30'	-17.3	-26.3	579.2			+309	+583	1,419,242 318,144
137	440		"	-1.0°	12.7	91° 30'	-11.5	-24.2	581.3			+206	+389	1,419,139 317,950
138	220		"	-1.0°	13.6	91° 30'	-5.8	-19.4	586.1			+103	+194	1,419,036 317,755
139	0				5.4	-		-5.4	600.1		X	0	0	1,418,933 317,561
140	220		243° 15'	-1.0°	3.3	-		-3.3	602.2			-102	-195	1,418,831 317,366
141	440		"	-1.0°	2.9	-		-2.9	602.6			-205	-389	1,418,728 317,172

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-6-78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 4	PAGE 13
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	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.	
									605.5					
142	660		243°15'	-1.0°	3.3	-		-3.3		602.2		-307	-584	1,418,626 316,977
143	880		242°37.2'	-1.0°	4.0	-		-4.0		601.5	TP	-418	-774	1,418,515 316,787
143	880				8.4	TH	+4.4	-4.0			TP			
	662		65°48' +180°	-1.0°	+2.3	89°30'	-5.8	-3.5	598.0		BS	-282	-599	
	662				+1.2	89°36'	-4.6	-3.4			BS			
144	440		65°48'	-1.0°	0.6	-		-0.6		597.4		+187	+398	1,418,420 316,586
145	220			-1.0°	4.3	-		-4.3		593.7		+94	+199	1,418,327 316,387
145	202		66°38'	-1.0°	4.6	-		-4.6		593.4		+83	+184	1,418,316 316,372 T=rd(n) El. 593
146	0				5.4	-		-5.4		592.6	X	0	0	1,418,233 316,188
147	215		226°28.4'	-1.0°	14.6	91°0'	-4.4	-19.0		579.0	TP	-151	-153	1,418,082 316,035 curve
147	215				14.0	91°20'	-5.0	-19.0			TP			
	440		31°44.2' +180°	-1.0°	+6.6	-		+6.6	585.6		BS	-378	-225	
	440				+8.8	TH	-2.2	+6.6			BS			
148	220		31°44.2'	-1.0°	8.6	-		-8.6		577.0		+189	+112	1,417,893 315,922
149	0				5.4	-		-5.4		580.2	X	0	0	1,417,704 315,810
150	220		213°53'	-1.0°	1.2	-		-1.2		584.4		-185	-119	1,417,519 315,691
150	405		212°20.3'	-1.0°	7.0	88°-	+14.1	+7.1			TP	-346	-211	1,417,358 315,599 T=rd(n) El. 593
150	405				2.4	88°40'	+9.4	+7.0		592.6	TP			
	360		129°48' +180°	-1.0°	+11.4	-		+11.4	604.0		BS	+226	-281	
	360				+13.2	TH	-1.8	+11.4			BS			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-6-78		G. Cotcamp		R. Hulsey		6837		R. J. H.		7		14			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
Georgia		Jacksons Crossroads		Georgia		Wilkes						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
									604.0					Horiz. corr ^{4-6'} x-20'	
151	220		122°46'	-1.0°	8.4	-		-8.4	595.6			-116	+187	1,417,468 315,505	417,570 + 315,427
BM	110		98°22.5'	-1.0°	6.9	-		-6.9	597.1			-14	+109	1,417,570 315,427	BM E1. 597
152	0				5.4	-		-5.4	598.6	X	0	0		1,417,584 315,318	Page 178, Line #1
153	220		287°5'	-0.8°	4.4	-		-4.4	599.6			+62	-211	1,417,646 315,107	
153	273		273°280'41'	-0.8°	6.5	-		-6.5	597.5			+47	-269	1,417,631 315,049	Y-intersect.
154	434		276°57'	-0.8°	6.4	-		-6.4	597.6	TP		+46	-432	1,417,630 314,886	
154	434				4.2	BH	-2.2	-6.4			TP				
	880		86°37' + 180°	-0.8°	11.5	BH	+4.4	+15.9	613.5		BS	-64	-878		
	880				3.4	90°30'	+2.6	+16.0			BS				
155	660		86°37'	-0.8°	10.9	BH	-3.3	-14.2	599.3			+48	+658	1,417,614 314,666	
156	440		'	-0.8°	10.2	-		-10.2	603.3			+32	+439	1,417,598 314,447	
157	220		'	-0.8°	6.5	-		-6.5	607.0			+16	+219	1,417,582 314,227	
158	0				5.4	-		-5.4	608.1	X	0	0		1,417,566 314,008	
158	79		258°47'	-0.8°	5.7	-		-5.7	607.8			-16	-77	1,417,550 313,931	T-rd (north)
159	220		265°39'	-0.8°	7.7	-		-7.7	605.8			-20	-219	1,417,546 313,789	
160	440		'	-0.8°	10.2	-		-10.2	603.3			-39	-438	1,417,527 313,570	
161	660		'	-0.8°	11.6	BH	-3.3	-14.9	598.6			-59	-657	1,417,507 313,351	
162	880		263°22.7	-0.8°	14.0	90°30'	-7.7	-21.7	591.8	TP		-114	-873	1,417,452 313,135	
162	880				11.4	90°40'	-10.2	-21.6			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-7-78	INSTRUMENT MAN G. Catcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 4	PAGE 15
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	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.	
162										591.8				
	880		75° 47.7' + 180°	-0.8°	+4.6	89°	-15.4	-10.8	581.0		BS	-228	-850	
	880				+2.1	89° 10'	-12.8	-10.7		BS				
163	660		75° 47.7'	-0.8°	6.3	89°	+11.5	+5.2		586.2		+171	+637	1,417,395 312,922
164	440		"	-0.8°	0.6	TH	+2.2	+1.6		582.6		+114	+425	1,417,338 312,710
165	220			-0.8°	1.3	-		-1.3		579.7		+57	+212	1,417,281 312,497
166	0				5.4	-		-5.4		575.6	TP	0	0	1,417,224 312,285
167	220		257° 48.1'	-0.8°	10.2	-		-10.2		570.8		-49	-214	1,417,175 312,071
168	440			-0.8°	11.8	BH	-2.2	-14.0		567.0		-99	-429	1,417,125 311,856
169	660			-0.8°	13.4	BH	-3.3	-16.7		564.3		-148	-643	1,417,076 311,642
170	880		257° 48.1'	-0.8°	14.7	90° 24'	-6.1	-20.8			TP	-198	-857	1,417,026 311,428
170	880				13.2	90° 30'	-7.7	-20.9		560.1	TP			
	440		87° 44.4' + 180°	-0.8°	+2.5	89°	-7.7	-5.2	554.9		BS	-23	-439	
	440				+1.2	89° 10'	-6.4	-5.2		BS				
171	220		91° 12'	-0.8°	0.3	-		-0.3		554.6		-2	+220	1,417,001 311,209
172	0				5.4	-		-5.4		549.5	TP	0	0	1,417,063 310,989
173	220		283° 25'	-0.8°	10.6	-		-10.6		544.3		+48	-215	1,417,051 310,774 private trail (south)
174	440			-0.8°	13.9	BH	-2.2	-16.1		538.8		+96	-429	1,417,099 310,560
	563		283° 51'	-0.8°	14.5	90° 30'	-4.9	-19.4		535.5		+127	-548	1,417,130 310,441 trail (south)
175	660		285° 8.1'	-0.8°	14.4	90° 40'	-7.7	-22.1		532.8	TP	+163	-639	1,417,166 310,350
175	660				12.4	90° 50'	-9.6	-22.0			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-7-78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H	LINE NO. 4	PAGE 16
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	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		
175										532.8							
	1100		105°52'+180°	-0.8°	+1.8	-		+1.8	534.6		BS	+286	-1062				Horiz corr. - 0'
	1100				+7.3	TH	-5.5	+1.8			BS						(scaled) 1,417,225+310,300
BM	1030		103°43.5'	-0.8°	4.6	-		-4.6	530.0		BM	-230	+1004	1,417,222	310,292		BM "13 WHO" E.I. "1970" 530
176	880		105°12'	-0.8°	5.8	-		-5.8	528.8			-219	+852	1,417,233	310,140		
177	660		104°26'	-0.8°	8.1	-		-8.1	526.5			-156	+641	1,417,296	309,929		
178	440		'	-0.8°	8.1	-		-8.1	526.5			-104	+428	1,417,348	309,716		
179	220		'	-0.8°	4.3	-		-4.3	530.3			-52	+214	1,417,400	309,502		
180	0				5.4	-		-5.4	529.2		T	0	0	1,417,452	309,288		
181	220		281°45'	-0.6°	13.4	-		-13.4	521.2			+43	-216	1,417,495	309,072		
182	440		'	-0.6°	8.1	92°-	-15.3	-23.4	511.2			+85	-432	1,417,537	308,856		
183	660		'	-0.6°	10.0	92°-	-23.0	-33.0	501.6			+128	-648	1,417,580	308,640		
184	880	879	281°2'	-0.6°	7.1	92°-	-30.7	-37.8	496.8			+159	-864	1,417,611	308,424		
185	1100		280°30'	-0.6°	10.2	91°30'	-28.8	-39.0	495.6			+189	-1084	1,417,641	308,204		
186	1320		280°12'	-0.6°	5.0	91°30'	-34.5	-39.5	495.1			+220	-1302	1,417,672	307,986		
187	1540		280°33'	-0.6°	11.0	91°-	-26.9	-37.9	496.7		T	+253+2	-1519+1	1,417,707	307,770		trail (cont'd)
187	1540				14.6	90°52'	-23.3	-37.9			T						
	440		110°40A'+180°	-0.6°	+14.1	64	+2.2	+16.3	513.0		BS	+151+2	-413+1				
	440				+13.7	90°20'	+2.6	+16.3			BS						
188	220		112°57'	-0.6°	11.5	-		-11.5	501.5			-84	+203	1,417,776	307,561		
189	0				5.4	-		-5.4	507.6		T	0	0	1,417,860	307,358		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-7-78	INSTRUMENT MAN S Co. Camp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H	LINE NO. 4	PAGE 17
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	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.	
									513.0					
190	220		295° 47'	-0.6°	5.0	-		-5.0		508.0		+94	-199	1417,954 307,159
191	440		"	-0.6°	8.8	-		-8.8		504.2		+187	-398	1418,047 306,960
192	660		"	-0.6°	13.6	-		-13.6		499.4		+281	-597	1418,141 306,761
193	880		"	-0.6°	12.8	BH	-4.4	-17.2		495.8		+374	-796	1418,234 306,562
194	1100		"	-0.6°	13.7	BH	-5.5	-19.2		493.8		+468	-995	1418,328 306,363
195	1300		"	-0.6°	13.6	BH	-6.6	-20.2		492.8		+562	-1195	1418,422 306,163
196	1500		295° 9.3'	-0.6°	14.3	BH	-7.5	-21.8		491.2		+623	-1364	1418,483 305,994 trail (north) E1.491
196	1540		295° 23.2'	-0.6°	13.9	BH	-7.7	-21.6		491.4	TP	+646+2	-1398+1	1418,508 305,961
196	1540				14.3	90° 16'	-7.2	-21.5			TP			
	434		90° 5.6' + 180°	-0.6°	+5.1	89°	-7.6	-2.5	488.9		BS	-4+2	-434+1	curve
	434				+1.3	89° 30'	-3.8	-2.5			BS			
197	220		80° 39'	-0.6°	1.5	-		-1.5		487.4		+38	+217	1418,544 305,745
198	0				5.4	-		-5.4		483.5	TP	0	0	1418,506 305,528
199	220		255° 8'	-0.6°	10.3	-		-10.3		478.6		-59	-212	1418,447 305,316
200	440		"	-0.6°	9.0	91°	-7.7	-16.7		472.2		-117	-424	1418,389 305,104
201	560		"	-0.6°	13.1	91°	-11.5	-24.6		464.3		-176	-636	1418,330 304,892
201	680		256° 17'	-0.6°	13.5	91°	-11.9	-25.4		463.5		-168	-659	1418,338 304,869 trail (south)
202	820		257° 31.4'	-0.6°	11.5	91° 30'	-23.0	-34.5		454.4		-199	-857	1418,307 304,671
203	1100	1099	257° 31.4'	-0.6°	9.7	92°	-38.4	-48.1		440.8	TP	-249+2	-1071+1	1418,259 304,458
203	1100				14.2	91° 45'	-33.9	-48.1			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-7-78	INSTRUMENT MAN S. J. H.	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 7	PAGE 18
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	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.	
203										440.8				
	1100		67° 48.7' +180°	-0.6°	+5.2	89°	-19.2	-14.0	426.8		BS	-426+2	-1014+1	
	1100				+2.0	89°0'	-16.0	-14.0			BS			
204	880		66° 32'	-0.6°	3.3	TH	+4.4	+1.1		427.9		+359	+804	1,418,194 304,249
205	660		"	-0.6°	3.4	-		-3.4		423.4		+269	+603	1,418,104 304,048
≡	540		68° 6'	-0.6°	4.1	-		-4.1		422.7		+207	+499	1,418,042 303,944 new bridge (1974)
206	410		66° 32'	-0.6°	4.8	-		-4.8		422.0		+179	+402	1,418,014 303,847
207	220		"	-0.6°	6.2	-		-6.2		420.6		+90	+201	1,417,925 303,646
208	0				5.4	-		-5.4		421.4	X	0	0	1,417,835 303,445
209	220		254° 17'	-0.6°	1.3	89°	+3.8	+2.5		429.3		-62	-211	1,417,773 303,234
≡	312		252° 33'	-0.6°	3.2	88°	+10.9	+7.7		434.5		-97	-297	1,417,738 303,148 trail (north)
210	410		257° 17'	-0.6°	0.6	88°	+15.3	+14.7		441.5		-101	-428	1,417,734 303,017
211	659	658	259° 40'	-0.6°	5.3	87°	+34.4	+29.1		455.9		-125	-646	1,417,710 302,749
212	878	877	261° 7.5'	-0.6°	2.7	87°	+45.9	+43.2		470.0	TP	-144+2	-865+1	1,417,693 302,581 curve
212	878				1.2	87° 06'	+44.4	+43.2			TP			
	880	879	85° 28' +180°	-0.6°	+6.3	93°	+46.0	+52.3	522.4	+52.4	BS	-79+2	-875+1	
	880				+14.1	92° 30'	+38.4	+52.5			BS			
213	660	659	85° 28'	-0.6°	12.5	92° 20'	-26.8	-39.3		483.1		+59	+656	1,417,675 302,363
214	440		"	-0.6°	11.8	92°	-15.3	-27.1		495.3		+39	+438	1,417,655 302,145
215	220		"	-0.6°	11.5	91°	-3.8	-15.3		507.1		+20	+219	1,417,636 301,926
216	0				5.4	-		-5.4		517.0	X	0	0	1,417,616 301,707

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-7-78	INSTRUMENT MAN S. Colcamp	ROD MAN R. Wiley	PARTY NUMBER 6884	NOTES CHECKED BY R. J. H.	LINE NO. 4	PAGE 19
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	TWP	RANGE	PPM
				PARTY MANAGER L. O. Fox		

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.	
									522.4					
217	220		253°25'	-0.6°	1.8	89°	+3.8	+2.0		524.4		-65	-210	1417,551 301,506
218	436		249°28'	-0.6°	3.5	88°30'	+11.4	+7.9		530.3	TP	-192+2	-391+1	1417,426 301,317
218	436				1.0	88°50'	+8.9	+7.9			TP			
	660		46° 9.3' + 180°	-0.6°	+13.7	90°30'	+5.8	+19.5		549.8	BS	-462+1	-471+1	
	660				+11.8	90°40'	+7.7	+19.5			BS			
219	592		47°	-0.6°	7.6	91°	-10.3	-17.9		531.9		+408	+429	1417,373 301,276 Trail (N) E1.550
219	440		46° 9.3'	-0.6°	6.0	91°	-7.7	-13.7		536.1		+308	+314	1417,273 301,161 *rechecked set-ups
220	220		" "	-0.6°	8.7	-	-	-8.7		541.1		+154	+157	1417,119 301,004 from 195-221 12-9-78
221	0				5.4	-	-	-5.4		544.4	X	0	0	1416,965 300,847
222	220		231° 8'	-0.6°	6.2	-	-	-6.2		543.6		-140	-170	1416,825 300,677
223	440		232° 38.3'	-0.6°	9.8	-	-	-9.8		540.0	TP	-271+1	-347+1	1416,695 300,501
223	440				7.6	84	-2.2	-9.8			TP			
	880		61° 49.5' + 180°	-0.6°	+11.7	-	-	+11.7		551.7	BS	-424+1	-771+1	
	880				+7.3	84	+4.4	+11.7			BS			
224	660		61° 49.5'	-0.6°	10.6	-	-	-10.6		541.1		+318	+579	1416,590 300,310
225	440		" "	-0.6°	7.2	-	-	-7.2		544.5		+212	+386	1416,484 300,117
225	275		64° 57'	-0.6°	5.6	-	-	-5.4		546.1		+119	+248	1416,391 299,979 Trail (S)
226	220		61° 49.5'	-0.6°	5.6	-	-	-5.6		546.1		+106	+193	1416,378 299,924
227	0				5.4	-	-	-5.4		546.3	X	0	0	1416,272 299,731
228	220		247° 19'	-0.6°	5.2	-	-	-5.2		546.5		-87	-202	1416,185 299,529

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-9-78	INSTRUMENT MAN G. Cotcamp	ROD MAN A. Hulsey	PARTY NUMBER 6837	NOTES CHECKED BY R. J. H.	LINE NO. 4	PAGE 20
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	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		
									551.7								
229	245		245°	-0.6°	5.1	-		-5.1		546.6		-106	-221	1416,166	299,510	Fwd (south)	
229	440		251°	-0.6°	54	-		-5.4		546.3		-148	-415	1416,124	299,316		
230	657		254°22'	-0.6°	3.1	-		-3.1		548.6	TP	-184+1	-631+1	1416,089	299,101	curve	
230	657				64	TH	+3.3	-3.1			TP						
	660		81°9.2'+180°	-0.6°	+8.0	-		+8.0	556.6		BS	-108+1	-651				
	660				+113	TH	-3.3	+8.0			BS						
231	440		81°9.2'	-0.6°	48	-		-4.8		551.8		+72	+434	1416,054	298,884		
232	220		"	-0.6°	3.4	-		-3.4		553.2		+36	+217	1416,018	298,667		
233	0				54	-		-5.4		551.2	TP	0	0	1415,982	298,450		
234	62		248°1'	-0.6°	6.3	-		-6.3		550.3		-24	-57	1415,958	298,393	Fwd (north)	
234	220		254°21'	-0.6°	8.5	-		-8.5		548.1		-62	-211	1415,920	298,239		
235	440		"	-0.6°	11.2	-		-11.2		545.4		-123	-422	1415,859	298,028		
236	660		252°	-0.6°	8.8	-		-8.8		547.8		-211	-626	1415,771	297,824		
237	980		250°41'	-0.6°	3.3	-		-3.3		553.3		-300	-827	1415,682	297,623		
238	1100		250°16'	-0.6°	4.3	TH	+5.5	+1.2		557.8		-382	-1031	1415,600	297,419		
239	1320		249°34.3'	-0.6°	1.5	TH	+6.6	+5.1		561.7	TP	-474+1	-1232	1415,509	297,218		
239	1320				2.6	89°40'	+7.7	+5.1			TP						
	440		75°35'+180°	-0.6°	+148	OH	+2.2	+17.0	578.7		BS	-114+1	-425				
	440				+144	90°20'	+2.6	+17.0			BS						
240	220		78°18'	-0.6°	11.8	-		-11.8		566.9		+47	+215	1415,443	297,008		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-9-78	INSTRUMENT MAN G. Cotkamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 4	PAGE 21
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	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
									578.7						
241	0				5.4	-		-5.4		573.3	π	0	0	1415,396	296,793
242	220		265°	-0.6°	2.3	-		-2.3		576.4		-21	-219	1415,375	296,574
243	440		268° 12.3'	-0.6°	3.1	-		-3.1		575.6	TP	-18+1	-440	1415,379	296,353
243	440				5.3	TH	+2.2	-3.1			TP				
	660		103° 22.5' + 180°	-0.6°	+11.7	-		+11.7		587.3	BS	+146+1	-644		
	660				+8.4	BH	+3.3	+11.7			BS				
244	440		109° 48'	-0.6°	12.1	-		-12.1		575.2		-108	+427	1415,418	296,136
245	220			-0.6°	8.3	-		-8.3		579.0		-54	+213	1415,472	295,922
246	0				5.4	-		-5.4		581.9	π	0	0	1415,526	295,709
247	220		285° 55'	-0.6°	8.9	-		-8.9		578.4		+58	-212	1415,589	295,497
248	440			-0.6°	7.2	-		-7.2		580.1		+116	-424	1415,642	295,285
249	660			-0.6°	3.1	TH	+3.3	+0.2		582.5		+174	-637	1415,700	295,072
250	880		285° 0.2'	-0.6°	6.8	89°	+15.4	+8.6		595.9	TP	+219+1	-852	1415,746	294,857
250	880				1.7	89° 20'	+10.2	+8.5			TP				
	440		92° 50.5' + 180°	-0.6°	+12.2	-		+12.2		608.1	BS	+17+1	-440		
	440				+14.4	TH	-2.2	+12.2			BS				
251	220		89° 9'	-0.6°	8.1	-		-8.1		600.0		+6	+220	1415,770	294,637
252	0				5.4	-		-5.4		602.7	π	0	0	1415,764	294,417
	128		258° 33'	-0.6°	3.5	-		-3.5		604.6		-27	-125	1415,737	294,292
253	220		261° 2'	-0.6°	2.5	-		-2.5		605.6		-37	-217	1415,727	294,200

Frd (north)
Jacksons Crossroads

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-9-78	INSTRUMENT MAN G Co'camp	ROD MAN R Hulsey	PARTY NUMBER 6831	NOTES CHECKED BY R. J. H.	LINE NO. 4	PAGE 22
AREA Georgia	TOPO MAP Northern Crossroads	STATE Georgia	COUNTY Wilkes	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			
									608.1									horizontl. correc. y = +29 y = +13
254	440		261°32'	-0.6°	4.7	-		-4.7		603.4		-69	-435	1,415,695	293,982			1,415,675 + 293,920 (scaled)
255	505		260°25'	-0.6°	5.5	-		-5.5		602.6		-89	-497	1,415,675	293,920			4-Way Intersection
255	660		261°32'	-0.6°	6.6	-		-6.6		601.5		-104	-652	1,415,660	293,765			
256	880			-0.6°	7.2	-		-7.2		600.9		-139	-869	1,415,625	293,548			
257	1100		260°14'	-0.6°	6.7	-		-6.7		601.4		-198	-1082	1,415,566	293,335			
258	1320		258°57.8'	-0.6°	3.0	-		-3.0		605.1	TP	-266+1	-1293+1	1,415,499	293,125			
258	1320				9.6	TH	+6.6	-3.0			TP							
	659		55°46.9' + 180°	-0.6°	+2.0	-		+2.0		607.1	BS	-376+1	-541+1					curve
	659				5.3	TH	-3.3	+2.0			BS							
259	440		51°37'	-0.6°	1.2	-		-1.2		605.9		+277	+342	1,415,401	292,907			
260	250			-0.6°	3.5	-		-3.5		603.6		+138	+171	1,415,262	292,756			
261					5.4	-		-5.4		601.7	X	0	0	1,415,124	292,585			
262	320		226°44'	-0.6°	8.3	-		-8.3		598.8		-152	-159	1,414,972	292,426			
263	440			-0.6°	12.4	8H	-2.2	-14.6		592.5		-305	-317	1,414,819	292,268			
264	660		225°7'	-0.6°	10.3	91°	-11.5	-21.8		585.3		-471	-463	1,414,653	292,122			
265	580			-0.6°	11.1	91°	-15.4	-26.5		580.6		-627	-617	1,414,497	291,968			
266	1100		224°28'	-0.6°	4.1	91°	-19.2	-23.3		583.8		-793	-762	1,414,331	291,823			
267	1320			-0.6°	10.9	8H	-6.6	-17.5		589.6		-952	-915	1,414,172	291,670			
268	1540			-0.6°	6.8	8H	-7.7	-14.5		592.6		-1110	-1067	1,414,014	291,518			
269	1760			-0.6°	11.4	-		-11.4		595.7		-1269	-1220	1,413,855	291,365			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-9-78		G. Colcamp		R. Hulsey		6834		R. J. H.		4		23				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Fairfax, Georgia		Georgia		Wilkes								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
270	1910		223°53.2'	-0.6°	9.0	-		-9.0	607.1	598.1	TP	-1390+1	-1310	1,413,735	291,275	Trail (north)
	1910				146	89°50'	+5.6	-9.0			TP					
	744		86°40'+180°	-0.6°	+7.9	TH	-3.7	+4.2	602.3		BS	-51+1	-742			
	744				+10.6	89°30'	-6.5	+4.1			BS					
270	660		85°54'	-0.6°	9.3	TH	+3.3	-6.0		596.3		+54	+658	1,413,739	291,191	
271	440			-0.6°	11.5	TH	+2.2	-9.3		593.0		+36	+439	1,413,721	290,972	
272	220			-0.6°	5.5	TH	+1.1	-4.4		597.9		+18	+219	1,413,703	290,752	
273	0				5.4	-		-5.4		596.9	TP	0	0	1,413,685	290,533	
274	220		270°53'	-0.6°	14.0	-		-14.0		588.3		+1	-220	1,413,686	290,313	
275	440			-0.6°	12.1	91°-	-7.7	-19.8		582.5		+2	-440	1,413,687	290,093	
276	660			-0.6°	5.5	92°-	-23.0	-28.5		573.8		+3	-660	1,413,688	289,873	
277	880	879	268°34.4'	-0.6°	3.3	92°-	-30.7	-34.0		568.3		-31	-878	1,413,654	289,655	
278	1100			-0.6°	11.4	91°-	-19.2	-30.6		571.7		-39	-1099	1,413,646	289,434	
279	1320		268°34.4'	-0.6°	5.1	91°-	-23.0	-28.1		574.2	TP	-47+1	-1319	1,413,639	289,214	
279	1320				1.2	91°10'	-26.9	-28.1			TP					
	220		74°22.5'+180°	-0.6°	+11.4	-		+11.4	585.6		BS	-61+1	-211			
	220				+12.5	TH	-1.1	+11.4			BS					
280	0				5.4	-		-5.4		580.2	TP	0	0	1,413,579	289,003	
	80		236°22'	-0.6°	2.2	-		-2.2		583.4		-45	-66	1,413,534	288,937	Trail (north)

SURVEY NOTES-HIGH RESOLUTION DATA

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


Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-10-78		G. Cotcamp		R. Hulsey		6834		R. J. H.		4		24			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Jacksons Crossroads		Georgia		Wilkes								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
									5856						
281	220		237° 59.8'	-0.6°	40	-	-4.0	-4.0	581.6	TP	-119+1	-185	1,413,461	288,818	
281	220				51	TH	+1.1	-4.0		TP					
	880		61° 33' +180°	-0.6°	+6.9	89°-	-15.4	-8.5	573.1	BS	-427+1	-769			
	880				+4.3	89°10'	-12.8	-8.5		BS					
282	660		61° 33'	-0.6°	0.8	-	-0.8	-0.8	572.3		+320	+577	1,413,355	288,626	
283	440			-0.6°	9.8	-	-9.8	-9.8	563.3		+214	+385	1,413,249	288,434	
284	220			-0.6°	10.6	-	-10.6	-10.6	562.5		+107	+192	1,413,142	288,241	
285	0				5.4	-	-5.4	-5.4	567.7	X	0	0	1,413,035	288,049	
286	220		241° 19'	-0.6°	10.2	92°-	-7.7	-17.9	555.2		-108	-192	1,412,927	287,857	
287	440	439	241° 19'	-0.6°	12.4	93°30'	-26.8	-39.2	533.9	TP	-215+1	-383	1,412,821	287,666	
287	440				14.9	93°10'	-24.3	-39.2		TP					
	220	219	79° 36' +180°	-0.6°	+0.1	86°30'	-13.4	-13.3	520.6	BS	-42+1	-215			
	220				+2.0	86°-	-15.3	-13.3		BS					
288	0				5.4	-	-5.4	-5.4	515.2	X	0	0	1,412,780	287,451	
289	220		271° 40.2'	-0.6°	3.7	-	-3.7	-3.7	516.9	TP	+4	-220	1,412,784	287,231	
289	220				4.8	TH	+1.1	-3.7		TP					
	440		64° 40.7' +180°	-0.6°	+2.0	89°-	-7.7	-5.7	511.2	BS	-192	-396			
	440				+0.7	89°10'	-6.4	-5.7		BS					
290	220		60° 43'	-0.6°	2.2	89°-	+3.8	+1.6	512.8		+110	+191	1,412,702	287,026	
291	0				5.4	-	-5.4	-5.4	505.8	X	0	0	1,412,592	286,835	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
12-10-78		S. Cotcamp		R. Hulsey		6834		R. J. H.		4	25					
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER				
Georgia		Jacksons Crossroads		Georgia		Wilkes						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
									5112							
292	220		239° 14.7'	-0.6°	13.2	-		-13.2		498.0		-114	-188	1,412,478	286,647	
293	440		"	-0.6°	11.2	92°	-15.3	-26.5		484.7		-229	-376	1,412,363	286,959	
	570		238° 51'	-0.6°	9.2	92°	-19.9	-29.1		482.1		-300	-485	1,412,292	286,350	bridge
294	660		239° 14.7'	-0.6°	4.1	92°	-23.0	-27.1			TP	-343	-564	1,412,299	286,271	
294	660				11.8	91° 20'	-15.4	-27.2		484.0	TP					
	440	439	51° 14.2' + 180°	-0.6°	112.0	93°	+23.0	+35.0	519.0		BS	-278	-339			
	440				146	92° 40'	+20.4	+35.0			BS					
295	220		51° 14.2'	-0.6°	13.2	93° 30'	-13.4	-26.6		492.4		+140	+170	1,412,111	286,102	
296	0				54	-		-5.4		513.6	TP	0	0	1,411,971	285,932	Horiz. corr. $y-10'$ $x-2'$
297	220	219	228° 7.5'	-0.6°	4.7	86°	+15.3	+10.6		529.6		-148	-162	1,411,823	285,770	1,411,745 + 285,685
	336	335	228° 7.5'	-0.6°	6.0	85° 30'	+26.3	+20.3			TP	-226	-247	1,411,745	285,685	Y-intersect E1.539 (scaled)
	336				51	85° 40'	+25.3	+20.2		539.2	TP					
	376		130° 52.6' + 180°	-0.6°	7.8			+7.8	547.0		BS	+243	-287			
	376				9.7	TH	-1.9	+7.8			BS					
298	220		130° 52.6'	-0.6°	6.1	-		-6.1		540.9		-142	+168	1,411,846	285,566	↑
299	0				54	-		-5.4		541.6	TP	0	0	1,411,988	285,398	Jacksons Crossroads
300	220		296° 10'	-0.6°	1.5	-		-1.5		545.5		+95	-198	1,412,083	285,200	Vesta Quad
301	440		293° 4'	-0.6°	3.8	-		-3.8		543.2		+168	-407	1,412,156	284,991	↓
302	660		290° 34.3'	-0.9°	4.3	-		-4.3		542.7	TP	+228	-619+2	1,412,216	284,781	
302	660				7.6	TH	+3.3	-4.3			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-10-78		S. Colcamp		L. J. [unclear]		6934		R. J. H.		4		26				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Vesta 7.5'		Georgia		Wilkes								L. D. [unclear]		
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
302										542.7						
	880		95° 51' 2" +180°	-0.4°	+30	88° 50'	-17.9	-14.9	527.8		BS	+84	-876.2			
	880				+5.6	88° 40'	-20.5	-14.9			BS					
303	660		95° 51' 2"	-0.4°	2.7	89° -	+11.5	+8.8		536.6		-63	+657	1,412,237	284,564	
304	440		"	-0.4°	0.8	-		-0.8		527.0		-42	+438	1,412,258	284,345	
305	220		"	-0.4°	3.2	-		-3.2		524.6		-21	+219	1,412,279	284,126	
306	0				5.4	-		-5.4		522.4	TP	0	0	1,412,300	283,907	
307	220		265° 36'	-0.4°	9.8	-		-9.8		518.0		-18	-219	1,412,282	283,688	
308	440		"	-0.4°	11.3	-		-11.3		516.5		-37	-438	1,412,263	283,469	
309	660		265° 36'	-0.4°	7.6	90° 30'	-5.8	-13.4		514.4	TP	-55	-657.2	1,412,245	283,252	
309	660				10.1	BH	-3.3	-13.4			TP					
	660		87° 27' 3" +180°	-0.4°	+3.5	87° 50'	-24.9	-21.4	493.0		BS	-34	-659.2			
	660				+2.7	87° 54'	-24.2	-21.5			BS					
310	440		87° 27' 3"	-0.4°	4.6	88° -	+15.3	+10.7		503.7		+23	+439	1,412,234	283,034	
311	220		"	-0.4°	10	TH	+1.1	+0.1		493.1		+11	+220	1,412,222	282,815	
312	0				5.4	-		-5.4		487.6	TP	0	0	1,412,211	282,595	Sta. 312 is 25' west of
313	220		246° 23'	-0.4°	9.9	-		-9.9		483.1		-90	-201	1,412,121	282,394	trail (north)
314	440		"	-0.4°	8.9	91° -	-7.7	-16.6		476.4		-179	-402	1,412,032	282,193	
315	660		243° 17' 7"	-0.4°	10.7	92° -	-23.0	-33.7		459.3	TP	-301	-587.2	1,411,910	282,010	
315	660				14.6	91° 40'	-19.2	-33.8			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 12-10-78	INSTRUMENT MAN G. Co. camp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 4	PAGE 27
AREA Georgia	TOPO MAP Vesta	STATE Georgia	COUNTY Wilkes	TWP	RANGE	PPM
PARTY MANAGER L. D. 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.	
315										459.3				
	222		72° 36.7' + 180°	-0.4°	+2.7	87°	-11.6	-8.9	450.4		BS	-68	-211+2	
	222				+0.8	87° 30'	-9.7	-8.9			BS			
316	6				54	-		-5.4		445.0	X	0	0	1,411,842 281,801
317	220		264° 32.2'	-0.4°	13.1	84	-1.1	-14.2		436.2		-22	-219	1,411,820 281,582
318	440		264° 32.2'	-0.4°	11.4	91°	-7.7	-19.1		431.3	TP	-45	-437+2	1,411,797 281,366
318	440				13.9	90° 40'	-5.1	-19.0			TP			
	660		76° 16' + 180°	-0.4°	+5.9	-		+5.9	437.2		BS	-161	-640+2	
	660				+9.2	TH	-3.3	+5.9			BS			
319	440		76° 16'	-0.4°	8.8	-		-8.8		428.4		+107	+427	1,411,743 281,155
	232		76° 38'	-0.4°	8.8	-		-8.8		428.4		+55	+225	1,411,691 280,953
320	220		76° 16'	-0.4°	8.8	-		-8.8		428.4		+54	+213	1,411,690 280,941 bridge E1. 428
321	0				54	-		-5.4		431.8	X	0	0	1,411,636 280,728
322	220		263° 1.2'	-0.4°	4.3	88°	+7.7	+3.4		440.6		-28	-218	1,411,608 280,510
323	440	439	263° 1.2'	-0.4°	4.8	87°	+23.0	+18.2		455.4	TP	-56	-435+2	1,411,580 280,295
323	440				0.9	87° 30'	+19.2	+18.3			TP			
	222		103° 57' + 180°	-0.4°	+12.8	93°	+11.6	+24.4	479.8		BS	+52	-216+2	
	222				+14.8	92° 30'	+9.7	+24.5			BS			
324	0				54	-		-5.4		474.4	X	0	0	1,411,632 280,081
325	220		295° 40'	-0.4°	2.9	87°	+11.5	+8.6		488.4		+94	-199	1,411,726 279,882

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.




DATE 12/11/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 4	PAGE 28
AREA Georgia	TOPO MAP Vesta	STATE Georgia	COUNTY Wilkes	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
									479.8						
326	440	439	296° 22'	-0.4°	2.5	86° 40'	+25.5	+23.0	}	502.8	TP	+192	-395+2	1,411,824 279,688	
326	440				1.2	86° 50'	+24.3	+23.1		TP					
	440		98° 15.8' +180°	-0.4°	+14.8	-		+14.8	}	517.6	BS	+60	-436+2		
	440				+12.6	84	+2.2	+14.8		BS					
326	365		97° 25'	-0.4°	12.2	-		-12.2		505.4		-45	+362	1,411,839 279,666 Trail (north)	
327	220		92° 57'	-0.4°	8.2	-		-8.2		509.4		-10	+220	1,411,874 279,474	
328	0				5.4	-		-5.4		512.2	π	0	0	1,411,884 279,254	
329	220		267° 29.5'	-0.4°	1.2	74	+1.1	-0.1		517.5		-11	-220	1,411,873 279,034	
330	440		267° 29.5'	-0.4°	6.3	89°	+7.7	+1.4	}	+1.5	519.1	TP	-22	-439	1,411,862 278,815
330	440				4.3	89° 14'	+5.9	+1.6			TP				
	1540	1539	92° 44.6' +180°	-0.4°	+4.9	88°	-53.7	-48.8	}	470.3	BS	+63	-1538		
	1540				+7.7	87° 54'	-56.4	-48.7			BS				
331	1320	1319	92° 44.6'	-0.4°	4.6	88°	+46.0	+41.4		511.7		-54	+1318	1,411,871 278,595	
	1252	1251	93° 18'	-0.4°	5.1	88°	+43.7	+38.6		508.9		-63	+1249	1,411,862 278,526 Y-intersect E.L. 509	
332	1100	1099	92° 44.6'	-0.4°	6.6	88°	+38.4	+31.8		502.1		-45	+1098	1,411,880 278,375	
333	880	879	'	-0.4°	4.0	88°	+30.7	+26.7		497.0		-36	+878	1,411,889 278,155	
334	660		'	-0.4°	6.9	88°	+23.0	+16.1		486.4		-27	+659	1,411,898 277,936	
335	440		'	-0.4°	4.2	89°	+7.7	+3.5		473.8		-18	+440	1,411,907 277,717	
336	220		"	-0.4°	2.2	-		-2.2		468.1		-9	+220	1,411,916 277,497	
337	0				5.4	-		-5.4		464.9	π	0	0	1,411,925 277,277	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
12-11-78		G. Cotcamp		R. Hulsey		6834		K.J.H.		4	29			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
Georgia		Vesta		Georgia		Wilkes/Oglethorpe						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.	
									470.3					
338	220		271° 2.9'	-0.4°	14.9	-		-14.9		455.4	TP	+2	-220	1,411,927 277,057
338	220				13.8	BH	-1.1	-14.9			TP			
	222	221	106° 52.9' + 180°	-0.4°	+5.4	86°	-15.4	-10.0		445.4	BS	+6.3	-212	
	222				+6.3	85° 46'	-16.3	-10.0			BS			
339	0				5.4	-		-5.4		440.0	TP	0	0	1,411,990 276,845
340	220		292° 2.3'	-0.4°	9.3	93°	-11.5	-20.8			TP	+81	-20.4	1,412,071 276,641
340	220				13.2	92°	-7.7	-20.9		424.5	TP			
	878		127° 51.6' + 180°	-0.4°	+0.0	-		+0.0		424.5	BS	+53.4	-69.7	
	878				+4.4	TH	-4.4	+0.0			BS			
341	660		127° 51.6'	-0.4°	4.6	-		-4.6		419.9		-40.1	+52.4	1,412,204 276,468
342	440		"	-0.4°	6.9	-		-6.9		417.6		-26.8	+34.9	1,412,337 276,293 ↑
343	220		"	-0.4°	8.3	-		-8.3		416.2		-13.4	+17.5	1,412,471 276,119 Wilkes Co.
	130		126° 57'	-0.4°	7.8	-		-7.8		416.7		-7.7	+10.4	1,412,528 276,048 bridge
	28		114° 57'	-0.4°	6.3	-		-6.3		418.2		-1.2	+2.5	1,412,593 275,969 Trail (north) E1.418
344	0				5.4	-		-5.4		419.1	TP	0	0	1,412,605 275,944 Oglethorpe Co.
345	220		260° 2.2'	-0.4°	1.6	89°	+3.8	+2.2		426.7		-4.0	-21.6	1,412,565 275,728 ↓
	425		259° 23.5'	-0.4°	8.0	89°	+7.4	-0.6		423.9		-8.1	-4.7	1,412,524 275,527 Trail (NW)
346	440		260° 2.2'	-0.4°	8.5	89°	+7.7	-0.8		423.7		-7.9	-43.3	1,412,526 275,511
347	660		260° 2.2'	-0.4°	12.8	89°	+11.5	-1.3			TP	-11.9	-6.9	1,412,486 275,295
347	660				14.8	88° 50'	+13.4	-1.4		423.1	TP			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
12-11-78		G. Catcamp		R. Hulsey		6834		R. J. H.		4	30			
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
Georgia		Vesta	Georgia	Oglethorpe					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.	
347										423.1				
	213		61° 51.2' +180°	-0.4°	+9.3	-		+9.3	432.4		BS	-102	-187	curve
	213				+8.2	BH	+1.1	+9.3			BS			
348	0				5.4	-		-5.4	427.0		T	0	0	1,412,384 275,108
349	220		219° 49.8'	-0.4°	1.2	88°-	+7.7	+6.5	438.9		TP	-170	-140	1,412,214 274,968
349	220				0.5	88°10'	+7.0	+6.5			TP			
	222		56° 56.4' +180°	-0.4°	+7.4	-		+7.4	446.3		BS	-122	-185	
	222				+8.5	TH	-1.1	+7.4			BS			
350	0				5.4	-		-5.4	440.9		T	0	0	1,412,092 274,783
351	217		243° 5.7'	-0.4°	5.6	-		-5.6	440.7		TP	-99	-193	1,411,993 274,590 curve
351	217				6.7	TH	+1.1	-5.6			TP			
	220		82° 21.3' +180°	-0.4°	+10.7	87°40'	-8.9	+1.8			BS	-31	-218	
	220				+11.3	87°30'	-9.6	+1.7	442.4		BS			
352	0				5.4	-		-5.4	437.0		T	0	0	1,411,962 274,372
	118		288° 22'	-0.4°	8.8	-		-8.8	433.6			+36	-112	1,411,998 274,260 tra. 1 (south) E1. 433
353	220		294° 54'	-0.4°	10.0	-		-10.0	432.4			+91	-200	1,412,053 274,172
354	440		294° 54'	-0.4°	14.0	-		-14.0	428.4		TP	+182	-400	1,412,144 273,972
354	440		0		11.8	BH	-2.2	-14.0			TP			
	216		95° 2.1' +180°	-0.4°	+3.8	-		+3.8	432.2		BS	+17	-215	curve
	216				+2.7	BH	+1.1	+3.8			BS			
355	0				5.4	-		-5.4	426.8		T	0	0	1,412,161 273,757

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
12-11-78		G. Cotcamp		R. Hulsey		6834		R. J. H.		4		31		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Vesta		Georgia		Oglethorpe						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.	
									432.2					
356	220		257°47.6'	-0.4°	2.7	-		-2.7		429.5		-48	-215	1,412,113 273,542
357	440		"	-0.4°	9.4	88°	+15.3	+5.9		438.1		-96	-429	1,412,065 273,328
358	660		"	-0.4°	7.7	88°	+23.0	+15.3		447.5		-144	-644	1,412,017 273,113
359	880	879	"	-0.4°	6.1	88°	+30.7	+24.6		456.8		-192	-858	1,411,969 272,899
360	1100	1099	"	-0.4°	4.8	88°	+38.4	+33.6		465.8		-240	-1073	1,411,921 272,684
361	1320	1319	257°47.6'	-0.4°	7.7	88°	+46.0	+38.3		470.5	TP	-288	-1287	1,411,873 272,470
361	1320		"	-0.4°	5.3	88°6'	+43.7	+38.4			TP			
	219		66°53.3'+180°	-0.4°	+8.9	-		+8.9	479.4		BS	-87	-201	curve
	219		"		+10.0	7H	-1.1	+8.9			BS			
362	0		"		5.4	-		-5.4		474.0	π	0	0	1,411,786 272,269
363	220		229°46'	-0.4°	7.8	-		-7.8		471.6		-143	-167	1,411,643 272,102
363	245		228°40'	-0.4°	7.5	-		-7.5		471.9		-163	-183	1,411,623 272,086 y-intersect
364	440		229°46'	-0.4°	5.3	-		-5.3		474.1		-287	-334	1,411,499 271,935
365	660		"	-0.4°	10.9	-		-10.9		468.5		-430	-501	1,411,356 271,768
366	880		"	-0.4°	11.8	90°30'	-7.7	-19.5		459.9		-573	-668	1,411,213 271,601
367	1100		"	-0.4°	8.0	90°30'	-9.6	-17.6		461.8		-716	-835	1,411,070 271,434
367	1270		229°25'	-0.4°	11.1	-		-11.1		468.3		-833	-959	1,410,953 271,310 T-rd El. 467
368	1320		229°46'	-0.4°	11.5	-		-11.5		467.9		-860	-1002	1,410,926 271,267
369	1540		"	-0.4°	11.7	-		-11.7		467.7		-1003	-1169	1,410,783 271,100
370	1760		"	-0.4°	8.0	-		-8.0		471.4		-1146	-1336	1,410,640 270,933

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
12-11-78		G. Cotcamp		R. Hulsey		6834		R. J. H.		4	32						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Georgia		Rayle/Vesta		Georgia	Oglethorpe					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		
									479.4								↑
371	1980		229° 21.3'	-0.4°	3.4	-		-3.4		476.0	TP	-1300	-1493	1,410,486	270,776	Vesta Quad.	
371	1980				13.3	TH	+9.9	-3.4			TP					Rayle Quad.	
	660		43° 5' +180°	-0.4°	+6.9	89°-	-11.5	-4.6	471.4		BS	-485	-447				↓
	660				+1.2	89°30'	-5.8	-4.6			BS						
372	440		43° 5'	-0.4°	1.8	-		-1.8		469.6		+323	+298	1,410,324	270,627		
373	220		" "	-0.4°	5.6	-		-5.6		465.8		+162	+149	1,410,163	270,478		
374	0				5.4	-		-5.4		466.0	X	0	0	1,410,001	270,329	trail (south)	
375	220		202° 4.5'	-0.4°	3.1	-		-3.1		468.3		-204	-81	1,409,797	270,248		
376	440		" "	-0.4°	0.3	-		-0.3		471.1		-409	-163	1,409,592	270,166		
377	540		202° 20.5'	-0.4°	1.4	TH	+2.7	+1.3		472.7		-501	-202	1,409,500	270,127	4-intersection	
377	660		202° 4.5'	-0.4°	8.2	89°-	+11.5	+3.3		474.7		-613	-244	1,409,388	270,085		
378	880		202° 4.5'	-0.4°	6.0	89°-	+15.4	+9.4		480.8	TP	-818	-325	1,409,183	270,004		
378	880				1.9	89° 16'	+11.3	+9.4			TP						
	1100		20° 48' +180°	-0.4°	+2.3	-		+2.3	483.1		BS	-1031	-383				
	1100				+7.8	TH	-5.5	+2.3			BS						
379	880		20° 48'	-0.4°	6.1	-		-6.1		477.0		+825	+307	1,408,977	269,928		
380	660		" "	-0.4°	7.0	-		-7.0		476.1		+619	+230	1,408,771	269,851		
381	440		" "	-0.4°	3.0	-		-3.0		480.1		+412	+153	1,408,564	269,774		
382	220		" "	-0.4°	7.3	-		-7.3		475.8		+206	+77	1,408,358	269,698		
383	0				5.4	-		-5.4		477.7	X	0	0	1,408,152	269,621		

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-11-78		G. Cotcamp		R. Hulsey		6834		R.J.H.		4		33				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Rayle		Georgia		Oglethorpe								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
									483.1							
384	211		212° 11.8'	-0.9°	3.9	-		-3.9		479.2	TP	-179	-111	1,407,973	269,510	sharp curve
384	211				4.9	TH	+1.1	-3.8			TP					
	440		92° 8.5' +180°	-0.4°	+14.6	90° 30'	+3.8	+18.4	497.6		BS	+13	-440			
	440				+13.4	90° 40'	+5.1	+18.5			BS					note: correct y = 0 x = +24' 1,407,970 + 269,300 (scaled)
<u>384</u>	230		93° 33'	-0.4°	12.9	-		-12.9		484.7		-13	+230	1,407,973	269,300	Trail (south) El. 484
385	220		92° 8.5'	-0.4°	13.0	-		-13.0		484.6		-7	+220	1,407,979	269,290	
386	0				5.4	-		-5.4		492.2	π	0	0	1,407,986	269,070	
387	220		264° 34.3'	0.0°	3.8	-		-3.8		493.8		-21	-219	1,407,965	268,851	
<u>387</u>	270		264° 1'	0.0°	4.4	-		-4.4		493.2		-28	-269	1,407,958	268,801	Trail (north)
388	440		264° 34.3'	0.0°	4.2	-		-4.2		493.4		-42	-438	1,407,944	268,632	
389	660		264° 34.3'	0.0°	5.8	-		-5.8		491.8	TP	-62	-657-1	1,407,924	268,412	
389	660				9.1	TH	+3.3	-5.8			TP					
	440		94° 50.4' +180°	0.0°	+8.0	-		+8.0	499.8		BS	+37	-438-1			
	440				+10.2	TH	-2.2	+8.0			BS					
390	220		94° 50.4'	0.0°	9.3	-		-9.3		490.5		-19	+219	1,407,942	268,192	
391	0				5.4	-		-5.4		494.4	π	0	0	1,407,961	267,973	
392	220		277° 7'	0.0°	10.6	-		-10.6		489.2		+27	-218	1,407,988	267,755	
393	440			0.0°	8.3	-		-8.3		491.5		+55	-437	1,408,016	267,536	
394	660			0.0°	8.7	-		-8.7		491.1		+82	-655	1,408,043	267,318	
395	880		276° 13'	0.0°	6.8	-		-6.8		493.0		+95	-875	1,408,056	267,098	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-12-78		G. Cotcamp		R. Hulsey		6834		R. J. H.		4		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Rayle		Georgia		Oglethorpe								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
									484.6						
408	440		247° 31'	0.0°	7.1	87°30'	+19.2	+12.1	}	496.7	TP	-171+1	-405	1,407,741	264,299
408	440				4.6	87°30'	+16.6	+12.0		TP					
	660		79° 14.5' +180°	0.0°	+16.7	TH	-3.3	+7.4	}	504.1	BS	-123+1	-648		
	660				10.1	89°46'	-2.7	+7.4		BS					
409	440		79° 14.5'	0.0°	2.7	-	-2.7			501.4		+82	+432	1,407,701	264,083
410	220			0.0°	1.8	-	-1.8			502.3		+41	+216	1,407,660	263,867
411	0				5.4	-	-5.4			498.7	X	0	0	1,407,619	263,651
411	129		259° 33'	0.0°	8.2	-	-8.2			495.9		-23	-127	1,407,596	263,524
412	220		260° 43'	0.0°	8.5	-	-8.5			495.6		-35	-217	1,407,584	263,434
413	440			0.0°	6.8	-	-6.8			497.3		-70	-434	1,407,549	263,217
414	660			0.0°	4.7	-	-4.7			499.4		-106	-651	1,407,513	263,000
415	880			0.0°	6.2	-	-6.2			497.9		-142	-868	1,407,477	262,783
416	1100			0.0°	7.2	-	-7.2			496.9		-177	-1086	1,407,442	262,565
417	1320			0.0°	4.0	TH	+6.6	+2.6		506.7		-213	-1303	1,407,406	262,348
418	1540		259° 44'	0.0°	5.9	89°30'	+13.4	+7.5	}	+7.6	TP	-274	-1515	1,407,345	262,136
418	1540				10.2	89°20'	+17.9	+7.7		TP					
	1100		64°54' +180°	0.0°	+9.6	89°	-19.2	-9.6	}	502.1	BS	-467	-996		
	1100				+6.4	89°16'	-16.0	-9.6		BS					
419	880		62°38'	0.0°	1.1	TH	+4.4	+3.3		505.4		+400	+784	1,407,278	261,924
420	660			0.0°	3.5	-	-3.5			498.6		+300	+588	1,407,178	261,728

(scaled)
1,407,615 + 263,500
Trail (north) EL. 495

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-12-78		G. Cotcamp		R. Hulsey		6834		R. J. H.		4		36			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Rayle		Georgia		Oglethorpe								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
									502.1						
421	440		62°58'	0.0°	11.9	-		-11.9		490.2		+200	+392	1,407,078	261,532
422	220		" "	0.0°	11.3	-		-11.3		490.8		+100	+196	1,406,978	261,336
423	0				5.4	-		-5.4		496.7	π	0	0	1,406,878	261,140
424	220		241°58'	0.0°	0.4	TH	+1.1	+0.7		502.8		-103	-194	1,406,775	260,946
425	440		" "	0.0°	7.2	88°-	+15.3	+8.1		510.2		-267	-388	1,406,671	260,752
426	660		" "	0.0°	4.1	-		-4.1		498.0		-310	-583	1,406,568	260,557
427	880	879	241°58'	0.0°	0.2	88°-	+30.7	+30.5		532.6	TP	-413	-776	1,406,465	260,364
427	880				2.8	87°50'	+33.2	+30.4			TP				
	1320		61°11.6'+180°	0.0°	+6.9	TH	+6.6	+0.3	532.9		BS	-636	-1157		
	1320				+3.5	89°52'	-3.1	+0.4			BS				
428	1100		61°11.6'	0.0°	3.3	-		-3.3		529.6		+530	+964	1,406,359	260,171
429	880		" "	0.0°	0.8	-		-0.8		532.1		+424	+771	1,406,253	259,978
429	860		61°31.5'	0.0°	0.9	-		-0.9		532.0		+410	+756	1,406,239	259,963
430	660		61°11.6'	0.0°	6.9	-		-6.9		526.0		+318	+578	1,406,147	259,785
431	440		" "	0.0°	7.5	-		-7.5		525.4		+212	+386	1,406,041	259,593
432	220		" "	0.0°	11.3	-		-11.3		521.6		+106	+193	1,405,935	259,400
433	0				5.4	-		-5.4		527.5	π	0	0	1,405,829	259,207
434	221		244°51.3'	0.0°	8.6	-		-8.6		524.3	TP	-94	-200	1,405,735	259,007
434	221				9.7	TH	+1.1	-8.6			TP				

Trail (north) E1.532

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-12-78		G. Cotcamp		R. Hulsey		6834		R. J. L.		4	37				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER			
Georgia		Rayle		Georgia		Oglethorpe						L. O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH+ SOUTH-	EAST+ WEST-		Y
												LAT.	DEP.		
434										524.3					
	218		116°31.3'+180°	0.0°	+5.7	89°	-3.8	+1.9	526.2		BS	+97	-195		curve
	218				+4.4	89°20'	-2.5	+1.9		BS					
435	0				5.4	-		-5.4		520.8	π	0	0	1,405,832	258,812
436	220		307°19.9'	0.0°	12.8	-		-12.8		513.4	TP	+133	-175	1,405,965	258,637
436	220				13.9	TH	+1.1	-12.8			TP				
	220		108°40.5'+180°	0.0°	+0.5	-		+0.5	513.9		BS	+70	-208		
	220				+1.6	TH	-1.1	+0.5		BS					
437	0				5.4	-		-5.4		508.5	π	0	0	1,406,035	258,429
438	220		261°36'	0.0°	10.0	-		-10.0		503.9		-32	-218	1,406,003	258,211
439	433		251°36'	0.0°	12.9	-		-12.9		501.0	TP	-137	-411	1,405,898	258,018
439	433				10.7	BH	-2.2	-12.9			TP				curve
	440		56°17.6'+180°	0.0°	+9.9	-		+9.9	510.9		BS	-244	-366		
	440				+12.1	TH	-2.2	+9.9		BS					
440	220		56°17.6'	0.0°	13.7	BH	-1.1	-14.8		496.1		+122	+183	1,405,776	257,835
441	0				5.4	-		-5.4		505.5	π	0	0	1,405,654	257,652
442	220		217°18.1'	0.0°	2.7	-		-2.7		508.2		-175	-133	1,405,479	257,519
443	440			0.0°	3.2	-		-3.2		507.7		-350	-267	1,405,304	257,385
444	660			0.0°	2.4	-		-2.4		508.5		-525	-400	1,405,129	257,252
445	880		217°18.1'	0.0°	2.0	-		-2.0	508.9		TP	-700	-533	1,404,954	257,119
445	880				6.4	TH	+4.4	-2.0		TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
12-12-78		G. Cotcamp		R. Hulsey		6834		R. J. H.		4	38			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
Georgia		Rayle		Georgia		Oglethorpe						L. D. 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.	
445										508.9				
	660		55°33.9' +180°	0.0°	+150	90°20'	+3.8	+18.8	527.7		BS	-373	-544	
	660				+131	90°36'	+5.8	+18.9		BS				
446	440		55°33.9'	0.0°	9.8	91°	-7.7	-17.5		510.2		+249	+363	1,404,830 256,938
447	220		"	0.0°	10.8	-		-10.8		516.9		+124	+181	1,404,765 256,756
448	0				54	-		-5.4		522.3	π	0	0	1,404,581 256,575
≡	108		232°5'	0.0°	3.4			-3.4		524.3		-66	-85	1,404,515 256,490
≡	108				3.9	TH	+0.5	-3.4						4-way El. 525 1,404,515 + 256,490 (scaled)

Horiz. corr. y-5', x-3'
E.O.L.
4-way El. 525
1,404,515 + 256,490
(scaled)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
12-17-78		G. Cotcamp		R. Hulsey		6834		R. J. H.		4	39					
AREA		TOPO MAP		STATE		COUNTY		RANGE		PARTY MANAGER						
Georgia		Rayle		Georgia		Oglethorpe				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
+	108									524.3					note-disregard	
	996		74° 1.2' +180°	-0.4°	+11.7	89°30'	-8.7	+3.0	527.3		BS	-281-2	-956		E.O.L. on Sta. 448-	
	996				+8.8	89°40'	-5.8	+3.0			BS				line was extended	
449	880		74°59'	-0.4°	2.0	-		-2.0		525.3		+234	+848	1,404,466	256,382	12-16-78.
450	660			-0.4°	1.6	-		-1.6		525.7		+175	+636	1,404,407	256,170	
451	440			-0.4°	3.1	-		-3.1		524.2		+117	+424	1,404,349	255,958	
452	220			-0.4°	3.6	-		-3.0		524.3		+58	+212	1,404,290	255,746	
453	0				5.9	-		-5.4		521.9	X	0	0	1,404,232	255,534	
454	220		255° 49'	-0.4°	8.6	-		-8.6		518.7		-55	-213	1,404,177	255,321	
455	440			-0.4°	10.7	-		-10.7		516.6		-111	-426	1,404,121	255,108	
456	660			-0.4°	13.4	-		-13.4		513.9		-166	-639	1,404,066	254,895	
457	880		257° 1.9'	-0.4°	13.4	-		-13.4		513.9	TP	-203-1	-856	1,404,028	254,678	
457	880				9.0	BH	-4.4	-13.4			TP					
	440		84°57' +180°	-0.4°	+4.6	88°-	-15.3	-10.7	503.2		BS	-42-1	-438			
	440				+3.3	88°10'	-14.1	-10.8			BS					
458	220		84°57'	-0.4°	4.0	88°-	+7.7	+3.7		506.9		+21	+219	1,404,006	254,459	
459	0				5.4	-		-5.4		497.8	X	0	0	1,403,985	254,290	
	43		258°20'	-0.4°	6.1	-		-6.1		497.1		-9	-42	1,403,976	254,198	X-intersect. E.L. 498
460	213		310° 19.4'	-0.4°	5.7	-		-5.7		497.5		+137	-163	1,404,122	254,077	Line runs NW.
461	433			-0.4°	9.0	-		-9.0		494.2	TP	+278-1	-332	1,404,262	253,908	
461	433		310° 19.4'		11.2	TH	+2.2	-9.0			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
12-17-78		S. Co + camp		R. Hulsey		6834		R. J. H.		4	40			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Rayle		Georgia		Oglethorpe						L. O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
461										494.2				
	1760		118°50.2' +180°	-0.4°	+2.6	89°30'	-15.4	-12.8			BS	+838-1	-1548	
	1760				+5.3 +6.0 vac	89°24'	-18.4	-12.7	481.5		BS			
462	1540		118°41'	-0.4°	6.0	89°30'	+13.4	+7.4		488.9		-730	+1356	1,404,369 253,716
463	1320		"	-0.4°	8.0	89°30'	+11.5	+3.5		485.0		-625	+1162	1,404,474 253,522
464	1100		"	-0.4°	4.4	TH	+5.5	+1.1		482.6		-521	+969	1,404,578 253,329
465	880		"	-0.4°	4.6	-		-4.6		476.9		-417	+775	1,404,682 253,135
466	660		119°45'	-0.4°	12.2	-		-12.2		469.3		-323	+575	1,404,776 252,935
467	493		121°29.6'	-0.4°	13.2	8H	-2.5	-15.7		465.8		-255	+422	1,404,844 252,782 bridge
467	440		121°10'	-0.4°	13.7	8H	-2.2	-15.9		465.6		-225	+378	1,404,874 252,738
468	220		"	-0.4°	13.7	-		-13.7		467.8		-113	+189	1,404,986 252,549
469	0				5.4	-		-5.4		476.1	TP	0	0	1,405,099 252,360
470	220		311°43'	-0.4°	4.1	88°	+7.7	+3.6		485.1		+145	-165	1,405,244 252,195
471	440		316°4'	-0.4°	9.0	88°	+15.3	+6.3		487.8		+315	-307	1,405,414 252,053
471	589		318°47'	-0.4°	14.7	88°	+20.5	+5.8		487.3		+440	-391	1,405,539 251,969 T-rd
472	616		315°59.2'	-0.4°	5.1	89°	+10.7	+5.6		487.1	TP	+439	-432+1	1,405,538 251,929 Line runs W.
472	616				6.9	88°50'	+12.5	+5.6			TP			
473	880		42°20.7' +180°	-0.4°	+10.2	-		+10.2	497.3		BS	-655	-588+1	
	880				+14.6	TH	-4.4	+10.2			BS			
473	660		42°20.7'	-0.4°	10.6	-		-10.6		486.7		+491	+441	1,405,374 251,783
474	440		"	-0.4°	8.7	-		-8.7		488.6		+327	+294	1,405,210 251,636

EOL

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-17-78		G. Cotcamp		R. Hulsey		6834		R. J. H.		4		41			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Rayle		Georgia		Oglethorpe								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
									497.3						
475	220		42° 20.7'	-0.4°	7.8	-		-7.8		489.5		+164	+147	1,405,047	251,489
476	0				5.4	-		-5.4		491.9	π	0	0	1,404,883	251,342
477	220		230° 52'	-0.4°	1.0	-		-1.0		496.3		-140	-170	1,404,743	251,172
478	440		237° 35'	-0.4°	3.7	89°	+7.7	+4.0		501.3	TP	-238	-370+1	1,404,645	250,973
478	440				1.1	89° 20'	+5.1	+4.0			TP				
	440		81° 17.3' +180°	-0.4°	+6.3	-		+6.3	507.6		BS	-70	-434+1		
	440				+8.5	TH	-2.2	+6.3			BS				
479	220		84° 46'	-0.4°	4.5	-		-4.5		503.1		+22	+219	1,404,597	250,759
480	0				5.4	-		-5.4		502.2	π	0	0	1,404,575	250,540
481	220		266° 42'	-0.4°	6.3	-		-6.3		501.3		-14	-220	1,404,561	250,320
482	440			-0.4°	7.0	-		-7.0		500.6		-28	-439	1,404,547	250,101
483	660			-0.4°	7.4	-		-7.4		500.2		-43	-659	1,404,532	249,881
484	880			-0.4°	7.2	-		-7.2		500.4		-57	-878	1,404,518	249,662
485	1100		265° 48'	-0.4°	5.9	-		-5.9		501.7	TP	-88	-1096+1	1,404,487	249,445
485	1100				11.4	TH	+5.5	-5.9			TP				
	1760		77° 45.2' +180°	-0.4°	+15.0	-		+15.0	516.7		BS	-385	-1717+1		
	1760				+6.2	BH	+8.8	+15.0			BS				
486	1540		77° 45.2'	-0.4°	12.7	-		-12.7		504.0		+337	+1503	1,404,439	249,232
487	1320			-0.4°	11.0	-		-11.0		505.7		+289	+1288	1,404,391	249,017
488	1100			-0.4°	11.0	-		-11.0		505.7		+241	+1073	1,404,343	248,802

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-17-78		G. Cotcamp		R. Hulsey		6834		R. J. H.		4		42			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Rayle		Georgia		Oglethorpe								I. 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
									516.7						
489	880		77° 45.2'	-0.4°	11.8	-	-11.8		504.9			+193	+859	1,404,295	248,588
490	660		"	-0.4°	12.8	-	-12.8		503.9			+144	+644	1,404,246	248,373
491	440		"	-0.4°	11.7	-	-11.7		505.0			+96	+429	1,404,198	248,158
492	220		"	-0.4°	8.4	-	-8.4		508.3			+48	+215	1,404,150	247,944
493	0				5.4	-	-5.4		511.3		X	0	0	1,404,102	247,729
494	220		257° 49'	-0.4°	2.3	-	-2.3		514.4			-48	-215	1,404,054	247,514
TP	417		256° 13'	-0.4°	0.8	-	-0.8		515.9			-102	-404	1,404,000	247,325
495	440		257° 49'	-0.4°	0.6	-	-0.6		516.1			-96	-429	1,404,006	247,300
496	660		255° 28.5'	-0.4°	0.7	-	-0.7		516.0			-170	-638	1,403,932	247,091
496	660				4.0	TH	+3.3	-0.7							
TP	895		184° 11.2'		7.6	-	-7.6				TP				
TP	895				12.0	TH	+4.5	-7.5		509.2	TP				
	516		323° -180°		+2.4	87° 50'	-19.5	-17.1	492.1		BS				
	516				+5.4	87° 30'	-22.5	-17.1			BS				
TP	710		126° 46'		11.5	BH	-3.6	-15.1		477.0	TP				
TP	710				13.0	90° 10'	-2.1	-15.1			TP				
	232		294° 46' -180°		+4.2	-	+4.2		481.2		BS				
	232				+5.4	TH	-1.2	+4.2			BS				
TP	572		116° 4'		13.1	-	-13.1		468.1		TP				
TP	572				10.3	BH	-2.9	-13.2			TP				

Horiz. Corr. y-6'
x-6'

1,404,000 + 247,325

T-rd (south)

EOL

Vertical traverse
from T-rd 494 to
T-rd south

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc. Client - COCORP

Pt #2 Pages 44-61

DATE 12-11-79	INSTRUMENT MAN G. Cotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY GHL	LINE NO. 4	PAGE 44
AREA GEORGIA	TOPO MAP Lexington	STATE GEORGIA	COUNTY Oglethorpe	TWP 	RANGE 	PPM
				PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
496										516.0				1,403,932	247,091	
	1320		71°59' +180°	-1°	+10.5	OH	+6.6	+17.1			BS	-412	-1259+3			Note: line #4 was
	1320				+5.7	90°30'	+11.5	+17.2	533.2		BS					extended approximately
497	1100		71°59'	-1°	10.8	OH	-5.5	-16.3		516.9		+344	+1095	1,403,864	246,885	1 year later - original
498	880		" "		14.3	-		-14.3		518.9		+275	+836	1,403,795	246,676	paint marks at stations
499	660		72°46'	-1°	12.3	-		-12.3		520.9		+197	+630	1,403,717	246,470	were still visible.
500	440		" "	"	10.1	-		-10.1		523.1		+131	+420	1,403,651	246,260	
501	220		" "	"	7.3	-		-7.3		525.9		+66	+210	1,403,586	246,050	
502	0				54	-		-5.4		527.8	X	0	0	1,403,520	245,840	
TF	152		251°7'	-1°	3.5	-		-3.5		529.7		-49	-144	1,403,471	245,696	Driveway (north)
503	220		255°23'	-1°	3.0	-		-3.0		530.2		-56	-213	1,403,464	245,627	
504	440		" "	-1°	1.1	TH	2.2	+1.1		534.3		-112	-426	1,403,408	245,414	
505	660		" "	"	13.3	88°-	+23.0	+9.7		542.9		-168	-638	1,403,352	245,202	
506	880	879	" "	"	10.8	88°-	+30.7	+19.9		553.1		-223	-850	1,403,297	244,990	
507	1100	1099	254°2'	-1°	7.8	88°-	+38.4	+30.6		563.8		-304	-1056	1,403,216	244,784	
508	1320	1319	253°11.5'	-1°	10.4	88°-	+46.0	+35.6			TP	-384-2	-1262+3	1,403,134	244,581	
508	1320				5.0	88°14'	+40.7	+35.7		568.9	TP					
	1100		82°37.9' +180°	-1°	+14.9	90°20'	+6.4	+21.3			BS	-143-2	-1091+3			
	1100				+13.7	90°24'	+7.7	+21.4	590.3		CS					
509	880		83°37'	-1°	14.5	90°30'	-7.7	-22.2		568.1		+99	+874	1,403,088	244,367	
510	660		" "	"	10.0	91°-	-11.5	-21.5		568.8		+75	+656	1,403,064	244,149	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12/11/79	INSTRUMENT MAN G. Cotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY GHL	LINE NO. 4	PAGE 45
AREA Georgia	TOPO MAP Lexington	STATE Georgia	COUNTY Oglethorpe	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
									590.3						
511	490		83° 37'	-1°	14.1	84	-2.2	-16.3		574.0		+50	+437	1,403,039	243,930
512	220		" "	"	10.0	-		-10.0		580.3		+25	+219	1,403,014	243,712
513	0				5.4	-		-5.4		584.9	X	0	0	1,402,989	243,493
514	220		269° 22'	-1°	5.5	-		-5.5		584.8		-22	-219	1,402,967	243,274
515	490		" "	"	7.1	-		-7.1		583.2		-44	-438	1,402,945	243,055
516	660		" "	"	9.7	-		-9.7		580.6		-66	-657	1,402,923	242,836
517	880		" "	"	9.9	-		-9.9		580.4		-88	-876	1,402,901	242,617
518	1100		" "	"	4.2	-		-4.2		586.1		-110	-1094	1,402,879	242,399
519	1320		" "	"	3.8	TH	+6.6	+2.8		593.1		-132	-1313	1,402,857	242,180
520	1540		" "	"	1.7	TH	+7.7	+6.0		596.3		-154	-1532	1,402,835	241,961
521	1760		263° 29.3'	-1°	4.5	TH	+8.8	+4.3	+9.2	599.5	TP	-203-2	-1748+3	1,402,789	241,748
521	1760				6.1	89° 40'	+10.2	+4.1			TP				
	867		21° 53.2' + 180°	-1°	+9.6	89°	-15.1	-5.5	589.0		BS	-805-2	-322+3		curve
	867				+7.1	89° 10'	-12.6	-5.5			BS				
522	655		16° 34'	-1°	9.1	89°	+11.4	+2.3		591.3		+628	+186	1,402,605	241,615
523	440		15° 52'	-1°	6.1	89°	+7.7	+1.6		590.6		+423	+120	1,402,400	241,549
524	220		" "	"	0.7	TH	+1.1	+0.4		589.4		+212	+60	1,402,189	241,489
525	0				5.4	-		-5.4		583.6	X	0	0	1,401,977	241,429
526	220		209° 3'	-1°	8.0	-		-8.0		581.0		-193	-106	1,401,784	241,323
TP	410		219° 5'	-1°	9.1	-		-9.1		579.9		-319	-258	1,401,658	241,171

1,401,665 + 241,195 (3)
T-intersect (south) el. 581.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12/11/79	INSTRUMENT MAN G. Cotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY GHL	LINE NO. 4	PAGE 46
AREA Georgia	TOPO MAP Lexington	STATE Georgia	COUNTY Oglethorpe	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.	
									589.0					
527	430		221°15'	-4°	7.4	BH	-2.2	-9.6		579.4		-325	-281	1,401,652 241,148 curve
528	610		238°25'	-4°	8.0	-		-8.0		581.0		+323	-517	1,401,654 240,912
529	748		251°34.9'	-4°	6.3	-		-6.3		582.7	TP	-241-2	-708+3	1,401,734 240,724 sharp curve
529	748				2.6	BH	-3.7	-6.3			TP			
	870		78°28'+180°	-4°	+11.0	BH	+4.4	+15.4	598.1		BS	-180-2	-851+3	
	870				+5.3	90°40'	+10.1	+15.4			BS			curve
530	660		72°28'	-4°	13.7	-		-13.7		584.4		+203	+628	1,401,755 240,504
531	440		" "	"	12.7	-		-12.7		585.4		+135	+419	1,401,687 240,295
532	220		" "	"	9.8	-		-9.8		588.3		+68	+209	1,401,620 240,085
533	0				5.4	-		-5.4		592.7	T	0	0	1,401,552 239,876
534	220		241°21.8'	-4°	5.1	-		-5.1		593.0		-107	-192	1,401,445 239,684
535	440		" "	"	10.9	-		-10.9		587.2		-214	-385	1,401,338 239,491
536	660		" "	"	14.4	-		-14.4		583.7		-320	-577	1,401,232 239,299
537	880		241°21.8'	-4°	12.7	BH	-4.4	-17.1		581.0	TP	-427-2	-769+3	1,401,123 239,110
537	880				9.4	90°30'	-7.7	-17.1			TP			
	1320		56°46'+180°	-4°	+12.7	BH	+6.6	+19.3	600.3		BS	-731	-1099+3	
	1320				+7.8	90°30'	+11.6	+19.3			BS			
538	1100		56°46'	-4°	2.9	91°-	-19.2	-22.1		578.2		+609	+916	1,401,001 238,930
K	932		56°2'	-4°	6.8	91°-	-16.3	-23.1		577.2		+526	+769	1,400,918 238,783 T-rod (south) el. 578.
539	880		56°3'	-4°	7.6	91°-	-16.4	-22.9		577.4		+509	+718	1,400,901 238,732

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12/11/79		G. Cotcamp		G. Litzinger		5834		GHL		4		47				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Lexington		Georgia		Oglethorpe								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
									600.3							
540	660		55°3'	-9°	7.3	91°-	-11.5	-18.8		581.5		+382	+538	1,400,774	238,552	
541	440		" "	"	12.2	-		-12.2		588.1		+255	+359	1,400,647	238,373	
542	220		" "	"	7.3	-		-7.3		593.0		+127	+179	1,400,519	238,193	
543	0				5.4	-		-5.4		594.9	TP	0	0	1,400,392	238,014	
544	220		234°48.5'	-9°	5.7	-		-5.7		594.6		-128	-179	1,400,264	237,835	
545	440		" "	"	6.0	-		-6.0		594.3		-256	-358	1,400,136	237,656	
546	660		" "	"	5.3	-		-5.3		595.0		-384	-537	1,400,008	237,477	
547	880		" "	"	2.9	-		-2.9		597.4		-512	-716	1,399,880	237,298	
548	1100		" "	"	0.2	-		-0.2		500.1		-690	-895	1,399,752	237,119	
549	1320		" "	"	4.3	TH	+6.6	+2.3		602.6		-768	-1073	1,399,624	236,941	
550	1525		233°13.6'	-9°	5.3	TH	+7.6	+2.3		602.6	TP	-921	-1215.3	1,399,471	236,802	curve
550	1525				11.1	89°30'	+13.3	+2.2			TP					
	880		41°19'+180°	-9°	+0.5	-		+0.5	603.1		BS	-665	-576.3			
	880				+4.9	TH	-4.4	+0.5			BS					
551	660		41°19'	-9°	2.2	-		-2.2		600.9		+499	+432	1,399,305	236,661	
552	440		" "	"	3.8	-		-3.8		599.3		+332	+288	1,399,138	236,517	
553	220		" "	"	5.3	-		-5.3		597.8		+166	+144	1,398,972	236,373	
554	0				5.4	-		-5.4		597.7	TP	0	0	1,398,806	236,229	
555	220		227°34'	-9°	3.1	-		-3.1		600.0		-150	-161	1,398,656	236,068	
556	440		" "	"	1.9	TH	+2.2	+0.3		603.4		-299	-323	1,398,507	235,906	

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12/11/79		G. Cotcamp		G. Litzinger		6834		GHL		4		48			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Lexington		Georgia		Oglethorpe								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
									603.1						
557	660		228° 33'	-4°	7.8	89° -	+11.5	+3.7		606.8		-440	-492	1,398,366	235,737
558	880		230° 19.5'	-4°	8.2	89° -	+15.4	+7.2		610.3	TP	-567	-673+2	1,398,239	235,558
558	880				5.6	89° 10'	+12.8	+7.2			TP				
	880		60° 18.7' +180°	-4°	+13.9	-		+13.4	623.7		BS	-441	-761+2		
	880				+9.0	BH	+4.4	+13.4			BS				
559	660		59° -	-4°	10.0	-		-10.0		613.7		+344	+563	1,398,142	235,362
560	440		56° 22'	-4°	7.3	-		-7.3		616.4		+246	+365	1,398,044	235,164
561	220		" "	"	6.1	-		-6.1		617.6		+123	+18.2	1,397,921	234,981
562	0		" "	"	5.4	-		-5.4		618.3	TP	0	0	1,397,798	234,799
563	220		227° 31.4'	-4°	3.9	-		-3.9		619.8		-150	-161	1,397,698	234,638
564	440		" "	"	2.2	-		-2.2		621.5		-299	-322	1,397,499	234,477
565	660		" "	"	2.6	TH	+3.3	+0.7		624.4		-449	-484	1,397,349	234,315
566	880		" "	"	10.2	89° -	+15.4	+5.2		628.9		-599	-645	1,397,199	234,154
567	1100		" "	"	9.0	89° -	+19.2	+10.2		633.9		-748	-806	1,397,050	233,993
568	1320		" "	"	7.6	89° -	+23.0	+15.4		639.1		-898	-967	1,396,900	233,832
569	1590		" "	"	5.9	89° -	+26.9	+21.0		644.7		-1048	-1129	1,396,750	233,670
570	1760		" "	"	5.0	89° -	+30.7	+25.7		649.4		-1198	-1290	1,396,600	233,509
571	1980		227° 31.4'	-4°	4.4	89° -	+34.6	+30.2		653.9	TP	-1347	-1451	1,396,451	233,348
571	1980				3.3	89° 2'	+33.4	+30.1			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12/11/79		G. Cotcamp		G. Litzinger		6834		GHL		4		49			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Lexington		Georgia		Oglethorpe								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
571										653.9					
	1100		52°23.2' +180°	-9°	+5.8	89°30'	-9.6	-3.8			BS	-677	-867		
	1100				+2.7	89°40'	-6.4	-3.7	650.2		BS				
572	880		52°23.2'	-4°	4.6	89°30'	+7.7	+3.1		653.3		+542	+693	1,396,316	233,174
573	660		51°44'	-4°	5.9	89°30'	+5.8	-0.1		650.1		+412	+515	1,396,186	232,996
574	440		"	"	3.3	-		-3.3		646.9		+27.5	+344	1,396,049	232,825
575	220		"	"	5.4	-		-5.4		644.8		+137	+172	1,395,911	232,653
576	0				5.4	-		-5.4		644.8	TP	0	0	1,395,774	232,481
577	220		220°21'	-9°	5.7	-		-5.7		644.5		-169	-141	1,395,605	232,340
578	440		"	"	11.0	-		-11.0		639.2		-337	-283	1,395,437	232,198
TL	490		216°48'	-4°	11.8	-		-11.8		638.4		-394	-291	1,395,380	232,190
579	640		208°58'		12.2	-		-12.2		638.0	TP	-562+2	-306+2	1,395,219	232,177
579	640				6.7	90°30'	-5.6	-12.3			TP				
	220		354°48' -160°	-4°	+6.2	89°-	-3.8	+2.4	640.4		BS	-219+2	+21+2		dirt road (private)
	220				+4.9	89°20'	-2.6	+2.3			BS				↓
580	0				5.4	-		-5.4		635.0	TP	0	0	1,394,997	232,200
581	220		191°39'	-4°	5.8	-		-5.8		634.6		-216	-43	1,394,781	232,157
582	440		191°39'	-4°	3.2	-		-3.2		637.2	TP	-432+2	-86+2	1,394,567	232,116
582	440				5.4	TH	+2.2	-3.2			TP				
	880		17°50.7' +180°	-4°	+4.8	-		+4.8	642.0		BS	-890+2	-264+2		
	880				+9.2	TH	-4.4	+4.8			BS				

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 12/11/79	INSTRUMENT MAN G Cotcamp	ROD MAN G.L. Tzinger	PARTY NUMBER 6834	NOTES CHECKED BY GHL	LINE NO 4	PAGE 50
AREA Georgia	TOPO MAP Lexington	STATE Georgia	COUNTY Oglethorpe	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
									642.0						
583	660		17°50.7'	-4°	3.9	-		-3.9		638.1		+630	+198	1,394,359	232,052
584	440		" "		7.5	-		-7.5		634.5		+420	+132	1,394,199	231,986
585	220		22°15'	-4°	7.0	-		-7.0		635.0		+204	+82	1,393,933	231,936
586	0				5.4	-		-5.4		636.6	TP	0	0	1,393,729	231,854
587	220		224°51'	-4°	2.7	89°-	+3.8	+1.1		643.1		-157	-154	1,393,572	231,700
588	440		" "		5.7	88°-	+15.3	+9.6		651.6		-314	-308	1,393,415	231,546
589	660		222°41.2'	-4°	12.5	87°34'	+28.0	+15.5		657.5	TP	-488+2	-444+2	1,393,243	231,412
589	660				13.3	87°30'	+28.8	+15.5			TP				
	1100		33°4'+180°	-4°	+6.0	TH	-5.5	+0.5	658.0		BS	-926+2	-594+2		
	1100				+6.9	89°40'	-6.4	+0.5			BS				
590	880		33°4'	-4°	5.0	TH	+4.4	-0.6		657.4		+741	+475	1,393,060	231,295
Y	730		33°44'	-4°	3.7	TH	+3.7	+0.0		659.0		+610	+401	1,392,929	231,221
591	660		33°4'	-4°	0.7	-		-0.7		657.3		+556	+356	1,392,875	231,176
592	440		" "	"	2.9	-		-2.9		655.1		+370	+237	1,392,689	231,057
593	220		" "	"	3.9	-		-3.9		654.1		+185	+119	1,392,504	230,939
594	0				5.4	-		-5.4		652.6	TP	0	0	1,392,319	230,820
595	220		210°4'	-4°	2.3	-		-2.3		655.7		-191	-109	1,392,128	230,711
596	440		" "	"	0.7	TH	+2.2	+1.5		659.5		-382	-218	1,391,937	230,602
597	655		202°48.2'	-4°	10.4	89°-	+11.4	+1.0		659.0	TP	-601+2	-260+2	1,391,720	230,562
597	655				9.7	89°4'	+10.7	+1.0			TP				curve

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12/12/79		G. Cotcamp		G. Litzinger		6834		GHL		4		51				
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER				
Georgia		Lexington		Georgia		Oglethorpe						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
597	430		22° 22' +180°	-9°	+9.2	89°-	-7.5	+1.7	660.7		BS	-399+2	-161+2		curve	
	430				+5.5	89°30'	-3.8	+1.7			BS					
598	220		34° 9'	-9°	4.4	-		-4.4		656.3		+183	+122	1,391,506	230,525	
599	0				5.9	-		-5.4		655.3	X	0	0	1,391,323	230,403	
	90		221° 23'	-9°	5.0	-		-5.0		655.7		-68	-59	1,391,255	230,394	1,391,280 + 230,335(s) intersect.
600	215		256° 27'	-9°	2.3	-		-2.3		658.4		-52	-209	1,391,271	230,194	curve
601	432		265° 49'	-9°	13.8	88° 20'	+12.6	-1.2		659.5		-35	-431	1,391,288	229,972	"
602	650		269° 46.3'	-9°	9.5	89°-	+11.3	+1.8		662.5	TP	-7+2	-650+2	1,391,318	229,755	"
602	650				3.9	89°30'	+5.7	+1.8			TP					unable to locate B.M.
	440		102° 3.3' +180°	-9°	+14.8	88°36'	-10.7	+4.1			BS	+89+2	-431+2			
	440				+11.7	89°-	-7.7	+4.0	666.5		BS					
603	220		102° 3.3'	-9°	4.3	-		-4.3		662.2		-44	+215	1,391,365	229,541	
604	0				5.4	-		-5.4		661.1	X	0	0	1,391,409	229,326	
605	220		289° 46.8'	-9°	10.0	-		-10.0		656.5		+73	-208	1,391,482	229,118	
606	440		" "	"	8.8	-		-8.8		657.7		+146	-415	1,391,555	228,911	
607	658		289° 46.8'	-9°	4.1	-		-4.1		662.4	TP	+218+2	-621+2	1,391,629	228,707	
607	658				7.9	TH	+3.3	-4.1			TP					
	190		17° 46.6' +180°	-9°	+11.4	-		+11.4	673.8		BS	-181+2	-57+2			
	190				+12.4	TH	-1.0	+11.4			BS					sharp curve
608	0				5.4	-		-5.4		668.4	X	0	0	1,391,450	228,652	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 12/12/79	INSTRUMENT MAN G. Cotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6839	NOTES CHECKED BY GHL	LINE NO. 4	PAGE 52
AREA Georgia	TOPO MAP Lexington	STATE Georgia	COUNTY Oglethorpe	TWP	RANGE	PPM
				PARTY MANAGER L. O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
609	220		178° 7.2'	-4°	8.0	-		-8.0		665.9		-220	+9	1,391,230	228,661	
610	490		" "	"	10.6	-		-10.6		663.2		-490	+18	1,391,010	228,670	
611	660		178° 7.2'	-4°	8.2	-		-8.2		665.6	TP	-659.2	+26.2	1,390,793	228,680	
611	660				4.9	BH	+3.3	-8.2			TP					
	665		48° 6' +180°	-4°	+10.3	-		+10.3	675.9		BS	-448.2	-492.2			curve
	665				+7.0	BH	+3.3	+10.3			BS					
612	490		48° 6'	-4°	4.6	-		-4.6		671.3		+296	+325	1,390,693	228,515	
	390		49° 42'	-4°	4.8	-		-4.8		671.1		+254	+296	1,390,601	228,486	T-d
613	220		48° 6'	-4°	2.9	-		-2.9		673.0		+148	+163	1,390,995	228,353	
614	0				5.4	-		-5.4		670.5	TP	0	0	1,390,397	228,190	
615	220		227° 52'	-4°	7.2	-		-7.2		668.7		-149	-162	1,390,198	228,028	
616	490		" "	"	12.9	-		-12.9		663.0		-297	-324	1,390,050	227,866	
617	660		" "	"	13.8	BH	-3.3	-17.1		658.8		-446	-486	1,389,901	227,704	
618	880		227° 14.6'	-4°	14.8	-		-14.8		661.1	TP	-602	-642	1,389,795	227,548	T.P. opposite station
618	880				10.4	BH	-4.4	-14.8			TP					
	444		63° 53' +180°	-4°	+8.4	-		+8.4	669.5		BS	-198	-397			
	444				+6.2	BH	+2.2	+8.4			BS					
619	220		63° 53'	-4°	3.0	-		-3.0		666.5		+98	+197	1,389,695	227,348	
620	0				5.4	-		-5.4		664.1	TP	0	0	1,389,547	227,151	
621	220		255° 27'	-4°	9.3	-		-9.3		660.2		-57	-213	1,389,990	226,938	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12/12/79	INSTRUMENT MAN G. Cotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY GHL	LINE NO. 4	PAGE 53
AREA Georgia	TOPO MAP Lexington	STATE Georgia	COUNTY Oglethorpe	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
622	440		255° 27'	-4°	7.0	-		-7.0		662.5		-114	-425	1,389,433	226,726	
623	655		260° 41'	-4°	8.1	89°	+11.4	+2.8		672.3		-111	-646	1,389,436	226,505	curve
624	867		265° 48.3'	-4°	3.4	89°	+15.1	+11.7		681.2	TP	-69	-864	1,389,478	226,287	
624	867				6.0	88° 50'	+17.7	+11.7			TP					
	660		67° +180°	-9°	+14.1	88°	-23.0	-8.9	672.3		BS	-262	-606			
	660				+10.3	88° 20'	-19.2	-8.9			BS					
625	440		67° -	-4°	7.9	88°	+15.3	+7.4		679.7		+175	+404	1,389,391	226,085	
626	220		" "	"	6.3	88°	+7.7	+1.4		673.7		+87	+202	1,389,303	225,883	
IL	15		100° 31'	-9°	4.5	-		-4.5		667.8		-3	+15	1,389,213	225,696	T-rod (north)
627	0				5.4	-		-5.4		666.9	π	0	0	1,389,216	225,681	
BM	42		281° 12'	-9°	1.9	-		-1.9		670.4		+8	-41	1,389,224	225,690	U.S.G.S. 43W10 1970
628	220		250° 5.6'	-9°	12.7	-		-12.7		659.6		-76	-206	1,389,140	225,475	
629	440		" "	"	14.0	84	-2.2	-16.2		656.1		-153	-413	1,389,063	225,268	
630	660		250° 5.6'	-9°	12.6	84	-3.3	-15.9		656.4	TP	-229+2	-619+2	1,389,989	225,064	
630	660				10.2	90° 30'	-5.8	-16.0			TP					
	440		28° 38' +180°	-9°	+2.3	TH	-2.2	+0.1	656.5		BS	-388+2	-208+2			
	440				+7.8	89°	-7.7	+0.1			BS					
631	220		28° 38'	-9°	0.8	TH	+1.1	+0.3		656.8		+194	+104	1,388,797	224,962	
632	0				5.4	-		-5.4		661.1	π	0	0	1,388,603	224,858	
633	220		246° 45'	-9°	10.0	-		-10.0		646.5		-88	-202	1,388,515	224,656	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 12/12/79	INSTRUMENT MAN G. Cotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY GHL	LINE NO. 4	PAGE 54
AREA Georgia	TOPO MAP Lexington	STATE Georgia	COUNTY Oglethorpe	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
634	400		268° 36'	-9°	8.4	-		-8.4		648.1	TP	-13+2	-400+2	1,388,592	224,960	sharp curve
634	400				6.4	BH	-2.0	-8.4			TP					
	1075		80° 28.2' +180°	-9°	+14.4	-		+14.4	662.5		BS	-185+2	-1059+2			curve
	1075				+9.0	BH	+5.4	+14.4			BS					
635	880		74° 32'	-9°	10.5	-		-10.5		652.0		+241	+846	1,388,650	224,249	
636	660		"	"	10.0	-		-10.0		652.5		+180	+635	1,388,589	224,038	
637	440		"	"	11.9	-		-11.9		650.6		+120	+423	1,388,529	223,826	
638	220		"	"	8.7	-		-8.7		653.8		+60	+212	1,388,469	223,615	
639	0		"	"	5.4	-		-5.4		652.1	X	0	0	1,388,409	223,403	
640	220		259° 33.1'	-9°	5.4	-		-5.4		657.1		-60	-212	1,388,349	223,191	
641	440		"	"	6.6	-		-6.6		655.9		-120	-423	1,388,289	222,980	
642	660		"	"	10.3	-		-10.3		652.2		-180	-635	1,388,229	222,768	
643	880		"	"	10.2	-		-10.2		652.3		-240	-847	1,388,169	222,556	
644	1100		259° 33.1'	-9°	7.0	-		-7.0		655.5	TP	-300+1	-1058	1,388,110	222,345	
644	1100				12.5	TH	+5.5	-7.0			TP					
	440		73° 47' +180°	-9°	+8.5	TH	-2.2	+6.3	661.8		BS	-126	-422			
	440				+8.9	89° 40'	= 2.6	+6.3			BS					
645	220		73° 47'	-9°	1.0	-		-1.0		660.8		+63	+211	1,388,047	222,134	horiz. correct. y=+37' x=+36'
646	0				5.4	-		-5.4		656.4	X	0	0	1,387,984	221,923	
1P	98		252° 58'	-9°	6.4	-		-6.4		655.4		-29	-93	1,387,955	221,830	1,387,955 + 221,830(S) Intersect. el. 655.

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE			
12/14/79		G. Cotcamp		G. Litzinger		6834		GHL			4		55			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Lexington		Georgia		Oglethorpe								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
									661.8							
647	165		213° 13'	-4°	9.7	-		-9.7		652.1	TP	-139.1	-89.2	1,387,846	221,832	first sta. on pavement
647	165				10.5	TH	+0.8	-9.7			TP					
	660		4° 39.5' +180°	-4°	+11.5	89°	-11.5	+0.0	652.1		BS	-658	-49.2			
	666				+0.1	-		+0.1			BS					
648	440		8° 14'	-4°	5.0	-		-5.0		642.1		+436	+60	1,387,624	221,891	
649	220		" "	"	6.7	-		-6.7		645.4		+218	+30	1,387,906	221,811	
650	0				5.4	-		-5.4		646.7	X	0	0	1,387,188	221,781	
651	220		198° 48'	-2°	0.5	-		-0.5		651.4		-209	-68	1,385,979	221,713	
652	440		" "	"	2.8	89°	+7.7	+4.9		657.0		-419	-135	1,386,769	221,646	
653	660		" "	"	10.0	88°	+23.0	+13.0		665.1		-628	-203	1,386,560	221,578	
654	880		" "	"	9.3	88°	+30.7	+21.4		673.5		-837	-270	1,386,351	221,511	
655	1100		198° 48'	-2°	11.6	88°	+38.4	+26.8		678.9	TP	-1047	-338.2	1,386,191	221,441	
655	1100				5.2	88° 20'	+32.0	+26.8			TP					
	880		18° 28.3' +180°	-2°	+11.4	BH	+4.4	+15.8	694.7		BS	-836	-273			
	880				+5.7	90° 40'	+10.2	+15.9			BS					
656	660		18° 28.3'	-2°	12.3	-		-12.3		682.4		+627	+207	1,385,932	221,375	
657	440		" "	"	9.1	-		-9.1		685.6		+418	+138	1,385,723	221,306	
658	220		" "	"	5.5	-		-5.5		689.2		+209	+69	1,385,514	221,237	
659	0				5.4	-		-5.4		689.3	X	0	0	1,385,305	221,168	
660	220		198° 37'	-2°	8.2	-		-8.2		686.5		-209	-70	1,385,096	221,098	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 12/19/79	INSTRUMENT MAN G. Cotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY CHL	LINE NO. 4	PAGE 56
AREA Georgia	TOPO MAP Lexington	STATE Georgia	COUNTY Oglethorpe	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									694.7							
661	440		198°37'	-2°	12.7	-		-12.7		682.0		-417	-139	1,384,888	221,029	
662	660		" "	"	11.8	-		-11.8		682.9		-626	-209	1,384,677	220,959	
663	885		197°9'	-2°	5.9	-		-5.9		688.8		-846	-258	1,384,959	220,910	1,384,960 + 220,900(s) T-rod (south)
663	880		199°9'	-2°	6.2	-		-6.2		688.5	TP	-832	-286	1,384,473	220,882	
663	880				10.6	74	+4.4	-6.2			TP					
	655		58°46' + 180°	-2°	+8.0	84	+3.3	+11.3	699.8		BS	-343	-558			
	655				8.4	90°30'	+3.8	+12.2			BS					misread rod (gmc) curve
664	440		55°16'	-2°	11.4	-		-11.4		688.4		+252	+361	1,384,382	220,685	
665	220		49°53'	-2°	6.2	-		-6.2		693.6		+142	+168	1,384,272	220,492	
666	0				5.9	-		-5.4		694.4	X	0	0	1,384,130	220,324	
667	220		218°4'	-2°	12.9	-		-12.9		686.9		-174	-135	1,383,956	220,189	
668	440		" "	"	13.7	91°	-7.7	-21.4		678.4		-397	-270	1,383,783	220,054	
669	660		219°23'	-2°	10.9	91°30'	-17.3	-28.2		671.6		-512	-417	1,383,618	219,907	
670	874		223°40.6'	-2°	8.7	91°30'	-22.8	-31.6		668.2	TP	-634	-601	1,383,496	219,723	curve
670	874				13.7	91°10'	-17.8	-31.5			TP					
	1320		63°18' + 180°	-2°	+14.9	89°30'	-11.5	+3.4	671.6		BS	-597	-1177			
	1320				+14.2	89°32'	-10.7	+3.5			BS					
671	1100		62°42'	-2°	6.5	89°30'	+9.6	+3.1		674.7		+508	+976	1,383,907	219,522	
672	880		" "	"	1.6	89°30'	+7.7	+6.1		672.7		+406	+781	1,383,305	219,327	
673	660		" "	"	0.8	89°30'	+5.8	+5.0		674.6		+305	+585	1,383,204	219,131	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12/14/79		G. Cotcamp		G. Litzinger		6837		G.H.L.		4	57				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Georgia		Lexington		Georgia		Oglethorpe					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
									671.6						
674	490		62°42'	-2°	2.1	TH	+2.2	+0.1		671.7		+203	+390	1,383,102	218,936
675	220		" "	"	3.9	-		-3.9		667.7		+102	+195	1,383,001	218,741
676	0				5.4	-		-5.4		666.2	π	0	0	1,382,899	218,546
677	220		239°22'	-2°	3.8	-		-3.8		667.8		-113	-189	1,382,786	218,357
678	440		" "	"	2.1	TH	+2.2	+0.1		671.7		-226	-378	1,382,673	218,168
679	660		" "	"	5.8	89°-	+11.5	+5.7		677.3		-338	-567	1,382,561	217,979
680	880		237°17'	-2°	3.9	89°-	+15.4	+11.5		683.1		-478	-739	1,382,421	217,807
681	1100		" "	"	2.4	89°-	+19.2	+16.8		688.4		-598	-923	1,382,301	217,623
682	1320		237°33'	-2°	2.7	89°-	+23.0	+20.3		691.9	TP	-712	-1111	1,382,187	217,435
682	1320				10.4	88°40'	+30.7	+20.3			TP				
	1100		62°43.3'+180°	-2°	+7.6	91°20'	+25.6	+33.2	725.1		BS	-508	-976		
	1100				+4.4	91°30'	+28.8	+33.2			BS				
683	880		61°57'	-2°	13.2	91°-	-15.4	-28.6		696.5		+417	+775	1,382,096	217,234
684	660		61°7'	-2°	10.7	91°-	-11.5	-22.2		702.9		+321	+577	1,382,000	217,036
685	440		58°4'	-2°	13.9	-		-13.9		711.2		+234	+373	1,381,913	216,832
686	220		" "	"	7.3	-		-7.3		717.8		+117	+186	1,381,796	216,695
687	0				5.4	-		-5.4		719.7	π	0	0	1,381,679	216,459
688	220		218°46'	-2°	3.9	-		-3.9		721.2		-172	-137	1,381,507	216,322
688	219		218°28'	-2°	4.1	-		-4.1		721.0		-172	-136	1,381,507	216,323
689	440		218°46'	-2°	3.3	-		-3.3		721.8		-347	-270	1,381,322	216,189

1,381,515 + 216,315(S)
Total (northwest) = 721.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
12/14/79		G. Cotcamp		G. Litzinger		6834		GHL		4	58						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Georgia		Lexington		Georgia	Oglethorpe					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		
									725.1								
690	660		218°46'	-2°	5.6	-		-5.6		719.5		-521	-405	1,381,158	216,054		
691	880		" "	"	9.1	-		-9.1		716.0		-695	-540	1,380,984	215,919		
692	1100		218°456'	-2°	12.1	-		-12.1		713.0	TP	-860	-686	1,380,819	215,773		
692	1100				6.6	BH	-5.5	-12.1			TP						
	1316		55°21.2'±180°	-2°	+14.9	90°30'	+11.5	+26.4	739.4		BS	-752	-1080				horiz. correct. y=+1' x=-6'
	1316				+7.2	90°50'	+19.3	+26.3			BS						curve 1,380,700 + 215,620(s) T-rd (southeast)
693	1100		55°53'	-2°	13.5	90°30'	-9.8	-23.3		716.1		+633	+927	1,380,700	215,620		
693	1100		54°57'	-2°	13.3	90°30'	-9.6	-22.9		716.5		+635	+898	1,380,702	215,591		
694	880		53° -	-2°	15.1	BH	-4.4	-19.5		719.9		+532	+701	1,380,599	215,394		
695	660		" "	"	12.5	BH	-3.3	-15.8		723.6		+399	+526	1,380,466	215,219		
696	440		" "	"	13.5	-		-13.5		725.9		+266	+350	1,380,333	215,043		
697	220				9.9	-		-9.9		729.5		+133	+175	1,380,200	214,868		
698	0				5.4	-		-5.4		734.0	TP	0	0	1,380,067	214,693		
699	220		213°23'	-2°	3.0	-		-3.0		736.4		-184	-120	1,379,883	214,573		
700	440		" "	"	3.5	-		-3.5		735.9		-368	-241	1,379,699	214,452		
701	660		" "	"	3.8	-		-3.8		735.6		-552	-361	1,379,515	214,332		
702	880		" "	"	4.0	-		-4.0		735.4		-736	-482	1,379,331	214,211		
703	1100		212°196'	-2°	3.1	-		-3.1		736.3	TP	-932+3	-585+3	1,379,138	214,111		
703	1100				8.6	TH	+5.5	-3.1			TP						

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 12/15/79	INSTRUMENT MAN G. Gotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY GHI	LINE NO. 4	PAGE 59
AREA Georgia	TOPO MAP Lexington	STATE Georgia	COUNTY Oglethorpe	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	
703	660		44°50.5' +180°	-.2°	+7.0	-		+7.0	743.3		BS	-470+3	-464+3			
	660				+10.3	TH	-3.3	+7.0			BS					
704	440		46°59'	-.2°	44	-		-4.4		738.9		+302	+320	1,378,973	213,970	
705	220		" "	"	34	-		-3.4		739.9		+151	+160	1,378,822	213,810	
706	0				54	-		-5.4		737.9	X	0	0	1,378,671	213,650	
707	220		228°33'	-.2°	74	-		-7.4		735.9		-146	-164	1,378,525	213,986	
708	440		" "	"	69	-		-6.9		736.4		-292	-329	1,378,379	213,321	
709	660		" "	"	56	-		-5.6		737.7		-439	-493	1,378,232	213,157	
710	880		" "	"	65	-		-6.5		736.8		-585	-658	1,378,086	212,992	
711	1100		" "	"	8.2	-		-8.2		735.1		-731	-822	1,377,940	212,828	
712	1220		228°15'	-.2°	9.0	-		-9.0		734.3		-816	-907	1,377,855	212,743	1,377,875 + 212,750 Trd(northwest) c. 732.
713	1320		228°33'	-.4°	9.2	-		-9.2		734.1		-881	-983	1,377,790	212,667	
713	1540		226°42.6'	-.4°	5.6	BH	-7.7	-13.3		730.0	TP	-1064+3	-1114+3	1,377,610	212,539	
713	1540				4.4	90°20'	-9.0	13.4			TP					
	660		29°49' +180°	-.4°	+6.1	89°	-11.5	-5.4	724.6		BS	-575+3	-329+3			
	660				+0.4	89°30'	-5.8	-5.4			BS					
714	440		28°23'	-.4°	2.1	TH	+2.2	+0.1		724.7		+389	+206	1,377,427	212,424	
715	220		" "	"	3.0	-		-3.0		721.6		+194	+103	1,377,232	212,321	
716	0				54	-		-5.4		719.2	X	0	0	1,377,038	212,218	
717	220		198° -	-.4°	8.1	-		-8.1		716.5		-210	-67	1,376,828	212,151	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
12/15/79		G. Cotcamp		G. Litzinger		6839		GHL		4		60		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Lexington		Georgia		Oglethorpe						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.	
									724.6					
718	440		198° -	-4°	10.8	-		-10.8		713.8		-419	-133	1,376,619 212,085
719	660		" "	"	13.7	-		-13.7		710.9		-629	-200	1,376,409 212,018
720	874		203° 22.4'	-4°	12.3	0H	-4.4	-16.7		707.9	TP	-805+3	-341+3	1,376,236 211,880 curve
720	874				9.1	90° 30'	-7.6	-16.7			TP			
	660		53° 30' +180°	-4°	+5.0	-		+5.0	712.9		BS	-396+3	-528+3	
	660				+8.3	TH	-3.3	+5.0			BS			
721	440		55° 7'	-4°	6.8	-		-6.8		706.1		+254	+359	1,376,097 211,714
722	220		" "	"	6.0	-		-6.0		706.9		+127	+180	1,375,970 211,535
723	0				5.4	-		-5.4		707.5	X	0	0	1,375,893 211,355
724	220		235° 52.2'	-4°	4.0	-		-4.0		708.9		-125	-181	1,375,718 211,174
725	440		" "	"	0.1	-		-0.1		712.8		-299	-362	1,375,594 210,993
726	660		" "	"	7.5	89° -	+11.5	+4.0		716.9		-374	-594	1,375,469 210,811
727	880		" "	"	6.3	89° -	+15.4	+9.1		722.0		-499	-725	1,375,344 210,630
728	1100		235° 52.2'	-4°	6.7	89° -	+19.2	+12.5		725.4	TP	-623+3	-906+2	1,375,223 210,451
728	1100				0.3	89° 20'	+12.8	+12.5			TP			
	645		92° 53' +180°	-4°	+12.4	0H	+3.2	+15.6	741.0		BS	+28+3	-644+2	
	645				+10.0	90° 30'	+5.6	+15.6			BS			
729	440		101° 28'	-4°	10.8	-		-10.8		730.2		-84	+432	1,375,170 210,291
730	220		" "	"	6.1	-		-6.1		734.9		-42	+216	1,375,212 210,025
BM	126		125° -	-4°	4.0	-		-4.0		737.0		-72	+104	1,375,182 209,913

el. 737.
U.S.G.S 7WSM 1964

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource inc.

DATE 12/15/79	INSTRUMENT MAN G. Cotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY GHL	LINE NO. 4	PAGE 61
AREA Georgia	TOPO MAP Lexington	STATE Georgia	COUNTY Oglethorpe	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
									741.0						
731	0				5.9	-		-5.4		735.6	X	0	0	1,375,254	209,809
732	220		282° 53'	-4°	3.8	-		-3.8		737.2		+48	-215	1,375,302	209,594
733	440		" "	"	2.5	-		-2.5		738.5		+95	-430	1,375,349	209,379
734	660		" "	"	0.7	-		-0.7		740.3		+143	-644	1,375,397	209,165
735	740		282° 11.8'	-4°	3.3	TH	+3.7	+0.4		741.4		+151	-724	1,375,405	209,085
735	880		282° 53'	-4°	2.3	TH	+4.4	+2.1		743.1		+202	-856	1,375,456	208,953

horiz. correct y = +24;
x = -22

1,375,405 + 209,085 (N)
T-rod (southeast)

E.O.L.