

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-4451

Geosource Inc. Client-COCORP

DATE 6-15-78	INSTRUMENT MAN <i>F. Cotcamp</i>	ROD MAN <i>R. Hulsey</i>	PARTY NUMBER 6834	NOTES CHECKED BY <i>G.W.C.</i>	LINE NO 1	PAGE 1 of 224
AREA GEORGIA	TOPO MAP <i>Helen 7 1/2'</i>	STATE <i>Georgia</i>	COUNTY <i>White</i>	TWP	RANGE	PPM
				PARTY MANAGER <i>L.O. Davis</i>		

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.	
BM				-1°45'						1392.6	BM			1,699,650 636,170 1,699,650 + 636,170 (scaled)
	106		23°23.3' +180°	-1.75°	+14.4	-		+14.4	1407.0		BS	-99-3	-39+3	J.S.G.S. 3JWM 1950
	106				+12.6	91°-	+1.8	+14.4			BS			sl. 1392.6
TP	530		185°35'	-1.75°	10.4	88°-	+18.5	+8.1		1415.1	TP	-529-2	-35+2	1,699,017 636,101
TP	530				14.4	87°37'	+22.5	+8.1			TP			
	738		21°13' +180°	-1.75°	+10.3	88°-	-25.7	-15.4	1399.7		BS	-696-2	-246+2	
	738				+4.8	88°26'	-20.2	-15.4			BS			
I=	1055		223°13.7'	-1.75°	6.4	89°-	+18.4	+12.0			TP	-790-2	-699+3	1,697,527 635,161 T-intersect.
I=	1055				12.6	88°40'	+24.5	+11.9		1411.6	TP			
	1080		230°8.3' -180°	-1.75°	9.0	-		+9.0	1420.6		BS	-920-3	+566-3	Note: 1957 Topos do not show new
	1080				14.5	7H	-5.4	+9.1			BS			road
	710		329°29'	-1.75°	12.2	BH	-3.6	-15.8		1404.8		+600	-379	1,697,204 635,351
sta. 1	660		327°48'	-1.75°	12.5	BH	-3.3	-15.8		1404.8		+547	-369	1,697,151 635,361
2	440		" "	-1.75°	100	BH	-2.2	-12.2		1408.4		+365	-246	1,696,969 635,484
3	220		325°18'	-1.75°	8.8	-		-8.8		1411.8		+177	-131	1,696,781 635,599
4	0				5.3	-		-5.3		1415.3	π	0	0	1,696,604 635,730
5	220		136°09'	-1.75°	2.6	-		-2.6		1418.0		-154	+157	1,696,450 635,887
6	440		134°16'	-1.75°	2.1	TH	+2.2	+0.1		1420.7		-297	+324	1,696,307 636,054
7	652		131°37.6'	-1.75°	6.0	89°-	+11.4	+5.4		1426.0	TP	-418-2	+500+3	1,696,184 636,233 shooting interior of
7	652				2.2	89°20'	+7.6	+5.4			TP			curve

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DATE 5/15/78	INSTRUMENT MAN S. Coicamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 2
AREA Georgia	TOPO MAP Holon	STATE Georgia	COUNTY White	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.	
				-1°45'						1426.0	7			
	657		288°56.4'-180°	7.75	+8.5	91°-	+11.5	+20.0	1446.0		BS	-194.3	+628.3	
	657				+4.3	90°30'	+5.7	+20.0		BS				
8	440		287°01'	-1.75°	10.0	91°-	-7.7	-17.7		1428.3		+116	-424	1,696,103 636,440
9	220		289°46'	-1.75°	9.0	91°-	-3.8	-12.8		1433.2		+50	-214	1,696,037 636,650
10	0				5.3	-		-5.3		1440.7	TP	0	0	1,695,987 636,864
11	220		86°31.3'	-1.75°	3.2	88°-	+7.7	+4.5		1450.5		+20	+219	1,696,007 637,083
12	440	439	" "	-1.75°	5.1	87°-	+23.0	+17.9		1463.9		+40	+437	1,696,027 637,301
13	660	659	" "	-1.75°	1.6	87°-	+34.5	+32.9		1478.9		+60	+656	1,696,047 637,520
14	880	879	" "	-1.75°	4.0	86°40'	+51.0	+47.0		1493.0		+80	+875	1,696,067 637,739
15	1160	1098	86°31.3'	-1.75°	7.7	86°40'	+63.9	+56.2			TP	+100-2	+1093+2	1,696,085 637,959
15	1100				14.1	86°20'	+70.2	+56.1		1502.1	TP			
	440		279°30'-180°	-1.75°	+10.0	-		+10.0	1512.1		BS	-59.3	+436.3	
	440				+7.8	8H	+2.2	+10.0		BS				
16	220		279°30'	-1.75°	4.9	-		-4.9		1507.2		+30	-218	1,696,053 638,180
17	0				5.3	-		-5.3		1506.8	TP	0	0	1,696,023 638,398
18	50		91°19'	-1.75°	4.9	-		-4.9		1507.2		0	+50	1,696,023 638,448 Y-intersect. (north)
18	220		108°15.5'	-1.75°	8.8	-		-8.8		1503.3		-63	+211	1,695,960 638,609
19	433		116°36.3'	-1.75°	14.1	8H	-2.2	-16.3		1495.8	TP	-182-2	+393+3	1,695,839 638,794 curve
19	433				13.8	90°20'	-2.5	-16.3			TP			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE				
6/15/78		G. Cotcamp		R. Hulsey		6834		G.W.C.			1	3				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
Georgia		Helen		Georgia		White					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	
19										1495.8	19			1,695,839	638,794	
	658		326°17.6'-180°	-1.75°	+4.3	89°-	-11.5	-7.2	1488.6		BS	-536-2	+382+3			Curve
	658				+6.2	88°30'	-13.4	-7.2		BS						
20	440		329°48'	-1.75°	2.1	TH	+2.2	+0.1		1488.7		+373	-233	1,695,674	638,946	
21	220		" "	-1.75°	3.3	-		-3.3		1485.3		+187	-116	1,695,488	639,063	
22	0				5.3	-		-5.3		1483.3	X	0	0	1,695,301	639,179	
23	220		149°33'	-1.75°	6.2	-		-6.2		1482.4		-186	+117	1,695,115	639,296	
24	440		146°46'	-1.75°	6.4	-		-6.4		1482.2		-205	+143	1,695,096	639,322	T-intersect. (north)
25	560		149°33'	-1.75°	7.8	-		-7.8		1480.8		-372	+234	1,694,929	639,413	
26	660		148°17'	-1.75°	8.6	-		-8.6		1480.0		-467	+309	1,694,834	639,488	T-rd (west) Swiss Colony Rd.
27	880		149°33'	-1.75°	9.6	-		-9.6		1479.0		-558	+352	1,694,743	639,531	
28	880		" "		6.4	BH	-4.4	-10.8		1477.8		-745	+469	1,694,556	639,648	
29	1100		" "		7.0	BH	-5.5	-12.5		1476.1		-931	+586	1,694,370	639,765	
29	1320		" "		7.4	BH	-6.6	-14.0		1474.6		-1117	+703	1,694,184	639,882	
29	1540		149°45.7'		8.4	BH	-7.7	-16.1		1472.5	TP	-1306-2	+816+3	1,693,993	639,998	
29	1540				14.2	90°04'	-1.8	-16.0			TP					
	1100		336°34.3'-180°		+3.5	TH	-5.5	-2.0	1470.5		BS	-995-3	+68+3			
	1100				+4.5	89°40'	-6.4	-1.9		BS						
30	880		337°32'		3.7	TH	+4.4	+0.7		1471.2		+803	-361	1,693,798	640,108	
31	660		" "		0.8	-		-0.8		1469.7		+602	-271	1,693,597	640,198	
32	440		" "		2.5	-		-2.5		1468.0		+401	-180	1,693,396	640,289	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
6/15/78		G. Co. Camp		R. Hulsey		6834		C.W.C.		1	4			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Helen		Georgia		White						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.	
									1470.5					
33	220		337°32'	-1.75°	4.0	-		-4.0		1466.5		+201	-90	1,692,196 640,379
34	0				5.3	-		-5.3		1465.2		0	0	1,692,995 640,469
35	220		152°06'	-1.75°	8.6	-		-8.6		1461.9		-191	+109	1,692,804 640,578
36	440		150°38'	-1.75°	9.7	91°-	-7.7	-17.4		1453.1		-377	+227	1,692,618 640,696
37	657		148°8.5'	-1.75°	13.4	91°30'	-17.2	-30.6		1439.9	TP	-547.2	+364+3	1,692,446 640,836 curve
37	657				11.5	91°40'	-19.0	-30.5			TP			
	1100	1099	309°57.5'-180°	-1.75°	+2.4	88°-	-38.4	-36.0	1403.9		BS	-680.2	+864+3	
	1100				+5.7	87°50'	-41.6	-35.9			BS			
38	880		308°36'	-1.75°	5.8	88°30'	+23.0	+17.2		1421.1		+528	-704	1,692,292 640,999
39	660		" "	-1.75°	3.4	TH	+3.3	-0.1		1403.8		+396	-528	1,692,160 641,175
40	440		" "	-1.75°	8.4	-		-8.4		1395.5		+269	-352	1,692,028 641,351
41	220			-1.75°	8.9	-		-8.9		1395.0		+132	-176	1,691,896 641,527
42	0				5.3	-		-5.3		1398.6	X	0	0	1,691,764 641,708
42	45		113°54'	-1.75°	4.4	-		-4.4		1399.5		-17	+92	1,691,747 641,745 jeep trail (se)
43	220		128°26'	-1.75°	1.2	TH	+1.1	-0.1		1403.8		-131	+176	1,691,633 641,879
44	440		" "	-1.75°	2.8	88°-	+15.3	+12.5		1416.4		-263	+353	1,691,501 642,056
45	660	659	" "	-1.75°	0.7	87°-	+34.5	+33.8		1437.7		-397	+528	1,691,370 642,231
46	880	878	128°26'	-1.75°	7.4	86°-	+61.2	+53.8		1457.7	TP	-525.2	+707+3	1,691,237 642,410
46	880				0.8	86°26'	+54.6	+53.8			TP			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6/15/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Helen		Georgia		White								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
46										1457.7	46				
	440		308°39'-180°	-1.75°	+138	91°30'	+11.5	+25.3			BS	-266-2	+350+3		
	440				+99	92°-	+15.3	+25.2	1482.9		BS				
47	220		308°59'	-1.75°	8.3	-		-8.3		1474.6		+133	-175	1,691,102 642,588	
48	0				5.3	-		-5.3		1477.6	TP	0	0	1,690,969 642,763	
49	105		121°46'	-1.75°	3.8	-		-3.8		1479.1		-53	+91	1,690,916 642,854 rd. (east)	
49	220		129°-	-1.75°	3.4	-		-3.4		1479.5		-133	+175	1,690,836 642,938	
50	440		129°-	-1.75°	0.8	-		-0.8		1482.1		-266	+350	1,690,703 643,113	
51	658		131°03'	-1.75°	13.1	88°-	+23.0	+9.9		1492.8	TP	-417-2	+509+3	1,690,550 643,275	
51	658				7.3	88°30'	+17.2	+9.9			TP				
	220		339°35'-180°	-1.75°	+11.7	92°-	+7.7	+19.4			BS	-209-2	+83+3		
	220				+14.2	91°20'	+5.1	+19.3	1512.1		BS				
52	0				5.3	-		-5.3		1506.8	TP	0	0	1,690,344 643,361	
53	220		178°39'	-1.75°	2.9	87°-	+11.5	+8.6		1520.7		-220	+12	1,690,124 643,373	
54	435		186°58'	-1.75°	2.9	86°50'	+24.0	+21.1		1533.2		-433	-40	1,689,911 643,319	
55	655		190°13'	-1.75°	4.8	86°50'	+36.1	+31.3		1543.4		-648	-96	1,689,696 643,265	
56	770		190°38'	-1.75°	4.3	87°-	+40.2	+35.9		1548.0		-761	-119	1,689,583 643,242 T-rd (southwest)	
56	872	871	191°15.3'	-1.75°	5.1	87°-	+45.6	+40.5			TP	-860-2	-144+3	1,689,482 643,222 shooting thru curve	
56	872				10.2	86°40'	+50.6	+40.4		1552.5	TP				
	430		343°53'-180°	-1.75°	+14.6	91°-	+7.5	+19.1	1571.6		BS	-409-2	+132+3	shooting interior of sharp curve	
	430				+14.1	90°40'	+5.0	+19.1			BS			VRH	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6/15/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1	6						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Georgia		Helen		Georgia	White					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 +	EAST +	COORDINATES		REMARKS	
												SOUTH -	WEST -	Y	X		
												LAT.	DEP.				
									1571.6								
57	220		335°12'	-1.75°	8.1	91°	-3.8	-11.9		1559.7		+197	-98	1,689,267	643,259		
58	0				5.3	-		-5.3		1566.3	X	0	0	1,689,070	643,357		
58	180		128°29'	-1.75°	2.7	-		-2.7		1568.9		-108	+144	1,688,962	643,501	T-rd. (south)	
59	220		130°37'	-1.75°	1.0	-		-1.0		1570.6		-138	+171	1,688,932	643,528		
60	430		119°21.7'	-1.75°	1.4	89°30'	+3.8	+2.4		1574.0	TP	-199-3	+381+3	1,688,868	643,741	sharp curve	
60	430				5.1	89°	+7.5	+2.4			TP						
	440		276°23.2'-180°	-1.75°	+6.1	89°	-7.7	-1.6		1572.4	BS	-36-3	+439+3				
	440				5.9	88°30'	-11.5	-1.6			BS						
61	220		276°23.2'	-1.75°	2.3	89°	+3.8	+1.5		1573.9		+18	-219	1,688,947	643,964		
62	0				5.3	-		-5.3		1567.1	X	0	0	1,688,829	644,183		
63	220			-1.75°	9.2	92°	-7.7	-16.9		1555.5	TP	-57-3	+212+3	1,688,769	644,398		
63	220		106°51.3'		13.0	91°	-3.8	-16.8			TP						
	218	217	311°47'-180°		+2.7	86°	-15.1	-12.4		1543.1	BS	-137-3	+168+3				
	218		310°59'-180°	-1.75°	+4.0	85°40'	-16.4	-12.4			BS						
64	0				5.3	-		-5.3		1537.8	X	0	0	1,688,629	644,569		
65	220	219	150°35'	-1.75°	12.3	99°	-15.3	-27.6		1515.5	TP	-187-3	+113+3	1,688,439	644,685		
65	220				14.8	93°20'	-12.8	-27.6			TP						
	218		359°10.4'-180°		1						TP						
	218	217	359°10.4'-180°	-1.75°	+4.2	84°	-22.7	-18.5		1497.0	BS	-217-3	+10+3			curve	
	218				+2.3	84°30'	-20.8	-18.5			BS					✓RH	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6/16/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1	7					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER				
Georgia				Georgia		White						L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									1497.0							
1F	190	189	9°17'	-1.75°	3.5	89°-	+19.8	+16.3		1513.3		+189	+8	1,688,408	644,706	T-rd (east)
66	0				5.3	-		-5.3		1491.7	TP	0	0	1,688,219	644,698	
67	218	217	200°10'	-1.75°	5.7	95°-	-18.9	-24.6			TP	-206-3	-69+2	1,688,010	644,632	curve
67	218				13.4	93°-	-11.4	-24.8		1472.3	TP					
	220	219	33°23.2'+180°	-1.75°	+6.2	86°-	-15.3	-9.1		1463.2	BS	-186-3	-115+3			
	220				+2.4	87°	-11.5	-9.1			BS					
68	0				5.3	-		-5.3		1457.9	TP	0	0	1,687,821	644,520	
69	220		227°53'	-1.75°	8.5	92°-	-7.7	-16.2		1447.0		-152	-159	1,687,649	644,361	
70	440	439	231°56'	-1.75°	4.8	93°-	-23.0	-27.8		1435.4		-281	-337	1,687,540	644,183	
71	656	655	233°43.1'	-1.75°	13.1	92°-	-22.9	-36.0		1427.2	TP	-403-3	-516+2	1,687,415	644,007	
71	656				9.3	92°20'	-26.7	-36.0			TP					
	430		28°14'+180°	-1.75°	+9.8	-		+9.8		1437.0	BS	-385-3	-192+3			shooting interior of curve
	430				+12.0	TH	-2.2	+9.8			BS					
72	220		19°20'	-1.75°	7.8	91°-	-3.8	-11.6		1425.4		+210	+66	1,687,237	643,884	
73	0				5.3	-		-5.3		1431.7	TP	0	0	1,687,027	643,818	
74	220		173°26'	-1.75°	3.5	89°-	+3.8	+0.3		1437.3		-218	+32	1,686,809	643,850	
75	432		164°273'	-1.75°	2.7	89°-	+7.5	+4.8			TP	-412-3	+128+2	1,686,612	643,749	
75	432				*5.3	88°40'	+10.0	+4.7		1441.7	TP					
	438		329°29.6'-180°	-1.75°	+12.1	88°-	+15.3	-3.2		1438.5	BS	-370-3	+234+3			
	438				+14.6	87°40'	-17.8	-3.2			BS					

VRH

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
6/16/78		G. Lotcomp		R. Hulsey		6834		G.W.C.		1	8			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Helen 7 1/2'		Georgia		White						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.	
									1438.5					
76	220		329°30'	-1.75°	5.0	88°	+7.7	+2.7		1441.2		+186	-117	1,686,425 644,069
77	0				5.3	-		-5.3		1433.2	X	0	0	1,686,239 644,186
	98		149°32'	-1.75°	10.0	-		-10.0		1428.5		-83	+52	1,686,156 644,238 T-rd. (Laurel Ridge ^{500'})
78	220		161°20.7'	-1.75°	7.4	93°	-11.5	-18.9		1419.6		-206	+77	1,686,033 644,263
79	440	439	" "	-1.75°	8.1	93°	-23.0	-31.1		1407.4		-411	+153	1,685,828 644,339
80	660	659	" "	-1.75°	2.0	93°	-34.5	-36.5		1402.0		-618	+230	1,685,621 644,416
81	880	879	" "	-1.75°	6.5	92°	-30.7	-37.2		1401.3		-824	+306	1,685,415 644,492
82	1100		" "	-1.75°	5.2	91°30'	-28.8	-34.0		1404.5		-1031	+384	1,685,208 644,570
83	1320		" "	-1.75°	7.0	90°40'	-15.4	-22.4		1416.1		-1237	+460	1,685,002 644,646
84	1540		" "	-1.75°	8.0	-		-8.0		1430.5		-1443	+537	1,684,796 644,723
85	1760		" "	-1.75°	2.2	TH	+8.8	+6.6		1445.1		-1650	+614	1,684,589 644,800
86	1980		" "	-1.75°	8.8 8.6	86°39'	+34.6	+26.0		1464.5		-1856	+690	1,684,383 644,876
87	2200	2199	" "	-1.75°	9.0	88°30'	+57.6	+48.6		1487.1		-2061	+767	1,684,178 644,953
88	2420	2419	" "	-1.75°	4.0	88°20'	+70.3	+66.3		1504.8		-2267	+843	1,683,972 645,029
89	2640	2639	161°20.7'	-1.75°	1.5	88°20'	+76.7	+75.2		1513.7	TP	-2473-2	+920+2	1,683,764 645,109
89	2640				4.5	88°16'	+79.8	+75.3			TP			
	660	659	341°23.4' -180°	-1.75°	+14.7	87°18'	-31.0	-16.3			BS	-618-2	+229+3	
	660				+13.9	87°22'	-30.3	-16.4	1497.3		BS			
90	440	439	341°23.4'	-1.75°	6.0	87°	+23.0	+17.0		1514.3		+412	-153	1,683,556 645,188 ✓RH
11	262		343°20.6'	-1.75°	2.3	87°	+13.7	+11.4		1508.7		+249	-83	1,683,393 645,258 Frd. (east)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6/16/78	INSTRUMENT MAN G. Co Camp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 9
AREA Georgia	TOPO MAP Helen/Leaf 7 1/2	STATE Georgia	COUNTY White	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									1497.3					
91	220		341°23.4'		2.0	87°-	+11.5	+9.5		1506.8		+206	-77	1,683.3 645,264
92	0				5.3	-		-5.3		1492.0	X	0	0	1,683.1 645,341
93	220		150°51'		7.8	93°-	-11.5	-19.3		1478.0		-189	+113	1,682.9 645,454 last station in Helen quad.
94	490	439	" "		4.7	93°-	-23.0	-27.7		1469.6		-377	+225	1,682.7 645,566 1st. sta. in Leaf quad.
94	625		150°48'		10.1	92°-	-21.8	-31.9		1465.4		-536	+321	1,682.6 645,662 T-rd (west)
95	660		150°51'		9.9	92°-	-23.0	-32.4		1464.9		-566	+339	1,682.5 645,680
96	880	879	" "		6.0	92°-	-30.7	-36.7		1460.6		-754	+451	1,682.3 645,792
97	1100	1099	150°51'		2.4	92°-	-38.4	-40.8		1456.5	TP	-943.3	+564.2	1,682,198 645,903
97	1100				12.0	91°30'	-28.8	-40.8			TP			
	1320	1319	329°59.5'-180°		+19.7	88°16'	-40.0	-25.3	1431.2		BS	-1120.3	+696.3	
	1320				+13.1	88°20'	-38.4	-25.3			BS			
98	1100		329°59.5'		7.5	88°30'	+28.8	+21.3		1452.5		+934	-580	1,682,008 646,027
99	880		" "		6.1	88°30'	+23.0	+16.9		1448.1		+748	-464	1,681,822 646,193
100	660		" "		4.9	88°30'	+17.3	+12.4		1443.6		+561	-348	1,681,635 646,259 T-rd (east)
100	500		" "		4.2	88°30'	+13.0	+8.8		1440.0		+425	-264	1,681,499 646,343
101	490		" "		4.3	88°30'	+11.5	+7.2		1438.4		+374	-232	1,681,448 646,375
102	220		" "		4.4	88°30'	+5.8	+1.4		1432.6		+187	-116	1,681,261 646,491
103	0				5.3	-		-5.3		1425.9	X	0	0	1,681,074 646,607
104	220		152°2'		8.2	91°-	-3.8	-12.0		1419.2		-191	+109	1,680,883 646,716
105	440		" "		4.0	92°-	-15.3	-19.3		1411.9		-382	+218	1,680,692 646,825 ✓RH

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
6/16/78		G. CoTcamp		R. Hulsey		6834				1	10				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Georgia				Georgia		White					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1431.2						
106	660		153° 7'	-1.75°	4.4	92°	-23.0	-27.4		1403.8		-579	+316	1,689,995	646,923
107	880	879		-1.75°	5.3	92°	-30.7	-36.0		1395.2	TP	-779.3	+407.8	1,689,922	647,017
107	880		154° 10.2'	-1.75°	14.9	91° 22'	-21.0	-35.9			TP				
	436		344° 59.8' + 80°	-1.75°	+2.5	88°	-15.2	-12.7	1382.5		BS	-417.3	+126.3		curve
	436				+6.4	87° 30'	-19.0	-12.6			BS				
108	220		351° 43'	-1.75°	3.6	88°	+7.7	+4.1		1386.6		+217	-38	1,680,089	647,108
109	0				5.3	-		-5.3		1377.2	TP	0	0	1,679,872	647,146
110	220		189° 5'	-1.75°	8.3	-		-8.3		1374.2		-218	-29	1,679,654	647,117
111	430		201° 7'	-1.75°	1.9	-		-1.9		1380.6	TP	-406.3	-143.3	1,679,963	647,006
111	430				4.0	TH	+2.2	-1.8			TP				sharp curve
	660	659	35° 35.7' + 180°	-1.75°	+14.6	92° 20'	+26.8	+41.4	1422.0		BS	-547.3	-367.3		
	660				+12.7	92° 30'	+28.8	+41.5			BS				
112	440		35° 35.7'	-1.75°	8.4	92° 30'	-19.2	-27.6		1394.4		+365	+245	1,679,278	646,887
113	220		" "	-1.75°	8.5	91° 30'	-5.8	-14.3		1407.7		+183	+123	1,679,096	646,765
114	0				5.3	-		-5.3		1416.7	TP	0	0	1,678,913	646,642
115	220		215° 26.8'	-1.75°	3.3	89°	+3.8	+0.5		1422.5		-183	-122	1,678,730	646,520
115	309		212° 32.6'	-1.75°	2.2	89°	+5.4	+3.2		1425.2		-265	-158	1,678,648	646,484
116	440		215° 26.3'	-1.75°	3.7	89°	+7.7	+4.0		1426.0	TP	-366.3	-244	1,678,550	646,398
116	440				11.3	88°	+15.3	+4.0			TP				#00.
												✓ RH			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6/16/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 10-T
AREA Georgia	TOPO MAP Leaf	STATE Georgia	COUNTY White	TWP	RANGE	PPM
PARTY MANAGER L.O. Davis						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
4-way										1426.0				1,678,648	616,484	
	562	561	263°42.3'-180°	-1.75°	+7.4	87°-	-29.4	-22.0	1404.0		BS	+78	+556			1157116 4-way Intersect (RT 225)
	562				+5.1	87°A'	-27.0	-21.9			BS					
TP	1310	1309	61°31'	-1.75°	8.9	92°-	-45.7	-54.6			TP	+659	+1131	1,679,385	648,171	vertical + horizontal traverse from 4-way Intersect (Sta. 115-116) to U.S.G.S bench mark 1/2 mile easterly
TP	1310				14.3	91°46'	-40.4	-54.7	1349.3		TP					
	1335		242°56.7'-180°	-1.75°	+10.3	91°-	+23.3	+33.6	1382.9		BS	+643	+1170			
	1335				+19.3	90°50'	+19.4	+33.7			BS					
TP	900		61°37.7'	-1.75°	4.8	88°30'	+23.6	+18.8	1401.7		TP	+452	+778	1,680,480	650,119	
TP	900				14.2	87°34'	+33.0	+18.8			TP					
	840		246°37'-180°	-1.75°	+13.2	-		+13.2	1414.9		BS	+364	+757			
	840				+9.0	BH	+4.2	+13.2			BS					
BM	0				5.4	-		-5.4	1409.5		TP	0	0	1,680,844	650,876	U.S.G.S 30 JWM 1950 el. 1409.1 X=650,876 y=1,680,843 (U.S.G.S horizontal control data) correction y = -108' x = -122'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6/17/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1		11				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Leaf		Georgia		White								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
116										1426.0	116			1,678,550	646,398	
	438	437	20°10' +180°	-1.6°	+6.0	86°	-30.5	-24.5	1401.5		BS	-414.4	-139			
	438				+3.4	86°20'	-28.0	-24.6			BS					
117	220	219	15°16'	-1.6°	3.1	86°	+15.3	+12.2		1413.7		+213	+52	1,678,353	646,311	
118	0				5.3	-		-5.3		1396.2	TP	0	0	1,678,140	646,259	
119	220	219	181°4.7'	-1.6°	7.8	94°	-15.3	-23.1		1378.4		-219	+2	1,677,921	646,261	
120	440	439	" "	-1.6°	3.8	94°	-30.6	-34.4		1367.1		-439	+4	1,677,701	646,263	
121	660	659	181°4.7'	-1.6°	7.1	93°	-34.5	-41.6		1359.9	TP	-659.3	+6	1,677,484	646,265	
121	660				14.8	92°20'	-26.8	-41.6			TP					
	220		12°7' +180°	-1.6°	+2.2	89°	-3.8	-1.6	1358.3		BS	-216.3	-40			
	220				+6.0	88°	-7.7	-1.7			BS					
122	0				5.3	-		-5.3		1353.0	TP	0	0	1,677,271	646,225	
123	220		212°37.2'	-1.6°	10.8	-		-10.8		1347.5	TP	-189.3	-113	1,677,085	646,112	
123	220				11.9	TH	+1.1	-10.8			TP					
	656		55°12.1' +180°	-1.6°	+2.0	89°	-11.4	-9.4	1338.1		BS	-389.3	-528			curve
	656				+13.5	88°	-22.9	-9.4			BS					
124	440		56° -	-1.6°	3.7	89°	+7.7	+4.0		1342.1		+256	+358	1,676,955	645,942	
125	220		51°14'	-1.6°	1.7	-		-1.7		1336.4		+142	+168	1,676,841	645,752	
126	0				5.3	-		-5.3		1332.8	TP	0	0	1,676,699	645,584	
127	220		212°7'	-1.6°	3.4	-		-3.4		1334.7		-190	-112	1,676,509	645,472	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE: 6/17/78		INSTRUMENT MAN: G. Cotcamp		ROD MAN: R. Hulsey		PARTY NUMBER: 6284		NOTES CHECKED BY: G.W.C.		LINE NO: 1	PAGE: 12					
AREA: Georgia		TOPO MAP: Leaf		STATE: Georgia		COUNTY: Wilcox		TWP:		RANGE:	PPM:	PARTY MANAGER: G.O. 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-	EAST+ WEST-		Y	X
									1338.1							
128	433		203°53.4'	-1.6°	6.8	88°-	+15.1	+8.3		1346.4	TP	-401.3	-164	1,676,301	645,420	
128	433				1.8	88°40'	+10.0	+8.2			TP					
	654	653	353°53.7'-180°	-1.6°	7.24	93°-	+34.2	+46.6	1393.0		BS	-648.3	+88			curve
	654				14.3	92°50'	+32.3	+46.6			BS					
129	440	439	351°29'	-1.6°	8.7	93°-	-23.0	-31.7		1361.3		+432	-77	1,676,088	645,431	
130	230		349°50'	-1.6°	9.6	92°-	-7.7	-17.3		1375.7		+215	-45	1,675,871	645,463	
131	2				5.3	-		-5.3		1387.7	X	0	0	1,675,656	645,508	
132	220		150°56'	-1.6°	4.1	88°-	+7.7	+3.6		1396.6		-189	+112	1,675,467	645,620	
133	437		149°10'	-1.6°	2.8	88°-	+15.2	+12.4		1405.4		-347	+266	1,675,309	645,774	
134	654		141°58.3'	-1.6°	2.5	88°-	+22.8	+20.3		1413.3	TP	-504.4	+417	1,675,156	645,925	S-curve
134	654				6.3	87°40'	+26.6	+20.3			TP					
	434		335°27.6'-180°	-1.6°	+12.0	91°-	+7.6	+19.6	1432.9		BS	-390.3	+191			curve
	434				14.6	90°40'	+5.0	+19.6			BS					
135	220		343°40'	-1.6°	6.8	91°-	-3.8	-10.6		1422.3		+209	-68	1,674,978	646,048	
136	0				5.3	-		-5.3		1427.6	X	0	0	1,674,769	646,116	
137	120		162°8'	-1.6°	3.0	-		-3.0		1429.9		-113	+40	1,674,656	646,156	4-way Intersect Frd (west)
137	220		" "	-1.6°	2.3	-		-2.3		1430.6		-207	+73	1,674,562	646,189	
138	440		" "	-1.6°	2.0	TH	+2.2	+0.2		1433.1		-415	+147	1,674,354	646,263	
139	660		" "	-1.6°	0.1	TH	+3.3	+3.2		1436.1		-622	+220	1,674,147	646,336	
140	880		" "	-1.6°	4.3	89°-	+15.4	+11.1		1444.0		-830	+293	1,673,939	646,409	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-44'S

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6/17/78		G. Cotcamp		R. Hulsey		6834		G.W.C		1	13						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
Georgia		Leaf	Georgia	White					L.O. Davis								
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									1432.9								
141	1100		162° 8'	-1.6°	7.3	88°30'	+28.8	+21.5		1454.4		-1037	+367	1,673,732	646,483		
142	1320		167°56.7'	-1.6°	8.2	88°30'	+34.5	+26.3		1459.2	TP	-1283.3	+312	1,673,489	646,428		
142	1320				14.4	88°41'	+40.7	+26.3			TP						
	1100		346°53'-180°	-1.6°	+8.6	-		+8.6	1467.8		BS	-1060.4	+294.1				
	1100				+3.1	BH	+5.5	+8.6			BS						
143	880		345°48'	-1.6°	6.0	BH	-4.4	-10.4		1457.4		+847	-240	1,673,280	646,481		
144	660		349°52'	-1.6°	5.1	91°-	-11.5	-16.6		1451.2		+632	-190	1,673,065	646,531		
145	440		343°29'	-1.6°	7.3	92°-	-15.3	-22.6		1445.2		+418	-137	1,672,851	646,584		
146	220	219	341° 9'	-1.6°	9.3	92°30'	-9.6	-18.9		1448.9		+205	-77	1,672,638	646,644		
147	0				5.3	-		-5.3		1462.5	TP	0	0	1,672,933	646,721		
148	220	219	151°45'	-1.6°	4.1	86°-	+15.3	+11.2		1479.0		-190	+109	1,672,243	646,830		
149	440	439	149°20.8'	-1.6°	6.8	86°-	+30.6	+23.8		1491.6	TP	-372.3	+235.1	1,672,064	646,955		
149	440				0.5	86°30'	+24.3	+23.8			TP						
	1540		317°41'-180°	-1.6°	+10.7	91°-	+26.9	+37.6	1529.2		BS	-1101.3	+1077.4				
	1540				+14.3	90°52'	+23.3	+37.6			BS						
150	1320		316°49'	-1.6°	6.7	91°-	-23.0	-29.7		1499.5		+937	-930	1,671,903	647,101		
151	1100		" "	-1.6°	6.4	91°-	-19.2	-25.6		1503.6		+781	-775	1,671,747	647,256		
152	880		" "	-1.6°	5.7	91°20'	-20.5	-26.2		1503.0		+625	-620	1,671,591	647,411		
153	660		" "	-1.6°	8.8	91°20'	-15.4	-24.2		1505.0		+468	-465	1,671,434	647,566		
154	440		" "	-1.6°	9.3	91°-	-7.7	-17.0		1512.2		+312	-310	1,671,278	647,721		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource, Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6/17/78		G.C. Kemp		R. Hulsey		6834		G.W.C.		1		14			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Helen Leaf		Georgia		White								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1529.2						
155	220		316° 49'	-1.6°	9.3			-9.3		1519.9		+156	-155	1,671,122	647,876
≡	82		324° 6'	-1.6°	6.0			-6.0		1523.2		+65	-50	1,671,031	647,981 T-rod (west)
156	0				5.3			-5.3		1523.9	TP	0	0	1,670,966	648,031 ✓
IF	100		130° 53.4'	-1.6°	4.5			-4.5		1524.7		-63	+77	1,670,903	648,108 T-rod (east)
157	220		" "	-1.6°	5.0			-5.0		1524.2		-139	+170	1,670,827	648,201
158	440		136° 43'	-1.6°	9.3			-9.3		1519.9		-312	+310	1,670,654	648,341
159	660		139° 44'	-1.6°	13.2	84°	-3.3	-16.5		1512.7	TP	-492.4	+440	1,670,478	648,470 = 0.0
159	660				12.7	90° 20'	-3.8	-16.5			TP				
	1540	1539	332° 42.5' - 180°	-1.6°	+14.0	88° 30'	-40.3	-26.3	1486.4		BS	-1347.3	+744		
	1540				+12.2	88° 34'	-38.5	-26.3			BS				
160	1320		332° 42.5'	-1.6°	2.9	89° -	+23.0	+20.1		1506.5		+1156	-638	1,670,290	648,575
161	1100		" "	-1.6°	4.5	89° -	+19.2	+14.7		1501.1		+963	-531	1,670,097	648,682
162	880		" "	-1.6°	5.6	89° -	+15.4	+9.8		1496.2		+770	-425	1,669,904	648,788
163	660		" "	-1.6°	5.7	89° -	+11.5	+5.8		1492.2		+578	-319	1,669,712	648,894
164	440		" "	-1.6°	4.8	89° -	+7.7	+2.9		1489.3		+385	-213	1,669,519	649,000
165	220		" "	-1.6°	0.7	-		-0.7		1485.7		+193	-106	1,669,327	649,107
166	0				5.3			-5.3		1481.1	TP	0	0	1,669,134	649,213
167	220		152° 55'	-1.6°	9.7	-		-9.7		1476.7		-193	+106	1,668,941	649,319
168	440		" "	-1.6°	7.4	91° -	-7.7	-15.1		1471.3		-386	+211	1,668,748	649,424
169	660		" "	-1.6°	6.9	91° -	-11.5	-18.4		1468.0		-579	+317	1,668,555	649,530

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
6/19/78		G. Catcamp		R. Hulsey		6834		G.W.C.		1	15				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Georgia		Leaf	Georgia	White					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
									1486.4						
170	880		152° 55'	-1.6°	2.1	91°	-15.4	-17.5		1468.9		-772	+422	1,668,362	649,635
171	1100		" "	-1.6°	9.9	84	-5.5	-15.4		1471.0		-965	+528	1,668,169	649,741
172	1320		152° 55'	-1.6°	5.3	90° 30'	-11.5	-16.8		1469.6		-1158	+634	1,667,976	649,847
173	1540		151° 52'	-1.6°	10.3	90° 30'	-13.4	-23.7		1462.7	TP	-1337.3	+764.1	1,667,800	649,976
173	1540				14.7	90° 20'	-9.0	-23.7			TP				
	1540	1539	319° 46.2' - 180°	-1.6°	+14.4	88° 26'	-42.1	-27.7	1435.1		BS	-1147.4	+1026.1		
	1540				+10.1	88° 36'	-37.6	-27.5	27.6		BS				
174	1320		319° 46.2'	-1.6°	6.9	89°	+23.0	+16.1		1451.2		+984	-880	1,667,641	650,121
174	1170		319° 38'	-1.6°	13.3	89°	+20.4	+7.1		1442.2		+870	-782	1,667,527	650,219
175	1100		319° 46.2'	-1.6°	2.4	TH	+5.5	+3.1		1438.2		+820	-734	1,667,477	650,267
176	880		" "	-1.6°	4.2	-	-	-4.2		1430.9		+656	-587	1,667,313	650,414
177	660		" "	-1.6°	7.3	-	-	-7.3		1427.8		+492	-440	1,667,149	650,561
178	440		" "	-1.6°	7.3	-	-	-7.3		1427.8		+328	-293	1,666,985	650,708
179	220		" "	-1.6°	6.3	-	-	-6.3		1428.8		+164	-147	1,666,821	650,854
180	0				5.3	-	-	-5.3		1429.8		0	0	1,666,657	651,001
181	220		146° 24'	-1.6°	3.9	-	-	-3.9		1431.2		-180	+127	1,666,477	651,128
182	440		" "	-1.6°	2.9	-	-	-2.9		1432.2		-360	+254	1,666,297	651,255
183	660		148° 7'	-1.6°	2.4	-	-	-2.4		1432.7		-550	+364	1,666,167	651,365
184	880		149° 34'	-1.6°	2.8	-	-	-3.8		1431.3	TP	-746.3	+467.1	1,665,914	651,467
184	880				8.2	TH	+4.4	-3.8			TP				

T-rd (east)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6/19/78		G. Cotcamp		R. Hulsey		6834				1		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Leaf		Georgia		White								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
184										1431.3					
	880		332° 14' - 180°	-1.6°	+6.2	89°	-15.4	-9.2	1922.1		BS	-767+3	+432-1		
	880				+14.8	88° 26'	-24.1	-9.3			BS				
185	660		332° 14'	-1.6°	4.4	89°	+11.5	+7.1		1429.2		+575	-324	1,665,725 651,574	
186	440		" "	-1.6°	3.6	89°	+7.7	+4.1		1426.2		+383	-216	1,665,533 651,682	
187	220		" "	-1.6°	0.4	-		-0.4		1421.7		+192	-108	1,665,342 651,790	
188	0				5.3	-		-5.3		1416.8	X	0	0	1,665,150 651,898	
Δ	60		37° 37.6'	-1.6°	2.3	-		-2.3		1419.8		+49'	+35	1,655,199 651,933	
BM	150		125° 39'	-1.6°	6.4	-		-6.4		1415.7	BM	-84	+124	1,665,066 652,022	
189	220		154° 8'	-1.6°	6.8	91°	-3.8	-10.6		1411.5		-195	+101	1,664,955 651,999	
190	440		" "	-1.6°	8.9	91°	-7.7	-16.6		1405.5		-390	+203	1,664,760 652,101	
≡	653		153° -	-1.6°	7.8	91°	-11.4	-19.2		1402.9		-573	+313	1,664,577 652,211	
191	656		154° 8'	-1.6°	8.2	91°	-11.4	-19.6		1402.5		-582	+303	1,664,568 652,201	
192	860		155° 18.2'	-1.6°	11.1	-		-11.1		1411.0	TP	-771-1	+381-2	1,664,378 652,277	
192	860				6.8	TH	-4.3	-11.1			TP				
	220		355° 42.5' - 180°	-1.6°	+11.3	-		+11.3	1422.3		BS	-219-1	+23-2		
	220				+12.4	TH	-1.1	+11.3			BS				
193	0				5.3	-		-5.3		1417.0	X	0	0	1,664,158 652,298	
194	220		161° 30.3'	-1.6°	7.4	91°	-3.8	-11.2		1411.1		-207	+76	1,663,951 652,374	
≡	278		161° 37'	-1.6°	13.2			-13.2		1409.1		-261	+95	1,663,897 652,393	
195	440		161° 30.3'	-1.6°	2.8	92°	-15.3	-18.1		1409.2		-413	+151	1,663,745 652,449	

horiz. connection x = -1' y = +65'
 x = 651,933.3 y = 1,665,199
 D.O.T. Survey Station BV 194-201
 el. 1415.9
 USC+G.S. R126 1934

cl. 1404.
 offset 4-Way (RT. 115)

Frd (southwest)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6/19/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		17				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Leaf		Georgia		White								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
									1422.3					1,664,158	652,298	
196	660		161° 30.3'	-1.6°	11.2	91°	-11.5	-22.7		1399.6	TP	-620-1	+227-2	1,663,537	652,523	
196	660				14.7	90° 42'	-8.1	-22.8			TP					
	880		330° 53'-180°	-1.6°	+4.7	89°	-15.4	-10.7	1388.9		BS	-757-1	+449-2			
	880				+14.9	88° 20'	-25.6	-10.7			BS					
197	660		330° 53'	-1.6°	5.9	89°	+11.5	+5.6		1394.5		+567	-337	1,663,346	652,633	
198	440		" "	-1.6°	1.0	TH	+2.2	+1.2		1390.1		+378	-225	1,663,157	652,745	
199	220		" "	-1.6°	2.7			-2.7		1386.2		+189	-112	1,662,968	652,858	
200	0				5.3			-5.3		1383.6	X	0	0	1,662,779	652,970	
201	220		150° 36'	-1.6°	8.0			-8.0		1380.9		-169	+113	1,662,610	653,083	
202	440		" "	-1.6°	9.0	BH	-2.2	-11.2		1377.7		-377	+227	1,662,402	653,197	
203	660		" "	-1.6°	2.4	91°	-11.5	-13.9		1375.0		-566	+340	1,662,213	653,310	
204	880		" "	-1.6°	11.0	BH	-4.4	-15.4		1373.5		-754	+453	1,662,025	653,423	
205	1100		" "	-1.6°	3.8	90° 30'	-9.6	-13.4		1375.5		-943	+567	1,661,836	653,537	
205	1317		150° 01'	-1.6°	0.5	BH	-6.6	-7.1		1381.8		-1122	+690	1,661,657	653,660	T-rd el. 1382.
206	1320		151° 17.7'	-1.6°	8.2	-		-8.2		1380.7	TP	-1140	+666	1,661,638	653,636	F.O.A.
206	1320				14.8	TH	+6.6	-8.2			TP					
	430		289° 33.2'-180°	-1.6°	+13.5	-		+13.5	1394.2		BS	-133-1	+409-2			shooting across offset
	430				+11.4	BH	+2.2	+13.6			BS					intersection
207	217		297° 30'	-1.6°	9.3	-		-9.3		1384.9		+95	-195	1,661,599	653,848	
207	40		19° -	-1.6°	3.8	-		-3.8		1390.4		+38	+12	1,662,516	654,055	T-intersect.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6/21/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1	18						
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
Georgia		Leaf		Georgia	White				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		
208	0				5.3	-		-5.3		1388.9	X	0	0	1,661,504	654,043		
209	220		148°40'	-1.6°	4.2	-		-4.2		1390.0		-185	+120	1,661,319	654,163		
210	440		" "	-1.6°	7.2	-		-7.2		1387.0		-369	+239	1,661,135	654,282		
211	660		" "	-1.6°	7.8	84	-3.3	-11.1		1383.1		-554	+359	1,660,950	654,402		
212	880		" "	-1.6°	7.2	90°30'	-7.7	-14.9		1379.3		-739	+478	1,660,765	654,521		
213	1100		148°40'	-1.6°	8.8	90°30'	-9.6	-18.4	1389.1	1375.8	TP	-923-1	+598-2	1,660,580	654,639		
213	1100				12.9	84	-5.5	-18.4		TP							
	1320				+13.3	-	+13.3			BS			-1094-1	+739-2			
	1320		327°32.7'180°	-1.6°	+6.8	84	+6.6	+13.4			BS						
214	1100		327°32.7'	-1.6°	5.8	90°30'	-9.6	-15.4		1373.7		+911	-616	1,660,396	654,760		
215	880		" "	-1.6°	9.2	90°30'	-7.7	-16.9		1372.2		+729	-493	1,660,214	654,883		
216	660		" "	-1.6°	4.5	91°30'	-17.3	-21.8		1367.3		+547	-370	1,660,032	655,006		
217	440		" "	-1.6°	7.9	92°-	-15.3	-23.2		1365.9		+365	-246	1,659,850	655,130		
218	220		" "	-1.6°	8.4	92°-	-7.7	-16.1		1373.0		+182	-123	1,659,667	655,253		
219	0				5.3	-		-5.3		1383.8	X	0	0	1,659,485	655,376		
220	220		130°40'	-1.6°	2.0	-		-2.0		1387.1		-139	+171	1,659,346	655,547		
221	373		129°42'	-1.6°	4.5	-		-4.5		1384.6		-230	+294	1,659,255	655,670	T-rd (southwest) el. 1385.	
221	440		130°40'	-1.6°	5.8	-		-5.8		1383.3		-277	+342	1,659,208	655,718		
222	660		130°40'	-1.6°	9.9	-		-9.9	1379.2	1379.2	TP	-416-1	+512-2	1,659,068	655,886		
222	660				13.2	TH	+3.3	-9.9		TP							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6/21/78		G. Coats		R. J. H.		682		R. J. H.		1		19				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Leaf		Georgia		Wilkes								J. J. H.		
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
222	880		310°6' - 180°	-1.6°	+1.3	-		+1.3	1380.5			-548-1	+689-2	1,659,068	655,886	
	880				+5.7	TH	-4.4	+1.3								
223	660		310°6'	-1.6°	5.7	-		-5.7		1374.8		+411	-517	1,658,930	656,056	
224	440		" "	-1.6°	8.7	-		-8.7		1371.8		+274	-344	1,658,793	656,229	
225	220		" "	-1.6°	8.2	-		-8.2		1372.3		+137	-172	1,658,656	656,401	
226	0				6.3	-		-5.3		1375.2		0	0	1,658,519	656,573	
227	220		134°22'	-1.6°	0.9	-		-0.9		1379.6		-149	+162	1,658,370	656,735	
228	437		141°6.2'	-1.6°	5.2	89°-	+7.6	+2.4		1382.9	TP	-332-1	+284-2	1,658,186	656,855	curve
228	437				2.6	89°20'	+5.1	+2.5			TP					
	1980		328°20' - 180°	-1.6°	+10.8	91°-	+34.6	+45.4	1428.3		BS	-1156-1	+1086-2			
	1980				+14.3	90°54'	+31.1	+45.4			BS					
229	1760		328°20'	-1.6°	6.4	91°30'	-35.8	-42.2		1386.1		+1472	-965	1,658,001	656,974	
230	1540		" "	-1.6°	7.7	91°30'	-31.4	-39.1		1389.2		+1288	-845	1,657,817	657,094	
231	1320		" "	-1.6°	6.0	91°20'	-30.7	-36.7		1391.6		+1104	-724	1,657,633	657,215	
	1250		328°34'	-1.6°	5.8	91°20'	-29.1	-34.9		1393.4		+1048	-681	1,657,577	657,258	Y-intersect. c/k
232	1100		328°20'	-1.6°	3.7	91°30'	-28.8	-32.5		1395.8		+920	-603	1,657,449	657,336	
233	880		" "	-1.6°	6.2	91°30'	-23.0	-29.2		1399.1		+736	-483	1,657,265	657,456	
234	660		" "	-1.6°	8.3	91°30'	-17.3	-25.6		1402.7		+552	-362	1,657,081	657,577	
235	440		" "	-1.6°	8.0	91°30'	-11.5	-19.5		1408.8		+368	-241	1,656,897	657,698	
236	220		" "	-1.6°	6.8	91°-	-3.8	-10.6		1417.7		+184	-121	1,656,713	657,818	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6/21/78		G. Cotcamp		R. Hulsey		6834		R/H		1	20					
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER						
Georgia		Leaf	Georgia	White						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.		Y	X
237	0				5.3	-		-5.3		1423.0	TP	0	0	1,656,529	657,939	
238	220		128° 9'	-1.6'	7.3	-		-7.3		1421.0		-131	+177	1,656,398	658,116	
239	440		125° 21'	-1.6'	9.0	BH	-2.2	-11.2		1417.1		-244	+364	1,656,285	658,305	
240	660		123° 57'	-1.6'	8.6	-		-8.6		1419.7		-353	+558	1,656,176	658,497	
241	880		122° 17.4'	-1.6'	3.9	-		-3.9		1424.4	TP	-449.1	+757.2	1,656,079	658,694	
241	880				8.3	TH	+4.4	-3.9			TP					
	880		288° 3.7' - 180°	-1.6'	+10.8	BH	+4.4	+15.2		1439.6	BS	-249	+844.2			
	880				+13.6 90° 06'	+390° 06'	+1.5	+15.1			BS					
	695		288° 25'	-1.6'	13.0	-		-13.0		1426.6		+201	-665	1,656,031	658,871	T-rd c/1 (southwest)
242	660		288° 3.7'	-1.6'	12.5	-		-12.5		1427.1		+187	-633	1,656,017	658,903	
243	440		"	-1.6'	8.2	BH	-2.2	-10.4		1429.2		+125	-422	1,655,955	659,114	
244	220		"	-1.6'	7.9	-		-7.9		1431.7		+62	-211	1,655,892	659,325	
245	0				5.3	-		-5.3		1434.3		0	0	1,655,830	659,536	
246	220		111° 12'	-1.6'	3.7	-		-3.7		1435.9		-74	+207	1,655,756	659,743	
247	440		116° 7.2'	-1.6'	5.3	-		-5.3		1434.3	TP	-183	+400.2	1,655,647	659,934	
247	440				7.5	TH	+2.2	-5.3			TP					
	1100	1099	306° 36' - 180°	-1.6'	+24	87° 40'	-44.7	-42.3		1392.0	BS	-630	+900.2			
	1100				+5.7	87° 30'	-47.9	-42.2			BS					
248	880	879	306° 54'	-1.6'	4.9	87° 30'	+38.4	+33.5		1425.5		+508	-717	1,655,525	669,115	
249	660		306° -	-1.6'	4.1	88°	+23.0	+18.9		1410.9		+373	-545	1,655,390	660,287	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6/21/78		G. Cotcamp		R. Hulsey		6834		R/H		1		21				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Leaf		Georgia		White								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									1372.0							
250	585		305°46'	-1.6°	5.8	88°-	+20.4	+14.6		1406.6		+329	-484	1,655,346	660,348	T-rd c/1 (southwest)
251	440		304°30'	-1.6°	7.1	88°-	+15.3	+8.2		1400.2		+239	-369	1,655,256	660,463	
252	220		303°39'	-1.6°	6.0	88°-	+7.7	+1.7		1393.7		+116	-187	1,655,133	660,645	
253	0				5.3	-		-5.3		1386.7	π	○	○	1,655,017	660,832	
254	220		117°43'	-1.6°	7.5	92°-	-7.7	-15.2		1376.8		-95	+199	1,654,922	661,031	
255	440		" "	-1.6°	8.6	92°-	-15.3	-23.9		1368.1		-189	+397	1,654,828	661,229	
256	660		" "	-1.6°	2.8	92°-	-23.0	-25.8		1366.2		-284	+596	1,654,733	661,428	
257	880		" "	-1.6°	5.6	91°20'	-20.5	-26.1		1365.9		-378	+794	1,654,639	661,626	
258	1100		" "	-1.6°	3.1	91°20'	-25.6	-28.7		1363.3		-473	+993	1,654,544	661,825	
259	1320		" "	-1.6°	3.8	91°20'	-30.7	-34.5		1357.5		-568	+1192	1,654,449	662,024	
259	1540		117°43'	-1.6°	7.1	91°20'	-35.8	-42.9		1349.1	π	-662	+1390	1,654,355	662,220	
259	1540				14.2	91°04'	-28.7	-42.9			π					
	440	439	298°21'-180°	-1.6°	+2.6	87°-	-23.0	-20.4	1328.7		BS	-198	+392-2			
	440				+1.3	87°0'	-21.7	-20.4			BS					
260	220		298°21'	-1.6°	2.1	87°-	+11.5	+9.4		1338.1		+99	-196	1,654,256	662,414	
261	0				5.3	-		-5.3		1323.4	π	○	○	1,654,157	662,610	
262	220	219	123°53'	-1.6°	4.5	99°-	-15.3	-19.8		1308.9		-117	+185	1,654,040	662,795	
263	440	439	127°30'	-1.6°	12.2	93°-	-23.0	-35.2		1293.5	π	-257	+356-2	1,653,900	662,964	
263	440		" "		14.7	92°0'	-20.4	-35.1			π					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6/21/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 22
AREA Georgia	TOPO MAP Leaf / Clarksville 7 1/2'	STATE Georgia	COUNTY White / Habersham	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
263										1293.5						
	440	439	322° 11.3' - 180°	-1.6°	+7.3	85° 40'	-33.1	-25.8	1267.7		BS	-339	+279	1,653,900	662,964	last sta. in Leaf quad.
	440				+8.6	85° 30'	-34.4	-25.8			BS					
264	220	219	325° 37'	-1.6°	4.7	86° -	+15.3	+10.6		1278.3		+177	-129	1,653,738	663,112	1st sta. in Clarksville quad.
265	0				5.3			-5.3		1262.4	X	0	0	1,653,561	663,241	
266	220		151° 25'	-1.6°	8.8	93° -	-11.5	-20.3		1247.4		-190	+111	1,653,371	663,352	
267	440	439	154° 37'	-1.6°	5.0	94° -	-30.6	-35.6		1232.1		-391	+199	1,653,170	663,440	
268	653	652	157° 43.3'	-1.6°	15.0	93° 06'	-35.3	-50.3		1217.4	TP	-596	+264	1,652,962	663,503	
268	653				14.2	93° 10'	-36.0	-50.2			TP					
	1540	1539	346° 8.6' - 180°	-1.6°	+5.7	88° 40'	-35.8	-30.1	1187.3		BS	-1483	+410			
	1540				+10.2	88° 30'	-40.3	-30.1			BS					
269	1320		346° 8.6'	-1.6°	8.6	89° -	+23.0	+14.4		1201.7		+1272	-352	1,652,754	663,559	
270	1100		" "	-1.6°	0.7	-		-0.7		1186.6		+1060	-293	1,652,542	663,618	
271	880		" "	-1.6°	9.0	84	-4.4	-13.4		1173.9		+848	-235	1,652,330	663,676	last sta. in White Co.
X	735		347° 06'	-1.6°	5.9	91° -	-12.8	-18.7		1168.6		+712	-184	1,652,194	663,727	on bridge S/L bridge
272	660		346° 8.6'	-1.6°	8.9	91° -	-11.5	-20.4		1166.9		+636	-176	1,652,118	663,735	1st sta. in Habersham Co.
273	440		" "	-1.6°	6.0	92° -	-15.3	-21.3		1166.0		+424	-117	1,651,906	663,794	
274	220		" "	-1.6°	8.0	92° -	-7.7	-15.7		1171.6		+212	-59	1,651,694	663,852	
275	0				5.3	-		-5.3		1182.0	X	0	0	1,651,482	663,911	
276	220		166° 5'	-1.6°	3.3	87° -	+11.5	+8.2		1195.5		-212	+59	1,651,270	663,970	
W	263		162° 57'	-1.6°	3.0	87° -	+13.7	+10.7		1198.0		-249	+84	1,651,233	663,995	trail (northeast) el. 1198.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6/22/78		G. Cotcamp		P. Hulsey		6834		GwC.		1		23			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia				Georgia		Habersham								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
									1187.3						
277	440	439	166°5'	-1.6°	2.8	87°	+23.0	+20.2		1207.5		-423	+117	1,651,059	664,028
278	660	659	" "	-1.6°	1.2	87°	+34.5	+33.3		1220.6		-635	+176	1,650,847	664,087
279	880	878	" "	-1.6°	7.6	86°30'	+53.6	+46.0		1233.3		-846	+235	1,650,636	664,146
280	1100	1098	" "	-1.6°	7.7	86°30'	+67.0	+59.3		1246.6		-1058	+294	1,650,424	664,205
281	1320	1318	165°26.7'	-1.6°	7.1	86°30'	+80.4	+73.3	}	1260.6	TP	-1266	+367.2	1,650,216	664,276
281	1320				3.3	86°40'	+76.6	+73.3		TP					
	650	649	324°14.4'-180°	-1.6°	+7.5	93°	+34.0	+41.5	}	1302.1	BS	-516	+394.2		Curve
	650				+14.0	92°26'	+27.6	+41.6		BS					
282	435	434	319°40'	-1.6°	6.7	93°	-22.7	-29.4		1272.7		+323	-290	1,650,023	664,378
283	220		315°18'	-1.6°	9.6	92°	-7.7	-17.3		1284.8		+152	-159	1,649,852	664,509
284	0				5.3	-		-5.3		1296.8	TP	0	0	1,649,700	664,668
285	220		124°22'	-1.6°	1.7	88°	+7.7	+6.1		1308.1		-119	+185	1,649,581	664,853
286	438	437	119° -	-1.6°	5.2	87°	+22.9	+17.7		1319.8		-201	+388	1,649,499	665,056
287	654	653	119°13.6'	-1.6°	5.3	87°	+34.2	+28.9	}	1331.0	TP	-251	+603.2	1,649,449	665,269
287	654				1.5	87°20'	+30.4	+28.9		TP					
	880		281°19.2'-180°	-1.6°	+5.6	93°	+46.0	+51.6	}	1382.6	BS	-148	+866.2		
	880	879			+13.3	92°30'	+38.4	+51.7		BS					
288	660	659	281°19.2'	-1.6°	6.7	93°	-34.5	-41.2		1341.4		+111	-650	1,649,412	665,483
289	440	439	" "	-1.6°	6.1	93°	-23.0	-29.1		1353.5		+74	-433	1,649,375	665,700
290	220		" "	-1.6°	9.9	92°	-7.7	-17.1		1365.5		+37	-217	1,649,338	665,916

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
6/22/78		G. Cotkamp		R. Hulsey		6834		G.W.C.		9	24			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
Georgia		Clarksville		Georgia		Habersham						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.	
									1382.6					
291	0				5.3	-		-5.3		1377.3	X	0	0	1,649,301 666,133
292	220		110°45'	-1.6°	1.9	88°	+7.7	+5.8		1388.4		-72	+208	1,649,229 666,341
293	440	439	113°29.4'	-1.6°	6.3	87°	+23.0	+16.7		1399.3	TP	-164	+407.2	1,649,137 666,538
293	440				2.5	87°30'	+19.2	+16.7			TP			
	660		307°32.6'-180°	-1.6°	+9.8	91°	+11.5	+21.3	1420.6		BS	-387	+534.2	
	660				+14.8	90°39'	+6.5	+21.3			BS			
294	440		307°32.6'	-1.6°	6.1	91°	-7.7	-13.8		1406.8		+258	-356	1,649,008 666,714
294	250		310°58'	-1.6°	8.9	-		-8.9		1411.7		+159	-193	1,648,909 666,877 Y-Intersect. (southeast)
295	220		307°32.6'	-1.6°	8.4	-		-8.4		1412.2		+129	-178	1,648,879 666,892
296	0				5.3	-		-5.3		1415.3	X	0	0	1,648,750 667,070
297	220		127°52'	-1.6°	1.8	-		-1.8		1418.8		-130	+177	1,648,620 667,297
298	440		" "	-1.6°	0.9	TH	+2.2	+1.8		1422.4		-260	+355	1,648,490 667,425
299	660		" "	-1.6°	6.6	89°	+11.5	+4.9		1425.5		-390	+532	1,648,360 667,602
300	880		" "	-1.6°	6.7	89°	+15.4	+8.7		1429.3		-521	+710	1,648,229 667,780
301	1100		128°17.5'	-1.6°	7.7	89°	+19.2	+11.5		1432.1	TP	-657	+882	1,648,093 667,950
301	1100				1.3	89°20'	+12.8	+11.5			TP			
	440		325°36.6'-180°	-1.6°	+4.9	-		+4.9	1437.0		BS	-356	+259	
	440				+7.1	TH	-2.2	+4.9			BS			
302	220		329°18'	-1.6°	3.6	-		-3.6		1433.4		+186	-118	1,647,923 668,091
302	118		338°6'	-1.6°	3.4	-		-3.4		1433.6		+108	-47	1,647,845 668,162 4-Way Intersect. el. 1434.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6/22/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulse	PARTY NUMBER 6837	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 25
AREA Georgia	TOPO MAP Clarksville	STATE Georgia	COUNTY Macon	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.	
									1437.0					
303	0				5.3	-		-5.3		1431.7	TP	0	0	1,647,737 668,209
304	220		154° 8.6'	-1.6	9.0	-		-9.0		1428.0		-195	+101	1,647,542 668,310
305	440		" "	-1.6	6.3	91°-		-7.7 -14.0		1423.0		-390	+203	1,647,347 668,412
306	660		" "	-1.6°	7.3	91°-		-11.5 -18.8		1418.2		-586	+304	1,647,151 668,513
307	880		" "	-1.6°	7.9	91°-		-15.4 -23.3		1413.7		-781	+406	1,646,956 668,615
308	1100		154° 8.6'	-1.6°	7.9	91°-		-19.2 -27.1		1409.9	TP	-976	+507	1,646,761 668,716
308	1100				14.3	90°40'		-12.8 -27.1			TP			
	655		314° 46.6' -180°	-1.6°	+3.1	89°-		-11.4 -8.3	1401.6		BS	-448	+478	Curve
	655				+1.2	89°10'		-9.5 -8.3			BS			
309	440		310° 57'	-1.6°	4.0	89°-		+7.7 +3.7		1405.3		+279	-340	1,646,592 668,854
310	220		307° 32'	-1.6°	1.0	-		-1.0		1400.6		+129	-178	1,646,442 669,016
311	0				5.3	-		-5.3		1396.3	TP	0	0	1,646,343 669,194
312	220		119° -	-1.6°	7.6	91°-		-3.8 -11.4		1390.2		-101	+195	1,646,212 669,389
313	440		" "	-1.6°	7.6	91°-		-7.7 -15.3		1386.3		-202	+391	1,646,111 669,585
314	660		" "	-1.6°	8.0	91°-		-11.5 -19.5		1382.1		-304	+586	1,646,009 669,780
315	880		120° 57'	-1.6°	9.0	91°-		-15.4 -24.4		1377.2	TP	-431	+767	1,645,882 669,961
315	880				14.1	90°40'		-10.2 -24.3			TP			
	440		316° 45' -180°	-1.6°	+9.4	88°-		-15.3 -5.9	1371.3		BS	-312	+310	
	440				+4.1	88°42'		-10.0 -5.9			BS			
317	417		318° 35'	-1.6°	8.8	88°-		+14.5 +5.7		1377.0		+305	-284	1,645,875 669,987 Travel (southeast) el. 1378.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
6/22/78		G. Cotcamp		F. H. Wray		6834		G.W.C.		1		26		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Clarksville		Georgia		Habersham						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.	
									1371.3					
316	220		316° 45'	-1.6°	3.2	89°	+3.8	+0.6		1371.9		+156	-155	1,645,728 670,116
317	0				5.3	-		-5.3		1366.0	X	0	0	1,645,570 670,271
318	220		144° 5'	-1.6°	9.2	84	-1.1	-10.3		1361.0		-174	+134	1,645,394 670,905
319	440		" "	-1.6°	8.5	91°	-7.7	-16.2		1355.1		-354	+262	1,645,216 670,533
320	660		" "	-1.6°	4.2	91° 30'	-17.3	-21.5		1349.8		-523	+402	1,645,047 670,673
321	880		" "	-1.6°	4.3	91° 30'	-23.0	-27.3		1344.0		-698	+536	1,644,872 670,807
322	1100		144° 5'	-1.6°	4.9	91° 30'	-28.8	-33.7		1337.6	TP	-872	+670	1,644,698 670,941
322	1100				14.5	91°	-19.2	-33.7			TP			
	657		328° 2.6' - 180°	-1.6°	+4.0	88°	-22.9	-18.9			BS	-548	+363	curve
	657				+7.9	87° 40'	-26.7	-18.8		1318.8	BS			
323	440		330° 44'	-1.6°	3.0	88°	+15.3	+12.3		1331.1		+378	-226	1,644,528 671,078
	335		333° 2'	-1.6°	2.5	88°	+11.7	+9.2		1328.0		+294	-160	1,644,444 671,144 T-rd (east)
324	220		" "	-1.6°	3.3	88°	+7.7	+4.4		1323.2		+193	-165	1,644,348 671,199
325	0				5.3	-		-5.3		1313.5	X	0	0	1,644,150 671,304
326	220		157° 46'	-1.6°	7.7	92°	-7.7	-15.4		1303.4		-201	+89	1,643,949 671,393
327	440		162° 20'	-1.6°	7.8	92° 20'	-17.9	-25.7		1293.1		-415	+145	1,643,735 671,449
328	660		163° 51'	-1.6°	8.0	92°	-23.0	-31.0		1287.8		-629	+251	1,643,528 671,505
	725		163° 20'	-1.6	7.4	92°	-25.3	-32.7		1286.1		-688	+227	1,643,462 671,531 T-rd (north)
329	880	879	164° 50'	-1.6°	2.1	92°	-30.7	-32.8		1286.0		-842	+254	1,643,308 671,558
330	1100		165° 20'	-1.6°	8.1	91°	-19.2	-27.3		1291.5		-1056	+308	1,643,094 671,612

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6/22/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1		27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Clarksville		Georgia		Habersham								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
									1318.8						
331	1320		165°18'	-1.6°	7.9	90°30'	-11.5	-19.4		1299.4		-1267	+370	1,642,883	671,674
332	1540		164°32.3'	-1.6°	12.3	-		-12.3		1306.5	TP	-1472	+452	1,642,678	671,756
332	1540				4.7	BH	-7.7	-12.4			TP				
	1096		329°46.1-180°	-1.6°	+14.1	91°30'	+28.7	+42.8			BS	-931	+578		Curve
	1096				+11.0	91°40'	+31.9	+42.9		1349.4	BS				
333	880	879	328°26'	-1.6°	5.4	92°-	-30.7	-36.1		1313.3		+736	-481	1,642,883	671,853
334	660		327°20'	-1.6°	5.9	92°-	-23.0	-28.9		1320.5		+545	-372	1,642,292	671,962
335	440		" "	-1.6°	6.9	92°-	-15.3	-22.2		1327.2		+364	-248	1,642,111	672,086
336	220		" "	-1.6°	7.0	92°-	-7.7	-14.7		1334.7		+182	-124	1,641,929	672,210
337	0				5.3	-		-5.3		1344.1	TP	0	0	1,641,747	672,334
338	220	219	146°47.3'	-1.6°	6.7	86°-	+15.3	+8.6		1358.0		-180	+125	1,641,567	672,459
339	440	439	" "	-1.6°	6.9	86°-	+30.6	+23.7		1373.1		-360	+251	1,641,387	672,585
340	660	658	" "	-1.6°	7.1	86°-	+45.9	+38.8		1388.2		-540	+376	1,641,207	672,710
341	880	878	146°47.3'	-1.6°	6.7	86°20'	+56.2	+49.5		1398.9	TP	-721	+501	1,641,026	672,835
341	880				11.8	86°-	+61.2	+49.4			TP				
	660		327°18'-180°	-1.6°	+10.4	89°30'	-5.8	+4.6		1403.5	BS	-545	+372		
	660				14.1	89°10'	-9.6	+4.5			BS				
342	440		327°18'-180°	-1.6°	1.9	TH	+2.2	+0.3		1403.8		+363	-248	1,640,844	672,959
343	223		330°21'	-1.6°	0.1	TH	+1.1	+1.0		1404.5		+191	-115	1,640,672	673,092
343	220		327°18'	-1.6°	0.3	TH	+1.1	+0.8		1404.3		+182	-124	1,640,663	673,083

(Mod Creek) d. 140488
 4-Way Intersect
 1,640,660 + 673,070 (scaled)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6/22/78		G. Cotcamp		R. Hulsey		6834		G.w.C.		1		28				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Clarksville		Georgia		Habersham								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
									1403.5						Correct - y=13' x=59'	
B.M.	185		346°56'	-1.6°	2.5	89°-	+3.2	+0.7		1404.2		+179	-47	1,640,660	673,160	B.M. could not be located-
344	0				5.3	-		-5.3		1398.2	π	0	0	1,640,481	673,207	chained location from control data.
345	220		146°26.6'	-1.6°	9.0	92°-	-7.7	-16.7		1386.8		-180	+127	1,640,301	673,334	
346	440	439	" "	-1.6°	5.7	93°-	-23.0	-28.7		1374.8		-359	+253	1,640,122	673,460	
347	660	659	" "	-1.6°	6.0	93°-	-34.5	-40.5		1363.0		-539	+379	1,639,942	673,586	
348	880	879	" "	-1.6°	3.8	93°-	-46.0	-49.8		1353.7		-719	+506	1,639,782	673,713	
349	1075	1074	145°56'	-1.6°	9.6	92°30'	-46.8	-56.4		1347.1		-873	+627	1,639,608	673,834	T-rd (s.w.)
349	1100	1099	146°26.6'	-1.6°	15.0	92°10'	-41.6	-56.6		1346.9	TP	-895	+638	1,639,586	673,845	F.O.D.
349	1100				13.8	92°14'	-42.8	-56.6			TP					
	440		312°15.3'-180°	1.8°	+4.8	88°-	-15.3	-10.5			BS	-285+3	+335+2			
	440			1.8°	+1.1	88°30'	-11.5	-10.4	1336.5		BS					
350	220		309°28'	-1.8°	4.9	88°-	+7.7	+2.8		1339.3		+134	-174	1,639,438	674,008	
351	0				5.3	-		-5.3		1331.2	π	0	0	1,639,304	674,182	
352	220		115°34'	-1.8°	7.1	91°30'	-5.8	-12.9		1323.6		-89	+201	1,639,215	674,383	
353	440		113°10'	-1.8°	7.4	91°30'	-11.5	-18.9		1317.6		-160	+410	1,639,144	674,592	
354	445		111°51'	-1.8°	11.8	91°-	-7.8	-19.6		1316.9		-153	+418	1,639,151	674,600	Trail (s.w.)
354	656		109°55.4'	-1.8°	10.8	91°-	-11.4	-22.2		1314.3	TP	-204+3	+623+2	1,639,103	674,807	curve
354	656				14.7	90°40'	-7.6	-22.3			TP					
	660		283°1.3'-180°	-1.8°	+10.1	91°-	+11.5	+21.6	1335.9		BS	-128+3	+647+2			
	660				+14.7	90°36'	+6.9	+21.6			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6/26/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1		29				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Clarksville/Baldwin		Georgia		Habersham								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
									1335.9							
355	440		283°13'	-1.8°	9.0	91°10'	-9.0	-18.0		1317.9		+86	-432	1,639,061	675,024	
356	220		" "	-1.8°	8.8	BH	-1.1	-9.9		1326.0		+43	-216	1,639,021	675,240	
357	0				5.3	-		-5.3		1330.6	X	0	0	1,638,978	675,456	
358	220		110°42'	-1.8°	3.3	-		-3.3		1332.6		-71	+208	1,638,907	675,664	Frd (n.e.)
358	220		" "	-1.8°	3.3	-		-3.3		1332.6		-71	+208	1,638,907	675,664	
359	440		116°57'	-1.8°	6.2	-		-6.2		1329.7	TP	-187+3	+398+2	1,638,794	675,856	
359	440				4.0	BH	-2.2	-6.2			TP					
	1540	1539	316°40'-180°	-1.8°	+2.5	88°40'	-35.8	-33.3		1296.4	BS	-1086+3	+1091+2			
	1540				+9.6	88°24'	-43.0	-33.4			BS					
360	1320		316°40'	-1.8°	9.0	88°30'	+34.5	+25.5		1321.9		+931	-936	1,638,642	676,013	
361	1100		" "	-1.8°	6.0	89°	+19.2	+13.2		1309.6		+776	-780	1,638,487	676,169	
362	880		" "	-1.8°	3.9	TH	+4.4	+0.5		1296.9		+621	-624	1,638,332	676,325	
363	660		" "	-1.8°	8.2	-		-8.2		1288.2		+466	-468	1,638,177	676,481	
364	440		" "	-1.8°	9.3	BH	-2.2	-11.5		1284.9		+310	-312	1,638,021	676,637	
365	220		" "	-1.8°	8.8	BH	-1.1	-9.9		1286.5		+155	-156	1,637,866	676,793	
366	0				5.3	-		-5.3		1291.1	X	0	0	1,637,711	676,949	
367	220		136°46'	-1.8°	0.3	-		-0.3		1296.1		-155	+156	1,637,556	677,105	last sta in Clarksville Quad.
367	440		134°55'	-1.8°	3.0	89°	+7.7	+4.7		1301.1		-301	+321	1,637,410	677,270	Frd (s.w.)
368	440		136°46'	-1.8°	3.0	89°	+7.7	+4.7		1301.1		-311	+311	1,637,400	677,260	1st sta in Baldwin Quad.
369	660		" "	-1.8°	2.6	89°	+11.5	+8.9		1305.3		-466	+467	1,637,245	677,416	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6/26/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1	30						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Georgia		Baldwin		Georgia	Habersham					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 +	EAST +	COORDINATES		REMARKS	
												SOUTH -	WEST -	Y	X		
												LAT.	DEP.	Y	X		
									1296.4								
370	880		136°46'	-1.8°	1.8	89°-	+15.4	+13.6		1310.0		-622	+623	1,637,089	677,572		
371	1100		" "	-1.8°	6.1	88°40'	+25.6	+19.5		1315.9		-777	+778	1,636,934	677,727		
372	1320		136°46'	-1.8°	5.1	88°40'	+30.7	+25.6		1322.0		-933	+934	1,636,798	677,883		
373	1540	1539			5.1	88°40'	+35.8	+30.7			TP	-1066±3	+1110±2	1,636,648	678,061		
373	1540		135°38.4	-1.8°	14.0	88°20'	+44.8	+30.8		1327.2	TP						
	657		301°51'-180°	-1.8°	+12.7	TH	+3.3	+16.0	1343.2		BS	-329±3	+569±2			Curve	
	657				14.1	90°0'	+1.9	+16.0			BS						
374	440		300°17'	-1.8°	4.5	91°-	-7.7	-12.2		1331.0		+210	-387	1,636,532	678,245		
	425		301°21'	-1.8°	12.1	-		-12.1		1331.1		+210	-370	1,636,532	678,262	(new construction) 4-way Intersect.	
375	220		299°6'	-1.8°	7.9	-		-7.9		1335.3		+101	-195	1,636,423	678,437		
376	0				5.3	-		-5.3		1337.9	X	0	0	1,636,322	678,632		
377	220		112°16.2'	-1.8°	4.0	-		-4.0		1339.2		-77	+206	1,636,245	678,838		
378	440		" "	-1.8°	3.1	-		-3.1		1340.1		-154	+412	1,636,168	679,044		
379	660		" "	-1.8°	1.2	-		-1.2		1342.0		-231	+618	1,636,091	679,250		
380	880		" "	-1.8°	0.3	TH	+4.4	+4.1		1347.3		-308	+824	1,636,014	679,456		
381	1100		" "	-1.8°	6.8	89°-	+19.2	+12.4		1355.6		-385	+1031	1,635,937	679,663		
382	1320	1319	112°16.2'	-1.8°	9.7	88°30'	+34.5	+24.8		1368.0	TP	-461±3	+1236±1	1,635,864	679,869		
382	1320				3.6	88°46'	+28.4	+24.8			TP						
	440	439	301°54'-180°	-1.8°	+10.7	93°-	+23.0	+33.7	1401.7		BS	-220±3	+380±1				
	440				14.5	92°30'	+19.2	+33.7			BS						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6/26/78		G. Catamp		R. Hulsey		6834		G.W.C.		1	31						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
Georgia		Baldwin	Georgia	Habersham				L.C. 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		
									1401.7								
383	220		301°54'	-1.8°	8.2	93°-	-11.5	-19.7		1382.0		+110	-190	1,635,751	680,060		
384	0				5.3	-		-5.3		1396.4	X	0	0	1,635,647	680,250		
385	220		143°45.4'	-1.8°	5.8	87°-	+11.5	+5.7		1407.4		-173	+136	1,635,474	680,386		
386	440	439	" "	-1.8°	7.2	87°-	+23.0	+15.8		1417.5		-346	+271	1,635,301	680,521		
387	660	659	143°45.4'	-1.8°	11.2	87°-	+34.5	+23.3	}	1425.0	TP	-519+3	+406+1	1,635,131	680,657		
387	660				5.5	87°30'	+28.8	+23.3				TP					
	660		329°21.6'-180°	-1.8°	+8.6	-		+8.6	}	1433.6	BS	-557+3	+354+1				
	660				+5.3	BH	+3.3	+8.6				BS					
#	637		330°29'	-1.8°	7.9	-		-7.9		1425.7		+544	-331	1,635,121	680,681	4-way Intersect	
388	440		329°21.6'	-1.8°	5.3	-		-5.3		1428.3		+371	-236	1,634,948	680,776		
389	220		" "	-1.8°	4.3	-		-4.3		1429.3		+186	-118	1,634,763	680,894		
390	0				5.3	-		-5.3		1428.3	X	0	0	1,634,577	681,012		
391	220		143°9'	-1.8°	8.1	-		-8.1		1425.5		-172	+137	1,634,405	681,149		
392	440		140°45'	-1.8°	8.5	BH	-2.2	-10.7		1422.9		-332	+289	1,634,245	681,301		
393	655		137°56'	-1.8°	13.3	-		-13.3	}	1420.3	TP	-472+3	+454+1	1,634,108	681,467	Curve	
393	655				10.1	BH	-3.3	-13.4				TP					
	880		306°41.4'-180°	-1.8°	+3.3	-		+3.3	}	1423.6	BS	-503+3	+722+1				
	880				+7.7	JH	-4.4	+3.3				BS					
394	660		301°41.4'	-1.8°	6.5	-		-6.5		1417.1		+378	-541	1,633,986	681,649		
395	440		" "	-1.8°	7.0	-		-7.0		1416.6		+252	-361	1,633,860	681,829		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6/26/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1	33						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
R Georgia		Baldwin		Georgia	Habersham					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		
									1429.6								
408	657		217°24'	-1.8°	6.7	91°-	-11.5	-18.2		1411.4	TP	-534+4	-382+2	1,631,712	681,942	Curve	
408	657				14.9	81H	-3.3	-18.2			TP						
	220		9°49'+180°	-1.8°	+5.6	-		+5.6	1417.0		BS	-218+3	-28+1				
	220				6.7	7H	-1.1	+5.6			BS						
409	0				5.3	-		-5.3		1411.7	X	0	0	1,631,497	681,916		
410	220		173°7.2'	-1.8°	7.8	92°-	-7.7	-15.5		1401.5		-217	+33	1,631,280	681,949		
411	440	439	173°7.2'	-1.8°	8.1	93°-	-23.0	-31.1		1385.9	TP	-434+3	+166+1	1,631,066	681,983		
411	440				14.5	92°10'	-16.6	-31.1			TP						
	218	217	359°38.6'+180°	-1.8°	+6.2	86°-	-15.2	-9.0	1376.9		BS	-217+3	+8+1			Curve	
	218				+4.1	86°39'	-13.0	-8.9			BS						
412	0				5.3	-		-5.3		1376.6	X	0	0	1,630,852	681,992		
413	220		202°1'	-1.8°	13.9	91°48'	-6.9	-20.8		1356.1	TP	-206+3	-76+1	1,630,649	681,917		
413	220				14.9	91°32'	-5.9	-20.8			TP						
	220	219	10°51.7'+180°	-1.8°	+13.2	83°-	-26.6	-13.4	1342.7		BS	-216+4	-34+1				
	220				5.0	85°10'	-18.5	-13.5			BS						
414	0				5.3	-		-5.3		1337.4	X	0	0	1,630,437	681,884	in woods	
414	145		163°	-1.8°	6.0	85°-	+10.1	+4.1		1346.8		-137	+47	1,630,300	681,931	T-rd. (Rt. 23)	
415	220		168°31.3'	-1.8°	6.1	86°40'	+12.8	+6.7		1349.4	TP	-214+3	+51+1	1,630,226	681,936		
415	220				7.0	86°26'	+13.7	+6.7			TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6/26/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6837	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 32
AREA Georgia	TOPO MAP Baldwin	STATE Georgia	COUNTY Habersham	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			
									1423.6									
396	220		306° 41.4'	-1.8°	6.1	-		-6.1		1417.5		+126	-180	1,633,734	682,010			
397	0				5.3	-		-5.3		1418.3	X	0	0	1,633,608	682,190			
398	220		129° 57'	-1.8°	3.8	-		-3.8		1419.8		-136	+173	1,633,472	682,363			
399	440		134° 21'	-1.8°	2.7	-		-2.7		1420.9	TP	-298+4	+324+2	1,633,314	682,516			
399	440				4.9	TH	+2.2	-2.7			TP							
	480		326° 35' -180°	-1.8°	+7.5	-		+7.5	1428.4		BS	-392+4	+277+2					
	480				9.9	TH	-2.4	+7.5			BS							
400	260		326° 35'	-1.8°	6.3	-		-6.3		1422.1		+212	-150	1,633,137	682,645			
401	40		" "	-1.8°	5.3	-		-5.3		1423.1		+33	-23	1,632,958	682,772			
X	0				5.3	-		-5.3		1423.1	X	0	0	1,632,925	682,795			set up on corner of T-rd
402	180		229° 5'	-1.8°	3.8	87°-	+9.4	+5.6		1434.0		-133	-121	1,632,792	682,674			line jogs southwest
403	400		220° 33.6'	-1.8°	9.6	88°-	+14.0	+4.4		1432.8	TP	-312+3	-250+2	1,632,616	682,547			
403	400				13.1	87°30'	+17.4	+4.3			TP							
	440		32° 51.7' +180°	-1.8°	4.5	89°-	-7.7	-3.2	1429.6		BS	-377+3	-227+2					
	440				1.9	89°20'	-5.1	-3.2			BS							
404	220		32° 51.7'	-1.8°	1.3	-		-1.3		1428.3		+188	+114	1,632,430	682,436			
X	215		37° 27'	-1.8°	1.3	-		-1.3		1428.3		+175	+125	1,632,417	682,447			T-rd (Rt (north))
405	0				5.3	-		-5.3		1424.3	X	0	0	1,632,242	682,322			
406	220		219° 10'	-1.8°	9.0	BH	-1.1	-10.1		1419.5		-175	-134	1,632,067	682,188			
407	440		" "	-1.8°	7.8	91°-	-7.7	-15.5		1414.1		-350	-267	1,631,892	682,055			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO+445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6/27/78		C. Cotcamp		R. Hulsey		6834		G.W.C.		1		34			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Habersham/Banks		Georgia		Habersham								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
415										1349.4					
	660	659	345°232'-180°	-1.8°	+14.2	93°28'	+39.8	+54.0	1403.4		BS	-632.3	+186.1		
	660				+73.6	93°30'	+40.2	+54.0			BS				
416	440		345°23.2'	-1.8°	8.6	94°20'	-33.1	-41.7		1361.7		+422	-124	1,630,019	681,999
417	220		" "	-1.8°	6.0	94°	-15.3	-21.3		1382.1		+211	-62	1,629,808	682,061
418	0				5.3	-		-5.3		1398.1	X	0	0	1,629,597	682,123
419	220		156°56.7'	-1.8°	2.8	88°	+7.7	+4.9		1408.3		-200	+92	1,629,397	682,215
#	258		159°27'	-1.8°	3.3	88°	+9.0	+5.7		1409.1		-229	+119	1,629,368	682,242
BM	320		160°19'	-1.8°	9.8	88°	+11.2	+1.4		1404.8	Bm	-298	+117	1,629,299	682,240
=/	325		156°56.7'	-1.8°	5.8	88°	+11.3	+5.5		1408.9		-295	+137	1,629,302	682,261
420	440		156°56.7'	-1.8°	10.4	88°	+15.3	+4.9			TP	-399	+185-2	1,629,198	682,306
420	410			-1.8°	6.5	88°30'	+11.5	+5.0		1408.4	TP				
	440		341°51'-180°	-1.8°	+8.5	89°	-7.7	+0.8	1409.2		BS	-414	+150		
	440				+3.0	TH	-2.2	+0.8			BS			-2	
421	220		341°51'	-1.8°	1.9	-		-1.9		1407.3		+207	-75	1,628,991	682,379
422	0				5.3	-		-5.3		1403.9	X	0	0	1,628,784	682,454
423	220		164°3.2'	-1.8°	7.3	91°	-3.8	-11.1		1398.1		-210	+67	1,628,574	682,521
424	440		" "	-1.8°	3.2	92°	-15.3	-18.5		1390.7		-419	+134	1,628,365	682,588
425	660		" "	-1.8°	1.5	92°	-23.0	-24.5		1384.7		-629	+201	1,628,155	682,655
426	880		164°3.2'	-1.8°	13.0	91°	-15.4	-28.4	1380.8		TP	-838	+268	1,627,946	682,720
426	880				14.6	90°54'	-13.8	-28.4			TP			-2	

1st Sta. in Habersham Co
1st Sta. in Banks Co.
horiz. correct. - $y = +81'$
(scaled) B.M.
c/l railroad 682,240, 629,300
B.M. could not be found -
interviewed limited e.l. 1405.
T-rod (west)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6/27/78		G. Cotcamp		R. Hulsey		6837		G.W.C.				35				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Baldwin		Georgia		Banks								L. O. Davis		
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
426										1380.8				1,627,946	682,720	
	880		353°47.6'	-1.8°	+4.9	-		+4.9	1385.7		BS	-871	+123.2			
	880				+9.3	TH	-4.4	+4.9			BS					
427	660		353°47.6'	-1.8°	7.8	-		-7.8		1377.9		+654	-92	1,627,728	682,749	
428	440		352°50'	-1.8°	8.8	BH	-2.2	-11.0		1374.7		+435	-69	1,627,510	682,772	
429	220		351°13'	-1.8°	9.8	BH	-1.1	-10.9		1374.8		+216	-40	1,627,291	682,801	
430	0				5.3	-		-5.3		1380.4	TP	0	0	1,627,075	682,841	
431	220		164°1.7'	-1.8°	2.6	88°-	+7.7	+5.1		1390.8		-210	+67	1,626,865	682,908	
432	440	439	" "	-1.8°	6.4	87°-	+23.0	+16.6		1402.3		-418	+134	1,626,657	682,975	
433	660	659	164°1.7'	-1.8°	13.3	87°-	+34.5	+21.2		1406.9	TP	-628	+201.2	1,626,447	683,040	
433	660				4.9	87°44'	+26.1	+21.2			TP					
	1320	1318	343°19.3'-120°	-1.8°	+120	87°-	-69.0	-57.0	1344.9		BS	-1250	+418.2			
	1320				+5.1	87°8'	-62.1	-57.0			BS					
434	1100	1098	343°19.3'	-1.8°	6.8	87°-	+57.5	+50.7		1400.6		+1041	-348	1,626,238	683,108	
435	880	879	" "	-1.8°	6.2	87°20'	+40.9	+34.7		1384.6		+834	-279	1,626,031	683,177	
436	660		" "	-1.8°	5.0	88°-	+23.0	+18.0		1367.9		+626	-209	1,625,823	683,247	
437	440		" "	-1.8°	2.4	89°-	+7.7	+5.3		1355.2		+417	-139	1,625,614	683,317	
438	220		" "	-1.8°	1.9	-		-1.9		1348.0		+209	-70	1,625,406	683,386	
439	0		" "		5.3	-		-5.3		1344.6	TP	0	0	1,625,197	683,456	driveway (east)
440	220		141°4'	-1.8°	9.2	BH	-1.1	-10.3		1339.6		-167	+144	1,625,030	683,600	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6/27/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1		36			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Baldwin		Georgia		Banks								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1349.9						
441	435		134° 11.4'	-1.8°	149	-		-14.9		1335.0	TP	-293	+321 ⁻²	1,624,904	683,775
441	435				127	BH	-2.2	-14.9			TP				
	880	879	300° 56' - 180°	-1.8°	+9.0	87° -	-46.0	-37.0	1298.0		BS	-428	+768 ₂		
	880				54	87° 14'	-42.4	-37.0			BS				
442	660	659	300° 56'	-1.8°	5.4	87° -	+34.5	+29.1		1327.1		+321	-576	1,624,797	683,965
443	440	439	" "	-1.8°	4.6	87° -	+23.0	+18.4		1316.4		+214	-383	1,624,690	684,158
444	220		" "	-1.8°	4.7	87° -	+11.5	+6.8		1304.8		+107	-192	1,624,583	684,349
445	0				5.3	-		-5.3		1292.7	X	0	0	1,624,476	684,541
446	220		122° 48'	-1.8°	8.0	93° 30'	-13.4	-21.4		1276.4		-113	+189	1,624,363	684,730
447	440	439	122° 48'	-1.8°	5.1	93° 30'	-26.8	-31.9		1266.1	TP	-226	+376 ⁻²	1,624,250	684,915
447	440				4.6	92° 16'	-17.4	-32.0			TP				
	218		322° 50.3' - 180°	-1.8°	+5.6	88° -	-7.6	-2.0	1264.1		BS	-170	+137 ⁻²		
	218				+1.8	89° -	-3.8	-2.0			BS				conv.
448	0				5.3	-		-5.3		1258.8	X	0	0	1,624,080	685,050
449	220		158° 50.2'	-1.8°	12.9	91° -	-3.8	-16.7		1247.4	TP	-203	+86 ⁻²	1,623,877	685,134
449	220				11.0	91° 30'	-5.8	-16.8			TP				
	1320	1317	352° 19.8' - 180°	-1.8°	+4.9	86° 20'	-84.2	-79.3	1168.1		BS	-1299	+217 ⁻²		
	1320				8.7	86° 10'	-88.0	-79.3			BS				
450	1100	1098	352° 19.8'	-1.8°	6.5	86° 20'	+70.2	+63.7		1231.8		+1083	-181	1,623,661	685,168
451	880	878	" "	-1.8°	7.1	86° 30'	+53.6	+46.5		1214.6		+866	-144	1,623,444	685,205

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6/27/78		G Cotcamp		R. H. Holsey		6834		G.W.C.		1		37				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Baldwin		Georgia		Banks								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
									1168.1							
451	795	794	353° 7'	-1.8°	8.5	86° 30'	+48.4	+39.9		1208.0		+785	-120	1,623,363	685,229	Trail (west)
452	660	659	352° 19.8'	-1.8°	6.0	87°	+34.5	+28.5		1196.6		+650	-108	1,623,228	685,241	
453	440		" "	-1.8°	3.2	88°	+15.3	+12.1		1180.2		+434	-72	1,623,012	685,277	
454	220		" "	-1.8°	6.9	88°	+7.7	+0.8		1168.9		+217	-36	1,622,795	685,313	
455	0				5.3	-		-5.3		1162.8	X	0	0	1,622,578	685,349	
456	220		158° 12'	-1.8°	9.3	84	-1.1	-10.4		1157.7		-202	+88	1,622,376	685,437	
457	436		151° 18.6'	-1.8°	13.1	84	-2.2	-15.3		1152.8	TP	-376	+221	1,622,202	685,567	
457	436				14.0	90° 10'	-1.3	-15.3			TP					
	440		302° 55' - 180°	-1.8°	+3.0	89°	-7.7	-4.7	1148.1		BS	-227	+377			
	440				+1.7	89° 10'	-6.4	-4.7			BS					
458	220		295° 57'	-1.8°	0.4	-		-0.4		1147.7		+90	-201	1,622,065	685,741	
459	170		300° 11'	-1.8°	1.8	-		-1.8		1146.3		+81	-150	1,622,056	685,792	Trail (north)
459	0				5.3	-		-5.3		1142.8	X	0	0	1,621,975	685,942	
460	220		115° 7.6'	-1.8°	7.9	-		-7.9		1140.2		-87	+202	1,621,888	686,144	
461	440		" "	-1.8°	8.2	-		-8.2		1139.9		-174	+404	1,621,801	686,346	
462	660		" "	-1.8°	7.1	-		-7.1		1141.0		-261	+606	1,621,714	686,548	
463	880		" "	-1.8°												
463	875		114° 25'	-1.8°	5.1	-		-5.1		1143.0		-336	+808	1,621,639	686,750	Trail (s.w.)
463	880		115° 7.6'	-1.8°	5.1	-		-5.1		1143.0		-348	+808	1,621,627	686,750	
464	1100		" "	-1.8°	4.1	-		-4.1		1144.0		-436	+1010	1,621,539	686,952	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6/27/78	INSTRUMENT MAN G. Co. Camp	ROD MAN R. H. Isley	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 38
AREA Georgia	TOPO MAP Baldwin	STATE Georgia	COUNTY Barrow	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									1148.1							
465	1320		115° 7.6'	-1.8°	24	-		-2.4		1145.7	TP	-523	+1212.7	1,621,452	687,152	
465	1320				9.0	TH	+6.6	-2.4			TP					
	1540		295° 6.5' -180°	-1.8°	+4.4	91°-	+26.9	+31.3			BS	-609	+1414.7			
	1540				+14.4	90°38'	+17.0	+31.4		1177.1	BS					
466	1320		295° 6.5'	-1.8°	6.3	91°-	-23.0	-29.3		1147.8		+522	-1212	1,621,365	687,352	
467	1120		" "	-1.8°	8.3	91°-	-19.2	-27.5		1149.6		+435	-1010	1,621,278	687,554	
468	880		" "	-1.8°	3.3	91°30'	-23.0	-26.3		1150.8		+348	-808	1,621,191	687,756	
469																
469	685		296° 0'	-1.8°	5.6	91°20'	-17.9	-23.5		1153.6		+282	-624	1,621,125	687,940	T-rd (c.w.)
469	660		295° 6.5'	-1.8°	7.9	91°20'	-15.4	-23.3		1153.8		+261	-606	1,621,104	687,958	
470	440		" "	-1.8°	8.2	91°20'	-10.2	-18.4		1158.7		+174	-404	1,621,017	688,160	
471	220		" "	-1.8°	8.3	91°-	-3.8	-12.1		1165.0		+87	-202	1,620,930	688,362	
472	0				5.3	-		-5.3		1171.8	X	0	0	1,620,843	688,564	
473	220		115° 23'	-1.8°	4.2	87°-	+3.8	-0.4		1176.7		-87	+202	1,620,756	688,766	
474	440		115° 23'	-1.8°	4.4	TH	+2.2	-2.2		1174.9	TP	-174	+404.7	1,620,669	688,966	
474	440				2.2	-		-2.2			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
6/28/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1	39			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
Georgia		Baldwin		Georgia		Banks						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.	
474										1174.9				
	220		304° 19.2' - 180°	-1.8°	5.5	88° -	-7.7	-2.2	1172.7		BS	-118	+186 ⁻²	
	220				4.3	88° 20'	-6.4	-2.1		BS				
475	0				5.3	-		-5.3		1167.4	TP	0	0	1,620,551 689,150
476	220		136° 58.3'	-1.8°	9.4	92° -	-7.7	-17.1	1155.6		TP	-156	+155 ⁻²	1,620,395 689,303
476	220				13.3	91° -	-3.8	-17.1		TP				
	442	440	337° 56.7' - 180°	-1.8°	7.1	84° -	-46.0	-38.9	1116.7		BS	-402	+178 ⁻²	
	442				3.3	81° 30'	-42.2	-38.9		BS				
477	220	219	337° 56.7'	-1.8°	3.1	84° -	+22.9	+19.8		1136.5		+200	-89	1,620,813 689,390
478	0				5.3	-		-5.3		1111.4	TP	0	0	1,619,993 689,479
479	220	218	156° 54'	-1.8°	7.8	97° -	-26.6	-34.4		1082.3		-198	+92	1,619,795 689,571
480	440	436	" "	-1.8°	7.5	98° -	-60.6	-68.1		1048.6		-395	+184	1,619,598 689,663
481	660	654	" "	-1.8°	9.3	98° -	-91.0	-100.3		1016.4		-593	+275	1,619,400 689,754
482	880	871	" "	-1.8°	5.0	98° -	-121.3	-126.3		990.4		-790	+367	1,619,203 689,846
483	1100	1091	" "	-1.8°	9.4	97° 30'	-139.3	-148.7		968.0		-990	+459	1,619,003 689,938
484	1320	1310	" "	-1.8°	5.2	97° -	-159.7	-164.9		951.8		-1188	+552	1,618,805 690,031
485	1540	1531	" "	-1.8°	7.2	96° 30'	-168.8	-176.0		940.7		-1389	+645	1,618,604 690,124
486	1760	1750	156° 03'	-1.8°	0.6	96° -	-183.0	-183.6	-183.8	932.9	TP	-1576	+760	1,618,417 690,237
486	1760				14.1	95° 34'	-169.9	-184.0		TP				
	660		317° - 180°	-1.8°	8.1	88° -	-23.0	-14.9	918.0		BS	-468	+465 ⁻²	
	660				2.4	88° 30'	-17.3	-14.9		BS				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
6/28/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1	40				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Georgia		Baldwin		Georgia		Banks					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
									918.0						
487	440		313°38'		6.8	88°	+15.3	+8.5		926.5		+293	-328	1,618,242	690,372
488	360		314°15'		6.6	88°	+12.6	+6.0		924.0		+243	-266	1,618,192	690,434
488	220		311°53'		6.0	88°	+7.7	+1.7		919.7		+142	-168	1,618,091	690,532
489	0				5.3	-		-5.3		912.7	X	0	0	1,617,949	690,700
490	220		129°13'		8.3	91°	-3.8	-12.1		905.9		-134	+175	1,617,815	690,875
491	440		" "		3.4	92°	-15.3	-18.7		899.3		-267	+349	1,617,682	691,049
492	660		129°13'		2.5	92°	-23.0	-25.5		892.4	TP	-401	+524	1,617,548	691,222
492	660				4.5	91°50'	-21.1	-25.6		892.4	TP		-2		
	218		315°52'-180°		+5.4	88°	-7.6	-2.2	890.2		BS	-152	+157		Curve
	218				2.9	88°40'	-5.1	-2.2			BS		-2		
493	0				5.3	-		-5.3		884.9	X	0	0	1,617,396	691,377
494	127		145°34'		8.1	-		-8.1		882.1		-102	+75	1,617,294	691,452
494	218		156°13'		11.7	-		-11.7		878.5	TP	-197	+94.2	1,617,199	691,469
494	218				12.8	TH	+1.1	-11.7			TP				
	880		357°45'-180°		+33	89°30'	-7.7	-4.4			BS	-879	+31.2		
	880				10.9	89°	-15.4	-4.5	874.0		BS				
495	660		0°5'		2.2	-		-2.2		871.8		+660	-20	1,616,980	691,478
496	440		357°20'		7.1	-		-7.1		866.9		+439	-34	1,616,759	691,464
497	220		352°15'		8.1	-		-8.1		865.9		+217	-36	1,616,537	691,462
498	0				5.3	-		-5.3		868.7	X	0	0	1,616,320	691,498

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445.

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6/28/78		S. G. ...		R. Hulsey		6834		G.W.C.		1	41					
AREA		TOPO MAP		STATE		COUNTY		RANGE		PARTY MANAGER						
Georgia		Ga. J. ...		Georgia		Banks				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
									874.0							
499	220		157°30'	-1.8°	24	-		-2.4		871.6		-201	+91	1,616,119	691,589	
500	440		" "	-1.8°	20	TH	+2.2	+0.2		874.2		-401	+181	1,615,919	691,679	
501	465		156°22'	-1.8°	2.1	TH	+2.3	+0.2		874.2		-420	+200	1,615,900	691,698	T-rd (west)
501	660		156°48'	-1.8°	5.2	TH	+3.3	-2.0		872.0	TP	-598	+279	1,615,722	691,775	
501	660				5.1	89°41'	+3.1	-2.0			TP					
	435		311°39.3'-120°	-1.8°	+14	88°-	-15.2	-13.8	858.2		BS	-279	+334		curve	
	435				9.0	87°	-22.7	-13.7			BS					
502	220		304°32'	-1.8°	1.8	88°-	+7.7	+5.9		864.1		+119	-185	1,615,562	691,922	
503	0				5.3	-		-5.3		852.9	X	0	0	1,615,443	692,107	
504	25		71°-	-1.8°	7.3	-		-7.3		850.9		+9	+23	1,615,452	692,130	T-rd (se.)
504	220	219	101°31.5'	-1.8°	6.7	94°-	-15.3	-22.0		836.2		-37	+216	1,615,406	692,323	
505	440	439	" "	-1.8°	8.3	94°-	-30.6	-38.9		819.3		-74	+433	1,615,369	692,540	
506	660	658	" "	-1.8°	4.5	94°-	-45.9	-50.4		807.8		-111	+649	1,615,332	692,756	
507	880	879	" "	-1.8°	2.6	93°30'	-48.5	-57.1		801.1		-148	+866	1,615,295	692,973	
508	1100	1098	" "	-1.8°	4.1	93°-	-57.5	-61.6		796.6		-185	+1082	1,615,258	693,189	
509	1320	1319	101°31.5'	-1.8°	6.6	92°30'	-57.5	-64.1			TP	-223	+1300	1,615,220	693,405	
509	1320				14.3	92°10'	-49.9	-64.2		794.0	TP					
	1320	1319	280°51'-120°	-1.8°	+13.9	92°08'	+49.1	+63.0	857.0		BS	-207	+1303			
	1320				+13.1	92°10'	+49.9	+63.0			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-448

Geosource Inc.

DATE 6/28/78	INSTRUMENT MAN S. Stump	ROD MAN R. E. Rice	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 43
AREA Georgia	TOPO MAP E. 100'	STATE Georgia	COUNTY Fulton	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
									855.8							
525	655		67° 7.2'	-1.8°	34	88°	+22.8	+19.4	}	875.2	TP	+273	+595 ₋₂	1,615,082	696,821	
525	655				0.7	88° 14'	+20.2	+19.5		TP						
	440		242° 54' -180°	-1.8°	+14.4	90°	+15.3	+23.3	}	898.5	BS	+218	+382 ₋₂			
	440				14.4	91° 0'	+9.0	+23.4		BS						
526	220		242° 54'	-1.8°	6.8	92°	-7.7	-14.5		884.0		-109	-191	1,615,191	697,010	
527	0				53	-		-5.3		893.2	TP	0	0	1,615,300	697,201	7- rd (west) setup opposite sta.
528	220		82° 21.6'	-1.8°	4.1	89°	+3.8	-0.3		898.2		+36	+217	1,615,336	697,418	
529	440															
	290		79° 50'	-1.8°	3.5	89°	+5.1	+1.6		900.1		+60	+284	1,615,360	697,485	
529	440		82° 21.6'	-1.8°	2.9	89°	+7.7	+4.8		903.3		+72	+434	1,615,372	697,635	
530	660		"	-1.8°	22	89°	+11.5	+9.3		907.8		+108	+651	1,615,408	697,852	
531	880		82° 21.6'	-1.8°	4.1	88° 48'	+18.4	+14.3	}	912.8	TP	+144	+868 ₋₂	1,615,444	698,067	
531	880				51	88° 41'	+19.4	+14.3		TP						
	440		275° 44.8' -180°	-1.8°	+10.7	-		+10.7	}		BS	+30	+439 ₋₂			
	440				128	TH	-2.2	+10.6		BS						
532	220		275° 44.8'	-1.8°	6.5	-		-6.5		916.9		+15	-219	1,615,429	698,285	
TP	97		288° 27'	-1.8°	33	-		-3.3		920.1		+28	-93	1,615,442	698,411	4-way "in road" (RT 441)
533	0				53	-		-5.3		918.1	TP	0	0	1,615,414	698,504	
534	218		117° 27.6'	-1.8°	10.4	-		-10.4	}	913.0	TP	-94	+197 ₋₂	1,615,320	698,699	curve
534	218				11.5	TH	+1.1	-10.4		TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-448

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6/28/78		G. Cottramp		R. Hulsey		6834		G.W.C.		1		44			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Baldwin		Georgia		Banks								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
534										913.0					
	220		324°57'-180°	-1.8°	+26	89°	-3.8	-1.2	911.8		BS	-176	+132		
	220				+0.7	89°30'	-1.9	-1.2		BS					
535	0				5.3	-		-5.3		906.5	X	0	0	1,615,144 698,829	
	210		327°36'	-1.8°	2.3	89°	+3.7	+1.4		913.2		+182	-124	1,615,326 698,705 Y-intersect.	
536	220		150°55.5'	-1.8°	10.1	-		-10.1		901.7		-142	+93	1,615,002 698,922 Y-intersect.	
536	220				11.8	-		-11.8		900.0	TP	-189	+113-2	1,614,955 698,940	
	1760		345°56'-180°	-1.8°	+26	89°28'	-16.4	-13.8	886.1		BS	-1693	+481		
	1760				+34	89°26'	-17.4	-14.0		BS					
537	1540		345°56'	-1.8°	5.0	89°30'	+13.4	+8.4		894.5		+1481	-421	1,614,743 698,998	
538	1320		" "	-1.8°	1.7	TH	+6.6	+4.9		891.0		+1270	-361	1,614,532 699,058	
539	1100		" "	-1.8°	2.3	TH	+5.5	+3.2		889.3		+1058	-301	1,614,320 699,118	
540	880		" "	-1.8°	3.2	TH	+4.4	+1.2		887.3		+846	-241	1,614,108 699,178	
541	660		" "	-1.8°	3.1	TH	+3.3	+0.2		886.3		+635	-180	1,613,897 699,239	
542	440		" "	-1.8°	1.2	-		-1.2		884.9		+423	-120	1,613,685 699,299	
543	220		" "	-1.8°	3.1	-		-3.1		883.0		+212	-60	1,613,474 699,359	
544	0		" "		5.3	-		-5.3		880.8	X	0	0	1,613,262 699,419	
545	220		158°25'	-1.8°	7.4	-		-7.4		878.7		-202	+87	1,613,060 699,506	
546	440		157°29'	-1.8°	8.0	-		-8.0		878.1		-401	+181	1,612,861 699,600	
547	660		156°15'	-1.8°	6.0	-		-6.0		880.1		-595	+285	1,612,667 699,704	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6/28/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C	LINE NO. 1	PAGE 45
AREA Georgia	TOPO MAP Baldwin/Lake Russell	STATE Georgia	COUNTY Banks	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									886.1						
548	876		155°33'	-1.8°	5.8	-		-5.8		880.3	TP	-786	+387	1,612,476 699,803	curve
548	876				10.1	JH	+4.4	-5.7			TP				
	1096		330°33'-180°	-1.8°	8.8	89°-	-19.1	-10.3	870.0		BS	-933	+575		curve
	1096				5.6	89°0'	-15.9	-10.3			BS				
549	880		329°32'	-1.8°	8.7	87°-	+15.4	+7.0		877.0		+744	-470	1,612,287 699,905	
550	660		328°26'	-1.8°	8.1	89°-	+11.5	+3.4		873.4		+551	-363	1,612,094 700,012	
551	440		326°19'	-1.8°	7.8	89°-	+7.7	-0.1		869.9		+358	-255	1,611,901 700,120	
552	220		323°54'	-1.8°	2.8	-		-2.8		867.2		+174	-135	1,611,717 700,240	
553	0				5.3	-		-5.3		864.7	TP	0	0	1,611,543 700,375	correction x=-87 y=0
BM	50		87°34'	-1.8°	5.2	-		-5.2		864.8	BM	+4	+50	1,611,547 700,425	60 CMN 1957 e/1.8648
TP	70		129°3'	-1.8°	5.9	-		-5.9		864.1		-42	+56	1,611,501 700,431	
554	220		135°39'	-1.8°	6.7	-		-6.7		863.3		-152	+159	1,611,391 700,534	
555	440		132°26'	-1.8°	9.0	-		-9.0		861.0		-287	+334	1,611,256 700,709	
556	660		131°30'	-1.8°	3.0	91°-	-11.5	-14.5		855.5		-422	+508	1,611,121 700,863	
557	880		131°6'	-1.8°	4.9	91°-	-15.4	-20.3		849.7		-557	+681	1,610,986 701,056	last sta. in Baldwin Blvd.
558	1100		130°55'	-1.8°	4.8	91°-	-19.2	-24.0		846.0	TP	-694	+853	1,610,846 701,228	first sta. in Lake Russell
558	1100				14.3	90°30'	-9.6	-23.9			TP				
	1100		329°35.4'-180°	-1.8°	8.8	88°30'	28.8	20.0	826.0		BS	-674	+869		
	1100				5.6	88°40'	-25.6	-20.0			BS				
559	880		304°35.4'	-1.8°		88°30'	+23.0	+17.4		843.4		+539	-695	1,610,706 701,402	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6/29/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1		46				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Lake Russell		Georgia		Banks								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
									826.0							
560	660		309°35'	-1.8°	6.0	88°30'	+17.3	+11.3		837.3		+404	-522	1,610,571	701,575	
561	440		" "	-1.8°	2.0	89°-	+7.7	+5.7		831.7		+270	-348	1,610,437	701,749	
562	220		" "	-1.8°	1.8	89°-	+3.8	+2.0		828.0		+135	-174	1,610,302	701,923	
563	0				5.3	-		-5.3		820.7	X	0	0	1,610,167	702,097	
564	220		129°29'	-1.8°	6.5	92°-	-7.7	-14.2		811.8		-134	+174	1,610,033	702,271	
565	440		" "	-1.8°	5.2	92°-	-15.3	-20.5		805.5		-269	+348	1,609,898	702,445	
566	660		" "	-1.8°	8.8	91°10'	-13.4	-22.2		803.8		-403	+522	1,609,764	702,619	
566	670		128°39'	-1.8°	10.2	91°-	-11.7	-21.9		804.1		-402	+536	1,609,765	702,633	Trd (north)
567	880		129°29'	-1.8°	4.2	91°-	-15.4	-19.6		806.4		-538	+696	1,609,629	702,793	
568	1100		" "	-1.8°	3.7	91°30'	-9.6	-16.3		809.7		-672	+871	1,609,495	702,968	
569	1320		" "	-1.8°	6.1	BH	-6.6	-12.7		813.3		-807	+1045	1,609,360	703,142	
570	1540		" "	-1.8°	9.4	-		-9.4		816.6		-941	+1219	1,609,226	703,316	
571	1760		" "	-1.8°	6.0	-		-6.0		820.0		-1076	+1393	1,609,091	703,490	
572	1980		128°25.5'	-1.8°	6.0	-		-6.0		820.0	TP	-1181.5	+1589	1,608,981	703,686	
572	1980				14.1	89°46'	+8.1	-6.0			TP					
	1100		288°47'-180°	-1.8°	+4.5	TH	-5.5	-1.0	819.0		BS	-308.5	+1056			
	1100				5.5	89°40'	-6.4	-0.9			BS					
573	880		286°30'	-1.8°	0.9	-		-0.9		818.1		+223	-851	1,608,891	703,891	
574	660		285°34'	-1.8°	2.2	-		-2.2		816.8		+157	-641	1,608,825	704,101	
575	440		" "	-1.8°	3.8	-		-3.8		815.2		+105	-427	1,608,773	704,315	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 6/28/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 47
AREA Georgia	TOPO MAP Lake Russell	STATE Georgia	COUNTY Banks	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.	
									819.0					
576	220		284° 8'	-1.8°	52	-		-5.2		813.8		+47	-215	1,608,715 704,527
≠	155		285° 47'	-1.8°	56	-		-5.6		813.4		+37	-150	1,608,705 704,592 T-rd (north)
577	0				53	-		-5.3		813.7	X	0	0	1,608,668 704,742
578	220		93° 18'	-1.8°	4.7	-		-4.7		814.3		-6	+220	1,608,662 704,962
579	440		91° 16'	-1.8°	3.6	-		-3.6		815.4		+3	+440	1,608,671 705,182 last sta. on paved road
≠	490		89° 26.8'	-1.8°	3.6	-		-3.6		815.4	TP	+20.5	+490	1,608,683 705,232 T-rd (south-gravel)
≠	490				6.0	TH	+2.5	-3.5			TP			line jugs south
	410		351° 27.5'-180°	-1.8°	+3.3	RH	+21	+5.4	822.8		BS	-403.2	+74	
	410				+3.0	90° 20'	+24	+5.4			BS			
580	220		349° 32'	-1.8°	12.7	-		-12.7		808.1		+215	-47	1,608,493 705,259 south edge of 2-lan
581	0				5.3	-		-5.3		815.5	X	0	0	1,608,278 705,306 bridge
582	220		132° 50'	-1.8°	3.9	87°	+1.5	+8.1		828.9	TP	-144.2	+166	1,608,132 705,472
582	220				0.9	87° 40'	+8.9	+8.0			TP			
	220		285° 40.6'-180°	-1.8°	+12.0	93°	+11.5	+23.5	852.4		BS	-53.2	+214	
	220				+13.9	92° 30'	+9.6	+23.5			BS			
583	0				5.3	-		-5.3		847.1	X	0	0	1,608,077 705,686
TP	185		136° 15.6'	-1.8°	4.8	87°	+9.7	+4.9		857.7	TP	-130.2	+132	1,607,945 705,818 sharp curve
TP	185				3.9	87° 16'	+8.8	+4.9			TP			
	480	4.78	326° 43.4'-180°	-1.8°	+9.8	94° 18'	+35.9	+45.7	903.0		BS	-391.2	+275	
	480				+6.8	94° 40'	+38.9	+45.7			BS			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 6/28/78		INSTRUMENT MAN G. Cotcamp		ROD MAN R. Hulsey		PARTY NUMBER 6834		NOTES CHECKED BY GWC		LINE NO. 1		PAGE 48			
AREA Georgia		TOPO MAP Lake Forest		STATE Georgia		COUNTY Banks		TWP		RANGE		PPM		PARTY MANAGER L. O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									903.0						
584	440	439	326° -	-1.8°	8.3	94°30'	-34.4	-42.7		860.3		+356	-257	1,607,908	705,836
585	220	219	324°03'	-1.8°	8.1	94°	-15.3	-23.4		879.6		+173	-134	1,607,725	705,959
586	0				5.3	-		-5.3		897.7	X	0	0	1,607,552	706,093
587	220	219	128°23.7'	-1.8°	3.1	86° -	+15.3	+12.2		915.5	TP	-131.2	+176	1,607,419	706,269
587	220				5.0	85°30'	+17.2	+12.2			TP				
	440	439	323°74'-180°	-1.8°	+10.4	93° -	+23.0	+33.4	977.6		BS	-343.2	+274		
	440				+14.2	92°30'	+19.2	+33.4			BS				
588	220		322°11'	-1.8°	9.0	92° -	-7.7	-16.7		931.9		+169	-140	1,607,243	706,403
589	0				5.3	-		-5.3		943.0	X	0	0	1,607,074	706,543
590	220		142°51.3'	-1.8°	2.3	88°30'	+5.8	+3.5		950.1	TP	-171.2	+138	1,606,901	706,681
590	220				1.0	88°50'	+4.5	+3.5			TP				
	218		31°48.3'+180°	-1.8°	+14.6	93° -	+11.7	+26.0	978.1		BS	-189.2	-109		curve
	218				+12.9	93°26'	+13.0	+25.9			BS				
591	0				5.3	-		-5.3		972.8	X	0	0	1,606,710	706,572
592	220		200°51.8'	-1.8°	4.3	88° -	+7.7	+3.4		981.5	TP	-208.2	-7.2	1,606,500	706,500
592	220				6.2	87°30'	+9.6	+3.4			TP				
	216		29°76'+180°	-1.8°	+12.2	-		+12.2	992.7		BS	-192.2	-99		
	216				+13.3	TH	-1.1	+12.2			BS				
593	0				5.3	-		-5.3		988.4	X	0	0	1,606,306	706,401

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
6/29/78		G. Cotcamp		R. Hulsey		6834		G.W.C		1		49		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia				Georgia		Banks						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.	
									993.7					
594	217		161°18.4'	-1.8°	4.5	88°-	+3.5	+3.1			TP	-203.2	+76	1,606,101 706,477
594	217				3.9	88°10'	+5.9	+3.0		996.7	TP			
	223		328°37'-180°	-1.8°	+6.4	-		+6.4	1003.1		BS	-187.2	+122	
	223				+7.5	TH	-7.1	+6.4			BS			
595	0				5.3	-		-5.3		997.8	X	0	0	1,605,912 706,599
596	220		173°2'	-1.8°	0.2	-		-0.2		1002.9		-217	+34	1,605,695 706,633
597	440		173°2'	-1.8°	6.1	88°40'	+12.2	+11.2		1007.2	TP	-435.2	+67	1,605,475 706,666
597	440				4.8	88°50'	+9.0	+4.2			TP			
	220		343°09.6'-180°	-1.8°	+1.9	-		-1.9	1002.1		BS	-208.2	+70	
	220				+3.0	TH	-3.1	+1.7			BS			
598	0				5.3	-		-5.3		1003.8	X	0	0	1,605,265 706,736
	205		155°13.4'	-1.8°	5.9	-		-5.9		1003.2		-183	+92	1,605,082 706,828
599	220		155°13.4'	-1.8°	6.2	-		-6.2		1002.9	TP	-197.2	+98	1,605,066 706,834 E.O.
599	220				7.3	TH	-7.1	+6.2			TP			T.P. opposite station
	443		350°36'-180°	-1.8°	+11.8	-		+11.8	1014.7		BS	-435.2	+86	
	443				+9.5	BT	+2.2	+11.7			BS			
600	220		350°36'	-1.8°	9.4	-		-9.4		1005.3		+216	-43	1,604,845 706,877
601	0				5.3	-		-5.3		1009.4	X	0	0	1,604,629 706,920 last sta. on road
602	220	219	118°56'	-1.8°	4.1	85°	+19.1	+15.0		1029.7		-100	+195	1,604,529 707,115 in field

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 7/1/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.S.	LINE NO. 1	PAGE 50 OF 224
AREA Georgia	TOPO MAP Lake Russell	STATE Georgia	COUNTY Banks	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				
									1014.7										
603	440	438	115°30'	-1.7°	14.1	84°44'	+40.2	+26.1		1040.8	TP	-177.2	+401	1,604,450	707,321			first sta. on pavement	
603	440				14.8	84°38'	+41.0	+26.2			TP								
	436		253°21'-180°	-1.7°	+14.0	BH	+2.2	+16.2		1057.0	BS	+137.2	+414					curve	
	436				13.6	90°20'	+2.5	+16.1			BS								
604	220		253° 21'	-1.7°	8.6	BH	-1.1	-9.7		1047.3		-69	-209	1,604,516	707,526				
605	0				5.3	-		-5.3		1051.7	X	0	0	1,604,585	707,735				
606	220		82°12'	-1.7°	0.2	TH	+1.1	+0.9		1057.9		+36	+217	1,604,621	707,952				
607	440		" "	-1.7°	1.7	89°	+7.7	+6.0		1063.0		+73	+434	1,604,658	708,169				
607	632		" "	-1.7°	3.6	89°	+11.0	+7.4		1064.4		+104	+623	1,604,689	708,358			End (north)	
608	660		83°34.4'	-1.7°	9.8	88°34'	+16.5	+6.7		1063.7	TP	+93.2	+653	1,604,680	708,388				
608	660				14.4	88°10'	+21.1	+6.7			TP								
	218		289° 51'-180°	-1.7°	+2.8	89°	-3.8	-1.0		1062.7	BS	-68.2	+207						
	218				+6.5	88°	-7.6	-1.1			BS							curve	
609	0				5.3	-		-5.3		1057.4	X	0	0	1,604,610	708,595				
610	220		122°41'	-1.7°	10.0	BH	-1.1	-11.1		1051.6		-113	+189	1,604,497	708,784				
611	440		126°44'	-1.7°	14.7	BH	-2.2	-16.9		1045.8	TP	-253.2	+360	1,604,355	708,955				
611	440				11.9	90°40'	-5.1	-17.0			TP								
	440		313°2'-180°	-1.7°	+1.4	TH	-2.2	-0.8		1045.0	BS	-291.2	+330						
	440				+1.8	89°40'	-2.6	-0.8			BS								
612	220		306° 54'	-1.7	3.3	-		-3.3		1041.7		+133	-175	1,604,195	709,110				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE								
7/11/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1	51								
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER										
Georgia		Lake Russell	Georgia	Banks					L. A. 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				
									1045.0										
FF	90		311°32'	-1.7°	4.8	-		-4.8		1040.2		+58	-69	1,604,120	709,216			T-rod (south ^{west} east)	
613	0				5.3	-		-5.3		1039.7	X	0	0	1,604,062	709,285				
614	220		102°23'	-1.7°	4.8	-		-4.8		1040.2		-41	+216	1,604,021	709,501				
615	440		100°20'	-1.7°	13	TH	+2.2	+0.9		1045.9	TP	-66-2	+435	1,603,994	709,720				
615	440				1.7	89°40'	+2.6	+0.9			TP								
	220		264°40.2'-180°	-1.7°	+9.7	-		+9.7	1055.6		BS	+27-2	+218						
	220				+10.8	TH	-1.1	+9.7			BS								
616	0				5.3	-		-5.3		1050.3	X	0	0	1,604,019	709,938				
617	220		60°19'	-1.7°	8.8	-		-8.8		1046.8		+115	+188	1,604,134	710,126				
618	437		57°1'	-1.7°	13.2	BH	-2.2	-15.4		1040.2	TP	+249-2	+359	1,604,266	710,297			Curve	
618	437				12.8	90°20'	-2.5	-15.3			TP								
	220		247°43.7'-180°	-1.7°	+6.3	88°-	-7.7	-1.4	1038.8		BS	+89-2	+201						
	220				+2.4	89°-	-3.8	-1.4			BS								
619	0				5.3	-		-5.3		1033.5	X	0	0	1,604,353	710,498				
620	220		90°35'	-1.7°	6.8	-		-6.8		1032.0		+4	+220	1,604,357	710,718				
JL	345		93°01'	-1.7°	6.1	-		-6.1		1032.7		-8	+345	1,604,345	710,843			T-rod (north)	
621	435		95°34'	-1.7°	6.9	-		-6.9		1031.9	TP	-29-1	+434	1,604,323	710,932			Curve	
621	435				9.1	TH	+2.2	-6.9			TP								
	880		278°11.2'-180°	-1.7°	+25	89°-	-15.4	-12.9	1019.0		BS	-99	+874						
	880				+10.1	88°30'	-23.0	-12.9			BS								

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7/11/78		G. Co Tcamp		R. Hulsey		6834		G.w.L.		1	52					
AREA		TOPO MAP	STATE	COUNTY		RANGE	PPM	PARTY MANAGER								
Georgia		Lake Russell	Georgia	Banks				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
									1019.0							
<u>IL</u>	730		278°48'	-1.7°	2.7	89°-	+12.7	+10.0		1029.0		+90	-724	1,604,314	711,082	T-rd (north) paved
622	660		278°-	-1.7°	3.5	89°-	+11.5	+8.0		1027.0		+72	-656	1,604,296	711,150	
623	440		" "	-1.7°	0.7	TH	+2.2	+1.5		1020.5		+48	-437	1,604,272	711,369	
624	220		" "	-1.7°	2.8	-		-2.8		1016.2		+24	-219	1,604,248	711,587	
625	0				5.3	-		-5.3		1013.7	X	0	0	1,604,224	711,806	
626	220		77°27'	-1.7°	8.1	-		-8.1		1010.9		+54	+213	1,604,278	712,019	
627	440			-1.7°	10.2	-		-10.2		1008.8	TP	+123	+422	1,604,347	712,228	
627	440		75°27A'		124	TH	+2.2	-10.2			TP					
	655		238°9'-180°	-1.7°	+4.2	-		+4.2	1013.0		BS	+362	+546			curve
	655				+7.5	TH	-3.3	+4.2			BS					
628	440		237°40'	-1.7°	5.9	-		-5.9		1007.1		-246	-365	1,604,463	712,409	
629	220		242°19'	-1.7°	6.1	-		-6.1		1006.9		-108	-192	1,604,601	712,582	
630	0				5.3	-		-5.3		1007.7	X	0	0	1,604,709	712,774	
631	220		74°7'	-1.7°	4.2	-		-4.2		1008.8		+66	+210	1,604,775	712,984	
632	440		" "	-1.7°	3.2	-		-3.2		1009.8		+133	+419	1,604,842	713,193	
633	660		" "	-1.7°	3.2	-		-3.2		1009.8		+199	+629	1,604,908	713,403	
634	880		72°56.8'	-1.7°	7.7	-		-7.7		1005.3	TP	+283	+833	1,604,992	713,607	
634	880				121	TH	+4.4	-7.7			TP					
	440		249°45.6'-180°	-1.7°	+4.6	89°-	-7.7	-3.1	1002.2		BS	+164	+408			
	440				+2.0	89°20'	-5.1	-3.1			BS					

SURVE NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE								
7/11/78		G. Cotcamp		R. Hulsey		5824		G.W.C.		1	53								
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER										
Georgia		Lake Russell	Georgia	Bonis					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				
									1002.2										
635	220		251°27'	-1.7°	3.9	-		-3.9		998.3		-76	-206	1,605,080	713,809				
635	206		254°16'	-1.7°	3.9	-		-3.9		998.3		-62	-197	1,605,094	713,818				Top (north)
636	0				5.3	-		-5.3		996.9	X	0	0	1,605,156	714,015				
637	218		88°57.7'	-1.7°	1.0	-		-1.0		1001.2	TP	+10	+218	1,605,166	714,233				Curve
637	218				2.1	TH	+1.1	-1.0			TP								
	218		291°38.7'-180°	-1.7°	+6.9	-		+6.9		1008.1	BS	-74	+205						
	218				8.0	TH	-1.1	+6.9			BS								Curve
638	0				5.3	-		-5.3		1002.8	X	0	0	1,605,092	714,438				
639	220		130°12'	-1.7°	7.2	-		-7.2		1000.9		-137	+172	1,604,955	714,610				
640	440		135°-	-1.7°	9.1	BH	-2.2	-11.3		996.8		-302	+320	1,604,790	714,758				
641	655		133°46.4'	-1.7°	11.9	BH	+3.3	-15.2			TP	-439	+486	1,604,653	714,924				Curve
641	655				13.2	90°10'	-1.9	-15.1		993.0	TP								
	1095		289°25'-180°	-1.7°	+6.9	89°	-19.1	-12.2		980.8	BS	-333	+1043						Curve
	1095				14.5	88°36'	-26.7	-12.2			BS								
642	880		288°39'	-1.7°	7.5	89°	+15.4	+7.9		988.7		+257	-842	1,604,577	715,125				
643	660		" "	-1.7°	8.1	89°	+11.5	+3.4		984.2		+192	-631	1,604,512	715,336				
644	440		" "	-1.7°	1.6	-		-1.6		979.2		+128	-421	1,604,448	715,546				
645	220		" "	-1.7°	4.8	-		-4.8		976.0		+64	-210	1,604,384	715,757				
646	0				5.4	-		-5.4		975.4	X	0	0	1,604,320	715,967				
647	220		108°35'	-1.7°	3.0	-		-3.0		977.8		-64	+211	1,604,256	716,178				

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
7/11/78		G. Cotcamp		R. Hulsey		6234		G.W.C.		1		54		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Lake Russell		Georgia		Banks						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.	
									980.8					
648	440		108°35'	-1.7°	36	-		-3.6		977.2		-128	+421	1,604,192 716,388
649	660		109°58.5'	-1.7°	10.0	-		-10.0		970.8	TP	-207	+627	1,604,113 716,594
649	660				133	TH	+3.3	-10.0			TP			
	220		298°10'-180°	-1.7°	+2.2	89°	-3.8	-1.6	969.2		BS	-98+	+197.	
	220				+1.0	89°20'	-2.6	+1.6			BS			
650	0				5.4	-		-5.4		963.8	TP	0	0	1,604,015 716,791
7/	180		111°26'	-1.7°	10.8	-		-10.8		958.4		-61	+169	1,603,954 716,960
651	205		128°44.6'	-1.7°	10.6	TH		-10.6		958.6	TP	-123	+11.4	1,603,892 716,955
651	205				11.6	TH	+1.0	-10.6			TP			shooting across corner unable to locate BM 961
	880		341°8'-180°	-1.7°	+12.5	-		+12.5	971.1		BS	-824	+309	
	880				8.1	TH	+4.4	+12.5			BS			
652	660		339°55'	-1.7°	3.7	91°	-11.5	-15.2		955.6		+613	-245	1,603,681 717,019
653	440		" "	-1.7°	7.1	91°	-7.7	-14.8		956.3		+409	-163	1,603,477 717,101
654	220		" "	-1.7°	8.1	91°	-3.8	-11.9		959.2		+204	-82	1,603,272 717,182
655	0				5.4	-		-5.4		965.7	TP	0	0	1,603,068 717,264
656	220		77°35.8'	-1.7°	6.3	93°	-11.5	-17.8		953.3		+54	+213	1,603,122 717,477
657	440		77°35.8'	-1.7°	7.0	90°42'	-5.4	-12.4			TP	+107.	+427.3	1,603,174 717,688
657	440				10.0	90°18'	-2.3	-12.3		958.8	TP			line jogs east - last sta. on pavement
	440		261°51.6'-180°	-1.7°	+10.6	-		+10.6	969.4		BS	+75.	+431.3	
	440				12.8	TH	-2.2	+10.6			BS			

horiz. correction $y = -76' x = 0$
 $1,603,950 + 716,960$ (scaled)
 T-intersect. (line jogs south)

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7/11/78		G. Co. Camp		R. Hulsey		6834		G.W.C.		7	55				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Georgia		Lake Russell	Georgia	Banks					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
									969.4						
658	220		261°51.6'	-1.7°	8.6	-		-8.6		960.8		-38	-217	1,603,210	717,902
659	0				5.4	-		-5.4		964.0	X	0	0	1,603,248	718,119
660	220		86°59.1'	-1.7°	8.2	-		-8.2		961.2		+18	+219	1,603,266	718,338
661	440		86°59.1'	-1.7°	12.1	-		-12.1		957.3	TP	+36.1	+439.3	1,603,283	718,555
661	440				14.3	TH	+2.2	-12.1			TP				
	220		249°57.6'-180°	-1.7°	+4.9	-		+4.9	962.2		BS	+81.1	+204.3		
	220				+6.0	TH	-1.1	+4.9			BS				
662	0				5.4	-		-5.4		956.8	X	0	0	1,603,363	718,756
663	220		76°36.6'	-1.7°	9.4	-		-9.4		952.8	TP	+57.1	+212.3	1,603,419	718,965
663	220				10.5	TH	+1.1	-9.4			TP				
	220		263°-180°	-1.7°	+5.9	87°	-11.5	-5.6	947.2		BS	+33.1	+217.3		
	220				+2.0	88°	-7.7	-5.7			BS				
664	0				5.4	-		-5.4		941.8	X	0	0	1,603,451	719,179
665	220		90°34.7'	-1.7°	6.1	92°	-7.7	-13.8		933.4	TP	+4.1	+220.3	1,603,454	719,396
665	220				7.4	91°40'	-6.4	-13.8			TP				
	660		290°27'-180°	-1.7°	+1.5	TH	-3.3	-1.8			BS	-212.1	+625.3		
	660				+2.1	89°40'	-3.8	-1.7	931.7		BS				
666	440		290°27'	-1.7°	7.1	-		-7.1		924.6		+141	-417	1,603,382	719,601
667	220		" "	-1.7°	8.8	81°	-1.1	-9.9		921.8		+71	-208	1,603,312	719,810
668	0				5.4	-		-5.4		926.3		0	0	1,603,241	720,018

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7/1/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1		56			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Lake Russell		Georgia		Banks								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y
									931.7						
669	220		106°17'	-17°	0.2	TH	+1.1	+0.9	}	932.6	TP	-54-	+213-3	1,603,186	720,228
669	220				1.0	89°30'	+1.9	+0.9		TP					
	220		297°53.6'-180°	-17°	+5.3	-		+5.3	}	937.9	BS	-97-	+197-3		
	220				+6.4	TH	-1.1	+5.3		BS					
670	0				5.3	-		-5.3		932.6	X	0	0	1,603,088	720,422
671	220		106°129'	-17°	1.6	-		-1.6	}	936.3	TP	-55-	+213-3	1,603,032	720,632
671	220				0.5	BH	-1.1	-1.6		TP					
	218		271°43.2'-180°	-17°	+10.4	88°	-7.6	+2.8	}	939.1	BS	0-	+218-3		
	218				+6.6	89°	-3.8	+2.8		BS					
672	0				5.4	-		-5.4		933.7	X	0	0	1,603,031	720,847
673	220		56°38'	-17°	11.6	-		-11.6	}	927.5	TP	+126-	+180-3	1,603,156	721,020
673	220				12.7	TH	+1.1	-11.6		TP					
	218		258°55.6'-180°	-17°	+6.3	88°	-7.6	-1.3	}	926.2	BS	+48	+213-3		Curve
	218				+4.0	88°36'	-5.3	-1.3		BS					
674	0				5.4	-		-5.4		920.8	X	0	0	1,603,204	721,230
675	220		94°22.4'	-17°	9.3	92°	-7.7	-17.0	}	909.2	TP	-10	+220-3	1,603,194	721,447
675	220				13.2	91°	-3.8	-17.0		TP					
	370	369	294°30.2'-180°	-17°	+4.0	85°	-32.1	-28.1	}	881.1	BS	-143	+340-3		
	370				+1.8	85°20'	-30.0	-28.2		BS					
676	150		294°30.2'	-17°	1.2	86°	+10.4	+9.2		890.3		+58	-138	1,603,109	721,646

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7/11/78		G. Co. Temp		R. Hulsey		6834		G. W. C.			57					
AREA		TOPO MAP		STATE		COUNTY		TWP		PARTY MANAGER						
Georgia		Lake Russell		Georgia		Fanks				C. O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									881.1							
π	0				5.4	-		-5.4		875.7	π	0	0	1,603,051	721,784	split station due to
677	70		83°17'	-1.7°	11.7	-		-11.7		869.4		+10	+69	1,603,061	721,853	sharp curve
678	286	285	68°35.2'	-1.7°	8.1	95°-	-24.8	-32.9		848.2	TP	+112	+262	1,603,163	722,043	curve.
678	286				9.8	94°0'	-23.2	-33.0			TP					
	220		292°25.7'-180°	-1.7°	+4.0	91°20'	+5.1	+19.1	867.3		BS	-78	+206			
	220				12.7	91°40'	+6.4	+19.1			BS					
679	0				5.4	-		-5.4		861.9	π	0	0	1,603,085	722,246	
680	221	220	79°13.3'	-1.7°	9.7	86°	+15.4	+5.7		873.0	TP	+48	+215	1,603,133	722,458	
680	221				5.8	87°	+11.5	+5.7			TP					
	220		291°17.4'-180°	-1.7°	+8.4	-		+8.4	881.4		BS	-7.4	+207			
	220				9.5	74	-1.1	+8.4			BS					
681	0				5.4	-		-5.4		876.0	π	0	0	1,603,059	722,662	
682	220		87°19'101°57.7	-1.7°	5.9	87°-	+11.5	+5.6		887.0		-39	+216	1,603,020	722,878	
683	440															
77	310		87°49'101°57.7	-1.7°	7.5	87°-	+16.2	+8.7		890.1		+55	+305	1,603,009	722,967	trail (south)
683	440		101°57.7'	-1.7°	3.1	88°-	+15.3	+12.2			TP	-78	+433	1,602,981	723,092	
683	440				5.6	87°40'	+17.9	+12.3		893.7	TP					
	220		273°20.5'-180°	-1.7°	+6.5	-		+6.5	900.2		BS	-6	+220			
	220		233°13'-180°		+7.6	74	-1.1	+6.5			BS					
684	0				5.4	-		-5.4		894.8	π	0	0	1,602,975	723,309	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/1/78	INSTRUMENT MAN G.C. Camp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.C. Camp	LINE NO. 1	PAGE 58
AREA Georgia	TOPO MAP L-20 100'	STATE Georgia	COUNTY Banks	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.	
									900.2					
685	220		103° -	-1.7°	4.5	-		-4.5		895.7		-43	+216	1,602,932 723,525
686	440		101° 39'	-1.7°	9.4	-		-9.4		890.8	TP	-76	+433.3	1,602,899 723,737
686	440				11.6	TH	+22	-9.4			TP			
	222		272° 97' - 180°	-1.7°	+4.4			+4.4	895.2		BS	-2	+222.3	
	222				+2.1	90° 36'	+23	+4.4			BS			
687	0											0	0	1,602,897 723,258
≡	13		11° 41'	-1.7°	4.4	-		-4.4		890.8		+13	+2	1,602,910 723,250 Intersect el. 890.
688	220		126° 39.6'	-1.7°	7.8	93° -	-11.5	-19.3		875.9		-126	+180	1,602,771 724,138 first station from here
689	440	439	" "	-1.7°	5.3	93° -	-23.0	-28.3		866.9		-252	+360	1,602,645 724,318
690	660	659	126° 39.6'	-1.85°	1.3	93° -	-34.5	-35.8		859.4	TP	-376.13	+541.2	1,602,524 724,501
690	660				5.2	92° 40'	-30.7	-35.9			TP			
	1100		305° 44.4' - 180°	-1.85°	+8.4	-		+8.4	867.8		BS	-613.13	+913.1	
	1100				+13.9 14.9	TH	-5.5	+8.4			BS			
691	880		305° 44.4'	-1.85°	8.9	BH	-4.4	-13.3		854.5		+491	-730	1,602,405 724,685
692	360		" "	-1.85°	9.8	BH	-3.3	-13.1		854.7		+368	-548	1,602,282 724,867
693	440		304° -	-1.85°	8.0	BH	-2.2	-10.2		857.6		+234	-373	1,602,148 725,042
694	220		" "	-1.85°	7.4	-		-7.4		860.4		+117	-186	1,602,031 725,229
695	0				5.4	-		-5.4		862.4	X	0	0	1,601,914 725,415
696	220		117° 24'	-1.85°	1.3	-		-1.3		866.5		-95	+198	1,601,819 725,613
697	440		116° 46'	-1.85°	3.9	89° -	+7.7	+3.8		871.6		-185	+399	1,601,729 725,814

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/15/79	INSTRUMENT MAN S. C. Camp	ROD MAN R. H. Boy	PARTY NUMBER 6834	NOTES CHECKED BY G. W. C.	LINE NO. 1	PAGE 59
AREA Georgia	TOPO MAP L. 200 6. 200	STATE Georgia	COUNTY Forsyth	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.	
									867.8					
698	660		115° 11'	-1.85°	1.9	89° -	+11.5	+9.6		877.4		-261	+606	1,601,653 726,021
699	880		113° 40.4'	-1.85°	0.6	89° -	+15.4	+14.8			TP	-327+3	+817+2	1,601,590 726,234
699	880				3.2	88° 30'	+17.9	+14.7		882.5	TP			
	660		286° 58' -180°	-1.85°	13.4	-	-	+13.4	895.9		BS	-172+3	+637+1	
	660				10.1	84°	+3.3	+13.4			BS			
700	440		286° 58'	-1.85°	8.4	-	-	-8.4		887.5		+115	-425	1,601,536 726,447
TP	440		288° 11'	-1.85°	8.4	-	-	-8.4		887.5		+124	-422	1,601,545 726,450
701	220		286° 58'	-1.85°	4.3	-	-	-4.3		891.6		+57	-212	1,601,478 726,660
702	0				5.4	-	-	-5.4		890.5	X	0	0	1,601,421 726,872
703	220		106° 41.3'	-1.85°	8.4	84	-1.1	-9.5		886.4		-56	+213	1,601,365 727,085
704	440		" "	-1.85°	7.2	91° -	-7.7	-14.9		881.0		-113	+425	1,601,308 727,297
705	660		" "	-1.85°	9.4	91° -	-11.5	-20.9		875.0		-169	+638	1,601,252 727,510
706	880		" "	-1.85°	8.9	91° -	-15.4	-24.3		871.6		-225	+851	1,601,196 727,723
707	1100		" "	-1.85°	1.7	91° -	-19.2	-20.9		875.0		-282	+1063	1,601,139 727,935
708	1320		106° 41.3'	-1.85°	5.3	90° 20'	-7.7	-13.0		882.9	TP	-338+3	+1276+2	1,601,086 728,150
708	1320				12.9	-	-	-12.9			TP			
	220		294° 9.2' -180°	-1.85°	+6.4	-	-	+6.4	889.3		BS	-83+3	+204+1	
	220				+7.5	74	-1.1	+6.4			BS			
709	0				5.3	-	-	-5.3		884.0	X	0	0	1,601,006 728,355

1,601,540 + 726,445 (see 161)
Twd (south) 887

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
7/15/78		G. Cotcamp		R. Hulsey		6834		GwC		1		60							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Georgia		Lake Russell		Georgia		Banks								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				
									889.3										
710	220		122°20'	-1.85°	11.7	-		-11.7		877.6	TP	-112+3	+190+2	1,600,897	728,547				
710	220				12.8	TH	+1.1	-11.7			TP								
	1760		313°153'-180°	-1.85°	+10.5	BH	+8.8	+19.3	896.9		BS	-116+4	+1320						
	1760				+14.2	90°10'	+5.1	+19.3			BS		+1						
711	1540		313°153'	-1.85°	6.1	91°-	-26.9	-33.0		863.9		+1019	-1155	1,600,756	728,713				
712	1320		" "	-1.85°	8.5	91°30'	-34.5	-43.0		853.9		+873	-990	1,600,610	728,878				
713	1100	1099	" "	-1.85°	6.5	92°-	-38.4	-44.9		852.0		+727	-824	1,600,464	729,044				
714	880	879	" "	-1.85°	6.1	92°20'	-35.8	-41.9		855.0		+581	-659	1,600,318	729,209				
715	660	659	" "	-1.85°	4.0	93°-	-34.5	-38.5		858.4		+436	-494	1,600,173	729,374				
716	440	439	" "	-1.85°	6.0	93°-	-23.0	-29.0		867.9		+290	-329	1,600,027	729,539				
717	220		" "	-1.85°	6.1	92°-	-7.7	-13.8		883.1		+146	-165	1,599,883	729,703				
718	0				5.4	-		-5.4		891.5	X	0	0	1,599,737	729,868				
719	220		133°25'	-1.85°	7.8	-		-7.8		889.1		-146	+165	1,599,591	730,033				
720	440		" "	-1.85°	6.8	91°30'	-11.5	-18.3		878.6		-292	+329	1,599,445	730,197				
721	650		130°20'	-1.85°	11.4	91°40'	-78.9	-30.3		866.6		-404	+509	1,599,333	730,377				T-rd (west)
721	658		130°59.6'	-1.85°	10.8	91°40'	-19.0	-29.8		867.1	TP	-415	+510	1,599,325	730,380				curve
721	658				14.6	91°20'	-15.2	-29.8			TP	+3	+2						
	162		6°34.5'+180°	-1.85°	+3.1	86°-	-11.3	-8.2	858.9		BS	-161+4	-13+2						shooting across 90° join
	162				+1.6	86°46'	-9.1	-8.1			BS								1862.0
721	158		37°44'	-1.85°	1.7	88°-	+5.5	+3.8		862.7		+128	+93	1,599,296	730,462				T-intersect. line

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7/15/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1	61					
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER				
Georgia		Lake Russell		Georgia		Banks						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
									858.9							
722	0				5.4	-		-5.4		853.5	T	0	0	1,599,168	730,369	first sta. on dirt road
723	220		214° 40'	-1.85°	3.3	-		-3.3		855.6		-185	-119	1,598,983	730,350	
724	440		211° 28'	-1.85°	0.2	-		-0.2		858.7		-383	-217	1,598,785	730,152	
725	660		210° 39.6'	-1.85°	2.2	89° 30'	+5.8	+3.6		862.5	TP	-578	-318	1,598,593	730,052	
725	660				4.1	89° 20'	+7.7	+3.6			TP					
	660		23° 12.6' +180°	-1.85°	+10.1	TH	-3.3	+6.8	869.3		BS	-615	-240			
	660				+9.9	89° 44'	-3.1	+6.8			BS					
726	440		23° 12.6'	-1.85°	2.0	TH	+2.2	+0.2		869.5		+410	+160	1,598,391	729,973	
727	220		" "	-1.85°	2.9	-		-2.9		866.4		+205	+80	1,598,186	729,893	
728	0				5.3	-		-5.3		864.0	T	0	0	1,597,981	729,813	
729	220		202° 5'	-1.85°	9.0	-		-9.0		860.3		-206	-76	1,597,775	729,737	
730	440		202° 5'	-1.85°	8.7	90° 30'	-3.8	-12.5			TP	-413	-152	1,597,572	729,663	
730	440				14.4	89° 46'	+1.8	-12.6		856.7	TP					
	219		6° 11.2' +180°	-1.85°	+5.0	-		+5.0	861.7		BS	-218	-17+1			
	219				6.1	TH	-1.1	+5.0			BS					
731	0				5.3	-		-5.3		856.4	T	0	0	1,597,351	729,647	
732	220		148° 46.3'	-1.85°	4.9	-		-4.9		856.8		-184	+120	1,597,173	729,767	
733	440		148° 46.3'	-1.85°	3.7	-		-3.7		858.0	TP	-369	+240	1,596,992	729,888	
733	440				5.9	TH	+2.2	-3.7			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/15/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 62
AREA Georgia	TOPO MAP Lake Russell	STATE Georgia	COUNTY Banks	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.	
733										858.0				
	1100	1079	332° 56.7' - 180°	-1.85°	+6.7	87° 30'	-47.9	-41.2	816.8		BS	-962	+531	
	1100				+3.5	87° 40'	-44.7	-41.2			BS	+3	+2	
734	880	879	332° 56.7'	-1.85°	6.1	87° 30'	+38.4	+32.3		849.1		+769	-425	1,596,802 729,996
735	660	659	" "	-1.85°	8.5	87° 30'	+28.8	+20.3		837.1		+577	-319	1,596,610 730,102
736	440		" "	-1.85°	7.0	88° -	+15.3	+8.3		825.1		+385	-213	1,596,418 730,208
737	220		" "	-1.85°	5.7	89° -	+3.8	-1.9		814.9		+193	-106	1,596,226 730,315
738	0				5.4	-		-5.4		811.4	TP	0	0	1,596,033 730,421
739	220		151° 24.5'	-1.85°	7.5	-		-7.5		809.3		-190	+111	1,595,843 730,532
740	440		" "	-1.85°	8.8	-		-8.8		808.0		-379	+223	1,595,654 730,644
741	660		151° 24.5'	-1.85°	3.2	-		-3.2		813.6	TP	-569	+334	1,595,467 730,757
741	660				6.5	TH	+3.3	-3.2			TP	+3	+2	
	440		336° 52.7' - 180°	-1.85°	+6.7	88° -	-15.3	-8.6	805.0		BS	-399	+186	+1
	440				+9.3	87° 40'	-17.9	-8.6			BS	+4		
742	220		341° 42'	-1.85°	5.2	88° -	+7.7	+2.5		807.5		+207	-76	1,595,279 730,868 in field (cutting corner)
743	0				5.4	-		-5.4		799.6	TP	0	0	1,595,072 730,944 first sta. on pavement
744	220		177° 24'	-1.85°	7.2	92°	-7.7	-14.9		790.1		-219	+17	1,594,853 730,961
745	440		175° 33'	-1.85°	5.8	92° 30'	-19.2	-25.0		780.0		-437	+48	1,594,635 730,992
746	660	659	174° 05'	-1.85°	4.3	92° 30'	-28.8	-33.1		777.9		-653	+89	1,594,419 731,033
747	880	879	173° 13'	-1.85°	7.2	92° -	-30.7	-37.9		767.1		-869	+132	1,594,203 731,076
IF	880	879	172° 40'	-1.85°	7.0	92° -	-30.7	-37.7		767.3		-868	+140	1,594,204 731,084 Frd (east)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
7/17/78		G. Cateamp		R. Hulsey		6834		G.W.C.		1		63				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Lake Russell/Homer		Georgia		Banks								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
									805.0							
748	1085		172°50'	-1.85°	14.0	91°20'	-25.2	-39.2		765.8		-1072	+170	1,594,000	731,114	bridge
748	1100		173°25'	-1.85°	10.9	91°30'	-28.8	-39.7		765.3	TP	-1088	+161+2	1,593,987	731,107	
748	1100				14.1	91°20'	-25.6	-39.7			TP	+3				
	878		4°43'+180°	-1.85°	+11.2	91°	+15.3	+26.5	791.8		BS	-877	-44+1			Curve
	878				+14.3	90°48'	+12.3	+26.6			BS	+4				
749	660		7° -	-1.85°	8.1	91°30'	-17.3	-25.4		766.4		+657	+59	1,593,771	731,123	
750	440		8°20'	-1.85°	6.8	92°	-15.3	-22.1		769.7		+437	+50	1,593,551	731,114	
751	220		10°5'	-1.85°	7.8	92°	-7.7	-15.5		776.3		+218	+32	1,593,332	731,096	
752	0				5.4	-		-5.4		786.4	X	0	0	1,593,114	731,064	
753	220		195°23'	-1.85°	5.0	87°	+11.5	+6.5		798.3		-214	-51	1,592,900	731,013	
754	440	439	" "	-1.85°	4.6	87°	+23.0	+18.4		810.2		-427	-103	1,592,687	730,961	
754 TP	660	639	199°10'	-1.85°	3.7	87°	+33.4	+29.7		821.5		-610	-190	1,592,504	730,874	driveway (east)
755	660	659	200° 8.7'	-1.85°	4.0	87°	+34.5	+30.5			TP	-626	-207+1	1,592,491	730,858	last sta. in Lake Russell
755	660				7.9	86°40'	+38.3	+30.4		822.2	TP	+3				
	440		30°22.4'+180°	-1.85°	+14.1	91°	+7.7	+21.8			BS	-387	-210			
	440				11.5	91°20'	+10.2	+21.7	843.9		BS	+4	+2			
756	220		30°22.4'	-1.85°	7.8	91°	-3.8	-11.6		832.3		+193	+105	1,592,301	730,755	first sta. in Homer quad.
757	0				5.4	-		-5.4		838.5	X	0	0	1,592,108	730,650	
758	220		210°39'	-1.85°	2.4	-		-2.4		841.5		-193	-106	1,591,915	730,544	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7/17/78		G. Cotcamp		R. Hulsey		6837		GwC		1	64					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Georgia		Homer		Georgia	Banks					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	
									843.9							
759	440		210°38.8'	-1.85°	0.9	-		-0.9		843.0	TP	-385	-212	1,591,726	730,439	
759	440				3.1	TH	+2.2	-0.9			TP	+3	+1			
	660		31°18.2'+180°	-1.85°	+9.4	-		+9.4		852.4	BS	-575	-325			
	660				12.7	TH	-3.3	+9.4			BS	+3	+2			
760	440		31°18.2'	-1.85°	8.3	-		-8.3		844.1		+383	+216	1,591,531	730,332	
761	220		" "	-1.85°	6.4	-		-6.4		846.0		+192	+108	1,591,346	730,224	
761	66		42°4'	-1.85°	4.2	-		-4.2		848.2		+50	+43	1,591,204	730,159	(RT. 51) 4-Way Intersect.
BM	350		87°30'	-1.85°	10.9	TH	+1.8	-9.1		843.3	BM	+27	+349	1,591,181	730,465	US GS "TT 47 CMN 1957" E1. 843.3 1,591,181, 730,465 Correct. X=36' y=+95' 465
762	0				5.4	-		-5.4		847.0	TP	0	0	1,591,154	730,116	
763	220		210°51'	-1.85°	8.5	-		-8.5		843.9		-192	-107	1,590,962	730,009	
764	440		" "	-1.85°	7.7	BH	-2.2	-9.9		842.5		-385	-213	1,590,769	729,903	
765	660		" "	-1.85°	7.4	BH	-3.3	-10.7		841.7		-577	-320	1,590,577	729,796	
766	670		209°50'	-1.85°	10.8	-		-10.8		841.6		-592	-314	1,590,562	729,802	T-rd (southeast)
766	880		210°51'	-1.85°	7.8	BH	-4.4	-12.2		840.2		-770	-427	1,590,384	729,689	
767	1100		" "	-1.85°	5.6	90°30'	-9.6	-15.2		837.2		-962	-533	1,590,192	729,583	
768	1320		209°54.6'	-1.85°	14.4	90°30'	-7.7	-22.1		830.3	TP	-1165	-621+1	1,589,991	729,496	
768	1320				10.7	90°30'	-11.5	-22.2			TP	+2				
	1316		15°21.2'+180°	-1.85°	+14.2	90°24'	+9.2	+23.4		853.7	BS	-1280	-307+1			Curve
	1316		"		+11.9	90°30'	+11.5	+23.4			BS	+2				↓
769	1100		13°51'	-1.85°	3.0	91°30'	-28.8	-31.8		821.9		+1076	+229	1,589,789	729,419	↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/17/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulcey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 65
AREA Georgia	TOPO MAP Homer	STATE Georgia	COUNTY Banks	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.	
									8537					
770	880	879	12°5'	-1.85°	5.9	92°	-30.7	-36.4		817.1		+865	+156	1,589,578 729,346
771	660	659	10°38'	-1.85°	6.8	92°30'	-28.8	-35.6		818.1		+651	+101	1,589,364 729,291
772	440		9°8'	-1.85°	8.0	92°30'	-19.2	-27.2		826.5		+436	+56	1,589,149 729,246
773	220		7°45'	-1.85°	8.2	92°	-7.7	-15.9		837.8		+219	+23	1,588,932 729,213
774	0				5.4	-		-5.4		848.3	X	0	0	1,588,713 729,190
775	220		182°12'	-1.85°	2.4	88°	+7.7	+5.3		859.0		-220	-1	1,588,493 729,189
776	440	439	181°28'	-1.85°	6.9	87°	+23.0	+16.1		869.8		-439	+3	1,588,274 729,193
777	660	659	179°58'	-1.85°	7.6	87°	+34.5	+26.9		880.6		-659	+22	1,588,054 729,212
778	880	879	178°41.3'	-1.85°	11.3	87°	+46.0	+34.7		888.4	TP	-878	+48+1	1,587,837 729,239
778	880				1.1	87°40'	+35.8	+34.7			TP	+2		
	880		353°15.3' - 780°	-1.85°	+13.1	91°	+15.4	+28.5	916.9		BS	-870	+132	
	880				14.7	90°59'	+13.8	+28.5			BS	+2	+1	
779	660		353°15.3'	-1.85°	8.3	91°10'	-13.4	-21.7		895.2		+653	-99	1,587,622 729,273
780	440		" "	-1.85°	7.6	91°	-7.7	-15.3		901.6		+435	-66	1,587,404 729,306
781	220		" "	-1.85°	9.2	-		-9.2		907.7		+218	-33	1,587,187 729,339
782	0				5.4	-		-5.4		911.5	X	0	0	1,586,969 729,372
783	220		172°44'	-1.85°	4.4	-		-4.4		912.5		-217	+35	1,586,752 729,407
784	440		" "	-1.85°	5.9	-		-5.9		911.0		-434	+70	1,586,535 729,442
785	660		" "	-1.85°	8.2	-		-8.2		908.7		-652	+105	1,586,317 729,477

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7/17/78		G. Cotcamp		R. Newton R. Hulsey		6834		G.W.C.		1	66						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Georgia		Homer		Georgia		Banks					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		
									916.9								
786	880		171° 38.4'	-1.85°	10.5	-		-10.5		906.4	TP	-866	+156	1,586,105	729,529		
786	880				14.9	TH	+4.4	-10.5			TP	+2	+1				
	1315		333° 12.1' - 180°	-1.85°	+4.1	TH	-6.6	-2.5			BS	-1154	+630			curve	
	1315				4.4	89° 16'	-16.8	-2.4	904.0		BS	+2	+1				
787	1098		331° 31'	-1.85°	4.9	TH	+5.5	+0.6		904.6		+948	-555	1,585,901	729,605		
	990		331° 25'	-1.85°	1.2	-		-1.2		902.8		+854	-501	1,585,807	729,659	4-way Intersect	
788	880		330° 15'	-1.85°	2.7	-		-2.7		901.3		+750	-461	1,585,703	729,699		
789	660		" "	-1.85°	6.0	-		-6.0		898.0		+562	-346	1,585,515	729,814		
790	440		" "	-1.85°	7.8	-		-7.8		896.2		+375	-231	1,585,328	729,929		
791	220		" "	-1.85°	7.0	-		-7.0		897.0		+187	-115	1,585,140	730,045		
792	0				5.4			-5.4		898.6	X	0	0	1,584,953	730,160		
793	220		150° 15.4'	-1.85°	3.8	-		-3.8		900.2		-187	+115	1,584,766	730,275		
794	440		" "	-1.85°	2.0	-		-2.0		902.0		-375	+231	1,584,578	730,391		
795	660		" "	-1.85°	1.3	-		-1.3		902.7		-562	+346	1,584,391	730,506		
796	880		" "	-1.85°	2.9	TH	+4.4	+1.5		905.5		-750	+461	1,584,203	730,621		
797	1100		" "	-1.85°	2.0	89° 30'	+9.6	+7.6		911.6		-937	+576	1,584,016	730,736		
798	1320		" "	-1.85°	7.1	89°	+23.0	+15.9		919.9		-1124	+692	1,583,829	730,852		
799	1540		150° 15.4'	-1.85°	6.8	89°	+26.9	+20.1	+20.0	924.0	TP	-1312	+807	1,583,645	730,967		
799	1540				14.1	88° 44'	+34.0	+19.9			TP	+4					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7/17/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1		67			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Homer		Georgia		Cooks								L.D. Evans	
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
799										924.0					
	440		332°13.4'-180°	-1.85°	+7.9	89°	-7.7	+0.2	924.2		BS	-382	+218		
	440				+2.4	TH	-2.2	+0.2			BS		+4		
800	220		332°13.4'	-1.85°	0.7	-		-0.7		923.5		+191	-109	1,583,458	731,076
801	0				5.4	-		-5.4		918.8	TP	0	0	1,583,267	731,185
802	220		156°55'	-1.85°	9.0	91°	-3.8	-12.8		911.4		-199	+93	1,583,068	731,278
803	440		156°50'	-1.85°	9.3	91°	-4.9	-14.2		910.0		-252	+118	1,583,015	731,303
803	440		160°42.3'	-1.85°	9.2	91°	-7.7	-16.9		907.3	TP	-410	+159	1,582,861	731,344
803	440				19.7	8H	-2.2	-16.9			TP		+4		
	440		349°34.6'-180°	-1.85°	+8.5	-		+8.5	915.8		BS	-430	+94		
	440				+10.7	TH	-2.2	+8.5			BS		+4		
804	220		349°34.6'	-1.85°	7.5	-		-7.5		908.3		+215	-47	1,582,650	731,391
805	0				5.3	-		-5.3		910.5	TP	0	0	1,582,435	731,438
806	220		175°30'	-1.85°	3.2	-		-3.2		912.6		-219	+24	1,582,216	731,462
IF	313		174°35'	-1.85°	1.6	-		-1.6		914.2	TP	-310	+40	1,582,128	731,478
IF	313				3.2	TH	+1.6	-1.6			TP		+3		Intersect. line jogs east
	540		289°58.6'-180°	-1.85°	+7.5	89°	-9.4	-1.9	912.3		BS	-168	+513		
	540				+12.2	88°30'	-14.1	-1.9			BS		+3		
807	440		289°2'	-1.85°	5.3	88°5'	+8.4	+3.1		915.4		+130	-420	1,582,093	731,571
808	220		" "	-1.85°	2.1	89°	+3.8	+1.7		914.0		+65	-210	1,582,028	731,781
809	0				5.3	-		-5.3		907.0	TP	0	0	1,581,963	731,991

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/17/78	INSTRUMENT MAN G. Co. Teamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 7	PAGE 68
AREA Georgia	TOPO MAP Homer	STATE Georgia	COUNTY Banks/Franklin	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.	
									912.3					
810	220		105°5'	-1.85°	6.8	92°-	-7.7	-14.5		897.8		-50	+214	1,581,913 732,205
811	440		102°40'	-1.85°	8.4	92°-	-15.3	-23.7		888.6		-83	+432	1,581,880 732,423
812	660		100°32'	-1.85°	8.3	92°-	-23.0	-31.3		881.0	TP	-100	+652	1,581,866 732,643
812	660				14.1	91°30'	-17.3	-31.4			TP	+3		
	1100		277°10' -180°	-1.85°	+8.7	-		+8.7		889.7	BS	-102	+1095	
	1100				+14.2	TH	-5.5	+8.7			BS	+3		
813	880		277°10'	-1.85°	7.8	BH	-4.4	-12.2		877.5		+82	-876	1,581,849 732,862
814	660		" "	-1.85°	7.9	BH	-3.3	-11.2		878.5		+61	-657	1,581,828 733,081
815	440		" "	-1.85°	9.4	-		-9.4		880.3		+41	-438	1,581,808 733,300
816	220		" "	-1.85°	7.7	-		-7.7		882.0		+20	-219	1,581,787 733,519
817	0				5.3	-		-5.3		884.4	TP	0	0	1,581,767 733,738
TP	202		93°20'	-1.85°	4.7	-		-4.7		885.0		-5	+202	1,581,762 733,940
818	210		103°32'	-1.85°	5.1	-		-5.1		884.6	TP	-43-1	+206-1	1,581,723 733,993
818	210				8.8	89°-	+3.7	-5.1			TP			line jogs south
	660		349°55.7' -180°	-1.85°	+3.1	88°-	-23.0	-19.9		864.7	BS	-646-1	+136-1	
	660				1.2	88°10'	-21.1	-19.9			BS			
819	440		349°55.7'	-1.85°	4.4	89°-	+7.7	+3.3		868.0		+431	-91	1,581,507 733,987
820	220		" "	-1.85°	1.9	TH	+1.1	-0.8		863.9		+215	-45	1,581,291 734,033
821	0				5.4	-		-5.4		859.3	TP	0	0	1,581,026 734,078
822	220		164°32.4'	-1.85°	7.5	91°-	-3.8	-11.3		853.4		-210	+65	1,580,866 734,143

half correction
y=45 x=76
T-intersect. 1,581,760
733,940 scaled

last sta in Banks Co
First Sta in Franklin Co.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/18/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY C.W.C.	LINE NO. 1	PAGE 69
AREA Georgia	TOPO MAP Homoc	STATE Georgia	COUNTY Franklin	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
									864.7						
823	440		164°32.4'	-1.85°	10.2	91° -	-7.7	-17.9			TP	-420	+131-1	1,580,655 734,208	T.P. opposite station
823	440				14.0	90°30'	-3.8	-17.8		846.9	TP				
	222		357°27.5'-180°	-1.85°	+4.3	-		+4.3	851.2		BS	-221-1	+17-1		
	222				+5.4	TH	-1.1	+4.3			BS				
824	0				5.4	-		-5.4		845.8	TP	0	0	1,580,433 734,224	
825	220		186° -	-1.85°	3.4	-		-3.4		847.8		-219	-16	1,580,214 734,208	
826	435		184°183'	-1.85°	4.7	TH	+2.2	-2.5		848.7	TP	-435	-19-1	1,579,997 734,204	Curve
826	435				5.1	89°40'	+2.5	-2.6			TP				
	216		315°36.2'-180°	-1.85°	+7.5	-		+7.5	856.2		BS	-149-1	+156-1		Curve
	216				+8.6	TH	-1.1	+7.5			BS				
827	0				5.3	-		-5.3		850.9	TP	0	0	1,579,847 734,359	
828	220		96°28'	-1.85°	2.3	-		-2.3		853.9		-18	+219	1,579,829 734,578	
829	440		94°29.7'	-1.85°	3.1	-		-3.1		853.1	TP	-20-1	+440	1,579,826 734,798	
829	440				5.3	TH	+2.2	-3.1			TP				
	220		272°41.9'-180°	-1.85°	+4.6	-		+4.6	857.7		BS	-3-1	+220		
	220				+5.7	TH	-1.1	+4.6			BS				
830	0				5.3	-		-5.3		852.4	TP	0	0	1,579,822 735,017	
831	220		130°32.4'	-1.85°	5.0	-		-5.0		852.7		-138	+172	1,579,684 735,189	
832	440		130°32.4'	-1.85°	5.0	-		-5.0		852.7		-275	+343	1,579,547 735,360	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/18/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY RAH	LINE NO. 1	PAGE 70
AREA Georgia	TOPO MAP Homer	STATE Georgia	COUNTY Franklin	TWP	PARTY MANAGER L.O. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									857.7					
833	660		130°32.4'	-1.85°	4.1	-		-4.1	853.6	TP	-413	+515-1	1,579,408	735,531
833	660				7.4	TH	+3.3	-4.1						
	440		327°38.4'-180°	-1.85°	+10.5	-		+10.5	864.1	BS	-364	+247-		
	440				12.7	TH	-2.2	+10.5						
834	220		333°25'	-1.85°	7.4	-		-7.4	856.7		+193	-105	1,579,236	735,672
835	0				5.3	-		-5.3	858.8	X	0	0	1,579,043	735,777
836	220		170°37'	-1.85°	3.0	-		-3.0	861.1		-216	+43	1,578,827	735,820
837	440		168°12.2'	-1.85°	1.2	-		-1.2	862.9	TP	-428	+104	1,578,614	735,880
837	440				3.4	TH	+2.2	-1.2						
	436		328°34.-180°	-1.85°	+6.5	TH	-2.2	+4.3	867.2	BS	-364	+239-		Curve
	436				11.9	89°-	-7.6	+4.3						
838	220		324°16'	-1.85°	0.7	-		-0.7	866.5		+174	-134	1,578,423	735,984
839	0				5.4	-		-5.4	861.8	X	0	0	1,578,249	736,118
840	220		128°39'	-1.85°	8.7	92°-	-7.7	-16.4	850.8		-132	+176	1,578,117	736,294
841	429		118°17.8'	-1.85°	11.3	91°-	-7.5	-18.8	848.4	TP	-191-1	+384	1,578,057	736,501
841	429				13.8	90°40'	-5.0	-18.8						
	440		278°5.3'-180°	-1.85°	+6.1	TH	-2.2	+3.9	852.4	BS	-48-1	+437		
	440				7.8	89°30'	-3.8	+4.0						
842	220		278°5.3'	-1.85°	2.0	TH	+1.1	-0.9	851.5		+24	-219	1,578,032	736,718
842	117		279°5'	-1.85°	0.2	-		-0.2	852.2		+15	-116	1,578,223	736,821

Y-intersect. (west)

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 7/18/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R/H	LINE NO. 1	PAGE 71
AREA Georgia	TOPO MAP	STATE Georgia	COUNTY Franklin	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			
									8524									
843	0				5.4	-		-5.4		847.0	T	0	0	1,578,008	736,937			
844	220		99°50'	-1.85°	9.0	91°	-3.8	-12.8		839.6		-31	+218	1,577,977	737,155			
845	440		" "	-1.85°	5.8	92°	-15.3	-21.1		831.3		-61	+436	1,577,947	737,373			
846	660		98°44'	-1.85°	4.0	92°	-23.0	-27.0		825.4	TP	-79	+655	1,577,928	737,591			
846	660				9.8	91°30'	-17.3	-27.1			TP							
	223		287°34'-180°	-1.85°	74.5	-		+4.5	829.9		BS	-60	+215					
	223				73.4	BH	+1.1	+4.5			BS							
847	0				5.4	-		-5.4		824.5	T	0	0	1,577,867	737,805			set up opposite sta.
848	220		136°8.5'	-1.85°	4.6	87°	+11.5	+6.9		836.8		-154	+157	1,577,713	737,962			
849	440	439	136°8.5'	-1.85°	9.4	87°	+23.0	+13.6		843.5	TP	-307	+314	1,577,559	738,118			
849	440				1.8	88°	+15.3	+13.5			TP	-1	-1					
	660		328°20'-180°	-1.85°	+12.8	BH	+3.3	+16.1	859.6		BS	-550	+364					
	660				14.2	90°10'	+1.9	+16.1			BS	-1	-1					
850	440		328°20'	-1.85°	8.7	90°30'	-3.8	-12.5		847.1		+367	-243	1,577,375	738,238			
851	220		" "	-1.85°	8.0	-		-8.0		851.6		+183	-121	1,577,191	738,360			
851	145		331°45'	-1.85°	6.6	-		-6.6		853.0		+125	-73	1,577,133	738,408			T-rod (west) of 854.
852	0				5.4	-		-5.4		854.2	T	0	0	1,577,008	738,481			
853	220		135°55'	-1.85°	4.0	-		-4.0		855.6	TP	-153	+158	1,576,855	738,638			
853	220				5.1	TH	+1.1	-4.0			TP							

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE								
7/18/78		G. Cotcamp		R. Hulsey		6837		G.W.C.		1	72								
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER											
Georgia			Georgia	Franklin				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				
853										855.6									
	440		299°57.8'-180°	-1.85°	+2.4	-	.	+2.4	858.0		BS	-173	+405						
	440				+4.6	TH	-2.2	+2.4			BS		-1						
854	220		299°57.8'	-1.85°	3.6	-		-3.6		854.4		+86	-202	1,576,768	738,840				
855	0				5.3	-		-5.3		852.7	X	0	0	1,576,682	739,042				
856	220		101°26.8'	-1.85°	14.3	-		-14.3		843.7	TP	-3.7	+217-1	1,576,645	739,258				
856	220				13.2	BH	-1.1	-14.3			TP								
	440		266°9.6'-180°	-1.85°	+3.1	-		+3.1	846.8		BS	+44	+438						
	440				+5.3	TH	-2.2	+3.1			BS		-1						
857	220		266°9.6'	-1.85°	4.3	-		-4.3		842.5		-22	-219	1,576,667	739,476				
857	92		263°57'	-1.85°	4.2	-		-4.2		842.6		-13	-91	1,576,676	739,604				Y-intersect
858	0				5.5	-		-5.5		841.3	X	0	0	1,576,689	739,695				
859	220		81°54.6'	-1.85°	14.6	-		-14.6		832.2	TP	+38	+217-1	1,576,727	739,911				
859	220				13.5	BH	-1.1	-14.6			TP								
	660		270°57.4'-180°	-1.85°	+6.2	89°	-11.5	-5.3	826.9		BS	+10	+660						
	660				+13.9	88°20'	-19.2	-5.3			BS		-1						
860	440		270°57.4'	-1.85°	4.7	-		-4.7		822.2		-7	-440	1,576,730	740,130				
861	220		" "	-1.85°	9.0	-		-9.0		817.9		-3	-220	1,576,734	740,350				
862	0				5.4	-		-5.4		821.5	X	0	0	1,576,737	740,570				
863	220		99°15'	-1.85°	5.4	-		-5.4		821.5		-28	+218	1,576,709	740,788				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/18/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R/H	LINE NO. 1	PAGE 73
AREA Georgia	TOPO MAP 11	STATE Georgia	COUNTY Franklin	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.	
									826.9					
864	440		97°53.4'	-1.85°	0.5	-		-0.5			TP	-46	+438	1,576,691 741,007
864	440				2.6	TH	+2.2	-0.4		826.5	TP		-1	
	220		272°52'-180°	-1.85°	+12.2	-		+12.2		838.7	BS	-4	+220	
	220				13.3	TH	-1.1	+12.2			BS		-1	
865	0				5.4	-		-5.4		833.3	X	0	0	1,576,687 741,226
866	220		112°0' 480	-1.85°	1.8	-		-1.8		836.9	TP	-76	+207	1,576,611 741,432
866	220				2.9	TH	+1.1	-1.8			TP		-1	
	440		315°5.7'-180°	-1.85°	+14.2	-		+14.2		851.1	BS	-301	+321	
	440				12.0	BH	+2.2	+14.2			BS		-1	
867	220		318°13'	-1.85°	9.4	BH	-1.1	-10.5		840.6		+159	-152	1,576,469 741,600
868	0				5.4	-		-5.4		845.7	X	0	0	1,576,310 741,752
869	220		139° -	-1.85°	1.8	-		-1.8		849.3		-161	+150	1,576,149 741,902
870	440		" "	-1.85°	5.1	-		-5.1		846.0		-323	+299	1,575,987 742,051
871	660		139° -	-1.85°	8.7	-		-8.7		842.4	TP	-484	+449	1,575,826 742,201
871	660				5.4	BH	-3.3	-8.7			TP			
	220		330°55'-180°	-1.85°	+4.1	-		+4.1		846.5	BS	-189	+113	
	220				5.2	TH	-1.1	+4.1			BS			
872	0				5.4	-		-5.4		841.1	X	0	0	1,575,637 742,314
873	220		164°50.4'	-1.85°	5.9	-		-5.9		840.6	TP	-210	+64	1,575,427 742,378
873	220				7.0	TH	+1.1	-5.9			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GE0-445'

Geosource Inc.

DATE 7/18/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6837	NOTES CHECKED BY RH	LINE NO. 1	PAGE 74
AREA Georgia	TOPO MAP	STATE Georgia	COUNTY Franklin	TWP	RANGE	PPM
					PARTY MANAGER L.O. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	COORDINATES		REMARKS		
														Y	X			
873									840.6									
	218		312°40' - 180°	-1.85°	+11.8	-		+11.8	852.4		BS	-143	+165				curve	
	218				+12.9	TH	-1.1	+11.8			BS							
874	0				5.3	-		-5.3	847.1		X	0	0	1,575,284	742,543			
875	220		144°6'	-1.85°	7.8	91°-	-3.8	-11.6	840.8			-174	+135	1,575,110	742,678			
876	440		145°5'	-1.85°	9.3	91°20'	-10.2	-19.5	832.9			-352	+263	1,574,932	742,806			
877	660		143°27.3'	-1.85°	14.9	91°	-11.5	-26.4	826.0		TP	-517	+410	1,574,767	742,953		E.O.L.	
877	660				13.0	91°10'	-13.4	-26.4			TP							
	2000		226°32' - 180°	-1.85°	+9.2	89°-	-34.9	-25.7			BS	+1422	+1406				note: for future reference -	
	2000				+140	88°52'	-39.6	-25.6	800.4		BS							sta. 877 is marked with a
TP	758		143°59.3'	-1.85°	11.4	-		-11.4	789.0		TP	-598	+465	1,575,591	744,824			flagged spike in pavement
TP	758				7.6	BH	-3.8	-11.4			TP							
	985	984	302°21.3' - 180°	-1.85°	+8.5	87°-	-51.5	-43.0	746.0		BS	-499	+848					
	985				+27	87°20'	-45.8	-43.1			BS							
TP	1100	1099	60 42.6'	-1.85°	13.2	88°-	+38.4	+25.2	771.2		TP	+568	+941	1,575,660	746,613			
TP	1100				14.5	87°36'	+39.6	+25.1			TP							
	1260		247°40.6' - 180°	-1.85°	+143	90°42'	+15.4	+29.7	800.9		BS	+516	+1150					horizontal correction
	1260				+136	90°44'	+16.1	+29.7			BS							y = 78 x = 28
BM	1725		71°42'	-1.85°	14.2	89°24'	+18.1	+3.9	804.8			+594	+1619	1,576,770	749,382			USGS "35 CMN 1959"
BM	1725				13.2	89°26'	+17.1	+3.9										EI. 805.3
																		1,576,770 + 749,382
																		USGS control data

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-425

850-450 Geosource Inc. Client-COCORP

DATE 10/16/78	INSTRUMENT MAN G. Coitcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 75
AREA Georgia	TOPO MAP Ashland 7.5'	STATE Georgia	COUNTY Franklin	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.	
TP 1100				1°51'						771.2				Instrument - Wild T-1A Chaining - Leitz Fiberglass tape + steel arrows
BS	2255		58°12' +180°	1.85°	+3.0	TH	-11.3	-8.3	762.9		BS	-1250	-1877	turn point on previous Traverse
BS	2255				+14.0	89°26'	-22.3	-8.3			BS			
TP	0				5.4	-		-5.4		757.5	X	0	0	Traverse
886	75		147°52'	-1.85°	3.3	-		-3.3		759.6		-62	+42	
887	295		"	-1.85°	4.1	87°-	+15.4	+11.3		774.2		-245	+165	note: 1980' gap
888	515	514	"	-1.85°	0.2	87°-	+26.9	+26.7		789.6		-426	+287	(scaled) between
889	735	734	"	-1.85°	3.8	86°30'	+44.8	+41.0		803.9		-609	+410	877 and 886 due
TP	785	784	147°19'	-1.85°	4.9	86°30'	+47.8	+42.9		805.8		-646	+444	to Interstate 85.
890	955	953	147°52'	-1.85°	12.3	86°30'	+58.2	+45.9		808.8	TP	-790	+533	
890	955				14.5	86°22'	+60.4	+45.9			TP			
	878		324°45.5' -180°	-1.85°	+14.4	88°06'	-29.1	-14.7	794.1		BS	-700	+529	
	878				+8.3	88°30'	-23.0	-14.7			BS			
891	660		323°58'	-1.85°	3.2	89°-	+11.5	+8.3		802.4		+521	-405	
892	440		322°9'	-1.85°	8.4	89°-	+7.7	-0.7		793.4		+339	-281	
893	220		318°46'	-1.85°	5.8	-		-5.8		788.3		+161	-150	
894	0				5.4	-		-5.4		788.7	X	0	0	
TP	200		121°10'	-1.85°	6.7	-		-6.7		787.4		-98	+174	Tr-d (south)
895	220		124°09'	-1.85°	6.2	-		-6.2		787.9		-118	+186	
896	440		121°12.5'	-1.85°	5.1	-		-5.1		789.0		-216	+383	
897	660		"	-1.85°	4.1	-		-4.1		790.0		-324	+575	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/16/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY GWC	LINE NO. 1	PAGE 76
AREA Georgia	TOPO MAP Ashland	STATE Georgia	COUNTY Franklin	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.	
									794.1					
898	880		121° 12.5'	-1.85°	3.7	-		-3.7		790.4		-431	+767	1,572,489 746,565
899	1100		"	-1.85°	3.0	-		-3.0		791.1		-539	+959	1,572,381 746,757
900	1320		121° 12.5'	-1.85°	2.5	-		-2.5			TP	-647	+1150	1,572,273 746,948
900	1320				9.0	TH	+6.6	-2.4		791.7	TP			
	1760		311° 58' -180°	-1.85°	+14.8	-		+14.8	806.5		BS	-1113	+1363	
	1760				+6.0	BH	+8.8	+14.8			BS			
901	1540		311° 58'	-1.85°	13.9	-		-13.9		792.6		+974	-1193	1,572,134 747,118
902	1320		"	-1.85°	12.9	-		-12.9		793.6		+835	-1022	1,571,995 747,289
903	1100		"	-1.85°	12.0	-		-12.0		794.5		+696	-852	1,571,856 747,459
904	880		"	-1.85°	10.7	-		-10.7		795.8		+557	-681	1,571,717 747,630
905	660		"	-1.85°	9.9	-		-9.9		796.6		+418	-511	1,571,578 747,800
906	440		"	-1.85°	7.8	-		-7.8		798.7		+278	-341	1,571,438 747,970
907	220		"	-1.85°	5.6	-		-5.6		800.9		+139	-170	1,571,299 748,141
908	0				5.3	-		-5.3		801.2	TP	0	0	1,571,160 748,311
909	220		120° 58.7'	-1.85°	9.5	-		-9.5		797.0		-107	+192	1,571,053 748,503
910	440		"	-1.85°	13.0	-		-13.0		793.5		-214	+384	1,570,946 748,695
911	660		"	-1.85°	13.4	BH	-3.3	-16.7		789.8		-321	+577	1,570,839 748,888
912	880		"	-1.85°	11.6	90° 30'	-7.7	-19.3		787.2		-428	+769	1,570,732 749,080
913	1100		"	-1.85°	13.1	90° 30'	-9.6	-22.7		783.8		-535	+961	1,570,625 749,272
914	1320		"	-1.85°	10.3	90° 40'	-15.4	-25.7		780.8		-643	+1153	1,570,517 749,464

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
10/16/78		G. Co. Camp		R. Hulsey		6834		GWC		1	77					
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
Georgia		Ashland		Georgia	Franklin				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	
									806.5							
915	1540		120°58.7'	-1.85°	9.8	90°40'	-17.9	-27.7		778.8		-750	+1345	1,570,410	749,656	
916	1760		" "	-1.85°	7.2	90°40'	-20.5	-27.7		778.8		-857	+1537	1,570,303	749,848	
917	1980		120°58.7'	-1.85°	4.0	90°40'	-23.0	-27.0			TP	-964	+1729	1,570,196	750,040	
917	1980				14.1	90°22'	-12.7	-26.8		779.7	TP					
	220		319°10'-180°	-1.85°	+5.4	-		+5.4		785.1	BS	-162	+149			
	220				+6.5	TH	-1.1	+5.4			BS					
1F	75		332°50'	-1.85°	4.3	-		-4.3		780.8	X	+66	-36	1,570,100	750,153	T-rd(north)
918	0				5.4	-		-5.4		779.7	X	0	0	1,570,034	750,189	
919	220		151°29'	-1.85°	9.4	-		-9.4		775.7	TP	-190	+111	1,569,844	750,300	
919	220				10.5	TH	+1.1	-9.4			TP					
	438		351°39.4'-180°	-1.85°	+7.7	88°-	-15.3	-7.6		768.1	BS	-431	+77			Curve
	438				+6.2	88°12'	-13.8	-7.6			BS					
920	220		0°22'	-1.85°	4.6	88°-	+7.7	+3.1		771.2		+220	-6	1,569,633	750,371	
921	0				5.3	-		-5.3		762.8	X	0	0	1,569,413	750,377	
922	220		191°9.6'	-1.85°	6.1	93°-	-11.5	-17.6		750.5		-217	-36	1,569,196	750,341	
923	440	439	" "	-1.85°	7.2	93°-	-23.0	-30.2		737.9		-433	-71	1,568,980	750,306	
≠	587	586	190°-	-1.85°	7.9	93°-	-30.7	-38.6		729.5		-580	-83	1,568,833	750,294	T-rd.(northwest)
924	660	659	191°9.6'	-1.85°	8.8	93°-	-34.5	-43.3		724.8		-650	-107	1,568,763	750,270	
925	880	879	" "	-1.85°	10.2	93°-	-46.0	-56.2		711.9		-867	-142	1,568,546	750,235	
926	1100	1098	" "	-1.85°	8.2	93°-	-57.5	-65.7		702.4		-1084	-178	1,568,329	750,199	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/16/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 79
AREA Georgia	TOPO MAP Ashland	STATE Georgia	COUNTY Franklin	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			
									741.9									
941	1100	1098	185°54'	-1.8°	13.1	87°-	+57.5	+44.4			TP	-1095	-79	1,565,052	749,854			
941	1100				5.4	87°24'	+49.9	+44.5		786.4	TP							
	435		339°50.7'-180°	-1.8°	+5.2	88°-	-15.2	-10.0	776.4		BS	-403	+163				Curve	
	435				+9.0	87°30'	-19.0	-10.0			BS							
942	220		331°16'	-1.8°	1.4	88°-	+7.7	+6.3		782.7		+189	-112	1,564,838	749,905			
≠	150		333°30'	-1.8°	2.9	88°-	+5.2	+2.3		778.7		+132	-71	1,564,781	749,946		Frd (southwest)	
943	0				5.3	-	-	-5.3		771.1	TP	0	0	1,564,649	750,017			
944	220		136°49.6'	-1.8°	12.8	-	-	-12.8		763.6		-156	+155	1,564,493	750,172			
945	440		'	-1.8°	13.2	BH	-2.2	-15.4		761.0		-311	+311	1,564,338	750,328			
946	660		'	-1.8°	13.1	-	-	-13.1		763.3		-467	+466	1,564,182	750,483			
947	880		'	-1.8°	10.7	-	-	-10.7		765.7		-623	+622	1,564,026	750,639			
948	1100		136°49.6'	-1.8°	13.8	-	-	-13.8		762.6	TP	-778	+777	1,563,871	750,794			
948	1100				8.3	BH	-5.5	-13.8			TP							
	1540		307°17'-180°	-1.8°	+9.7	-	-	+9.7	772.3		BS	-894	+1254					
	1540				+2.0	BH	+7.7	+9.7			BS							
949	1320		307°17'	-1.8°	10.5	BH	-6.6	-17.1		755.2		+766	-1075	1,563,743	750,973			
950	1100		"	-1.8°	7.0	91°-	-19.2	-26.2		746.1		+639	-896	1,563,616	751,152			
≠	895		307°02'	-1.8°	13.7	91°0'	-18.2	-31.9		740.4		+516	-731	1,563,493	751,317		church T-rd (south)	
951	880		306°49'	-1.8°	6.7	91°40'	-25.6	-32.3		740.0		+511	-717	1,563,488	751,331			
952	660		"	-1.8°	10.0	91°40'	-19.2	-29.2		743.1		+383	-537	1,563,360	751,511			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/16/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6837	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 81
AREA Georgia	TOPO MAP Ashland	STATE Georgia	COUNTY Franklin	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.	
									773.8					
965	1320		92° 27.6'	-1.8°	9.4	-		-9.4		764.4	TP	-15	+1320	1,562,248 753,675
965	1320				2.8	BH	-6.6	-9.4			TP			
	660		272° 35.8' -180°	-1.8°	+2.6	TH	-3.3	-0.7	763.7		BS	-9	+660	
	660				5.0	89° 30'	-5.8	-0.8			BS			
966	440		272° 35.8'	-1.8°	1.3	-		-1.3		762.4		+6	-440	1,562,245 753,895
967	220		" "	-1.8°	3.7	-		-3.7		760.0		+3	-220	1,562,242 754,115
968	0				5.3	-		-5.3		758.4	TP	0	0	1,562,239 754,335
TP	23		73° 3'	-1.8°	5.1	-		-5.1		758.6		+7	+22	1,562,246 754,357 trail (north)
969	220		104° -	-1.8°	5.7	-		-5.7		758.0		-46	+215	1,562,193 754,550
TP	284		103° 26'	-1.8°	5.5	-		-5.5		758.2		-57	+278	1,562,182 754,613 Y-intersect
970	436		110° 5.6'	-1.8°	5.7	-		-5.7		758.0	TP	-137	+414	1,562,102 754,747
970	436				7.8	TH	+2.2	-5.6			TP			
	880		303° 56' -180°	-1.8°	+8.4	BH	+4.4	+12.8	770.8		BS	-468	+745	
	880				6.2	90° 26'	+6.7	+12.9			BS			
971	660		303° 56'	-1.8°	12.4	-		-12.4		758.4		+351	-559	1,561,985 754,935
972	440		" "	-1.8°	12.9	BH	-2.2	-15.1		755.7		+234	-373	1,561,868 755,121
973	220		" "	-1.8°	13.4	-		-13.4		757.4		+117	-186	1,561,751 755,308
974	0				5.4	-		-5.4		765.4	TP	0	0	1,561,634 755,494
975	220		123° 57.5'	-1.8°	0.9	89° -	+3.8	+2.9			TP	-117	+186	1,561,517 755,680
975	220				4.7	88° -	+7.7	+3.0		773.8	TP			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 10/16/78		INSTRUMENT MAN G. Cotcamp		ROD MAN R. Hulsey		PARTY NUMBER 6837		NOTES CHECKED BY R.J.H.		LINE NO. 1		PAGE 82				
AREA Georgia		TOPO MAP Ashland		STATE Georgia		COUNTY Franklin		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
975										773.8						
	220		311°52.2'	-18°	78.5	-		+8.5	782.3		BS	-142	+168			
	220				79.6	74	-1.1	+8.5		BS						
IF	51		325°10'	-18°	53	-		-5.3		777.0		+41	-30	1,561,416	755,818	Trail (east)
976	0				5.3	-		-5.3		777.0	X	0	0	1,561,375	755,848	
977	220		148°6.6'	-18°	7.2	-		-7.2		775.1		-183	+122	1,564,192	755,970	
978	440		"	-18°	3.2	-		-3.2		779.1		-366	+244	1,564,009	756,092	
979	660		148°66'	-18°	1.3	89°30'	+5.8	+4.5		786.8	TP	-549	+366	1,560,826	756,214	
979	660				12.9	88°30'	+17.3	+4.4			TP					
	440		329°15.5'	-18°	+13.0	84	+2.2	+15.2	802.0		BS	-371	+237			
	440				+13.2	90°16'	+2.0	+15.2		BS						
Y	307		330°10'	-18°	12.0	-		-12.0		790.0		+261	-161	1,560,716	756,290	1,560,730 + 756,280 (scaled) T-rd (north) el. 790.
980	220		329°15.5'	-18°	10.1	-		-10.1		791.9		+185	-118	1,560,640	756,333	
981	0				5.3	-		-5.3		796.7	X	0	0	1,560,455	756,451	Trail (southwest)
982	220		146°10.4'	-18°	13.0	91°	-3.8	-16.8		785.2		-179	+128	1,560,276	756,579	
983	440		"	-18°	13.2	91°	-7.7	-20.9		781.1		-358	+256	1,560,097	756,707	
984	660		146°10.4'	-18°	10.8	91°	-11.5	-22.3	779.7		TP	-536	+384.2	1,559,919	756,837	
984	660				14.6	90°40'	-7.7	-22.3		TP						
	1100		329°35.6'	-18°	+12.0	84	+5.5	+17.5	797.2		BS	-931	+586.2			
	1100				+14.9	90°08'	+2.6	+17.5		BS						
985	880		329°35.6'	-18°	6.1	91°	-15.4	-21.5		775.7		+715	-513	1,559,703	756,908	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10/16/78		G. Co. Camp		R. Hulsey		6834		R. J. H.		1		83			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Ashland		Georgia		Franklin								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
									797.2						
986	660		329° 35.6'	-1.8°	12.2	91°-	-11.5	-23.7		773.5		+558	-352	1,559,546	757,073
987	440		" "	-1.8°	11.7	91°20'	-10.2	-21.9		775.3		+372	-234	1,559,360	757,191
988	220		" "	-1.8°	12.1	91°-	-3.8	-15.9		781.3		+186	-117	1,559,174	757,308
989	0				5.3	-		-5.3		791.9	X	0	0	1,558,988	757,425
990	47		132° 57'	-1.8°	4.1	-		-4.1		793.1		-31	+35	1,558,957	757,460 T-rd (west)
990	220		144° 40'	-1.8°	4.1	-		-4.1		793.1		-175	+133	1,558,813	757,558
991	440		142° 23'	-1.8°	6.9	-		-6.9		790.3	TP	-338	+281+2	1,558,650	757,708
991	440				9.1	TH	+2.2	-6.9			TP				
	880		299° 13.7'-180°	-1.8°	+0.4	89°30'	-7.7	-7.3			BS	-405	+781+2		
	880				+8.0	89°-	-15.4	-7.4	782.9		BS				
992	660		297° 21'	-1.8°	0.4	89°30'	+5.8	+5.4		788.3		+285	-595	1,558,530	757,896
993	440		" "	-1.8°	1.8	89°30'	+3.8	+2.0		784.9		+190	-397	1,558,435	758,094
994	220		" "	-1.8°	2.4	89°30'	+1.9	-0.5		782.4		+95	-198	1,558,340	758,293
995	0				5.3	-		-5.3		777.6	X	0	0	1,558,245	758,491
996	220		114° 42'	-1.8°	12.8	81°	-1.1	-13.9		769.0	-	-86	+203	1,558,159	758,694
997	440		" "	-1.8°	7.5	92°-	-15.3	-22.8		760.1		-171	+405	1,558,074	758,896
997	592		113° 41'	-1.8°	7.3	92°-	-20.6	-27.9		755.0		-221	+549	1,558,024	759,040 T-rd (south)
998	660		113° 48'	-1.8°	6.0	92°-	-23.0	-29.0		753.9		-247	+612	1,557,998	759,103
999	878	877	111° 28'	-1.8°	1.1	92°-	-30.6	-31.7		751.2	TP	-295	+826+2	1,557,950	759,319
999	878				14.8	91°06'	-16.8	-31.6			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/16/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 84
AREA Georgia	TOPO MAP Ashland	STATE Georgia	COUNTY Franklin	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.	
999										751.2				
	880		284° 17' - 180°	-1.8°	+3.0	91° -	+15.4	+18.4	769.6		BS	-190	+859.2	
	880			-1.8°	+4.0	BH	+4.4	+18.4		BS				
1000	660		284° 17'	-1.8°	6.2	91° -	-11.5	-17.7		751.9		+143	-644	1,557,903 759,536
1001	440		"	-1.8°	12.3	BH	-2.2	-14.5		755.1		+95	-429	1,557,855 759,751
1002	220		"	-1.8°	9.7			-9.7		759.9		+48	-215	1,557,808 759,965
1003	0				5.2	-		-5.2		764.4	X	0	0	1,557,760 760,180
1004	220		108° 52'	-1.8°	6.5	-		-6.5		763.1		-65	+210	1,557,695 760,390
1005	440		111° 52.7'	-1.8°	9.6	-		-9.6		760.0	TP	-151	+413.5	1,557,609 760,588
1005	440				7.4	BH	-2.2	-9.6			TP			
	880		296° 37.7 - 180°	-1.6°	+3.5	88° 50'	-17.9	-14.4	745.6		BS	-372	+797.5	
	880				+6.0	88° 40'	-22.5	-14.5		BS				
1006	660		296° 37.7'	-1.6°	0.3	89° -	+11.5	+11.2		756.8		+279	-598	1,557,516 760,782
1007	440		"	-1.6°	1.7	89° -	+7.7	+6.0		751.6		+186	-399	1,557,423 760,981
1008	220		"	-1.6°	1.1	-		-1.1		744.5		+93	-199	1,557,330 761,181
1009	0			-1.6°	5.3	-		-5.3		740.3	X	0	0	1,557,237 761,380
1010	220		120° 29'	-1.6°	7.8	-		-7.8		737.8		-106	+193	1,557,131 761,573
1010	270		118° 7.4'	-1.6°	8.5	-		-8.5		737.1		-120	+242	1,557,117 761,622
1011	440		120° 29'	-1.6°	10.4	-		-10.4		735.2		-213	+385	1,557,024 761,765
1012	660		"	-1.6°	13.3	-		-13.3		732.3		-319	+578	1,556,918 761,958
1013	880		"	-1.6°	13.1	-		-13.1		732.5		-425	+771	1,556,812 762,151

horiz. correction y=0, x=+12'
1,557,760 + 760,180 (scaled)
T-rd (north) ele. 767.

E.O.D.

T-rd (south)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10/17/78		Cotcamp		R. Hulsey		6834		R.J.H.		7		85			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Ashland		Georgia		Franklin								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
									745.6						
1014	1100		120° 29'	-1.6°	10.3	-		-10.3		735.3		-531	+963	1,556,706	762,343
1015	1320		" "	-1.6°	8.0	-		-8.0		737.6		-638	+1156	1,556,599	762,536
1016	1540		" "	-1.6°	5.1	-		-5.1		740.5		-744	+1348	1,556,493	762,728
1017	1760		120° 29'	-1.6°	2.0	-		-2.0		743.6	TP	-850	+1541-5	1,556,387	762,916
1017	1760				10.8	TH	+8.8	-2.0			TP				
	880		310° 3' -180°	-1.6°	+14.7	91° 34'	+24.1	+38.8	782.4		BS	-547	+689-5		
	880				+13.2	91° 40'	+25.6	+38.8			BS				
1018	660		310° 3'	-1.6°	12.0	92°-	-23.0	-35.0		747.4		+410	-517	1,556,250	763,083
TP	570		310° 50'	-1.6°	12.0	92°-	-19.9	-31.9		750.5		+361	-442	1,556,201	763,158 T-rod (south)
1019	440		310° 3'	-1.6°	10.0	92°-	-15.3	-25.3		757.1		+274	-345	1,556,114	763,255
1020	220		" "	-1.6°	2.8	92°-	-7.7	-10.5		771.9		+137	-172	1,555,977	763,428
1021	0				5.3	-		-5.3		777.1	X	0	0	1,555,840	763,600
1022	220		121° 7'	-1.6°	7.6	-		-7.6		774.8		-108	+191	1,555,732	763,791
1023	440		117° 31.5'	-1.6°	5.4	-		-5.4		777.0	TP	-192	+396-5	1,555,648	763,991
1023	440				7.6	TH	+2.2	-5.4			TP				
	880	879	286° 51.8' -180°	-1.6°	+8.6	88°-	-30.7	-22.1	754.9		BS	-231	+848-5		
	880				+2.8	88° 22'	-25.1	-22.3			BS				
1024	660		286° 51.8'	-1.6°	3.8	88° 30'	+17.3	+13.5		768.4		+174	-637	1,555,591	764,197
1025	440		" "	-1.6°	4.8	89°-	+7.7	+2.9		757.8		+116	-424	1,555,533	764,410
TL	320		287° 15'	-1.6°	0.2	-		-0.2		754.7		+86	-308	1,555,503	764,526 1,555,510 + 764,520 (scaled) T-rod (north)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
10/17/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1	86						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Georgia		Ashland		Georgia	Franklin					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		
									754.9								
1026	220		286°51.8'	-1.6°	1.7	-		-1.7		753.2		+58	-212	1,555,475	764,622		
1027	0				5.3	-		-5.3		749.6	X	0	0	1,555,417	764,834		
1028	220		102°52'	-1.6°	12.8	BH	-1.1	-13.9		741.0		-43	+216	1,555,374	765,050		
1029	440		101°48'	-1.6°	13.2	90°30'	-3.8	-17.0		737.9		-78	+433	1,555,339	765,267		
1030	660		100°57.2'	-1.6°	5.2	91°-	-11.5	-16.7		738.2		-107	+651	1,555,310	765,485		
1031	880		100°57.2'	-1.5°	7.4	90°30'	-7.7	-15.1			TP	-145	+868-5	1,555,272	765,697		
1031	880				4.8	90°40'	-10.2	-15.0		739.9	TP						
	440		288°20.7'-180°	-1.5°	+13.1	-		+13.1		753.0	BS	-128	+421-5				
	440				+10.9	BH	+2.2	+13.1			BS						
1032	220		288°20.7'	-1.5°	9.4	-		-9.4		743.6		+64	-211	1,555,208	765,902		
1033	0				5.3	-		-5.3		747.7	X	0	0	1,555,144	766,113		
1034	220		123°-	-1.5°	5.6	-		-5.6		747.4		-115	+188	1,555,029	766,301		
1035	440		" "	-1.5°	3.1	-		-3.1		749.9		-230	+375	1,554,914	766,488		
	632		120°31'	-1.5°	2.6	TH	+3.2	+0.6		753.6		-307	+553	1,554,837	766,666	T-rod (south)	
1036	660		120°43.4'	-1.5°	2.5	TH	+3.3	+0.8		753.8	TP	-322	+576-5	1,554,822	766,684		
1036	660				3.1	89°40'	+3.8	+0.7			TP						
	1100		278°55.4'-180°	-1.5°	14.8	-		+14.8		768.6	BS	-142	+1091-5				
	1100				+9.3	BH	+5.5	+14.8			BS						
1037	880		278°55.4'	-1.5°	13.1	BH	-4.4	-17.5		751.1		+114	-873	1,554,794	766,897		
1038	660		" "	-1.5°	12.2	BH	-3.3	-15.5		753.1		+85	-654	1,554,765	767,116		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10/17/78		G. Co. Camp		R. Hulsey		6834		R. J. H		1		87			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Ashland		Georgia		Franklin								L. W. 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
									768.6						
1039	440		278° 55A'	-1.5°	12.3	-		-12.3		756.3		+57	-436	1,554,737	767,334
1040	220		"	-1.5°	9.0	-		-9.0		759.6		+28	-218	1,554,708	767,552
1041	0				5.3	-		-5.3		763.3	TP	0	0	1,554,680	767,770
1042	220		106° 10.4'	-1.5°	0.2	89°-	+3.8	+3.6		772.2		-56	+212	1,554,624	767,982
1043	440		"	-1.5°	3.2	88°-	+15.3	+12.1		780.7		-111	+426	1,554,567	768,196
1044	660		"	-1.5°	1.7	88°-	+23.0	+21.3		789.9		-167	+638	1,554,513	768,408
1045	880	879	106° 10.4'	-1.5°	4.0	87°50'	+33.2	+29.2			TP	-223	+850.5	1,554,457	768,615
1045	880				6.5	87°40'	+35.8	+29.3		797.9	TP				
	220		283° 53.3' -180°	-1.5°	+2.9	88°-	-7.7	-4.8	793.1		BS	-47	+215.5		
	220				+1.0	88°30'	-5.8	-4.8			BS				
1046	0				5.3	-		-5.3		787.8	TP	0	0	1,554,410	768,825
1047	220		83° 33'	-1.5°	13.1	92°-	-7.7	-20.8		772.3		+30	+218	1,554,440	769,043
1048	440		81°-	-1.5°	9.8	93°-	-23.0	-32.8		760.3		+80	+433	1,554,490	769,258
1049	660		"	-1.5°	11.7	93°-	-34.5	-46.2		746.9		+120	+649	1,554,530	769,474
	875	874	79° 30'	-1.5°	5.8	93°-	-45.7	-51.5		741.6		+182	+855	1,554,592	769,680
1050	815	814	85° 21'	-1.5°	11.2	92° 42'	-38.3	-49.5		743.6	TP	+87	+809	1,554,497	769,634
1050	815				14.0	92° 30'	-35.5	-49.5			TP				
	438		5° 16.5' +180°	-1.5°	+10.6	-		+10.6	754.2		BS	-437.5	-29.5		curve
	438				+8.4	BN	+2.2	+10.6			BS				
1051	220		359° 16'	-1.5°	7.8	-		-7.8		746.4		+220	-9	1,554,285	769,601

horiz. correct. $y=0$
 $x=60$
 $1,554,590 + 769,680$ (scaled)
 T-intersect El. 743.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/18/78	INSTRUMENT MAN G. CoCamp	ROD MAN R. Hulse	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 88
AREA Georgia	TOPO MAP Ashland	STATE Georgia	COUNTY Franklin	TWP	RANGE	PPM
				PARTY MANAGER L.O. 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.	
									754.2					
1052	0				5.3	-		-5.3		748.9	X	0	0	1,554,065 769,610
1053	220		164° 5'	-1.5°	2.4	-		-2.4		751.8		-210	+66	1,553,855 769,676
1054	440		159° 45'	-1.5°	0.8	-		-0.8		753.4		-409	+163	1,553,656 769,773
1055	660		157° 37'	-1.5°	0.7	TH	+3.3	+2.6		756.8		-603	+267	1,553,462 769,877
1056	880		156° 37.5'	-1.5°	0.9	89° 30'	+7.7	+6.8		761.0	TP	-798+5	+370+5	1,553,272 769,985
1056	880				8.6	89° -	+15.4	+6.8			TP			
	660		334° 72' -180°	-1.5°	+9.8	-		+9.8	770.8		BS	-586+5	+304+5	
	660				13.1	TH	-3.3	+9.8			BS			
1057	440		334° 7.2'	-1.5°	5.7	-		-5.7		765.1		+391	-202	1,553,082 770,092
1058	220		"	-1.5°	3.5	-		-3.5		767.3		+195	-101	1,552,886 770,193
1059	0				5.3	-		-5.3		765.5	X	0	0	1,552,691 770,294
1060	220		153° 57'	-1.5°	7.7	-		-7.7		763.1		-195	+102	1,552,496 770,396
1061	440		"	-1.5°	9.1	-		-9.1		761.7		-390	+204	1,552,301 770,498
1062	660		"	-1.5°	10.3	-		-10.3		760.5		-585	+305	1,552,106 770,599
1063	880		"	-1.5°	10.7	-		-10.7		760.1		-780	+407	1,551,911 770,701
TP	1063		154° 59'	-1.5°	7.3	-		-7.3		763.5		-951	+475	1,551,740 770,769
1064	1100		155° 26.4'	-1.5°	1.2	BH	-5.5	-6.7		764.1	TP	-988+4	+483	1,551,707 770,777
1064	1100				6.7	-		-6.7			TP			
	1320		337° 59.6' -180°	-1.5°	+14.0	90° 30'	+11.5	+25.5	789.6		BS	-1210+4	+526	
	1320				+12.4	90° 34'	+13.1	+25.5			BS			

1,554,750+ 770,780 (sec 1)
T-rod (500) El. 765

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/18/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 29
AREA Georgia	TOPO MAP Ashland	STATE Georgia	COUNTY Franklin	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
									789.6						
1065	1100		337°59.6'	-1.5°	11.1	90°30'	-9.6	-20.7		768.9		+1009	-439	1,551,510	770,864
1066	910		338°35'	-1.5°	10.9	84	-4.6	-15.5		774.1		+838	-354	1,551,339	770,949 T-rd (east)
1066	880		337°59.6'	-1.5°	10.9	84	-4.4	-15.3		774.3		+807	-351	1,551,308	770,952
1067	660		"	-1.5°	10.5	"	"	-10.5		779.1		+605	-263	1,551,106	771,040
1068	440		"	-1.5°	7.4	"	"	-7.4		782.2		+403	-175	1,550,904	771,128
1069	220		"	-1.5°	6.0	"	"	-6.0		783.6		+202	-88	1,550,703	771,215
1070	0		"	"	5.3	"	"	-5.3		784.3	TP	0	0	1,550,501	771,303
1071	220		160°08'	-1.5°	3.1	"	"	-3.1		786.5		-205	+80	1,550,296	771,383
1072	440		166°26'	-1.5°	1.9	"	"	-1.9		787.7		-425	+114	1,550,076	771,417
1073	651		172°55.4'	-1.5°	1.4	"	"	-1.4		788.2	TP	-644 ₊₃	+97	1,549,860	771,400 Curve
1073	651		"	"	4.7	74	+3.3	-1.4			TP				
	440		11°57.2' +180°	-1.5°	+4.8	89°-	-7.7	-2.9			BS	-433 ₊₃	-80		
	440		"	"	+2.3	89°20'	-5.1	-2.8	785.4		BS				
1074	220		11°57.2'	-1.5°	1.8	89°-	+3.8	+2.0		787.4		+216	+40	1,549,646	771,360
1075	0		"	"	5.3	"	"	-5.3		780.1	TP	0	0	1,549,430	771,320
1076	220		192°7'	-1.5°	8.1	93°-	-11.5	-19.6		765.8		-214	-41	1,549,214	771,279
1077	440	439	"	-1.5°	13.7	93°-	-23.0	-36.7		748.7		-431	-81	1,548,999	771,239
1078	660	658	"	-1.5°	7.1	94°-	-45.9	-53.0		732.4		-647	-121	1,548,783	771,199
1079	880	878	"	-1.5°	7.3	94°-	-61.2	-68.5		716.9		-863	-162	1,548,567	771,158
1079	885	883	192°24'	-1.5°	6.9	94°-	-61.6	-68.5		716.9		-867	-167	1,548,563	771,153 T-rd (northeast)

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
10/18/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		90		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Ashland/I/a		Georgia		Franklin/Madison						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.	
									785.4					
1080	1100	1097	194° 37'	-1.5°	3.5	94° -	-76.5	-80.0		705.4	TP	-1070 ₊₃	-240	1,548,363 771,080
1080	1100				14.4	93° 26'	-65.8	-80.2			TP			
	660	659	22° 12.6' +180°	-1.5°	+1.6	88° -	-23.0	-21.4	684.0		BS	-616 ₊₃	-233	
	660				+7.4	87° 30'	-28.8	-21.4			BS			
1081	440		22° 12.6'	-1.5°	2.9	88° -	+15.3	+12.4		696.4		+412	+156	1,548,162 771,003
1082	220			-1.5°	3.4	88° -	+7.7	+4.3		688.3		+206	+78	1,547,956 770,925
1083	0				5.4	-		-5.4		678.6	X	0	0	1,547,750 770,847
1084	220		201° 2'	-1.5°	7.6	93° -	-11.5	-19.1		664.9		-207	-74	1,547,548 770,773
1085	440	439	"	-1.5°	11.1	93° -	-23.0	-34.1		679.9		-414	-147	1,547,336 770,700 Ashland Quad.
1086	660	659	198° 5.4'	-1.5°	13.8	93° -	-34.5	-48.3		635.7	TP	-632 ₊₃	-188	1,547,121 770,659 I/a Quad.
1086	660				14.7	92° 56'	-33.7	-48.4			TP			
	880		7° 26' +180°	-1.5°	+9.6	-		+9.6	645.3		BS	-875 ₊₃	-91	
	880				+14.0	74	-4.4	+9.6			BS			
1087	660		7° 26'	-1.5°	7.8	91° -	-11.5	-19.3		626.0		+656	+68	1,546,905 770,636 Franklin County
	550		8° 40'	-1.5°	11.5	91° -	-9.6	-21.1		624.2		+546	+69	1,546,795 770,637 bridge
1088	440		7° 26'	-1.5°	13.6	91° -	-7.7	-21.3		624.0		+438	+45	1,546,681 770,613 Madison County
1089	220		"	-1.5°	11.9	91° -	-3.8	-15.7		629.6		+219	+23	1,546,468 770,591
1090	0				5.3	-		-5.3		640.0	X	0	0	1,546,249 770,568
1091	220		195° 21'	-1.5°	1.9	87° -	+11.5	+9.6		654.9	TP	-214 ₊₃	-53	1,546,038 770,515
1091	220				0.6	87° 20'	+10.2	+9.6			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/18/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6837	NOTES CHECKED BY R.J.H.	LINE NO. 7	PAGE 91
AREA Georgia	TOPO MAP Ila	STATE Georgia	COUNTY Madison	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.	
1091										654.9				
	440		37°30.6' +180°	-1.5°	+128	91°	+7.7	+20.5	675.4		BS	-356	-259	
	440				+149	90°44'	+5.6	+20.5		BS				
1092	220		41°48'	-1.5°	10.7	-		-10.7		664.7		+168	+142	1,545,850 770,398
1093	0				5.3	-		-5.3		670.1	X	0	0	1,545,682 770,256
1094	220		220°42'	-1.5°	6.3	-		-6.3		669.1		-170	-139	1,545,512 770,117
1095	440			-1.5°	12.1	-		-12.1		663.3		-341	-278	1,545,341 769,978
1096	65'		215°42.6'	-1.5°	12.8	90°40'	-7.6	-20.4	655.0		TP	-538	-366	1,545,144 769,890 curve
1096	65'				10.9	90°50'	-9.5	-20.4		TP				
	1320		6° - +180°	-1.5°	+9.4	BH	+6.6	+16.0	671.0		BS	-1316	-104	
	1320				+14.5	90°04'	+1.5	+16.0		BS				
1097	1100		5°10'	-1.5°	11.0	90°30'	-9.6	-20.6		650.4		+1098	+70	1,544,926 769,856
1098	880		" "	-1.5°	11.0	90°30'	-7.7	-18.7		652.3		+878	+56	1,544,706 769,842
1099	660		" "	-1.5°	13.6	-		-13.6		657.4		+659	+42	1,544,487 769,828
1100	440		" "	-1.5°	10.3	-		-10.3		660.7		+439	+28	1,544,267 769,814
1101	220		" "	-1.5°	7.8	-		-7.8		663.2		+220	+14	1,544,048 769,800
1102	0		" "		5.3	-		-5.3		665.7	X	0	0	1,543,828 769,786
+	14		94°52'	-1.5°	4.9	-		-4.9		666.1		-1	+14	1,543,827 769,800 4-way int. E-1-668
1103	220		121°51'	-1.5°	5.4	-		-5.4		665.6		-111	+190	1,543,717 769,976 90° bend in line
1104	440		" "	-1.5°	4.7	-		-4.7		666.3		-222	+380	1,543,606 770,166

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE					
10/18/78		S. Cotcamp		R. Hulseay		6834		R.J.H.			1	92					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Georgia		ILA		Georgia	Madison					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		
									671.0								
1105	660		124°20.8'	-1.5°	2.3	-		-2.3	+2'	668.9	TP	-358	+554+2	1,543,470	770,342	vertical correction = +1.2'	
1105	660				5.6	TH	+3.3	-2.3			TP						
	1092	1091	308°29'-180°	-1.5°	+3.1	92°-	+38.1	+41.2	710.1		BS	-656	+872+2			curve	
	1092				+14.0	91°26'	+27.3	+41.3			BS						
1106	878	877	307°47'	-1.5°	7.5	92°-	-30.6	-38.1		672.0		+519	-707	1,543,333	770,509		
1107	660				c												
1107	820		308°4'	-1.5°	8.3	92°-	-28.6	-36.9		673.2		+489	-659	1,543,303	770,557	T-rd (west)	
1107	660		306°25'	-1.5°	10.9	92°-	-23.0	-33.9		676.2		+392	-531	1,543,206	770,685		
1108	440		303°22'	-1.5°	10.7	92°-	-15.3	-26.0		684.1		+232	-374	1,543,016	770,842		
1109	220		298°5'	-1.5°	11.7	91°-	-3.8	-15.5		694.6		+98	-197	1,542,912	771,019		
1110	0				5.3	-		-5.3		704.8	TP	0	0	1,542,814	771,216		
1111	220		98°-	-1.5°	0.4	-		-0.4		709.7		-25	+219	1,542,789	771,435		
1112	440		"	-1.5°	1.7	-		-1.7		708.4		-50	+437	1,542,764	771,653		
1113	656		96°0.2'	-1.5°	10.7	TH	+3.3	-7.4	+2'	702.9	TP	-52	+654+3	1,542,762	771,873	S-curve	
1113	656				13.2	89°30'	+5.7	-7.5			TP						
	440		288°37.5'-180°	-1.5°	+3.2	89°-	-7.7	-4.5	698.4		BS	-130	+420.3				
	440				+10.8	88°-	-15.3	-4.5			BS						
1114	220		293°45'	-1.5°	1.6	-		-1.6		696.8		+83	-204	1,542,715	772,092		
1115	0				5.3	-		-5.3		693.1	TP	0	0	1,542,632	772,296		
1116	220		118°50'	-1.5°	4.0	-		-4.0		694.4		-101	+195	1,542,531	772,491		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/18/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 93
AREA Georgia	TOPO MAP Ila	STATE Georgia	COUNTY Madison	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.	
									698.4					
1117	440		118°50'	-1.5°	0.9	TH	+2.2	+1.3		699.7		-202	+391	1,542,430 772,687
1118	660		"	-1.5°	4.2	89°-	+11.5	+7.3		705.7		-303	+586	1,542,329 772,882
1119	880		120°18.3'	-1.5°	28	89°-	+15.4	+12.6	+2'	711.2	TP	-424	+771.4	1,542,208 773,071
1119	880				5.3	88°50'	+17.9	+12.6			TP			
	660		307°51'-180°	-1.5°	+6.0	TH	-3.3	+2.7		713.9	BS	-391	+532.4	
	660				+8.4	89°30'	-5.8	+2.6			BS			
1120	440		307°51'	-1.5°	1.9	TH	+2.2	+0.3		714.2		+261	-354	1,542,078 773,253
X	400		309°4'	-1.5°	1.4	TH	+2.0	+0.6		714.5		+244	-317	1,542,060 773,270 (scaled)
1121	220		307°51'	-1.5°	1.2	-		-1.2		712.7		+130	-177	1,541,947 773,430
1122	0				5.3	-		-5.3		708.6	TP	0	0	1,541,817 773,607
1123	220		118°57'	-1.5°	11.3	-		-11.3		702.6		-101	+195	1,541,716 773,802
1124	440		115°45'	-1.5°	9.4	91°-	-7.7	-17.1		696.8		-181	+401	1,541,636 774,008
1125	654		112°14.5'	-1.5°	12.0	91°-	-11.4	-23.4	+2'	690.7	TP	-232	+612	1,541,585 774,219
1125	654				14.0	90°50'	-9.5	-23.5			TP			
	1100	1099	224°27.7-180°	-1.5°	+3.1	88°-	-38.4	-35.3		655.4	BS	-247	+1071	
	1100				+6.1	87°50'	-41.6	-35.2			BS			
1126	880	879	284°27.7'	-1.5°	2.4	88°-	+30.7	+28.3		683.7		+197	-857	1,541,535 774,433
1127	660		"	-1.5°	2.4	88°-	+23.0	+20.6		676.0		+148	-643	1,541,486 774,647
1128	440		"	-1.5°	2.8	88°-	+15.3	+12.5		667.9		+99	-429	1,541,437 774,861
1129	220			-1.5°	3.4	88°-	+7.7	+4.3		659.7		+49	-214	1,541,387 775,076

horiz. correct. - y = +45'
x = +33'
1,542,060 + 773,270 (scaled)
+ way Intersect.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/18/78	INSTRUMENT MAN S. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 94
AREA Georgia	TOPO MAP I La/Danielsville N.	STATE Georgia	COUNTY Madison	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	
									655.4					
1130	0			-	5.3	-		-5.3		650.1	TP	0	0	1,541,338 775,290
1131	220		104° 13'	-1.5°	9.8	92°	-7.7	-17.5		637.9		-48	+215	1,541,290 775,505
1132	440		"	-1.5°	12.7	92°	-15.3	-28.0		627.4		-97	+429	1,541,241 775,719
1133	660		"	-1.5°	11.0	92°	-23.0	-34.0		621.4		-145	+644	1,541,193 755,934
1134	880	879	"	-1.5°	6.2	92°	-30.7	-36.9		618.5		-193	+857	1,541,145 776,147 bridge (under construction)
1135	1100		"	-1.5°	11.7	91° 20'	-25.6	-37.3		618.1		-242	+1073	1,541,096 776,363 ↑
1136	1320		103° 22.4'	-1.5°	12.6	91°	-23.0	-35.6	42'	620.0	TP	-272	+1292	1,541,066 776,582 West Co-ordinate Zone
1136	1320				14.2	90° 36'	-21.5	-35.7			TP			
	1100	1098	268° 15.7' -180°	-1.1°	+8.1	93°	+57.5	+65.6	685.6		BS	+54	+1097	
	1100				+14.6	92° 40'	+51.1	+65.7			BS			
1137	880	879	267° 10'	-1.1°	13.1	93°	+46.0	-59.1		626.5		-60	-877	1,541,547 172,316 I La Quad, East Co-ordinate Zone Danielsville North Quad
1138	660	659	"	-1.1°	12.0	93°	-34.5	-46.5		639.1		-45	-657	1,541,562 172,536
1139	440		"	-1.1°	13.8	92° 20'	-17.9	-31.7		653.9		-30	-439	1,541,577 172,754
1140	220		"	-1.1°	13.7	91°	-3.8	-17.5		668.1		-15	-219	1,541,592 172,974
1141	0			-1.1°	5.3	-		-5.3		680.3	TP	0	0	1,541,607 173,193
1142	220		87° 34'	-1.1°	0.7	89°	+3.8	+3.1		688.7		+14	+220	1,541,621 173,413
1143	440		"	-1.1°	5.4	88° 20'	+12.8	+7.4		693.0		+27	+439	1,541,634 173,632
1144	660		"	-1.1°	8.0	88° 20'	+19.2	+11.2		696.8		+41	+659	1,541,648 173,852
1145	880		87° 34'	-1.1°	11.1	88° 20'	+25.6	+14.5	42'	700.3	TP	+54	+878	1,541,661 174,071
1145	880			-1.1°	6.0	88° 40'	+20.5	+14.5			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 10/18/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 95
AREA Georgia	TOPO MAP Danielsville North	STATE Georgia	COUNTY Madison	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.	
1145										700.3				
	220		282°41'-180°	-1.1°	+8.8	-		+8.8	709.1		BS	-44	+215	
	220				+9.9	74	-1.1	+8.8			BS			
✓	168		287°48'	-1.1°	7.4	-		-7.4		701.7		+48	-161	← T-rod K point
1146	0				5.3	-		-5.3		703.8	π	0	0	1,541,665 174,125 for East zone
1147	220 168		117° -	-1.1°	2.1	89° -	+3.8	+1.7		710.8		-96	+198	1,541,521 174,484 (scaled)
1148	440		126°13.5'	-1.1°	4.9	88° -	+15.3	+10.4		719.5	TP	-253	+360.3	1,541,364 174,643
1148	440				6.2	87°30'	+16.6	+10.4			TP			
	220		330°13'-180°	-1.1°	+14.2	-		+14.2	733.7		BS	-189	+113.3	
	220				+13.1	84	+1.1	+14.2			BS			
1149	0				5.3	-		-5.3		728.4	π	0	0	1,541,175 174,753
1150	220		163° -	-1.1°	4.0	88° -	+7.7	+3.7		737.4		-209	+68	1,540,966 174,821
1151	438		169°53'	-1.1°	5.4	88° -	+15.3	+9.9		743.6	TP	-430	+85.3	1,540,745 174,835 curve
1151	438				1.6	88°30'	+11.5	+9.9			TP			
	1100		354°20.8'-180°	-1.1°	+10.8	84	+5.5	+16.3	759.9		BS	-1092	+129.3	
	1100				+14.4	90°06'	+1.9	+16.3			BS			
1152	880		354°20.8'	-1.1°	12.3	-		-12.3		747.6		+874	-103	1,540,527 174,858
1153	660		"	-1.1°	8.8	-		-8.8		751.1		+655	-78	1,540,308 174,883
1154	440		"	-1.1°	5.3	-		-5.3		754.6		+437	-52	1,540,090 174,909
1155	220		"	-1.1°	4.0	-		-4.0		755.9		+218	-26	1,539,871 174,935
1156	0				5.3	-		-5.3		754.6	π	0	0	1,539,653 174,961

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 10/19/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 96
AREA Georgia	TOPO MAP Danielsville N.	STATE Georgia	COUNTY Madison	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.	
									759.9					
1157	220		160°27'	-1.1°	6.4	-		-6.4		753.5		-206	+78	1,539,447 175,039
1157	288		158°12'	-1.1°	6.9	-		-6.9		753.0		-265	+112	1,539,388 175,073 7-rd (west) E. 755
1158	440		157°50'	-1.1°	6.3	-		-6.3		753.6		-404	+174	1,539,249 175,135
1159	660		154°55'	-1.1°	4.1	-		-4.1		755.8	TP	-592	+291.3	1,539,061 175,249
1159	660				7.4	TH	+3.3	-4.1			TP			
	880		314°57' - 180°	-1.1°	+14.8	BH	+4.4	+19.2	775.0		BS	-610	+634.3	
	880				+14.1	90°20'	+5.1	+19.2			BS			
1160	660		314°57'	-1.1°	12.2	BH	-3.3	-15.5		759.5		+457	-476	1,538,908 175,404
1161	440		'	-1.1°	12.0	-		-12.0		763.0		+305	-317	1,538,756 175,563
1162	220		'	-1.1°	8.9	-		-8.9		766.1		+152	-159	1,538,603 175,721
1163	0				5.3	-		-5.3		769.7	X	0	0	1,538,451 175,880
1164	220		141°47'	-1.1°	1.1	-		-1.1		773.9		-170	+139	1,538,281 176,019
1165	440											-257	+206	
1165	330		142°22'	-1.1°	0.8	TH	+1.7	+0.9		775.9		-257	+206	1,538,194 176,086 Trail (north east)
1165	440		146°11'	-1.1°	0.2	TH	+2.2	+2.0		777.0		-361	+252	1,538,090 176,132
1166	660		147°1'	-1.1°	6.6	89°	+11.5	+4.9		779.9	TP	-547	+370.3	1,537,904 176,247
1166	660				2.7	89°20'	+7.7	+5.0			TP			
	1100		327°44' - 180°	-1.1°	+11.7	-		+11.7	791.6		BS	-919	+605.3	
	1100				+6.2	BH	+5.5	+11.7			BS			
1167	880		326°63'	-1.1°	11.8	-		-11.8		779.8		+728	-495	1,537,713 176,354

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 10/19/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 97
AREA Georgia	TOPO MAP Danielsville N.	STATE Georgia	COUNTY Madison	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.	
									791.6					
1168	660		325° 20'	-1.1°	11.2	BH	-3.3	-14.5		777.1		+536	-386	1,537,521 176,463
1169	440		322° 20'	-1.1°	13.9	-		-13.9		777.7		+343	-276	1,537,328 176,573
1170	220		317° 50'	-1.1°	10.7	-		-10.7		780.9		+160	-151	1,537,145 176,698
1171	0				5.3	-		-5.3		786.3	TP	0	0	1,536,985 176,849
1172	220		122° 17.3'	-1.1°	1.8	-		-1.8		789.8		-114	+188	1,536,871 177,037
1173	440			-1.1°	1.7	-		-1.7		789.9		-228	+376	1,536,757 177,225
1174	660			-1.1°	5.8	-		-5.8		785.8		-342	+565	1,536,643 177,414
1175	880			-1.1°	4.0	-		-4.0		787.6		-456	+753	1,536,529 177,602
1176	1100			-1.1°	0.8	TH	+5.5	+4.7		796.3		-570	+941	1,536,415 177,790
1177	1320			-1.1°	7.8	89°	+23.0	+15.2		806.8		-684	+1129	1,536,301 177,978
1178	1540			-1.1°	3.0	89°	+26.9	+23.9		815.5		-797	+1317	1,536,188 178,166
1179	1760			-1.1°	8.8	88° 40'	+40.9	+32.1		823.7		-911	+1506	1,536,074 178,355
1180	1980	1979		-1.1°	7.5	88° 40'	+46.1	+38.6		830.2		-1025	+1693	1,535,960 178,542
1181	2200	2199	122° 17.3'	-1.1°	6.7	88° 40'	+51.2	+44.5		836.1		-1139	+1881	1,535,846 178,730
1182	2420	2419	122° 17.3'	-1.1°	5.6	88° 40'	+56.3	+50.7		842.3	TP	-1253	+2069-3	1,535,732 178,915
1182	2420				1.5	88° 46'	+52.1	+50.6			TP			
	440		306° 15.3' - 180°	-1.1°	+5.9	-		+5.9	848.2		BS	-253	+360-3	
	440				8.1	TH	-2.2	+5.9			BS			
X	245		308° 46'	-1.1°	1.3	-		-1.3		846.9		+150	-194	1,535,629 179,078
1183	220		305° 12'	-1.1°	1.7	-		-1.7		846.5		+123	-182	1,535,602 179,090

1,535,635 + 179,075
4-Way Intersect. El. 848

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 10/19/78	INSTRUMENT MAN G. CoCamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 98
AREA Georgia	TOPO MAP Danielsville N.	STATE Georgia	COUNTY Madison	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.	
									848.2					
1184	0				5.3	-		-5.3		842.9	T	0	0	1,535,479 179,272
1185	220		119°22'	-1.1°	13.6	-		-13.6		834.6		-104	+194	1,535,325 179,466
1186	440		" "	-1.1°	13.2	-		-13.2		835.0		-208	+388	1,535,271 179,660
1187	660		" "	-1.1°	5.3	-		-5.3		842.9		-313	+581	1,535,166 179,853
1188	870		117°20.6'	-1.1°	6.7	-		-6.7		841.5	TP	-385	+780-3	1,535,094 180,049 Curve
1188	870				2.3	BH	-4.4	-6.7			TP			T-intersect (south)
	666		291°28.5'-180°	-1.1°	3.5	-		+3.5	845.0		BS	-232	+624-2	
	666				6.8	TH	-3.3	+3.5			BS			
1189	440		291°28.5'	-1.1°	4.6	-		-4.6		840.4		+153	-412	1,535,015 180,259
1190	220		" "	-1.1°	3.4	-		-3.4		841.6		+77	-206	1,534,939 180,465 Sta. 1191 is 165' se of T-rd
1191	0				5.3	-		-5.3		839.7	T	0	0	1,534,862 180,671 set up opposite station
1192	220		124°20.3'	-1.1°	13.7	-		-13.7		831.3		-121	+184	1,534,741 180,855 A 385
1193	440		" "	-1.1°	13.6	91°-	-7.7	-21.3		823.7		-241	+368	1,534,621 181,039
1194	660		" "	-1.1°	11.1	91°20'	-15.4	-26.5		818.5		-362	+552	1,534,500 181,223
1195	880		" "	-1.1°	9.7	91°20'	-20.5	-30.2		814.8		-482	+736	1,534,380 181,407
1196	1100		" "	-1.1°	7.9	91°20'	-25.6	-33.5		811.5		-603	+920	1,534,259 181,591
1197	1320		" "	-1.1°	12.1	91°-	-23.0	-35.1		809.9		-724	+1104	1,534,138 181,775
1198	1540		" "	-1.1°	6.0	91°-	-26.9	-32.9		812.1		-844	+1288	1,534,018 181,959
1199	1760		124°20.3'	-1.1°	5.0	90°50'	-25.6	-30.6		814.4	TP	-965	+1472-2	1,533,897 182,141
1199	1760				14.2	90°32'	-16.4	-30.6			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 10/19/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 99
AREA Georgia	TOPO MAP Danielsville N.	STATE Georgia	COUNTY Madison	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			
1199										814.4								
	880		300° 1' - 180°	-1.1°	+5.9	-		+5.9	820.3		BS	-426	+770					
	880				+10.3	TH	-4.4	+5.9			BS							
1200	660		300° 1'	-1.1°	5.8	-		-5.8		814.5		+319	-578	1,533,790	1,82,333			
1201	440		" "	-1.1°	6.6	-		-6.6		813.7		+213	-385	1,533,684	182,526			
1202	220		" "	-1.1°	7.1	-		-7.1		813.2		+106	-193	1,533,577	182,718			
1203	0				5.3	-		-5.3		815.0	X	0	0	1,533,471	182,911			
1204	220		124° 47'	-1.1°	9.1	-		-9.1		811.2	TP	-122	+183	1,533,349	183,094			
1204	220				10.2	TH	+1.1	-9.1			TP							
	1316		315° 24' - 180°	-1.1°	+8.5	89°	-23.0	-14.5	796.7		BS	-919	+942					Curve
	1316				+14.6	88° 44'	-29.1	-14.5			BS							
1205	1100		314° 24'	-1.1°	8.1	89°	+19.2	+11.1		807.8		+754	-801	1,533,184	183,235			
1206	880		313° 37'	-1.1°	9.2	89°	+15.4	+6.2		802.9		+595	-649	1,533,025	183,387			
1207	660		" "	-1.1°	1.3	TH	+3.3	+2.0		798.7		+446	-486	1,532,876	183,550			
1208	440		" "	-1.1°	1.7	-		-1.7		795.0		+297	-324	1,532,727	183,712			
1209	220		" "	-1.1°	3.7	-		-3.7		793.0		+149	-162	1,532,579	183,874			
1210	90		318° 52'	-1.1°	5.0	-		-5.0		791.7		+67	-60	1,532,497	183,976			1,532,490 + 183,980 (scaled) T-rd(m) El. 194
1210	0				5.3	-		-5.3		791.4	X	0	0	1,532,430	184,036			
1211	220		138° 40'	-1.1°	8.0	-		-8.0		788.7		-162	+148	1,532,268	184,184			
1212	440		139° 38'	-1.1°	11.4	-		-11.4		785.3		-330	+291	1,532,100	184,327			
1213	660		139° 52'	-1.1°	11.8	90° 30'	-5.8	-17.6		779.1		-496	+435	1,531,934	184,471			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/19/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 100 OF 224
AREA Georgia	TOPO MAP Danielsville N	STATE Georgia	COUNTY Madison	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.	
									796.7					
1214	875		138°51.3'	-1.1°	14.3	90°30'	-7.6	-21.9		774.8	TP	-648	+588	1,531,782 184,624 curve
1214	875				6.6	91°	-15.3	-21.9			TP			
	880		311°56.2'-180°	-1.1°	+1.6	TH	-4.4	-2.8	772.0		BS	-575	+666	
	880				+4.9	89°30'	-7.7	-2.8			BS			
1215	660		311°56.2'	-1.1°	0.8	TH	+3.3	+2.5		774.5		+432	-499	1,531,639 184,791
1216	440		"	-1.1°	0.8	TH	+2.2	+1.4		773.4		+288	-333	1,531,495 184,957
X	382		313°15'	-1.1°	1.2	TH	+1.9	+0.7		772.7		+256	-283	1,531,463 185,007 T-rd (south)
1217	220		311°56.2'	-1.1°	2.1	-	-	-2.1		769.9		+144	-166	1,531,351 185,124
1218	0				5.3	-	-	-5.3		766.7	X	0	0	1,531,207 185,290
X	25		105°47'	-1.1°	5.6	-	-	-5.6		766.4		-6	+24	1,531,201 185,314 T-rd (north)
1219	220		134°42'	-1.1°	8.7	-	-	-8.7		763.3		-152	+159	1,531,055 185,449
1220	440		138°5'	-1.1°	12.0	-	-	-12.0		760.0		-322	+300	1,530,885 185,590
1221	660		139°19'	-1.1°	11.1	BH	-3.3	-14.4		757.6		-492	+440	1,530,715 185,730
1222	880		139°54'	-1.1°	9.0	BH	-4.4	-13.4		758.6		-662	+580	1,530,545 185,870
X	997		139°53'	-1.1°	12.2	-	-	-12.2		759.8		-750	+657	1,530,457 185,947 Y-intersect.
1223					6.5	BH	-	-						
1223	1090		137°28.8'	-1.1°	5.5	BH	-5.5	-11.0		761.0	TP	-789	+752	1,530,418 186,042 curve
1223	1090				4.6	90°20'	-6.3	-10.9			TP			
	440		289°3.7'-180°	-1.1°	+11.8	-	-	+11.8	772.8		BS	-136	+419	
	440				+14.0	TH	-2.2	+11.8			BS			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
10/19/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1	101				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Georgia		Danielsville N		Georgia		Madison					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
									772.8						
1224	220		289° -	-1.1°	5.9	-		-5.9		766.9		+68	-209	1,530,350	186,252
1225	0				5.3	-		-5.3		767.5	π	0	0	1,530,282	186,461
1226	220		88° 29'	-1.1°	10.9	-		-10.9		761.9		+10	+220	1,530,292	186,681
1227	440		82° 37'	-1.1°	10.0	-		-10.0		762.8		+65	+435	1,530,347	186,896
1228	655		79° 42'	-1.1°	7.5	-		-7.5		765.3	TP	+129	+642	1,530,411	187,103
1228	655				10.8	TH	+3.3	-7.5			TP				
	1100		247° 36' -180°	-1.1°	+13.3	BH	+5.5	+18.8	784.1		BS	+438	+1009		
	1100				+14.3	90° 14'	+4.5	+18.8			BS				
1229	880		247° 38'	-1.1°	12.2	BH	-4.4	-16.6		767.5		-350	-807	1,530,499	187,305
1230	660		" "	-1.1°	13.2	-		-13.2		770.9		-263	-605	1,530,586	187,507
1231	440		" "	-1.1°	11.8	-		-11.8		772.3		-175	-404	1,530,674	187,708
1232	220		" "	-1.1°	6.4	-		-6.4		777.7		-88	-202	1,530,761	187,910
1233	0				5.3	-		-5.3		778.8	π	0	0	1,530,849	188,112
1234	220		75° 6.6'	-1.1°	11.9	92° -	-7.7	-19.6		764.5	TP	+61	+211	1,530,910	188,323
1234	220				14.5	91° 20'	-5.1	-19.6			TP				
	220		274° 6' -180°	-1.1°	+1.3	88° -	-7.7	-6.4	758.1		BS	-12	+220		
	220				+2.6	87° 40'	-8.9	-6.3			BS				
1235	0				5.3	-		-5.3		752.8	π	0	0	1,530,898	188,543
≠/	210		96° 49'	-1.1°	10.0	-		-10.0		748.1		-21	+209	1,530,889	188,752

line jogs north east

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/19/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 102
AREA Georgia	TOPO MAP Danielsville/ncNorth	STATE Georgia	COUNTY Madison	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			
									758.1									
1236	220		101°45'	-1.1°	10.2	-		-10.2		747.9	TP	-41	+216	1,530,857	188,759			
1236	220				9.1	84	-1.1	-10.2			TP							
	660		218°52.3'-180°	-1.1°	+10.7	-		+10.7	758.6		BS	+522	+404					
	660				+14.0	TH	-3.3	+10.7			BS							
1237	440		218°52.3'	-1.1°	11.5	-		-11.5		747.1		-348	-270	1,531,031	188,893			
1238	220			-1.1°	8.8	-		-8.8		749.8		-174	-135	1,531,205	189,028			
1239	0				5.3	-		-5.3		753.3	X	0	0	1,531,379	189,163			horiz. correct y=0 x=-37
	112		32°23'	-1.1°	3.9	-		-3.9		754.7		+96	+58	1,531,475	189,221			Y-intersect
1240	209		65°56.6'	-1.1°	5.6	TH	+1.0	-4.6		754.0	TP	+89	+189	1,531,468	189,352			line jogs east
1240	209				5.8	89°40'	+1.2	-4.6			TP							
	880		261°21.6'-180°	-1.0°	+14.3	84	+4.4	+18.7	772.7		BS	+25	+880					
	880				13.6	90°20'	+5.1	+18.7			BS							
1241	660		270°45'	-1.0°	13.1	90°40'	-7.7	-20.8		751.9		-3	-660	1,531,490	189,572			
1242	440		272°4'	-1.0°	11.4	90°40'	-5.1	-16.5		756.2		+8	-440	1,531,501	189,792			
1243	220		275°35'	-1.0°	11.7	-		-11.7		761.0		+18	-219	1,531,511	190,013			
1244	0				5.3	-		-5.3		767.4	X	0	0	1,531,493	190,232			
1245	220		164°28'	-1.0°	13.9	84	-1.1	-15.0		757.7		-51	+214	1,531,442	190,446			
1246	440		109°41'	-1.0°	12.8	91°-	-7.7	-20.5		752.2		-141	+417	1,531,352	190,649			
1247	660		111°45'	-1.0°	11.8	91°-	-11.5	-23.3		749.4		-234	+617	1,531,259	190,849			
1248	880		112°50'	-1.0°	9.8	91°-	-15.4	-25.2		747.5		-327	+817	1,531,166	191,049			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
10/20/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1	103						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Georgia		Danielsville North		Georgia	Madison					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 +	EAST +	COORDINATES		REMARKS	
												SOUTH -	WEST -	Y	X		
									772.7								
1249	1100		113°31'	-1.0°	12.1	90°30'	-9.6	-21.7		751.0		-421	+1016	1,531,072	191,248		
1250	1320		114°-	-1.0°	11.8	84	-6.6	-18.4		754.3		-516	+1215	1,530,977	191,447		
1251	1540		114°29.7'	-1.0°	12.2	-		-12.2		760.5		-614	+1412	1,530,879	191,644		
1252	1760		114°29.7'	-1.0°	6.4	-		-6.4		766.3	TP	-702	+1614	1,530,791	191,846		
1252	1760				14.6	89°44'	+8.2	-6.4			TP						
	660		290°11' -180°	-1.0°	+3.6	89°-	-11.5	-7.9	758.4		BS	-217	+623				
	660				+7.5	88°40'	-15.4	-7.9			BS						
1253	440		290°11'	-1.0°	3.2	89°-	+7.7	+4.5		762.9		+145	-416	1,530,719	192,053		
1254	220		" "	-1.0°	0.5	-		-0.5		757.9		+72	-208	1,530,646	192,261		
1255	0				5.3	-		-5.3		753.1	T	0	0	1,530,574	192,469		
1256	220		121°36'	-1.0°	6.1	-		-6.1		752.3		-112	+189	1,530,462	192,658		
1257	440		125°27'	-1.0°	3.0	-		-3.0		755.4		-249	+363	1,530,325	192,832		
1258	660		127°19'	-1.0°	2.5	TH	+3.3	+0.8		759.2		-391	+532	1,530,183	193,001		
1259	880		127°38'	-1.0°	2.5	TH	+4.4	+1.9		760.3		-525	+706	1,530,049	193,175		
1260	1100		128°3'	-1.0°	3.3	TH	+5.5	+2.2		760.6		-663	+878	1,529,911	193,347		
1261	1215		128°3'	-1.0°	2.8	TH	+6.1	+3.3		761.7		-732	+970	1,529,842	193,439	T-rod(northeast)	
1261	1320		128°21'	-1.0°	2.3	TH	+6.6	+4.3		762.7		-801	+1049	1,529,773	193,518		
1262	1540		" "	-1.0°	5.5	89°20'	+17.9	+12.4		770.8		-934	+1224	1,529,640	193,693		
1263	1760		" "	-1.0°	0.7	89°20'	+20.5	+19.8		778.2		-1068	+1399	1,529,506	193,868		

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
10/20/78		G. Co. Tcamp		R. Hulsey		6834		R. J. H.		1		104				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Danielsville North		Georgia		Madison								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
									758.4							
1264	1980		127°33.8'	-1.0°	2.3	89°10'	+28.8	+26.5		784.9	TP	-1180	+1590	1,529,394	194,059	
1264	1980				4.6	89°06'	+31.1	+26.5			TP					
	880		304°19.3'-180°	-1.0°	+11.3	87°20'	-40.9	-29.6	755.3		BS	-483	+734			
	880	879			+13.9	87°10'	-43.4	-29.5			BS					
1265	660	659	309°19.3'	-1.0°	2.7	87°20'	+30.7	+28.0		783.3		+362	-551	1,529,273	194,242	
TP	548	547	306°15'	-1.0°	4.2	87°20'	+25.5	+21.3		776.6		+316	-447	1,529,227	194,346	T-rd (south)
1266	440		304°19.3'	-1.0°	1.6	88°-	+15.3	+13.7		769.0		+242	-368	1,529,153	194,425	
1267	220		" "	-1.0°	4.3	88°-	+7.7	+3.4		758.7		+121	-184	1,529,032	194,609	
1268	0				5.3	-		-5.3		750.0	TP	0	0	1,528,911	194,793	
1269	220		110°26'	-1.0°	11.2	-		-11.2		744.1		-73	+207	1,528,838	195,000	
1270	440		107°1'	-1.0°	12.3	BH	-2.2	-14.5		740.8		-121	+423	1,528,790	195,216	
1271	660		105°34'	-1.0°	10.1	90°30'	-5.8	-15.9		739.4		-166	+639	1,528,745	195,432	
1272	880		105°26'	-1.0°	5.6	90°50'	-12.8	-18.4		736.9		-219	+852	1,528,692	195,645	
1273	1098		106°24'	-1.0°	5.0	90°26'	-8.3	-13.3		742.0		-292	+1059	1,528,619	195,852	
1274	1313		108°39.2'	-1.0°	10.8	-		-10.8		744.5	TP	-398	+1251	1,528,513	196,044	S-curve
1274	1313				4.3	BH	-6.6	-10.9			TP					
	1100		311°50'-180°	-1.0°	+5.9	-		+5.9	750.4		BS	-719	+832			
	1100				+11.4	TH	-5.5	+5.9			BS					
1275	880		311°50'	-1.0°	10.0	-		-10.0		740.4		+575	-666	1,528,369	196,210	
1276	660		" "	-1.0°	9.7	-		-9.7		740.7		+432	-499	1,528,226	196,377	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 10/20/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 105
AREA Georgia	TOPO MAP Danielsville North	STATE Georgia	COUNTY Madison	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			
									750.4									
1277	440		311° -	-10°	8.3	-		-8.3		742.1		+283	-337	1,528,077	196,539			
1278	220		309° -	-10°	7.3	-		-7.3		743.1		+135	-173	1,527,929	196,703			
1279	0				5.3	-		-5.3		745.1	TP	0	0	1,527,794	196,876			
1280	220		116° 11'	-10°	0.2	-		-0.2		750.2		-94	+199	1,527,700	197,075			
1281	440		117° 34.5'	-10°	3.5	88° 30'	+11.5	+8.0		758.4	TP	-197	+393	1,527,597	197,269			
1281	440				1.0	88° 50'	+9.0	+8.0			TP							
	880		275° 42' -180°	-10°	+1.9	-		+1.9	760.3		BS	-72	+877					
	880				+6.3	TH	-4.4	+1.9			BS							
1282	660		274° 57'	-10°	6.0	-		-6.0		754.3		+45	-658	1,527,570	197,488			
1282	462		275° 39'	-10°	5.8	-		-5.8		754.5		+37	-460	1,527,562	197,686			driveway (south)
1283	440		274° 57'	-10°	5.7	-		-5.7		754.6		+30	-439	1,527,555	197,707			
1284	220		"	-10°	3.1	-		-3.1		757.2		+15	-219	1,527,540	197,927			
1285	0				5.3	-		-5.3		755.0	TP	0	0	1,527,525	198,146			
1286	220		95° 7'	-10°	10.7	-		-10.7		749.6		-16	+219	1,527,509	198,365			
1287	440		"	-10°	13.4	90° 30'	-3.8	-17.2		743.1		-32	+439	1,527,493	198,585			
1288	660		"	-10°	10.6	90° 50'	-9.6	-20.2		740.1		-47	+658	1,527,478	198,804			
1289	880		95° 7'	-10°	11.3	-		-11.3		749.0	TP	-63	+878	1,527,462	199,024			
1289	880				6.9	8H	-4.4	-11.3			TP							
	220		286° 34' -180°	-10°	+14.9	8H	+1.1	+16.0	765.0		BS	-59	+212					
	220				+12.1	91° -	+3.8	+15.9			BS							

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 10/20/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 106
AREA Georgia	TOPO MAP Danielsville North	STATE Georgia	COUNTY Madison	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.	
									765.0					
1290	0			7.0°	5.3	-		-5.3		759.7	π	0	0	1,527,403 199,236
≡	88		105°56'	-1.0°	4.5	-		-4.5		760.5		-23	+85	1,527,380 199,321 trail (north)
1291	220		114°26'	-1.0°	9.8	-		-9.8		755.2		-87	+202	1,527,316 199,438
1292	440		" "	-1.0°	11.2	91°30'	-11.5	-22.7		742.3		-175	+404	1,527,228 199,640
1293	660		" "	-1.0°	5.3	91°30'	-17.3	-22.6		742.4		-262	+606	1,527,141 199,842
1294	880		115°52.8'	-1.0°	4.6	91°	-15.4	-20.0		745.0	TP	-370	+798	1,527,033 200,034
1294	880				14.8	90°20'	-5.1	-19.9			TP			
	440		304°37'-180°	-1.0°	+6.0	88°	-15.3	-9.3	735.7		BS	-244	+366	
	440				+2.1	88°30'	-11.5	-9.4			BS			
1295	220		304°37'	-1.0°	3.7	89°	+3.8	+0.1		735.8		+122	-183	1,526,911 200,217
1296	0				5.3	-		-5.3		730.4	π	0	0	1,526,789 200,400
1297	220		125°55.8'	-1.0°	11.7	91°	-3.8	-15.5		720.2		-126	+180	1,526,663 200,580
1298	440		" "	-1.0°	10.8	92°40'	-20.4	-31.2		704.5		-252	+361	1,526,537 200,761
1299	860	659	" "	-1.0°	12.1	92°40'	-30.7	-42.8		692.9		-377	+540	1,526,412 200,940
1300	880	879	" "	-1.0°	11.8	92°40'	-40.9	-52.7		683.0		-503	+721	1,526,286 201,121
1301	1100	1099	125°55.8'	-1.0°	8.9	92°40'	-51.1	-60.0		675.7	TP	-629	+901	1,526,160 201,301
1301	1100				14.6	92°22'	-45.4	-60.0			TP			
	220		321°34'-180°	-1.0°	+0.9	89°	-3.8	-2.9	672.8		BS	-170	+140	
	220				+2.8	88°30'	-5.8	-3.0			BS			
1302	0				5.3	-		-5.3		667.5	π	0	0	1,525,990 201,441

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 10/20/78	INSTRUMENT MAN G. CoTcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 107
AREA Georgia	TOPO MAP Danielsville North	STATE Georgia	COUNTY Madison	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
1303	23		122°57'	-1.0	5.1	-	-5.1		667.7			-12	+20	1,525,978	201,461	1,525,970 + 201,460 (scaled) Trail El. 666
1303	220		163°-	-1.1°	13.0	91°-	-3.8	-16.8	656.0	TP		-209	+68	1,525,781	201,509	
1303	220	219	5°3'+180°	-1.1°	14.9	90°30'	-1.9	-16.8			TP					
	220				+5.6	86°-	-15.3	-9.7	646.3		BS	-218	-15			
	220				+1.8	87°	-11.5	-9.7			BS					
1304	0				5.3	-	-5.3		641.0		X	0	0	1,525,563	201,494	
1305	220	219	204°14'	-1.1°	7.3	94°-	-15.3	-22.6	623.7			-201	-86	1,525,362	201,408	
1306	440	439	"	-1.1°	11.9	94°-	-30.6	-42.5	603.8			-404	-172	1,525,159	201,322	
1307	660	658	"	-1.1°	13.2	94°-	-45.9	-59.1	587.2			-605	-259	1,524,958	201,235	
1308	880	878	"	-1.1°	9.8	94°-	-61.2	-71.0	575.3			-807	-345	1,524,756	201,149	
1309	1100	1097	203°23'	-1.1°	5.4	94°-	-76.5	-81.9	564.4	TP		-1015	-416	1,524,548	201,078	
1309	1100				15.0	93°30'	-67.0	-82.0			TP					
	880		4°17.6'+180°	-1.1°	+4.1	TH	-4.4	-0.3			BS	-879	-49			
	880				+4.9	89°40'	-5.1	-0.2	564.2		BS					
1310	660		2°46'	-1.1°	11.1	-	-11.1		553.1			+660	+19	1,524,329	201,048	
1311	440		"	-1.1°	12.9	90°40'	-5.1	-18.0	546.2			+440	+13	1,524,109	201,042	
1311	318		5°5'	-1.1°	13.9	90°40'	-3.7	-17.6	546.6			+317	+24	1,523,986	201,053	bridge El. 545
1312	220		2°46'	-1.1°	11.8	91°-	-3.8	-15.6	548.6			+220	+6	1,523,881	201,035	
1313	0				5.3	-	-5.3		558.9		X	0	0	1,523,669	201,029	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/21/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 108
AREA Georgia	TOPO MAP Danielsville North	STATE Georgia	COUNTY Madison	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
									564.2						
1314	220	219	196°31.8'	-1.1°	4.2	85°-	+19.1	+14.9		579.1	TP	-211	-58	1,523,458	200,971
1314	220				0.4	86°-	+15.3	+14.9			TP				
	220	219	34°29' +180°	-1.1°	+12.1	94°-	+15.3	+27.4	606.5		BS	-183	-120		
	220				+14.6	93°20'	+12.8	+27.4			BS				
1315	0				5.3	-		-5.3		601.2	TP	0	0	1,523,275	200,851
1316	220		232°37'	-1.1°	1.6	87°-	+11.5	+9.9		616.4	TP	-137	-172	1,523,138	200,679
1316	220				0.6	87°16'	+10.5	+9.9			TP				
	880	879	66°44.5' +180°	-1.1°	+109	93°-	+46.0	+56.9	673.3		BS	-363	-801		
	880				+145	92°46'	+42.4	+56.9			BS				
1317	660	659	66°44.5'	-1.1°	14.3	93°-	-34.5	-48.8		624.5		+272	+600	1,523,047	200,478
1318	440	439	64°49'	-1.1°	13.0	93°30'	-26.8	-39.8		633.5		+194	+364	1,522,969	200,242
1319	220		60°32'	-1.1°	12.2	93°-	-11.5	-23.7		649.6		+112	+189	1,522,887	200,067
1320	0				5.3	-		-5.3		668.0	TP	0	0	1,522,775	199,878
1321	220		223°19'	-1.1°	2.8	87°-	+11.5	+8.7		682.0		-163	-148	1,522,612	199,730
1322	440	439	218°26.6'	-1.1°	3.0	87°-	+23.0	+20.0		693.3	TP	-349	-266	1,522,426	199,612
1322	440				1.0	87°16'	+21.0	+20.0			TP				
			12°59.4' +180°	-1.1°	+8.3	92°-	+15.3	+23.6	716.9		BS	-429	-90		
					+13.3	91°20'	+10.2	+23.5			BS				
1323	220		7°31°	-1.1°	10.8	91°-	-3.8	-14.6		702.3		+219	+25	1,522,216	199,547
1324	0				5.3	-		-5.3		711.6	TP	0	0	1,521,997	199,522

Trail (east)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
10/21/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1	109				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Georgia		Danielsville	Georgia	Madison					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
									716.9						
1325	220		171°42'	-1.1°	4.3	88°-	+7.7	+3.4		720.3		-217	+36	1,521,780	199,558
1326	440		169°33'	-1.1°	4.4	88°-	+15.3	+10.9		727.8		-431	+88	1,521,566	199,610
1327	660		"	-1.1°	6.8	88°-	+23.0	+16.2		733.1		-647	+132	1,521,350	199,654
1328	880		169°33'	-1.1°	4.7	88°30'	+23.0	+18.3			TP	-862	+176	1,521,135	199,678
1328	880				7.2	88°20'	+25.6	+18.4		735.3	TP				
	880		348°1'-180°	-1.1°	+6.2	-		+6.2		741.5	BS	-857	+199		
	880				+10.6	74	-4.4	+6.2			BS				
1329	660		348°1'	-1.1°	6.3	-		-6.3		735.2		+643	-149	1,520,921	199,748
1330	440		"	-1.1°	7.3	-		-7.3		734.2		+429	-100	1,520,707	199,797
1331	220		"	-1.1°	7.2	-		-7.2		734.3		+214	-50	1,520,492	199,847
1332	0				5.3										
1333															
1332	17		49°35'	-1.1°	5.9	-		-5.9		735.6		+11	+13	1,520,285	199,910 (east)
1332	0				5.3	-		-5.3		736.2	TP	0	0	1,520,278	199,897
1333	220		152°30'	-1.1°	1.9	-		-1.9		739.6		-193	+105	1,520,085	200,002
1334	440		148°-	-1.1°	4.3	89°-	+7.7	+3.4		744.9		-369	+240	1,519,909	200,137
1335	655		142°49'	-1.1°	6.2	89°-	+11.4	+5.2		746.7	TP	-514	+406	1,519,764	200,303 Curve
1335	655				1.3	89°26'	+6.5	+5.2			TP				
	1540		310°5.3'-180°	-1.1°	+13.1	90°30'	+13.4	+26.5		773.2	BS	-969	+1197		
	1540				+14.0	90°28'	+12.5	+26.5			BS				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/21/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. J. H.	PARTY NUMBER 523+	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 110
AREA Georgia	TOPO MAP Danielsville North	STATE Georgia	COUNTY Madison	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									773.2					
1336	1320		310° 5.3'	-1.1°	4.6	91°	-23.0	-27.6		745.6		+830	-1026	1,519,625 200,474
1337	1100		" "	-1.1°	11.1	91°	-19.2	-30.3		742.9		+692	-855	1,519,487 200,645
X	920		311° 6'	-1.1°	13.4	91° 10'	-18.7	-32.1		741.1		+591	-705	1,519,386 200,795 4-Way Intersect. E. 1.742
1338	880		310° 5.3'	-1.1°	12.1	91° 20'	-20.5	-32.6		740.6		+554	-684	1,519,349 200,816
1339	660		" "	-1.1°	13.7	91°	-11.5	-25.2		748.0		+415	-513	1,519,210 200,987
1340	440		" "	-1.1°	12.4	6H	-2.2	-14.6		758.6		+277	-342	1,519,072 201,158
1341	220		" "	-1.1°	8.0	-		-8.0		765.2		+138	-171	1,518,933 201,329
1342	0		" "		5.3	-		-5.3		767.9	T	0	0	1,518,795 201,500
1343	200		135° 30'	-1.1°	6.0	-		-6.0		767.2		-154	+157	1,518,641 201,657
1344	440		" "	-1.1°	9.6	-		-9.6		763.6		-308	+314	1,518,487 201,814
1345	660		" "	-1.1°	13.4	-		-13.4		759.8		-462	+472	1,518,333 201,972
1346	880		135° 30'	-1.1°	13.9	6H	-4.4	-18.3		754.9	T	-616	+629	1,518,179 202,129
1346	880		" "	-	10.6	90° 30'	-7.7	-18.3			T			
	432		347° 36.8' - 180°	-1.1°	+5.4	89°	-7.5	-2.1	752.8		E	-420	+101	Curve
	432		" "		+1.6	89° 30'	-3.8	-2.2			E			
1F	340		353° 51'	-1.1°	1.8	89° 30'	+3.0	+1.2		754.0		+337	-43	1,518,096 202,187 T-rd (east)
1347	220		" "	-1.1°	1.8	-		-1.8		751.0		+218	-28	1,517,977 202,202
1348	0		" "	-1	5.3	-		-5.3		747.5	T	0	0	1,517,759 202,230
1349	220		179° 56'	-1.1°	8.2	-		-8.2		744.6		-220	+4	1,517,539 202,234
1350	440		" "	-1.1°	10.2	-		-10.2		742.6		-440	+9	1,517,318 202,239

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/21/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 111
AREA Georgia	TOPO MAP Danidsville North	STATE Georgia	COUNTY Madison	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.	
									752.8					
1351	660		179°56'	-1.1°	11.8	-		-11.8		741.0		-660	+13	1,517,099 202,243
1352	880		" "	-1.1°	13.5	-		-13.5		739.3		-880	+18	1,516,879 202,248
1353	1100		" "	-1.1°	10.1	BH	-5.5	-15.6		737.2		-1100	+22	1,516,659 202,252
1354	1320		" "	-1.1°	12.8	BH	-6.6	-19.4		733.4		-1320	+27	1,516,439 202,257
1355	1540		178°10'	-1.1°	6.7	90°40'	-17.9	-24.6		728.2	TP	-1538.2	+79	1,516,223 202,309
1355	1540		" "		14.7	90°22'	-9.9	-24.6			TP			
	880	879	351°22.7'-180°	-1.1°	+4.9	87°40'	-35.8	-30.9			BS	-866+2	+148	
	880		" "		+24	87°50'	-33.2	-30.8	697.4		BS			
1355	850	849	352°-	-1.1°	4.8	87°40'	+34.6	+29.8		727.2		+838	-134	1,516,197 202,323 (southwest) T-rd El. 728
1356	660	659	351°22.7'	-1.1°	2.8	87°40'	+26.8	+24.0		721.4		+649	-111	1,516,008 202,346
1357	440		" "	-1.1°	1.8	87°40'	+17.9	+16.1		713.5		+434	-74	1,515,793 202,383
1358	220		" "	-1.1°	1.4	88°-	+7.7	+6.3		703.7		+217	-37	1,515,576 202,420
1359	0		" "		5.3	-		-5.3		692.1	TP	0	0	1,515,359 202,457
1360	220		171°23'	-1.1°	6.8	93°-	-11.5	-18.3		679.1		-217	+37	1,515,142 202,494
1361	440	439	" "	-1.1°	10.4	93°-	-23.0	-33.4		664.0		-433	+74	1,514,926 202,531
1362	660	659	" "	-1.1°	11.7	93°20'	-38.3	-50.0		647.4		-650	+111	1,514,709 202,568
1363	880	878	" "	-1.1°	12.7	93°30'	-53.6	-66.3		631.1		-865	+148	1,514,494 202,605
1364	1100	1098	" "	-1.1°	10.9	93°30'	-67.0	-77.9		619.5		-1082	+185	1,514,277 202,642
1364	1225	1223	170°46'	-1.1°	6.3	93°30'	-74.6	-80.9		616.5		-1203	+219	1,514,156 202,676 bridge
1365	1320	1318	171°23'	-1.1°	2.0	93°30'	-80.4	-82.4		615.0		-1299	+222	1,514,060 202,679

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-245

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10/21/78		G. C. Camp		R. Hulsey		6837		R. J. H.		1		112			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Danielsville North		Georgia		Madison								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
									697.4						
1366	1540	1539	171°23'	-1.1°	10.0	92°30'	-67.1	-77.1		620.3		-1517	+260	1,513,842	202,717
1367	1760	1759	"	-1.1°	10.7	91°50'	-56.3	-67.0		630.4		-1734	+297	1,513,625	202,764
1368	1980	1978	171°5'	-1.1°	13.2	91°10'	-40.3	-53.5		643.9	TP	-1948.2	+344	1,513,413	202,801
1368	1980				10.9	91°14'	-42.6	-53.5			TP				
	437	436	333°18'-180°	-1.1°	14.0	93°-	+22.8	+36.8			BS	-386.2	+203		curve
	437				11.5	93°20'	+25.4	+36.9	680.8		BS				
1369	220		328°-	-1.1°	13.0	92°30'	-9.6	-22.6		658.2		+184	-120	1,513,213	202,884
1370	0				5.3	-		-5.3		675.5	X	0	0	1,513,029	203,004
1371	220		133°47'	-1.1°	2.2	87°-	+11.5	+9.3		690.1		-149	+162	1,512,880	203,166
1372	440	439	"	-1.1°	3.3	87°-	+23.0	+19.7		700.5		-298	+323	1,512,731	203,327
1373	660	659	133°47'	-1.1°	11.2	87°-	+34.5	+23.3		704.1	TP	-447.2	+484	1,512,584	203,488
1373	660				14.3	86°44'	+37.5	+23.2			TP				
	440		313°25.6'-180°	-1.1°	1.9	89°30'	-3.8	-1.9	702.2		BS	-296.2	+325		
	440				4.4	89°10'	-6.4	-2.0			BS				
1374	220		313°25.6'	-1.1°	0.9	TH	+1.1	+0.2		702.4		+148	-163	1,512,438	203,650
1375	0				5.3	-		-5.3		696.9	X	0	0	1,512,290	203,813
1376	220		145°42'	-1.1°	4.0	-		-4.0		698.2	TP	-179.2	+127	1,512,113	203,940
1376	220				5.1	TH	+1.1	-4.0			TP				
	436		348°32'-180°	-1.1°	13.7	91°20'	+10.1	+23.8	722.0		BS	-425.2	+95		curve
	436				12.5	91°30'	+11.4	+23.9			BS				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/21/78	INSTRUMENT MAN S. Cotcamp	ROD MAN R. Fuisey	PARTY NUMBER 6234	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 113
AREA Georgia	TOPO MAP Danielsville North	STATE Georgia	COUNTY Madison	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									722.0							
1377	220		355°29'	-1.1°	13.7	OH	-1.1	-14.8		707.2		+219	-22	1,511,909	204,013	
1378	88		2°34'	-1.1°	8.6	-		-8.6		713.4		+88	+2	1,511,778	204,037	T-rod (east)
1378	0				5.3	-		-5.3		716.7	π	0	0	1,511,690	204,035	} Trans-Con pipeline Compressor
1379	220		174°29.2'	-1.1°	2.2	89°-	+3.8	+1.6		723.6		-219	+25	1,511,471	204,060	
1380	440		174°29.2'	-1.1°	3.0	88°30'	+11.5	+8.5		730.5	TP	-437.2	+51	1,511,255	204,086	
1380	440				1.3	88°44'	+9.7	+8.4			TP					
	220		9°38'+180°	-1.1°	+12.6	-		+12.6	743.1		BS	-217.2	-33			
	220				13.7	TH	-1.1	+12.6			BS					
1381	0				5.3	-		-5.3		737.8	π	0	0	1,511,040	204,053	
1381	24		166°45'	-1.1°	4.9	-		-4.9		738.2		-23	+6	1,511,017	204,059	4-Way Intersect. El. 739
1382	220		204°43'	-1.1°	3.8	-		-3.8		739.3		-202	-88	1,510,838	203,965	
1383	440			-1.1°	2.1	TH	+2.2	+0.1		743.2		-403	-176	1,510,637	203,877	
1384	660		203°18'	-1.1°	4.8	89°-	+11.5	+6.7		749.8		-611	-249	1,510,429	203,804	
1385	880		202°7.4'	-1.1°	5.0	89°-	+15.4	+10.4		753.5	TP	-821.2	-316	1,510,221	203,737	
1385	880				2.4	89°10'	+12.8	+10.4			TP					
	660		8°59'+180°	-1.1°	+5.4	-		+5.4	758.9		BS	-654.2	-90			
	660				8.7	TH	-3.3	+5.4			BS					
1386	440		7°30'	-1.1°	4.4	-		-4.4		754.5		+437	+49	1,510,006	203,696	
1387	220			-1.1°	6.1	-		-6.1		752.8		+219	+25	1,509,788	203,672	
1388	0				5.3	-		-5.3		753.6	π	0	0	1,509,569	203,647	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/21/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6837	NOTES CHECKED BY R.J. H.	LINE NO. 1	PAGE 114
AREA Georgia	TOPO MAP Danielsville North	STATE Georgia	COUNTY Madison	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			
									758.9									
1389	220		178°17'	-1.1°	4.5	-		-4.5		754.4		-220	+11	1,509,349	203,658			
1390	440		176°42'	-1.1°	4.3	-		-4.3		754.6		-439	+34	1,509,130	203,681			
1391	660		175°6'	-1.1°	3.1	-		-3.1		755.8		-656	+69	1,508,913	203,716			
1392	880		174°38'	-1.1°	0.4	-		-0.4		758.5		-874	+99	1,508,695	203,746			
1393	1100		174°13.5'	-1.1°	11.8	89°-	+19.2	+74		766.3		-1092	+132	1,508,477	203,779			
1394	1320		174°13.5'	-1.1°	7.4	89°-	+23.0	+15.6		774.5	TP	-1310 ₊₃	+158	1,508,262	203,805			
1394	1320			-1.1°	2.8	89°12'	+18.4	+15.6			TP							
	440		7°47.2'+180°	-1.1°	+2.6	89°10'	-6.4	-3.8	770.7		BS	-437 ₊₃	-51					
	440				+2.1	89°14'	-5.9	-3.8			BS							
1395	220		14°23'	-1.1°	1.1	89°-	+3.8	+2.7		773.4		+220	+51	1,508,048	203,805			
1396	0				5.3	-		-5.3		765.4	π	0	0	1,507,828	203,754			
1397	220		208°4'	-1.1°	12.1	-		-12.1		758.6		-196	-100	1,507,632	203,654			
1398	440		209°26.6'	-1.1°	9.3	84°	-2.2	-11.5		759.2	TP	-387 ₊₃	-209	1,507,444	203,545			
1398	440				10.2	90°0'	-1.3	-11.5			TP							
	440		51°43.3'+180°	-1.1°	+9.1	-		+9.1	768.3		BS	-279 ₊₂	-340					
	440				+11.3	TH	-2.2	+9.1			BS							
1399	220		51°43.3'	-1.1°	4.9	-		-4.9		763.4		+140	+170	1,507,307	203,375			
1400	0				5.3	-		-5.3		763.0	π	0	0	1,507,167	203,205			
BM	125		243°43'	-1.1°	5.3	-		-5.3		763.0	BM	-57	-111	1,507,110	203,094			
JL TL	170		228°47'	-1.1°	8.7	-		-8.7		759.6		-114	-126	1,507,053	203,079			

elev. 763.
U.S.G.S 230 CMW 1956
1,507,060 + 203,080
4-Way Intersection
horiz. correct. y = +35 x = 0

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-1445

DATE 10/23/78	INSTRUMENT MAN G. Lotcamp	ROD MAN R. H. H. H.	PARTY NUMBER 887	NOTES CHECKED BY R. J. H.	LINE NO.	PAGE 115
AREA Georgia	TOPO MAP Danielsville North	STATE Georgia	COUNTY Madison	TWP	RANGE	PPM
				PARTY MANAGER C. O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									768.3							
1401	190		220°49.5'	-1.1°	10.7	-		-10.7		757.6	TP	-146	-121	1,507,021	203,084	
1401	190				11.7	TH	+1.0	-10.7			TP					
	1320		312°32.7'-180°	-0.9°	+0.8	TH	-6.6	-5.8			BS	-877	+986			
	1320			5.8	5.8	89°30'	-11.5	-5.7	751.9		BS					
1402	1100		312°32.7'	-0.9°	2.0	-		-2.0		749.9		+731	-822	1,506,875	203,248	
1403	880			-0.9°	3.2	-		-3.2		748.7		+585	-658	1,506,729	203,412	
1404	660			-0.9°	8.9	-		-8.9		743.0		+439	-493	1,506,583	203,577	
1405	440			-0.9°	12.3	TH	-2.2	-14.5		737.4		+292	-329	1,506,436	203,741	
1406	220			-0.9°	6.1	-		-6.1		745.8		+146	-164	1,506,290	203,906	
1407	0				5.3	-		-5.3		746.6	X	0	0	1,506,144	204,070	
1408	220		131°42'	-0.9°	11.8	91°	-3.8	-15.6		736.3		-144	+167	1,506,000	204,237	
1409	440			-0.9°	13.2	92°30'	-19.2	-32.4		719.5		-288	+333	1,505,856	204,403	
1410	660	659		-0.9°	11.2	92°30'	-28.8	-40.0		711.9		-431	+499	1,505,713	204,569	
1411	880	879		-0.9°	7.4	92°30'	-38.4	-45.8		706.1		-574	+665	1,505,570	204,735	
1412	1100	1099	131°42'	-0.9°	2.8	92°30'	-47.9	-50.7		701.2		-718	+832	1,505,426	204,902	
1413	1320	1319	131°14.8'	-0.9°	3.9	91°50'	-42.2	-46.1			TP	-854	+1005	1,505,290	205,075	
1413	1320				6.1	91°44'	-39.9	-46.0		705.9	TP					
	212		281°46.3'-180°	-0.9°	+9.8	-		+9.8	715.7		BS	-40	+208			
	212				+10.8	TH	-1.1	+9.7			BS					curve
1414	0				5.3	-		-5.3		710.4	X	0	0	1,505,250	205,283	

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE	
10/23/78		G. Cotcamp			R. Mulvey		6834		R.J.H.			1		116	
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Danielsville N		Georgia		Madison								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
									715.7						
1415	220		72°20'	-0.9°	13.1	-		-13.1		702.6		+70	+209	1,505,320	205,492
1416	440		79°236'	-0.9°	11.5	91°-	-7.7	-19.2		696.5	TP	+88	+431	1,505,338	205,714
1416	440				14.1	90°40'	-5.1	-19.2			TP				
	215		294°27'-180°	-0.9°	+6.3	88°-	-7.5	-1.2	695.3		BS	-86	+197		curve
	215				+5.0	88°20'	-6.3	-1.3			BS				
1417	0				5.3	-		-5.3		690.0	X	0	0	1,505,252	205,911
1418	220		145°474'	-0.9°	10.6	93°-	-11.5	-22.1			TP	-180	+126	1,505,072	206,037
1418	220				6.7	94°-	-15.3	-22.0		673.3	TP				pavement
	210		3°3'+180°	-0.9°	+4.1	87°-	-11.0	-6.9	666.4		BS	-210	-8		curve
	210				+2.9	87°20'	-9.8	-6.9			BS				
1419	0				5.3	-		-5.3		661.1	X	0	0	1,504,862	206,029
	150		133°14'	-0.9°	14.3	91°-	+2.6	-16.9		649.5		-101	+111	1,504,761	206,140
1420	213		126°46'	-0.9°	14.5	92°30'	-9.3	-23.8		642.6	TP	-125	+173	1,504,737	206,202
1420	213				+7.3	86°-					TP				curve
	220		259°27'-180°	-0.9°	+3.5	87°-	-11.5	-8.0	634.6		BS	+44	+216		
	220				+7.3	86°-	-15.3	-8.0			BS				
	19		288°58'	-0.9°	5.7	-		-5.7		628.9		+6	-18	1,504,787	206,400
1421	0				5.3	-		-5.3		629.3	X	0	0	1,504,781	206,418
1422	220		132°2'	-0.9°	2.8	-		-2.8		631.8	TP	-145	+166	1,504,636	206,584
1422	220				3.9	74	+1.1	-2.8			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
10/23/78		G. C. Camp		R. Hulsey		6834		R. J. H.		1	117						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
Georgia		Danielsville N	Georgia	Madison				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		
1422										631.8							
	438	437	292°39.8'-180°	-0.9°	+13.2	93°40'	+28.0	+41.2	673.0		BS	-162	+406				S-curve
	438				+13.8	93°36'	+27.4	+41.2			BS						
1423	220		290°50'	-0.9°	12.2	93°-	-11.5	-23.7		649.3		+75	-207	1,504,549	206,783		
1424	0			-	5.3	-		-5.3		667.7	X	0	0	1,504,474	206,990		
1425	220	219	117°21.8'	-0.9°	4.1	85°-	+19.1	+15.0		688.0		-98	+196	1,504,316	207,186		
1426	440	438		-0.9°	9.1	85°-	+38.2	+29.1		702.1		-195	+392	1,504,279	207,382		
1427	660	658	117°21.8'	-0.9°	9.8	85°40'	+49.7	+39.9	712.9		TP	-293	+589	1,504,181	207,579		
1427	660				14A	85°16'	+54.3	+39.9			TP						
	440		297°44.2'-180°	-0.9°	+11.8	91°-	+7.7	+19.5	732.4		BS	-199	+393				
	440				+14.4	90°40'	+5.1	+19.5			BS						
1428	220		297°44.2'	-0.9°	8.2	-		-8.2		724.2		+99	-196	1,504,081	207,776		
1429	0				5.3	-		-5.3		727.1	X	0	0	1,503,982	207,972		
1430	220		94°15'	-0.9°	2.8	-		-2.8		729.6		-13	+220	1,503,969	208,192		
1431	440		86°40'	-0.9°	6.7	89°-	+7.7	+1.0		733.4		+32	+439	1,504,014	208,411		
1432	650		85°10.8'	-0.9°	5.0	89°20'	+7.6	+2.6	735.0		TP	+65	+647	1,504,047	208,619		curve
1432	650				0.7	TH	+3.3	+2.6			TP						
	220		291°54'-180°	-0.9°	+9.7	-		+9.7	744.7		BS	-42	+216				
	220				+10.8	TH	-1.1	+9.7			BS						
1433	0			-	5.3	-		-5.3		739.4	X	0	0	1,504,005	208,835		
1434	220		136°11'	-0.9°	12.9	BH	-1.1	-14.0		730.7		-156	+155	1,503,849	208,990		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10/23/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		118			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Danielsville N / Bowman		Georgia		Madison								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
									744.7						
1435	440		136°11'	-0.9°	10.0	91°-	-7.7	-17.7		727.0		-313	+310	1,503,692	209,145
1436	642		130°6'	-0.9°	6.3	91°-	-11.2	-17.5		727.2	TP	-406	+498	1,503,599	209,333
1436	642				14.3	81°	-3.2	-17.5			TP				
	880	879	273°29'-180°	-0.9°	+13.2	92°-	+30.7	+43.9			BS	-40	+878		
	880				+14.8	91°56'	+29.7	+44.5	771.7		BS				
+	688		273 41'	-0.9°	13.3	92°0'	-26.0	-39.3		732.4		+33	-687	1,503,592	209,524 4-way El. 728
1437	660	659	273°29'	-0.9°	11.9	92°20'	-26.8	-38.7		733.0		+30	-658	1,503,589	209,553
1438	440		273°29'	-0.9°	11.8	92°20'	-17.9	-29.7		742.0		+20	-440	1,503,579	209,771
1439	220		" "	-0.9°	12.4	91°-	-3.8	-16.2		755.5		+10	-220	1,503,569	209,991 last sta. in Danielsville N.
1440	0				5.3	-		-5.3		766.4	X	0	0	1,503,559	210,211 first sta in Bowman out.
1441	220		94°35.6'	-0.9°	1.3	89°-	+3.8	+2.5		774.2	TP	-14	+220	1,503,545	210,431
1441	220				5.2	88°-	+7.7	+2.5			TP				
	440		276°39.7'-180°	-0.9°	+3.1	89°-	-7.7	-4.6	769.6		BS	-44	+438		
	440				+1.0	89°16'	-5.6	-4.6			BS				
A	600		263°25'	-0.9°	13.2	88°10'	+19.2	+6.0		775.6		-78	-595	1,503,423	210,274 U.S.C. & G.S. elev. 776.0 Tri-station Patton 1935
1442	220		276°39.7'	-0.9°	1.7	-		-1.7		767.9		+22	-219	1,503,523	210,650
1443	0				5.3	-		-5.3		764.3	X	0	0	1,503,501	210,869
1444	220		97°44'	-0.9°	11.2	91°-	-3.8	-15.0		754.6		-26	+218	1,503,475	211,087
1445	440		" "	-0.9°	7.1	91°-	-7.7	-14.8		754.8		-52	+437	1,503,449	211,306

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-1445

Geosource Inc.

DATE 10/23/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 119
AREA Georgia	TOPO MAP Bowman	STATE Georgia	COUNTY Madison	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			
									769.6									
TP	480		97°54'	-0.9°	6.2	91°	-8.4	-14.6		755.0	TP	-58	+476	1,503,443	211,345		90° bend	
TP	480				7.6	90°30'	-7.0	-14.6			TP							
	428		1°21'+180°	-0.9°	+0.2	88°-	-14.9	-14.7	740.3		BS	-428	-3					
	428				+3.9	87°30'	-18.7	-14.8			BS							
1446	220		1°21'	-0.9°	0.7	-		-0.7		739.6		+220	+2	1,503,235	211,344			
1447	0				5.3	-		-5.3		735.0	TP	0	0	1,503,015	211,342			
TL	88		149°43'	-0.9°	5.6	-		-5.6		734.7		-75	+46	1,502,940	211,388		T intersect	
1448	160		98°25°	-0.9°	7.4	-		-7.4		732.9	TP	-21	+159	1,502,994	211,501		shooting across 90° bend	
1448	160				8.2	TH	+0.8	-7.4			TP							
	648		242°53' -180°	-0.9°	+6.4	-		+6.4	739.3		BS	+304	+572					
	548				+9.6	TH	-3.2	+6.4			BS							
1449	430		244°43'	-0.9°	3.3	-		-3.3		736.0		-190	-386	1,503,108	211,687			
1450	210		248°-	-0.9°	1.8	-		-1.8		737.5		-82	-193	1,503,216	211,880		x: -4' y: +8'	
TP	39		338°31'	-0.9°	5.6	-		-5.6		733.7		+36	-15	1,503,334	212,058		1,503,330 + 212,050 (scale) Trd. El. 734	
1451	0				5.3	-		-5.3		734.0	TP	0	0	1,503,298	212,073			
1452	220		175°51.2'	-0.9°	12.1	-		-12.1		727.2		-219	+19	1,503,079	212,092			
1453	440		" "	-0.9°	13.1	91°-	-7.7	-20.8		718.5		-438	+39	1,502,860	212,112			
1454	660			-0.9°	7.0	91°20'	-15.4	-22.4		716.9		-657	+58	1,502,641	212,131			
1455	880		175°51.2'	-0.9°	1.3	90°44'	-11.3	-12.6			TP	-877	+77	1,502,421	212,150			
1455	880				23	90°40'	-10.2	-12.5		726.8	TP							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-A45

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10/21/78		S. Colcamp		R. J. H.		824		R. J. H.		1		120			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Bowman/Carlton		Georgia		Madison								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
1455										726.8					
	220		330°46'-180°	-0.9°	+8.7	-		+8.7	735.5		BS	-190	+110		
	220				+7.6	BH	+1.1	+8.7			BS				
1456	0			-	5.3	-		-5.3		730.2	X	0	0	1,502,231	212,260
1457	218		133°50'	-0.9°	2.2	-		-2.2		733.3	TP	-148	+160	1,502,083	212,420
1457	218				3.3	TH	+1.1	-2.2			TP				
	224		274°17'-180°	-0.9°	+3.3	-		+3.3	736.6		BS	-12	+224		
	224				+4.4	TH	-1.1	+3.3			BS				
1458	0				5.3	-		-5.3		731.3	X	0	0	1,502,071	212,644
1459	220		105°41'	-0.9°	11.7	-		-11.7		724.9	TP	-56	+213	1,502,015	212,857
1459	220				12.8	TH	+1.1	-11.7			TP				
	440		300°12.3'-180°	-0.9°	+0.1	-		+0.1	725.0		BS	-215	+384		
	440				+2.3	TH	-2.2	+0.1			BS				
1460	220		300°12.3'	-0.9°	4.3	-		-4.3		720.7		+108	-192	1,501,908	213,049
1461	0				5.3	-		-5.3		719.7	X	0	0	1,501,800	213,241
1462	220		99°26.7'	-0.9°	0.8	TH	+1.1	+0.3		725.3		-14	+220	1,501,786	213,461
1463	440		"	-0.9°	9.7	TH	+2.2	-7.5		717.5		-27	+439	1,501,773	213,680
1464	660		"	-0.9°	13.0	89°50'	+1.9	-11.1		713.9		-41	+659	1,501,759	213,900
1465	880		99°26.7'	-0.9°	12.3	89°50'	+2.6	-9.7		715.3	TP	-54	+878	1,501,746	214,119
1465	880				14.1	TH	+4.4	-9.7			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/23/78	INSTRUMENT MAN G. Colcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 121
AREA Georgia	TOPO MAP Carlton 7.5'	STATE Georgia	COUNTY Madison	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			
1465										715.3								
	220		285°52.6' - 180°	-0.9°	+3.3	TH	-1.1	+2.2	717.6		BS	-57	+213					
	220				+5.5	89°0'	-3.2	+2.3			BS							
1466	0				5.3	-		-5.3		712.3	X	0	0	1,501,689	214,332			
1467	220		112°11.4'	-0.9°	7.7	-		-7.7		709.9		-80	+205	1,501,609	214,537			
1468	440		112°11.4'	-0.9°	9.1	-		-9.1		708.5	TP	-160-2	+410	1,501,527	214,742			
1468	440				11.3	TH	+2.2	-9.1			TP							
	442		304°14' - 180°	-0.9°	+1.6	TH	-2.2	-0.6	707.9		BS	-243-2	+369					
	442				+4.5	89°20'	-5.1	-0.6			BS							
1469	220		304°14'	-0.9°	2.3	-		-2.3		705.6		+121	-184	1,501,403	214,927			
1470	0				5.3	-		-5.3		702.6	X	0	0	1,501,282	215,111			
1471	220		132°49'	-0.9°	11.6	-		-11.6		696.3	TP	-147-2	+164	1,501,133	215,275			
1471	220				12.7	TH	+1.1	-11.6			TP							
	438		322°23' - 180°	-0.9°	+1.6	89°30'	-3.8	-2.2	694.1		BS	-341-2	+275					
	438				+5.3	89°	-7.6	-2.3			BS							
1472	220		316°40'	-0.9°	2.9	-		-2.9		691.2		+158	-153	1,500,948	215,397			
1473	0				5.3	-		-5.3		688.8	X	0	0	1,500,790	215,550			
1474	220		143°36.4'	-0.9°	10.4	-		-10.4		683.7		-175	+133	1,500,615	215,683			
1475	440		" "	-0.9°	11.0	91°	-7.7	-18.7		675.4		-350	+267	1,500,440	215,817			
1476	660		143°36.4'	-0.9°	8.4	91°	-11.5	-19.9		674.2	TP	-525-2	+400	1,500,263	215,950			
1476	660				4.9	91°18'	-15.0	-19.9			TP							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12/28/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		122				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Carlton 7.5'		Georgia		Madison								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
1476										674.2						
	880		300° 4' - 180°	-0.9°	+9.0	89°	-15.4	-6.4	667.8		BS	-42° - 2	+768			
	880				+4.9	89° 16'	-11.3	-6.4			BS					
1477	660		300° 4'	-0.9°	4.4	89°	+11.5	+7.1		674.9		+322	-576	1,500,154	216,142	
1478	440		" "	-0.9°	3.6	89°	+7.7	+4.1		671.9		+214	-384	1,500,046	216,334	
1478	400		301° 8'	-0.9°	3.8	89°	+7.0	+3.2		671.0		+201	-346	1,500,033	216,372	trail (north)
1479	220		300° 4'	-0.9°	0.2	-		-0.2		667.6		+107	-192	1,499,939	216,526	
1480	0				5.3	-		-5.3		662.5	X	0	0	1,499,832	216,718	
1481	220		123° 30'	-0.9°	7.1	-		-7.1		660.7		-119	+185	1,499,713	216,803	
1482	440		121° 50.4'	-0.9°	3.5	-		-3.5		664.3	TP	-226 - 2	+377	1,499,604	217,095	
1482	440				5.7	TH	+2.2	-3.5			TP					
	652		284° 13.4' - 180°	-0.9°	+10.7	-		+10.7			BS	-150 - 2	+634		Curve	
	652				+7.5	BH	+3.3	+10.8	675.1		BS					
1483	440		280° 41'	-0.9°	10.3	-		-10.3		664.8		+75	-434	1,499,527	217,295	
1484	220		" "	-0.9°	8.1	-		-8.1		667.0		+37	-217	1,499,489	217,512	
1485	0				5.3	-		-5.3		669.8	X	0	0	1,499,452	217,729	
1486	220		102° 54.5'	-0.9°	5.8	-		-5.8		669.3	TP	-46 - 2	+215	1,499,404	217,944	
1486	220				6.9	TH	+1.1	-5.8			TP					
	220		300° 29.7' - 180°	-0.9°	+5.2	-		+5.2	674.5		BS	-109 - 2	+191			
	220				+6.3	TH	-1.1	+5.2			BS					
1487	0				5.3	-		-5.3		669.2	X	0	0	1,499,293	218,135	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/23/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 123
AREA Georgia	TOPO MAP Carlton	STATE Georgia	COUNTY Madison	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
									674.5						horiz. correct. = y=0 x=20	
177	130		130°53'	-0.9°	10.3	-		-10.3		664.2		-84	-100	1,499,209	218,235	1,499,210 + 210,240
1488	220		129°41.5'	-0.9°	11.9	91°	-3.8	-15.7		658.8		-138	+171	1,499,155	218,306	Intersect. El. 665
1489	440		"	-0.9°	13.5	91°	-7.7	-21.2		653.3		-277	+343	1,499,016	218,478	
1490	660		129°41.5'	-0.9°	8.4	91°	-11.5	-19.9		654.6	TP	-413	+514	1,498,880	218,699	
1490	660				14.6	90°28'	-5.4	-20.0			TP					
	431		309°54.4' -180°	-1.1°	+12.3	90°30'	+3.8	+16.1		670.7	BS	-270	+336			curve
	431				+14.3	90°14'	+1.8	+16.1			BS					
1491	220		301°23'	-1.1°	13.1	-		-13.1		657.6		+111	-190	1,498,721	218,795	
1492	0				5.3	-		-5.3		665.4	X	0	0	1,498,610	218,985	
1493	220		100°27.8'	-1.1°	12.3	92°	-7.7	-20.0		650.7		-36	+217	1,498,574	219,202	
1494	440		"	-1.1°	11.9	92°	-15.3	-27.2		643.5		-72	+434	1,498,538	219,419	
1495	660		"	-1.1°	12.3	91°	-11.5	-23.8		646.9		-107	+651	1,498,503	219,636	
1496	880		100°27.8'	-1.1°	9.8	-		-9.8		660.9	TP	-143	+868	1,498,967	219,853	
1496	880				14.2	TH	+4.4	-9.8			TP					
	880		278°12' -180°	-1.1°	+4.4	-		+4.4		665.3	BS	-109	+873			
	880		278°		8.8	TH	-4.4	+4.4			BS					
1497	660		278°12'	-1.1°	13.0	BH	-3.3	-16.3		649.0		+82	-655	1,498,440	220,071	
1498	440		"	-1.1°	12.0	BH	-2.2	-14.2		651.1		+54	-437	1,498,412	220,289	
1499	220		"	-1.1°	3.1	-		-3.1		662.2		+27	-218	1,498,385	220,508	
BM	142		286°5'	-1.1°	2.2	-		-2.2		663.1		+37	-137	1,498,395	220,589	El. 664 U.S.G.S. CMN 225 1956

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
10/24/78		G. Co. Camp		R. Hulsey		6834		R. J. H.		1		124				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Carlton		Georgia		Madison								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
									665.3							
FF	22		270°58'	-1.1°	4.8	-		-4.8		660.5		0	-22	1,498,358	220,704	4-way Intersect.
1500	0				5.3	-		-5.3		660.0		0	0	1,498,358	220,726	
1501	220		61°53'	-1.1°	12.1	-		-12.1		653.2		+107	+192	1,498,465	220,918	
1502	440		59°29'	-1.1°	11.1	91°-	-7.7	-18.8		646.5		+231	+375	1,498,589	221,101	
1503	660		57°59'	-1.1°	13.0	91°-	-11.5	-24.5		640.8		+361	+552	1,498,719	221,278	
1504	871		55°24.4'	-1.1°	9.8	91°-	-15.2	-25.0			TP	+508	+707	1,498,866	221,433	curve
1504	871				14.8	90°40'	-10.1	-24.9		640.4	TP					
	225		215°40.7'-180°	-1.1°	+12.7	-		+12.7	653.1		BS	+185	+128			
	225				+13.8	TH	-1.1	+12.7			BS					
FF	90		299°3'	-1.1°	4.7	-		-4.7		648.4		+42	-80	1,499,093	221,481	T-intersect
1505	0				5.3	-		-5.3		647.8	TP	0	0	1,499,051	221,561	line jogs southeast
1506	220		148°58.3'	-1.1°	9.1	-		-9.1		644.0		-186	+117	1,498,865	221,678	
1507	440		"	-1.1°	5.8	-		-5.8		647.3		-373	+234	1,498,678	221,795	
1508	660		"	-1.1°	3.6	TH	+3.3	-0.3		652.8		-559	+351	1,498,492	221,912	
1509	880		148°58.3'	-1.1°	5.5	89°-	+15.4	+9.9		663.0	TP	-745	+468	1,498,306	222,029	
1509	880				+0.4	89°20'	+10.2	+9.8			TP					
	217		309°67'-180°	-1.1°	+6.3	87°-	-11.3	-5.0	658.0		BS	-124	+171			curve
	217				+8.2	86°30'	-13.2	-5.0			BS					
1510	0				5.3	-		-5.3		652.7	TP	0	0	1,498,172	222,200	
	75		114°11'	-1.1°	7.9	-		-7.9		650.1		-29	+69	1,498,193	222,269	trail

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-A45

Geosource Inc.

DATE 10/24/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 125
AREA Georgia	TOPO MAP Carlton	STATE Georgia	COUNTY Madison	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				
									658.0										
1511	220		121° 7'	-1.1°	10.7	-		-10.7		647.3		-110	+190	1,498,062	222,390				
1512	440		133° 38'	-1.1°	7.9	-		-7.9		650.1		-297	+324	1,497,875	222,524				
1513	657		137° 28'	-1.1°	5.1	-		-5.1		652.9		-476	+453	1,497,696	222,653				
1514	876		"	-1.1°	5.1	-		-5.1		652.9		-634	+604	1,497,538	222,804				
1515	1090		137° 1.5'	-1.1°	2.3	-		-2.3		655.7	TP	-783	+758	1,497,389	222,958			S-curve	
1515	1090				7.8	TH	+5.5	-2.3			TP								
	440		301° 14.7' -180°	-1.1°	+1.0	-		+1.0	656.7		BS	-221	+380						
	440				3.2	TH	-2.2	+1.0			BS								
1516	220		301° 14.7'	-1.1°	2.1	-		-2.1		654.6		+110	-190	1,497,278	223,148				
1517	0				5.3	-		-5.3		651.4	π	0	0	1,497,168	223,338				
1518	220		118° 58'	-1.1°	12.0	92° -	-7.7	-19.7		637.0		-103	+194	1,497,065	223,532				
1519	440		"	-1.1°	11.9	92° -	-15.3	-27.2		629.5		-206	+389	1,496,962	223,727				
1520	658		115° 15.5'	-1.1°	14.5	91° 34'	-18.0	-32.5		624.2	TP	-269	+600	1,496,899	223,938				
1520	658				14.1	91° 36'	-18.4	-32.5			TP								
	1100		275° 43' -180°	-1.1°	+6.9	-		+6.9	631.1		BS	-88	+1096						
	1100				*12.4	TH	-5.5	+6.9			BS								
1521	880		275° 43'	-1.1°	9.3	-		-9.3		621.8		+71	-877	1,496,882	224,157				
1522	660		"	-1.1°	10.5	-		-10.5		620.6		+53	-658	1,496,864	224,376				
1523	440		"	-1.1°	9.0	-		-9.0		622.1		+35	-439	1,496,846	224,595				
1524	220		"	-1.1°	7.5	-		-7.5		623.6		+18	-219	1,496,829	224,815				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/24/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 126
AREA Georgia	TOPO MAP Garlton	STATE Georgia	COUNTY Madison	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.	
									631.1					
1525	0				5.3	-		-5.3		625.8	π	0	0	1,496,811 225,034
	127		97°6'	-1.1°	1.8	-		-1.8		629.3		-13	+126	1,496,798 225,160 trail (north)
1526	220		103°23'	-1.1°	1.0	-		-1.0		630.1		-47	+215	1,496,764 225,249
1527	440		"	-1.1°	3.2	-		-3.2		627.9		-94	+430	1,496,717 225,464
1528	660		103°23'	-1.1°	6.1	89°24'	+6.9	+0.8		631.9	TP	-140	+645	1,496,671 225,679
1528	660				6.9	89°20'	+7.7	+0.8			TP			
	222		276°28'-180°	-1.1°	+4.5	-		+4.5	636.4		BS	-21	+221	
	222				+5.6	TH	-1.1	+4.5			BS			
1529	0				5.3	-		-5.3		631.1	π	0	0	1,496,650 225,900 set up opposite station
1530	220		115°39.6'	-1.1°	9.6	-		-9.6		626.8		-91	+200	1,496,559 226,100
1531	440		"	-1.1°	8.9	-		-8.9		627.5		-183	+400	1,496,467 226,300
1532	663		115°39.6'	-1.1°	12.8	-		-12.8		623.6	TP	-275	+603-1	1,496,325 226,502 T.P. opposite sta.
1532	663				9.5	OH	-3.3	-12.8			TP			
	223		316°17.3'-180°	-1.1°	+3.0	-		+3.0	626.6		BS	-158	+157-2	
	223				4.1	TH	-1.1	+3.0			BS			
	158		317°40'	-1.1°	4.1	-		-4.1		622.5		+115	-109	1,496,332 226,548 T-rod El. 621
1533	0				5.3	-		-5.3		621.3	π	0	0	1,496,217 226,657
1534	220		147°3'	-1.1°	4.0	-		-4.0		622.6	TP	-182	+123-2	1,496,035 226,778
1534	220				5.1	TH	+1.1	-4.0			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10/24/78		G. Cotcamp		R. H. Wiley		6834		R. J. H.		1		127			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Section		Georgia		Madison								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.		
1534										622.6					
	220		307°53'-180°	-1.1°	+5.6	-		+5.6		628.2	BS	-132+2	+176-2		
	220				+6.7	TH	-1.1	+5.6			BS				
1535	0				5.3	-		-5.3		622.9	X	0	0	1,495,905	226,952
TP	37		105°51'	-1.1°	5.1	-		-5.1		623.1		-9	+36	1,495,896	226,988
1536	220		109°5'	-1.1°	D.8	TH	+1.1	+0.3		628.5		-68	+209	1,495,837	227,161
1537	440		109°8'	-1.1°	2.0	88°40'	+10.2	+8.2		636.4	TP	-136+2	+418-2	1,495,771	227,368
1537	440				4.5	88°20'	+12.8	+8.3			TP				
	220		288°36.3'-180°	-1.1°	+1.8	88°40'	-5.1	-3.3		633.1	BS	-66+2	+210-2		
	220				+2.4	88°30'	-5.8	-3.4			BS				
1538	0				5.3	-		-5.3		627.8	X	0	0	1,495,707	227,576
1539	218		123°B.4'	-1.1°	7.3	-		-7.3		625.8	TP	-116+2	+185-2	1,495,593	227,759
1539	218				8.4	TH	+1.1	-7.3			TP				Curve
	440		311°2'-180°	-1.1°	+14.1	8H	+2.2	+16.3		642.1	BS	-282+2	+337-2		
	440				+14.2	90°16'	+2.0	+16.2			BS				
1540	220		311°2'	-1.1°	10.7	-		-10.7		631.4		+141	-169	1,495,454	227,925
1541	0				5.3	-		-5.3		636.8	X	0	0	1,495,313	228,094
1542	220		122°24'	-1.1°	7.3	-		-7.3		634.8		-114	+188	1,495,199	228,282
1543	440		'	-1.1°	9.1	-		-9.1		633.0		-229	+376	1,495,084	228,470
1544	660		'	-1.1°	7.9	-		-7.9		634.2		-343	+564	1,494,970	228,658
1545	880		'	-1.1°	11.2	-		-11.2		630.9		-457	+752	1,494,856	228,846

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
10/24/78		S. Co. + camp		R. Hulsey		6834		R. J. H.		1	128				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Georgia		Carlton		Georgia		Madison					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
									642.1						
1546	1100		121°30.6'	-1.1°	14.7	-		-14.7		627.4	TP	-557.2	+949.2	1,494,758	229,041
1546	1100				9.2	0H	-5.5	-14.7			TP				
	220		283°38.2'-180°	-1.1°	+1.1	-		+1.1		628.5	BS	-48.2	+215.2		
	220				+2.2	TH	-1.1	+1.1			BS				
1547	0			-1.1°	5.3	-		-5.3		623.2	π	0	0	1,494,712	229,254
1548	220		77°30'	-1.1°	6.3	-		-6.3		622.2		+52	+214	1,494,764	229,468
1548	252		79°18'	-1.1°	4.3	0H	+1.3	-5.6		622.9	TP	+73.3	+241	1,494,785	229,495
1548	252				4.1	90°20'	-1.5	-5.6			TP				
	422		305°28'-180°	-1.3°	+14.2	92°-	+14.7	+28.9		651.8	BS	-237.3	+349		
	422				+12.9	92°10'	+15.9	+28.8			BS				
1549	220		305°28'	-1.3°	8.3	92°-	-7.7	-16.0		635.8		+124	-182	1,494,675	229,662
1550	0				5.3	-		-5.3		646.5	π	0	0	1,494,551	229,844
1551	222		127°48.6'	-1.3°	2.2	89°-	+3.9	+1.7		653.5	TP	-132.3	+178	1,494,422	230,022
1551	222				0.5	89°26'	+2.2	+1.7			TP				TP opposite station
	223		329°58.5'-180°	-1.3°	+14.2	-		+14.2		667.7	BS	-190.3	+116		
	223				+13.1	0H	+1.1	+14.2			BS				
1552	0				5.3	-		-5.3		662.4	π	0	0	1,494,235	230,138
1553	217		192°59'	-1.3°	8.4	-		-8.4		659.3	TP	-212.3	-44	1,494,026	230,094
1553	217				9.5	TH	+1.1	-8.4			TP				curve

horiz. correct. y = +14'
x = -19'
1,494,785 + 229,495 (scaled)
Y-intersect E1. 623

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445




Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
10/24/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1	129			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
Georgia		Carlton		Georgia		Madison					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.	
1553										659.3				
	660		27°36.2'+180°	-1.3°	+1.1	89°16'	-8.4	-7.3	652.0		BS	-592+3	-292	
	660				+1.5	89°14'	-8.8	-7.3			BS			
1554	440		27°36.2'	-1.3°	0.8	TH	+2.2	+1.4		653.4		+394	+195	1,493,831 229,997
1555	220			-1.3°	2.2	-		-2.2		649.8		+197	+97	1,493,631 229,899
1556	0				5.3	-		-5.3		646.7	π	0	0	1,493,431 229,802
1557	220		189°3'	-1.3°	8.1	-		-8.1		643.9		-218	-30	1,493,219 229,772
1558	440		183°52.8'	-1.3°	10.1	-		-10.1		641.9		-440	-14	1,492,991 229,788
1559	658		183°52.8'	-1.3°	6.1	90°38'	-7.3	-13.4		638.6	TP	-657+3	-30.	1,492,783 229,772 S-curve
1559	658				5.7	90°40'	-7.7	-13.4			TP			
	440		336°49'-180°	-1.3°	+2.4	-		+2.4		641.0	BS	-400+3	+182.	
	440				+4.6	TH	-2.2	+2.4			BS			
1560	220		335°5'	-1.3°	1.9	-		-1.9		639.1		+197	-97	1,492,583 229,857
1561	0				5.3	-		-5.3		635.7	π	0	0	1,492,386 229,954
1562	220		140°25'	-1.3°	10.2	-		-10.2		630.8	TP	-166+3	+144.	1,492,223 230,098
1562	220				11.3	TH	+1.1	-10.2			TP			
	222		334°37.6'-180°	-1.3°	+2.3	-		+2.3		633.1	BS	-198+3	+100.	
	222				+3.4	TH	-1.1	+2.3			BS			
1563	0				5.3	-		-5.3		627.8	π	0	0	1,492,028 230,198
1564	220		158°47'	-1.3°	8.1	-		-8.1		625.0		-203	+84	1,491,825 230,282
1565	440		"	-1.3°	12.0	-		-12.0		621.1		-406	+168	1,491,622 230,366

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-1445

Geosource Inc.

DATE 10/25/78		INSTRUMENT MAN G. Cotcamp		ROD MAN R. Hulsey		PARTY NUMBER 6834		NOTES CHECKED BY R.J.H.		LINE NO. 1		PAGE 130				
AREA Georgia		TOPO MAP Carlton		STATE Georgia		COUNTY Madison		TWP		RANGE		PPM		PARTY MANAGER L.V. 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 Y X		REMARKS
									633.1							
1566	660		158°47'	-1.3°	13.0	BH	-3.3	-16.3		616.8		-610	+253	1,491,418	230,451	
1567	880			-1.3°	11.2	90°30'	-7.7	-18.9		614.2		-813	+337	1,491,215	230,535	
1568	1100		158°47'	-1.3°	11.7	90°30'	-9.6	-21.3		611.8	TP	-1016+3	+421	1,491,015	230,619	
1568	1100				19.9	90°20'	-6.4	-21.3			TP					
	220		321°17'-180°	-1.3°	5.6	-		+5.6	617.4		BS	-168+3	+141			
	220				4.5	BH	+1.1	+5.6			BS					
	118		316°37'	-1.3°	5.9	-		-5.9	611.5			+84	-83	1,490,934	230,677	1,490,950+230,665 Trail E1. 611
1569	0				5.3	-		-5.3	612.1	TP	0	0	1,490,850	230,760		
1570	220		141°22.9'	-1.3°	13.7	-		-13.7	603.7		-169	+141	1,490,681	230,901		
1571	440			-1.3°	7.4	92°-	-15.3	-22.7	594.7		-337	+282	1,490,513	231,042		
1572	660			-1.3°	13.7	92°-	-23.0	-36.7	580.7		-506	+424	1,490,344	231,184		
1572	752	751	141°34'	-1.3°	12.6	92°-	-26.2	-38.8	578.6		-578	+480	1,490,272	231,240	Trail (north)	
1573	880	879	141°22.9'	-1.3°	12.1	92°-	-30.7	-42.8	574.6		-674	+564	1,490,176	231,324		
1574	1100	1099		-1.3°	6.8	92°30'	-47.9	-54.7	562.7	TP	-843+2	+705	1,490,009	231,465		
1574	1100		141°22.9'		4.9	92°36'	-49.9	-54.8			TP					
	443		317°48.5'-180°	-1.3°	4.7	87°20'	-20.6	-15.9	546.8		BS	-321+2	+305			
	443				2.2	87°40'	-18.0	-15.8			BS					
1575	221		317°48.5'	-1.3°	0.2	88°-	+7.7	+7.5	554.3		+160	-152	1,489,850	231,618		
1576	0				5.3	-		-5.3	541.5	TP	0	0	1,489,690	231,770	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	
10/25/78		G. Cotcamp			R. Hulsey			6834		R. J. H.		1		131	
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Carlton		Georgia		Madison								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
									546.8						
1577	226		169°22'	-1.3°	148	84	-1.1	-15.9		530.9	TP	-221+2	+47	1,489,471	231,817
1577	226				14.6	90°26'	-1.3	-15.9			TP				
	440	439	4°30.7' +180°	-1.3°	141	86°4'	-28.8	-24.7	506.2		BS	-438+2	-25		
	440				46	86°10'	-29.3	-24.7			BS				
1578	220	219	4°30.7'	-1.3°	6.1	86°-	+15.3	+9.2		515.4		+219	+12	1,489,254	231,804
1578	24		25°25'	-1.3°	4.7	-		-4.7		501.5		+22	+10	1,489,057	231,802 (Tird (northeast))
1579	0				5.3	-		-5.3		500.9	TP	0	0	1,489,035	231,792
TP	190		194°42'	-1.3°	13.8	91°-	-3.3	-17.1		489.1	TP	+185+2	-44	1,488,852	231,748 split sta. due to curve
TP	190				133	91°10'	-3.9	-17.2			TP				
	250		315°53' -180°	-1.3°	+2.7	86°40'	-14.5	-11.8	477.3		BS	-175+2	+178		
	250				3.5	86°30'	-15.2	-11.7			BS				
1580	220		314°50'	-1.3°	2.2	87°-	+11.5	+9.3		486.6		+152	-159	1,488,831	231,767
1581	0				5.3	-		-5.3		472.0	TP	0	0	1,488,679	231,926
1582	218		107°-	-1.3°	32	91°-	-3.8	-7.0		470.3	TP	-59+2	+210	1,488,622	232,136
1582	218				3.5	90°56'	-3.6	-7.1			TP				
	220		244°29' -180°	-1.3°	+1.5	-		+1.5	471.8		BS	+99+2	+196		
	220				2.6	TH	-1.1	+1.5			BS				
1583	0				5.3	-		-5.3		466.5	TP	0	0	1,488,723	232,332
1584	218		64°57'	-1.3°	14.1	89°10'	+3.2	-10.9		460.9	TP	+97+2	+195	1,488,822	232,527
1584	218				13.8	89°14'	+2.9	-10.9			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10/25/78		G. Cotcamp		R. Hulsey		6837		P.J. H.		1		132			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Carlton		Georgia		Madison								L.O.D	
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
1584										460.9					
	220		329°38' -180°	-1.3°	+13.0	87°45'	-8.6	+4.4	465.3		BS	-187+2	+115		
	220				+13.5	87°38'	-9.1	+4.4			BS				
	78		348°45'	-1.3°	9.3	-	-9.3		456.0			+76	-17	1,488,713 232,625 middle of ford.	
1585	0				5.3	-	-5.3		460.0		X	0	0	1,488,637 232,642	
1586	220		146°3'	-1.3°	2.8	89°-	+3.8	+1.0	466.3			-180	+127	1,488,457 232,769	
1587	440	439	142°20.5'	-1.3°	8.3	86°-	+30.6	+22.3	487.6		TP	-341+2	+276	1,488,298 232,918	
1587	440				3.2	86°40'	+25.5	+22.3			TP				
	156		293°45' -180°	-1.3°	+11.8	-	+11.8		499.4		BS	-59+2	+144		
	156				+12.6	74	-0.8	+11.8			BS				
X	0				5.3	-	-5.3		494.1		X	0	0	1,488,241 233,062 split sta. due to curve	
1588	70		151°33'	-1.3°	2.2	-	-2.2		497.2			-61	+35	1,488,180 233,097	
TP	248		147°50.8'	-1.3°	4.2	86°46'	+14.0	+9.8	509.2		TP	-207+2	+137	1,488,036 233,199	
TP	248				1.1	87°30'	+10.8	+9.7			TP				
	280	279	23°33' +180°	-1.3°	+2.5	94°44'	+23.0	+25.5	534.7		BS	-258+2	-106		
	280				+1.0	95°02'	+24.5	+25.5			BS				
1589	220		25°4'	-1.3°	12.1	98°-	-11.5	-23.6	511.1			+201	+89	1,487,981 233,182	
1590	0				5.3	-	-5.3		529.4		X	0	0	1,487,780 233,093	
1591	215	214	185°32'	-1.3°	1.2	86°-	+15.0	+13.8	548.5		TP	-213+2	-16	1,487,569 233,077	
1591	215				0.6	86°10'	+14.3	+13.7			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN			ROD MAN			PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE			
10/25/78		G. Cotcamp			R. Hulsey			6834		R. J. H.			1	133			
AREA		TOPO MAP		STATE	COUNTY			TWP	RANGE	PPM	PARTY MANAGER						
Georgia		Carlton		Georgia	Madison						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		
1591										548.5							
	220		347°44'-180°	-1.3°	+131	91°-	+3.8	+16.9	565.4		BS	-214.2	+52				
	220				+144	90°40'	+2.6	+17.0			BS						
1592	0				5.3	-		-5.3	560.1		TP	0	0	1,487,357	233,129		
1593	222		185°57.4'	-1.3°	3.0	-		-3.0	562.4		TP	-221.2	-18	1,487,138	233,111	T.P. opposite station	
1593	222				1.9	BH	-1.1	-3.0			TP						
	222		25°20'+180°	-1.3°	+122	-		+12.2	574.6		BS	-203.2	-90				
	222				+133	TH	-1.1	+12.2			BS						
1594	0				5.3	-		-5.3	569.3		TP	0	0	1,486,937	233,021		
1594	42		214°04'	-1.3°	3.6	-		-3.6	571.0		TP	-35	-23	1,486,902	232,998	Trail El. 570	
1595	220		227°46'	-1.3°	3.8	88°-	+7.7	+3.9	578.5		TP	-151.2	-159	1,486,788	232,862		
1595	220				1.3	88°40'	+5.1	+3.8			TP						
	440		63°48'+180°	-1.3°	+142	91°20'	+10.2	+24.4	602.9		BS	-203.2	-390				
	440				+12.9	91°30'	+11.5	+24.4			BS						
1596	220		63°48'	-1.3°	11.6	-		-11.6	591.3		TP	+102	+195	1,486,689	232,667		
1597	0				5.3	-		-5.3	597.6		TP	0	0	1,486,587	232,472		
1598	220		227°51'	-1.3°	1.0	TH	+1.1	+0.1	603.0		TP	-151	-160	1,486,436	232,312		
1599	416		208°15'	-1.3°	8.8	88°-	+14.5	+5.7	608.6		TP	-371.2	-188	1,486,218	232,284	sharp curve	
1599	416				5.1	88°30'	+10.9	+5.8			TP						
	1100		3°7'+180°	-1.3°	+14.1	-		+14.1	622.7		BS	-1099.2	-35				
	1100				+8.6	BH	+5.5	+14.1			BS						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 10/25/78	INSTRUMENT MAN S. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 134
AREA Georgia	TOPO MAP Carlton	STATE Georgia	COUNTY Madison	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									6227							
1600	880		3°7'	-1.3°	12.1	-		-12.1		610.6		-880	+28	1,486,001	232,277	
1601	660		"	-1.3°	11.3	BH	-3.3	-14.6		608.1		+660	+21	1,485,781	232,270	
1602	440		"	-1.3°	9.7	91°	-7.7	-17.4		605.3		+440	+14	1,485,561	232,263	
1603	220		"	-1.3°	7.3	91°	-3.8	-11.1		611.6		+220	+7	1,485,341	232,256	
1604	130		359°39'	-1.3°	8.8	-		-8.8		613.9		+130	-4	1,485,251	232,245	Trail (south west)
1605	0				5.3	-		-5.3		617.4	π	0	0	1,485,121	232,249	
1606	220		173°31'	-1.3°	0.8	TH	+1.1	+0.3		623.0		-218	+30	1,484,903	232,279	
1606	440		170°11.2'	-1.3°	5.9	89°30'	+3.8	-2.1		620.6	TP	-432.2	+85	1,484,691	232,334	
1606	440				9.7	89°	+7.7	-2.0			TP					
	220		331°35'-180°	-1.3°	+2.6	-		+2.6		623.2	BS	-191.1	+109			
	220				+3.7	TH	-1.1	+2.6			BS					
1607	0				5.3	-		-5.3		617.9	π	0	0	1,484,501	232,443	
1608	220		132°32'	-1.3°	3.0	89°	+3.8	+0.8		624.0		-145	+165	1,484,356	232,608	
1609	440		"	-1.3°	7.8	88°	+15.3	+7.5		630.7		-290	+331	1,484,211	232,774	
1610	630		131°50'	-1.3°	11.0	88°	+22.0	+11.0		634.2		-409	+479	1,484,092	232,922	Y-intersect (west)
1610	658		131°40'	-1.3°	12.3	88°	+23.0	+10.7		633.9	TP	-426	+501	1,484,075	232,944	
1610	658			-1	3.9	88°44'	+14.5	+10.6			TP					
	440		295°1'-180°	-1.3°	+14.9	89°38'	-2.8	+12.1		646.0	BS	-177	+403			
	440				+14.7	89°40'	-2.6	+12.1			BS					
1611	220		301°10'	-1.3°	8.2	-		-8.2		637.8		+110	-191	1,484,008	233,156	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-7445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
10/25/78		G. Co. Camp		R. Hulsey		6837		G. w. C.		1	135			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
Georgia		Carlton		Georgia		Madison						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.	
									646.0					
1612	0				5.3	-		-5.3		640.7	π	0	0	1,483,898 233,347
1613	220		125° 12.8'	-1.3°	4.1	-		-4.1		641.9		-123	+183	1,483,775 233,530
1614	440		" "	-1.3°	6.8	-		-6.8		639.2		-245	+365	1,483,653 233,712
1615	660		125° 12.8'	-1.3°	12.4	-		-12.4		633.6	TP	-368	+548	1,483,530 233,895
1615	660				9.1	BH	-3.3	-12.4			TP			
	220		312° 14.4' -180°	-1.3°	+1.0	-		+1.0		634.6	BS	-144	+166	
	220				+2.1	TH	-1.1	+1.0			BS			
✕	32		331° 12'	-1.3°	4.5	-		-4.5		630.1		+28	-16	1,483,414 234,045 4-Way Intersect. E1. 630
1616	0				5.3	-		-5.3		629.3	π	0	0	1,483,386 234,061
1617	220		142° 38'	-1.3°	10.8	-		-10.8		623.8		-172	+137	1,483,214 234,198
1618	440		146° 36'	-1.3°	10.8	90° 40'	-5.1	-15.9		618.7		-362	+250	1,483,024 234,311
1619	660		147° 26'	-1.3°	5.9	91° 06'	-12.7	-18.6		616.0		-548	+368	1,482,838 234,429
1620	880		145° 38.6'	-1.3°	14.1	90° 20'	-5.1	-19.2		615.4	TP	-715	+513	1,482,671 234,574
1620	880				12.6	90° 26'	-6.7	-19.3			TP			
	880		319° 8' -180°	-1.3°	+14.4	BH	+4.4	+18.8		634.2	BS	-652	+591	
	880				+14.6	90° 16'	+4.1	+18.7			BS			
1621	660		319° 8'	-1.3°	12.0	BH	-3.3	-15.3		618.9		+489	-443	1,482,508 234,722
1622	440		" "	-1.3°	10.2	-		-10.2		624.0		+326	-295	1,482,345 234,870
1623	220		" "	-1.3°	6.4	-		-6.4		627.8		+163	-148	1,482,182 235,017
1624	0				5.3	-		-5.3		628.9	π	0	0	1,482,019 235,165

SURVEY NOTES-HIGH RESOLUTION DATA

GEO 445

Geosource Inc.

DATE 10/25/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 136
AREA Georgia	TOPO MAP Carlton	STATE Georgia	COUNTY Madison	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			
									6342									
1625	220		125°47.8'	-1.3°	10.8	-		-10.8		623.4		-125	+181	1,481,894	235,346			
1626	440		"	-1.3°	11.2	-		-11.2		623.0		-249	+363	1,481,770	235,528			
1627	660		"	-1.3°	8.0	-		-8.0		626.2		-374	+544	1,481,645	235,709			
1628	880		"	-1.3°	4.0	-		-4.0		630.2		-498	+725	1,481,521	235,890			
X	1027		125°33'	-1.3°	1.4	-		-1.4		632.8		-578	+849	1,481,441	236,014			Trail (south)
1629	1100		125°47.8'	-1.3°	5.2	TH	+5.5	+0.3		634.5	TP	-623+1	+907	1,481,397	236,072			
1629	1100				6.2	89°40'	+6.4	+0.2			TP							
	878		289°46'-180°	-1.3°	+12.1	-		+12.1		646.6	BS	-278+2	+833					Curve
	878				+7.7	BH	+4.4	+12.1			BS							
1630	660		287°11'	-1.3°	8.7	-		-8.7		637.9		+181	-635	1,481,302	236,270			
1631	440		"	-1.3°	7.0	-		-7.0		639.6		+120	-423	1,481,241	236,482			
1632	220		"	-1.3°	6.8	-		-6.8		639.8		+60	-212	1,481,181	236,693			
1633	0		1		5.3	-		-5.3		641.3	X	0	0	1,481,121	236,905			
1634	220		107°58.2'	-1.3°	7.5	-		-7.5		639.1		-63	+211	1,481,058	237,116			
1635	440		107°58.2'	-1.3°	13.2	-		-13.2		633.4	TP	-126+2	+422	1,480,997	237,327			
1635	440				11.0	BH	-2.2	-13.2			TP							
	440		298°5.6'-180°	-1.3°	+11.0	-		+11.0		644.4	BS	-198+2	+393					
	440				+8.8	BH	+2.2	+11.0			BS							
1636	220		298°5.6'	-1.3°	10.7	-		-10.7		633.7		+99	-196	1,480,900	237,524			Horiz. corr. 4-87, x-0
X	105		305°21'	-1.3°	7.6	-		-7.6		636.8		+59	-87	1,480,860	237,633			4-Way Intersect. E.I. (scaled) 637

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-1445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10/25/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		/		137			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Cotton		Georgia		Madison								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
									644.4						
1637	0				5.3	-		-5.3		639.1	π	0	0	1,480,801	237,720
1638	220		120°50.7'	-1.3°	0.7	-		-0.7		643.7		-108	+191	1,480,693	237,911
1639	440		120°50.7'	-1.3°	4.7	TH	+2.2	-2.5		641.9	TP	-217	+383	1,480,584	238,103
1639	440				5.0	89°40'	+2.6	-2.4			TP				
	1320		300°48.8'-180°	-1.3°	+5.0	89°29'	-13.8	-8.8			BS	-650	+1149		
	1320				+14.1	89°-	-23.0	-8.9	633.0		BS				
1640	1100		300°48.8'	-1.3	2.7	TH	+5.5	+2.8		635.8		+542	-957	1,480,474	238,295
1641	880		"	-1.3°	3.0	-		-3.0		630.0		+434	-766	1,480,368	238,486
1642	660		"	-1.3°	4.8	-		-4.8		628.2		+325	-574	1,480,259	238,678
1643	440		"	-1.3°	6.2	-		-6.2		626.8		+217	-383	1,480,151	238,869
1644	220		"	-1.3°	6.2	-		-6.2		626.8		+108	-191	1,480,042	239,061
1645	0				5.3	-		-5.3		627.7	π	0	0	1,479,934	239,252
1646	220		130°16.2'	-1.3°	6.3	-		-6.3		626.7		-138	+171	1,479,796	239,423
1647	440		"	-1.3°	10.9	-		-10.9		622.1		-277	+342	1,479,657	239,594
1648	660		"	-1.3°	11.9	BH	-3.3	-15.2		617.8		-415	+513	1,479,519	239,765
1649	880		"	-1.3°	11.4	90°30'	-7.7	-19.1		613.9		-553	+684	1,479,381	239,936
1650	1100		"	-1.3°	13.7	90°30'	-9.6	-23.3		609.7		-692	+855	1,479,242	240,107
FF	1310		129°39'	-1.3°	11.5	90°40'	-15.2	-26.7		606.3		-813	+1027	1,479,121	240,279
1651	1320		130°16.2'	-1.3°	12.7	90°40'	-15.4	-28.1		604.9		-830	+1026	1,479,104	240,278
1652	1540		"	-1.3°	10.9	90°40'	-17.9	-28.8		604.2		-969	+1197	1,478,965	240,449

1,479,120 + 240,310
4-way E.I. 6.06

SURVEY NOTES-HIGH RESOLUTION DATA

GEO: 445

Geosource Inc.

DATE 10/26/78	INSTRUMENT MAN G. Colcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 138
AREA Georgia	TOPO MAP Carlton	STATE Georgia	COUNTY Madison	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
									633.0						
1653	1760		130°16.2'	-1.3°	7.9	90°40'	-20.5	-28.4		604.6		-1107	+1368	1,478,827	240,620
1654	1976		130°16.2'	-1.3°	13.6	90°20'	-11.5	-25.1			TP	-1243	+1536	1,478,691	240,788
1654	1976				7.9	90°30'	-17.3	-25.2		607.8	TP				
	664		314°34.4' -180°	-1.3°	+14.0	-		+14.0			BS	-455	+483		
	664				+10.6	BH	+3.3	+13.9	621.7		BS				
1655	440		314°34.4'	-1.3°	9.6	-		-9.6		612.1		+302	-320	1,478,538	240,951
1656	220		"	-1.3°	7.2	-		-7.2		614.5		+151	-160	1,478,327	241,111
1657	0				5.3	-		-5.3		616.4	X	0	0	1,478,236	241,271
1658	220		136°19'	-1.3°	4.9	-		-4.9		616.8		-156	+156	1,478,080	241,427
1659	440		"	-1.3°	6.9	-		-6.9		614.8		-311	+311	1,477,925	241,582
1660	660		132°43.8'	-1.3°	7.6	-		-7.6		614.1	TP	-437	+495	1,477,799	241,766
1660	660				4.3	BH	-3.3	-7.6			TP				
	874		293°6' -180°	-1.3°	+8.8	89°-	-15.3	-6.5	607.6		BS	-325	+811		curve
	874				+3.8	89°20'	-10.2	-6.4			BS				
1661	660		290°14'	-1.3°	6.2	89°-	+11.5	+5.3		612.9		+214	-624	1,477,688	241,953
1662	440		"	-1.3°	4.0	89°-	+7.7	+3.7		611.3		+143	-416	1,477,617	242,161
1663	220		"	-1.3°	0.3	TH	+1.1	+0.8		608.4		+71	-208	1,477,545	242,369
1664	0				5.3	-		-5.3		602.3	X	0	0	1,477,474	242,577
1665	220		110°17'	-1.3°	12.9	-		-12.9		594.7		-72	+208	1,477,402	242,785
±	360		107°45'	-1.3°	11.3	91°-	-6.3	-17.6		590.0		-102	+345	1,477,372	242,922

1,477,370 + 242,990 (Sec. Ind)
4-Way Intersect El. 589
RT# 72

SURVEY NOTES-HIGH RESOLUTION DATA

GEO:445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10/28/78		G. Cotcamp		R. Hulsey		6837		R. J. H.		1		139			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Carlton		Georgia		Madison								S. J. 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.		Y
									607.6						
1666	440		116° 17'	-1.3°	9.9	91° -	-7.7	-17.6		590.0		-143	+416	1477,331	242,993
1667	660		113° 17.5'	-1.3°	13.3	BH	-3.3	-16.6		591.0	TP	-247	+612	1477,227	243,189
1667	660				14.7	90° 10'	-1.9	-16.6			TP				
	660		303° 56.5' - 180°	-1.3°	+8.7	-		+8.7	599.7		BS	-356	+556		
	660				+12.0	TH	-3.3	+8.7			BS				
1668	440		303° 56.5'	-1.3°	4.0	-		-4.0		595.7		+237	-371	1477,108	243,374
1669	220		"	-1.3°	2.8	-		-2.8		596.9		+119	-185	1476,990	243,560
1670	170		306° 44'	-1.3°	2.9	-		-2.9		596.8		+99	-139	1476,970	243,606
1670	0				5.3	-		-5.3		594.4	TP	0	0	1476,871	243,745
1671	220		124° 23'	-1.3°	9.1	-		-9.1		590.6		-120	+184	1476,751	243,929
1672	440		"	-1.3°	12.3	-		-12.3		587.4		-240	+369	1476,631	244,114
1673	660		"	-1.3°	12.8	BH	-3.3	-16.1		583.6		-360	+553	1476,511	244,298
1674	880		"	-1.3°	11.1	90° 30'	-7.7	-18.8		580.9		-480	+737	1476,391	244,482
1675	1100		"	-1.3°	8.3	91° -	-19.2	-27.5		572.2		-600	+922	1476,271	244,667
1676	1320		"	-1.3°	10.3	91° 10'	-26.9	-37.2		562.5		-721	+1106	1476,150	244,851
1677	1540		"	-1.3°	11.0	91° 10'	-31.4	-42.4		557.3		-841	+1290	1476,030	245,035
1678	1760		"	-1.3°	6.9	91° 10'	-35.8	-42.7		557.0		-961	+1475	1475,910	245,220
1679	1980		"	-1.3°	11.8	91° -	-34.6	-46.4		553.3		-1081	+1659	1475,790	245,404
1680	2200		"	-1.3°	14.6	90° 58'	-37.1	-51.7		548.0	TP	-1201	+1843	1475,670	245,588
1680	2200		124° 23'		13.1	91° -	-38.4	-51.5			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
10/26/78		G. Co. Camp		R. Hulsey		6837		R. J. H.		1	140			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
Georgia		Carlton/Elberton West		Georgia		Madison					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.	
1680										548.0				
	1320		303°40'-180°	-1.3°	+3.8	89°30'	-11.5	-7.7	540.3		BS	-707	+1115	
	1320				+1.5	89°36'	-9.2	-7.7			BS			
1681	1190		303°59'	-1.3°	5.0	89°30'	+10.4	+5.4		545.7		+643	-1002	1475,606 245,701 Trail E1. 542*
1681	1100		303°40'	-1.3°	1.9	TH	+5.5	+3.6		543.9		+589	-929	1475,552 245,774 *rechecked elevation on
1682	880		302°44'	-1.3°	3.3	TH	+4.4	+1.1		541.4		+459	-751	1475,422 245,952 loop traverse page 191
1683	660		"	-1.3°	1.1	-		-1.1		539.2		+344	-563	1475,307 246,140
1684	475		302°57'	-1.3°	2.8	-		-2.8		537.5		+249	-404	1475,212 246,299 overpass railroad bridge
1684	440		300°12'	-1.3°	2.8	-		-2.8		537.5		+213	-385	1475,176 246,318
1685	220		"	-1.3°	5.6	-		-5.6		534.7		+106	-193	1475,069 246,510
1686	0				5.3	-		-5.3		535.0	TP	0	0	1474,963 246,703
1687	220		101°38.3'	-1.3°	5.3	-		-5.3		535.0		-39	+216	1474,924 246,919
1688	440				4.									
1688	430		101°10'	-1.3°	4.4	-		-4.4		535.9		-74	+424	1474,889 247,127 Trail (northeast)
1688	440		101°38.3'	-1.3°	4.3	-		-4.3		536.0		-79	+433	1474,884 247,136
1689	660		"	-1.3°	6.3	-		-6.3		534.0		-118	+649	1474,845 247,352
1690	880		"	-1.3°	13.2	-		-13.2		527.1		-158	+866	1474,805 247,569 Carlton Quad.
1691	1100		101°38.3'	-1.3°	13.0	OH	-5.5	-18.5		521.8	TP	-197	+1082	1474,766 247,785 Elberton West Quad.
1691	1100				14.0	90°14'	-4.5	-18.5			TP			
	440		272°22'-180°	-1.3°	+2.6	89°	-7.7	-5.1	516.7		BS	-8	+440	
	440				+1.3	89°10'	-6.4	-5.1			BS			

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE 11/11/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 142
AREA Georgia	TOPO MAP Elevation West	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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
										R El. 540				1,467,830	253,580	R El. 540
	675		35°15.3' +180°	-1.1°	+33	89°	-11.8	-8.5			BS	-559	-379			Trail
	675				+7.3	88°40'	-15.7	-8.4	531.6		BS					
TP	583		228°48.5'	-1.1°	12.2	92°	-20.3	-32.5		499.1	TP	-392	-431	1,466,879	252,770	
TP	583				14.6	91°46'	-18.0	-32.6			TP					
	1590		63°16' +180°	-1.1°	+148	91°02'	+28.7	+43.5			BS	-742	-1406			
	1590				+11.3	91°10'	+32.4	+43.7	542.8		BS					
1734	220		21°34'	-1.10	4.3	-		-4.3		538.5		+206	+77	1,466,343	251,441	
1735	0				5.3	-		-5.3		537.5	X	0	0	1,466,137	251,364	
1736	65		182°39'	-1.10	2.8	-		-2.8		540.0		-65	-2	1,466,072	251,362	1,466,075 + 251,360 (scaled) Y-intersect.
1736	220		201°31'	-1.1°	1.3	89°	+3.8	+2.5		545.3		-206	-77	1,465,931	251,287	
1737	440		" "	-1.10	1.7	89°	+7.7	+6.0		548.8		-412	-153	1,465,725	251,211	
1738	660		201°31'	-1.1°	6.0	88°30'	+17.3	+11.3		554.1	TP	-619	-230	1,465,518	251,134	
1738	660				4.1	88°40'	+15.4	+11.3			TP					
	440		33°48.3' +180°	-1.1°	+2.2	89°	-7.7	-5.5	548.6		BS	-370	-238			
	440				+0.9	89°10'	-6.4	-5.5			BS					
1739	220		33°48.3'	-1.1°	1.0	-		-1.0		547.6		+185	+119	1,465,333	251,015	
1740	0				5.3	-		-5.3		543.3	X	0	0	1,465,148	250,896	last station on road
1741	216		196°22'	-1.1°	5.2	-		-5.2		543.4		-208	-57	1,464,940	250,839	geophone stations only
1742	426		185°39'	-1.1°	4.2	89°	+7.4	+3.2			TP	-425	-34	1,464,723	250,862	✓
1742	426				1.7	89°20'	+5.0	+3.3		551.9	TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
11/11/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1	144					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER				
Georgia		Elberton West		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 +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
1753										481.4						
	660		308° 0.7' - 180°	-1.1°	+9.5	92° -	+23.0	+32.5	513.9		BS	-396	+528			
	660				+14.5	91° 34'	+18.0	+32.5			BS					
1754	440		308° 0.7'	-1.1°	9.2	92° -	-15.3	-24.5		489.4		+264	-352	1462,933	252,557	
1755	220			-1.1°	12.3	-		-12.3		501.6		+132	-176	1,462,801	252,733	
1756	0				5.3	-		-5.3		508.6	π	0	0	1,462,669	252,909	
1757	220		124° 42'	-1.1°	4.8	88° -	+7.7	+2.9		516.8		-122	+183	1,462,547	253,092	
1758	440			-1.1°	3.7	87° 30'	+19.2	+15.5		529.4		-243	+366	1,462,426	253,275	
1759	660	659	122° 21.2'	-1.1°	6.5	87° 30'	+28.8	+22.3		536.2	TP	-342	+563	1,462,327	253,472	T.P. opposite station
1759	660				10.3	87° 10'	+32.6	+22.3			TP					
	225		340° 10.8' - 180°	-1.1°	+14.6	-		+14.6	550.8		BS	-210	+80			
	225				+13.5	0H	+1.1	+14.6			BS					
1760	0				5.3	-		-5.3		545.5	π	0	0	1,462,117	253,552	
1761	220		150° -	-1.1°	5.7	-		-5.7		545.1		-188	+114	1,461,929	253,666	
1762	440		145° 26.7'	-1.1°	0.5	-		-0.5		550.3	TP	-357	+256	1,461,760	253,808	
1762	440				2.7	TH	+2.2	-0.5			TP					
	219		311° 3' - 180°	-1.1°	+12.8	-		+12.8	563.1		BS	-141	+168			
	219				+11.7	0H	+1.1	+12.8			BS					
1763	0				5.3	-		-5.3		557.8	π	0	0	1,461,619	253,976	
1764	220		119° 21.5'	-1.1°	2A	88° -	+7.7	+5.3		568.4	TP	-87	+202.2	1,461,532	254,176	
1764	220				1.1	88° 20'	+6.4	+5.3			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 11/11/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 145
AREA Georgia	TOPO MAP Elberton West	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			
1764										568.4								
	220		301° 38' - 180°	-1.1°	+8.6	-		+8.6	577.0		BS	-110	+190-2					
	220				+7.5	BH	+1.1	+8.6		BS								
1765	0				5.3	-		-5.3	571.7		X	0	0	1,461,422	254,364		Trail (north)	
1766	220		154° -		7.1	-		-7.1	569.9			-196	+106	1,461,226	254,964			
1767	440		154° -	-1.1°	8.3	-		-8.3	568.7		TP	-392	+200-2	1,461,030	254,562			
1767	440				10.5	TH	+2.2	-8.3			TP							
	660		326° 53.9' - 180°	-1.1°	+7.1	-		+7.1	575.8		BS	-546	+371-2					
	660				+10.4	TH	-3.3	+7.1		BS								
1768	440		326° 328° 53.9'	-1.1°	4.8	-		-4.8	571.0			+364	-247	1,460,848	254,684		1,460,835 + 254,700 (scaled)	
$\frac{1}{2}$	425		328° 11'	-1.1°	4.8	-		-4.8	571.0			+357	-231	1,460,841	254,700		4-way E. 1. 573	
1769	220		326° 53.9	-1.1°	3.0	-		-3.0	572.8			+182	-124	1,460,666	254,807			
1770	0				5.3	-		-5.3	570.5		X	0	0	1,460,484	254,931			
1771	220		140° 6'	-1.1°	11.0	-		-11.0	564.8			-166	+144	1,460,318	255,075			
1772	440			-1.1°	8.7	91° -	-7.7	-16.4	559.4			-332	+289	1,460,152	255,220			
1773	660		138° 50'	-1.1°	10.9	91° -	-11.5	-22.4	553.4			-488	+444	1,459,996	255,375			
1774	880		137° -	-1.1°	11.9	91° -	-15.4	-27.3	548.5		TP	-632	+612-2	1,459,852	255,541			
1774	880				14.5	90° 50'	-12.8	-27.3			TP							
	880		313° 57.5' - 180°	-1.1°	+3.4	TH	-4.4	-1.0	547.5		BS	-598	+645-2					
	880				+6.6	89° 30'	-7.7	-1.1		BS								
1775	660		313° 57.5'	-1.1°	2.6	-		-2.6	544.9			+449	-484	1,459,703	255,700			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11/11/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		146				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Elberton West		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
									547.5							
1776	440		313°57.5'	-1.1°	5.5	-		-5.5		542.0		+299	-323	1,459,553	255,861	
1777	220		" "	-1.1°	6.3	-		-6.3		541.2		+150	-161	1,459,404	256,023	
1778	18		324°40'	-1.1°	5.0	-		-5.0		542.5		+14	-11	1,459,268	256,173	T-rd E1. 544
1778	0				5.3	-		-5.3		542.2	X	0	0	1,459,254	256,184	
1779	220		142°15.6'	-1.1°	12.9	91°	-3.8	-16.7		530.8		-171	+138	1,459,083	256,322	
1780	440		" "	-1.1°	11.0	91°30'	-11.5	-22.5		525.0		-343	+276	1,458,911	256,460	
1781	660		142°15.6'	-1.1°	11.3	91°30'	-17.3	-28.6		518.9	TP	-514	+414-2	1,458,740	256,596	
1781	660				14.4	91°4'	-14.2	-28.6			TP					
	880	879	329°53'-180°	-1.1°	+2.0	87°34'	-37.3	-35.3	483.6		BS	-745	+466-2			
	880				+3.0	87°30'	-38.4	-35.4			BS					
1782	660		329°53'	-1.1°	4.6	87°30'	+28.8	+24.2		507.8		+560	-350	1,458,555	256,710	
1783	440		" "	-1.1°	4.8	88°	+15.3	+10.5		494.1		+373	-233	1,458,388	256,827	
1784	220		" "	-1.1°	2.9	-		-2.9		480.7		+187	-117	1,458,182	256,943	
1785	104		334°29'	-1.1°	5.1	-		-5.1		478.5		+93	-47	1,458,088	257,013	bridge
1785	0				5.3	-		-5.3		478.3	X	0	0	1,457,995	257,060	
1786	220		196°22.2'	-1.1°	3.3	88°	+7.7	+4.4		488.0		-212	-58	1,457,783	257,002	
1787	438	437	196°22.2'	-1.1°	3.4	87°	+22.9	+19.5			TP	-421	-115-2	1,457,574	256,943	S-curve
1787	438				0.8	87°20'	+20.4	+19.6		503.2	TP					
	213		348°51.6'-180°	-1.1°	+14.7	91°	+3.7	+18.4	521.6		BS	-208	+45		curve	
	213				+13.4	91°20'	+5.0	+18.4			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 11/11/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 147
AREA Georgia	TOPO MAP Elberton West	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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									521.6							
1788	0				5.3	-		-5.3		516.3	π	0	0	1,457,366	256,988	
1789	218		122°11'	-1.1°	5.9	87°-	+11.4	+5.5		527.1	TP	-112	+187	1,457,254	257,175	
1789	218				2.1	88°-	+7.6	+5.5			TP					
	223		330°16.2'-180°	-1.1°	+14.1	81H	+1.1	+15.2	542.3		BS	-191	+114			
	223				+14.6	90°10'	+0.6	+15.2			BS					
1790	0				5.3	-		-5.3		537.0	π	0	0	1,457,063	257,289	
1791	220		157°41.6'	-1.1°	5.2	88°-	+7.7	+2.5		544.8		-202	+87	1,456,821	257,376	
	355		157°41.6'	-1.1°	6.6	88°-	+12.4	+5.8		548.1	TP	-326	+141	1,456,737	257,430	T-rd El. 549
	355				2.5	88°40'	+8.3	+5.8			TP					line jogs east
	305		270°58'-180°	-1.1°	+8.8	-		+8.8	556.9		BS	+1	+305			
	305				+7.3	81H	+1.5	+8.8			BS					
1792	220		270°58'	-1.1°	8.4	-		-8.4		548.5		-1	-220	1,456,737	257,515	
1793	0				5.3	-		-5.3		551.6	π	0	0	1,456,738	257,735	
1794	218		107°57'	-1.1°	4.3	88°-	+7.6	+3.3		560.2		-63	+209	1,456,675	257,944	
1795	438		106°56'	-1.1°	8.1	88°-	+15.3	+7.2		564.1	TP	-119	+421	1,456,619	258,156	curve
1795	438				4.8	88°26'	+12.0	+7.2			TP					
	222		272°51.6'-180°	-1.1°	+0.7	89°-	-3.9	-3.2	560.9		BS	-7	+222			
	222				+2.0	88°40'	-5.2	-3.2			BS					
1796	0				5.3	-		-5.3		555.6	π	0	0	1,456,612	258,378	
	14		50°52'	-1.1°	4.7	-		-4.7		556.2		+9	+11	1,456,621	258,389	horizontal correct y=0 x=-18 1,456,620+258,390 (curved) Y-axis Intersect. El. 557

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11/11/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		148				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Elberton West/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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									560.9							
1797	220		133°41'	-1.1	13.5	-		-13.5		547.4	TP	-149	+162	1,456,463	258,540	
1797	220				14.6	TH	+1.1	-13.5			TP					
	220		322°53'-180°	-1.1°	+3.9	89°-	-3.8	+0.1	547.5		BS	-173	+136			
	220				+1.1	TH	-1.1	+0.0			BS					
1798	0				5.3	-		-5.3		542.2	π	0	0	1,456,290	258,676	↑
1799	220		162°44.7'	-1.1°	8.2	-		-8.2		539.3	TP	-209	+69	1,456,081	258,745	Elberton West
1799	220				9.3	TH	+1.1	-8.2			TP					
	660		352°51.7'-180°	-1.1°	+5.4	-		+5.4	544.7		BS	-653	+95			
	660				+8.7	TH	-3.3	+5.4			BS					
1800	440		352°51.7'	-1.1°	6.1	-		-6.1		538.6		+435	-63	1,455,863	258,777	Vesta Quad.
1801	220															↓
IF	428		353°25'	-1.1°	6.4	-		-6.4		538.3		+424	-57	1,455,852	258,783	trail (east)
1801	220		351°5'	-1.1°	6.4	-		-6.4		538.3		+217	-38	1,455,645	258,802	
1801	59		340°5'	-1.1°	5.6	-		-5.6		539.1		+55	-21	1,455,483	258,819	V. intersect. El. 540
1802	0				5.3	-		-5.3		539.4	π	0	0	1,455,428	258,840	
1803	203		100°27.1'	-1.1°	5.3	-		-5.3		539.4	TP	-33	+200	1,455,395	259,040	curve
1803	203				6.3	TH	+1.0	-5.3			TP					
	215		363°55'-180°	-0.9°	+4.0	89°-	-3.8	+0.2	539.6		BS	-117	+180-2			curve
	215				+5.1	88°42'	-4.9	+0.2			BS					
1804	0				5.3	-		-5.3		534.3	π	0	0	1,455,278	259,218	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
11/13/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1	149			
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.	
									539.6					
1805	220		134° -	-0.9°	9.8	-		-9.8		529.8		-150	+161	1,455,128 259,379
1806	441		136° 12'	-0.9°	10.1	91°	-7.7	-17.8		521.8	TP	-313	+310-2	1,454,965 259,526
1806	441				11.9	90° 46'	-5.9	-17.8			TP			
	220		343° 31' -180°	-0.9°	+4.3	87°	-11.5	-7.2	514.6		BS	-210	+66-2	
	220				+0.5	88°	-7.7	-7.2			BS			
1807	0				5.3	-		-5.3		509.3	TP	0	0	1,454,755 259,570
1808	220		138° 37'	-0.9°	13.0	-		-13.0		501.6	TP	-163	+148-2	1,454,592 259,736
1808	220				14.1	TH	+1.1	-13.0			TP			
	215		289° 15' -180°	-0.9°	+0.9	-		+0.9	502.5		BS	-50	+209-2	curve
	215				+2.0	TH	-1.1	+0.9			BS			
1809	0				5.3	-		-5.3		497.2	TP	0	0	1,454,542 259,943
1810	220		108° 41.2'	-0.9°	13.3	BH	-1.1	-14.4		488.1		-67	+209	1,454,475 260,152
1811	440		108° 41.2	-0.9°	14.3	91° 30'	-11.5	-25.8			TP	-134	+419-2	1,454,408 260,360
1811	440				10.4	92°	-15.3	-25.7		476.8	TP			
	220		305° 5.6' -180°	-0.9°	+14.8	85° 14'	-18.2	-3.4	473.4		BS	-124	+182-2	
	220				+13.0	85° 42'	-16.4	-3.4			BS			
1812	0				5.3	-		-5.3		468.1	TP	0	0	1,454,284 260,540 set up opposite sta.
1813	229		158° 17.3'	-0.9°	14.7	-		-14.7	458.7		TP	-211	+88-2	1,454,073 260,626
1813	229				13.6	BH	-1.1	-14.7			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE					
11/13/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		151					
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	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS	
														Y	X		
									476.2								
1824	216		117°53'	-0.9°	1.4	89°	+3.8	+2.4		478.6	TP	-98	+192-2	1,452,385	261,479	curve	
1824	216				5.1	88°-	+7.5	+2.4			TP						
	443		290°8'-180°	-0.9°	+14.9	-		+14.9	493.5		BS	-146	+418-2				
	443				+7.2	91°	+7.7	+14.9			BS						
1825	220		290°8'	-0.9°	7.3	-		-7.3		486.2		+72	-208	1,452,311	261,687		
1826	0				5.3	-		-5.3		488.2	TP	0	0	1,452,239	261,895		
1827	220		136°6'	-0.9	3.3	-		-3.3		490.2		-156	+155	1,452,083	262,050		
1828	440		" "	-0.9°	1.6	TH	+2.2	+0.6		494.1		-312	+310	1,451,927	262,205		
1829	660		136°6'	-0.9°	4.8	88°46'	+14.2	+9.4		502.9	TP	-468	+465-2	1,451,771	262,358		
1829	660				3.3	88°54'	+12.7	+9.4			TP						
	442	441	320°10.2'-180°	-0.9°	+11.3	93°-	+23.1	+34.4	537.3		BS	-334	+288-2				
	442				+14.9	92°32'	+19.5	+34.4			BS						
1830	220		320°10.2'	-0.9°	10.9	92°-	-7.7	-18.6		518.7		+167	-144	1,451,604	262,500		
1831	0				5.3	-		-5.3		532.0	TP	0	0	1,451,437	262,644		
1832	220		154°34.5'	-0.9°	5.6	89°-	+3.8	-1.8		535.5		-197	+98	1,451,240	262,742		
1833	440		" "	-0.9°	5.5	89°-	+7.7	+2.2		539.5		-394	+195	1,451,043	262,839		
1833	580		154°13'	-0.9°	4.8	87°	+10.1	+5.3		542.6		-518	+260	1,450,919	262,904	Y-intersect (west)	
1834	660		154°34.5'	-0.9°	4.4	89°-	+11.5	+7.1		544.4		-592	+293	1,450,845	262,937		
1835	880		" "	-0.9°	2.0	89°-	+15.4	+13.4		550.7		-789	+390	1,450,648	263,034		
1836	1100		" "	-0.9°	5.9	88°30'	+28.8	+22.9		560.2		-986	+488	1,450,451	263,132		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/13/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 152
AREA Georgia	TOPO MAP Vesta	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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS	
														Y	X		
									537.3								
1837	1320		154°34.5'	-0.9°	3.9	88°30'	+34.5	+30.6		567.9		-1183	+585	1,450,254	263,229		
1838	1540	1539	154°34.5'	-0.9°	2.9	88°30'	+40.3	+37.4			TP	-1379	+682-2	1,450,058	263,324		
1838	1540				10	88°30'	+38.5	+37.5		574.8	TP						
	220		333°43'-180°	-0.9°	+5.0	-		+5.0		579.8	BS	-196	+100-2				
	220				+6.1	TH	-1.1	+5.0			BS						
	53		327°15'	-0.9°	4.6	-		-4.6		575.2		+44	-29	1,449,906	263,393	Y-intersect. (South)	
1839	0				5.3	-		-5.3		574.5	π	0	0	1,449,812	263,422	1,449,850 + 263,550 (scaled)	
BM	130		98°52'	-0.9°	5.2	-		-5.2		574.6	BM	-18	+129	1,449,844	263,551	BM E.I. 575	
1840	206		101°26'	-0.7°	3.1	92°-	-7.2	-10.3			TP	-38-2	+202-2	1,449,822	263,622		
1840	206				11.2	TH	+1.0	-10.2		569.6	TP						
	440		257°42.7'-180°	-0.7°	+7.7	-		+7.7		577.3	BS	+99-3	+429-2				
	440				+9.9	TH	-2.2	+7.7			BS						
1841	220		257°42.7'	-0.7°	6.1	-		-6.1		571.2		-49	-214	1,449,869	263,835		
1842	0				5.3	-		-5.3		572.0	π	0	0	1,449,918	264,049		
1843	220		78°15.2'	-0.7°	13.4	-		-13.4		563.9		+47	+215	1,449,965	264,264		
1844	440		78°15.2'	-0.7°	11.9	-		-11.9		565.4	TP	+95-2	+430-3	1,450,011	264,476		
1844	440				9.7	BH	-2.2	-11.9			TP						
	880		249°21.3'-180°	-0.7°	+12.5	BH	+4.4	+16.9		582.3	BS	+3263	+817-2				
	880				+10.3	90°0'	+2.6	+12.9			BS						Misreading
1845	660		249°21.3'	-0.7°	13.5	BH	-3.3	-16.8		565.5		-240	-615	1,450,094	264,676		

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE 10/13/78	INSTRUMENT MAN G. Cotsenp	ROD MAN R. H. Gray	PARTY NUMBER 6234	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 153
AREA Georgia	TOPO MAP Vesta	STATE Georgia	COUNTY Dahlonega	TWP	RANGE	PPM
					PARTY MANAGER L. O. 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.	
									582.3					
1846	440		249° 21.3'	-0.7°	13.1	84	-2.2	-15.3		567.0		-160	-410	1,450,174 264,881
1847	220		" "	-0.7°	11.1	-		-11.1		571.2		-80	-205	1,450,254 265,086
1848	0				5.3	-		-5.3		577.0	X	0	0	1,450,334 265,291
1849	220		70° 16.8'	-0.7°	10.9	-		-10.9		571.4		+77	+206	1,450,411 265,497
1850	440		" "	-0.7°	12.4	91°-	-7.7	-20.1		562.2		+154	+412	1,450,488 265,703
1851	660		" "	-0.7°	7.1	92°-	-23.0	-30.1		552.2		+230	+619	1,450,564 265,910
1852	880	879	" "	-0.7°	8.2	92°-	-30.7	-38.9		543.4		+307	+824	1,450,641 266,115
1853	1100	1099	" "	-0.7°	4.7	92°-	-38.4	-43.1		539.2		+383	+1030	1,450,717 266,321
1854	1320	1319	" "	-0.7°	8.1	91°40'	-38.4	-46.5		535.8		+460	+1236	1,450,794 266,527
1855	1540	1539	70° 16.8'	-0.5°	1.2	91°40'	-44.8	-46.0		536.3	TP	+532-2	+1444-3	1,450,869 266,732
1855	1540				2.1	91°38'	-43.9	-46.0			TP			
	438		238° 39.6' -180°	-0.5°	4.5	91°-	+7.6	+12.1		548.4	BS	+232-3	+372-2	curve
	438				5.0	90°56'	+7.1	+12.1			BS			
1856	220		230° 29'	-0.5°	8.5	-		-8.5		539.9		-141	-168	1,450,952 266,934
1857	0				5.3	-		-5.3		543.1	X	0	0	1,451,093 267,102
1858	220		39° 6.8'	-0.5°	6.0	88°-	+7.7	+1.7		550.1		+172	+137	1,451,265 267,239
1859	440		" "	-0.5°	4.6	88°-	+15.3	+10.7		559.1		+344	+275	1,451,437 267,377
1860	660		" "	-0.5°	9.5	88°-	+23.0	+13.5		561.9		+516	+412	1,451,609 267,514
1861	880	879	39° 6.8'	-0.5°	5.6	88°20'	+25.6	+20.0		568.4	TP	+687-2	+548-3	1,451,778 267,647
1861	880				10.7	88°-	+30.7	+20.0			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE 11/13/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 154
AREA Georgia	TOPO MAP Vesta	STATE Georgia	COUNTY Oglethorpe	RANGE TWP	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			
1861										568.4								
	222		229°53.3' - 180°	-0.5°	+4.1	88°	-7.7	-3.6	564.8		BS	+144-3	+168-2					
	222				+2.1	88°30'	-5.8	-3.7			BS							
1862	0				5.4	-		-5.4	559.4		X	0	0	1451919	267813			
1863	220		77°55'	-0.5°	13.2	-		-13.2	551.6			+48	+215	1451967	268028			
X	363		77°25'	-0.5°	14.8	84	-1.8	-16.6	548.2			+82	+354	1452001	268167			Chiseled \square El. 549
	380		81°3'	-0.5°	13.3	84	-1.9	-15.2	549.6			+62	+375	1451981	268188			1451970 + 268180 = 549 T-rod (north)
1864	436		83°50.6'	-0.5°	13.9	84	-2.2	-16.1	548.7		TP	+50-2	+433-3	1451967	268243			
1864	436				14.8	90°10'	-1.3	-16.1			TP							
	440		273°30' - 180°	-0.5°	+11.9	91°	+7.7	+19.6	568.3		BS	-23-3	+439-2					
	440				+14.5	90°40'	+5.1	+19.6			BS							
1865	220		273°30'	-0.5°	11.9	91°	-3.8	-15.7	552.6			+12	-220	1451953	268460			
1866	0				5.3	-		-5.3	563.0		X	0	0	1451941	268680			
1867	220		91°7'	-0.5°	5.5	-		-5.5	562.8			-2	+220	1451939	268900			
1868	437		84°24.6'	-0.5°	14.7	90°20'	-2.5	-17.2	551.1		TP	+46-3	+434-3	1451984	269111			
1868	437				12.2	90°40'	-5.1	-17.3			TP							
	1760		251°14' - 180°	-0.5°	+14.1	84	+8.8	+22.9	574.0		BS	+581-2	+1661-2					
	1760				+14.7	90°16'	+8.2	+22.9			BS							
1869	1540		251°14'	-0.5°	3.1	91°	-26.9	-30.0	544.0			-508	-1454	1452055	269316			
1870	1320		'	-0.5°	10.2	91°	-23.0	-33.2	540.8			-436	-1246	1452127	269524			
1871	1100		'	-0.5°	13.1	91°	-19.2	-32.3	541.7			-363	-1038	1452200	269732			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/14/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 155
AREA Georgia	TOPO MAP Vecta	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			
									574.0									
1872	880		251°14'	-05°	13.4	91°	-15.4	-28.8		545.2		-290	-831	1,452,273	269,939			
1872	680		252°-	-05°	13.4	91°	-11.9	-25.3		548.7		-216	-645	1,452,347	270,125			Trail (south)
1873	660		251°14'	-05°	13.4	91°	-11.5	-24.9		549.1		-218	-623	1,452,345	270,147			
1874	440		"	-05°	11.3	91°	-7.7	-19.0		555.0		-145	-415	452,418	270,355			
1875	220		"	-05°	9.3	-		-9.3		564.7		-73	-208	1,452,490	270,562			
1876	0				5.3	-		-5.3		568.7	TP	0	0	1,452,563	270,770			
1877	220		79°38'	-05°	12.0	-		-12.0		562.0		+41	+216	1,452,604	270,986			
1878	440		"	-05°	8.8	91°	-7.7	-16.5		557.5		+83	+432	1,452,646	271,202			
1879	660		"	-05°	8.1	91°	-11.5	-19.6		554.4		+124	+648	1,452,687	271,418			
1880	880		"	-05°	5.7	91°	-15.4	-21.1		552.9		+166	+864	1,452,729	271,634			
1881	1100		"	-05°	4.6	91°	-19.2	-23.8		550.2		+207	+1080	1,452,770	271,850			
1882	1320		78°48'	-05°	3.1	91°	-23.0	-26.1		547.9		+268	+1293	1,452,831	272,063			
1883	1540		78°33.5'	-05°	8.7	90°40'	-17.9	-26.6		547.4	TP	+319-2	+1507-2	1,452,880	272,275			
1883	1540				4.3	90°50'	-22.4	-26.7			TP							
	438		279°43'-180°	-05°	+12.3	-		+12.3	559.7		BS	-65	+433-2					curve
	438				+14.5	TH	-2.2	+12.3			BS							
1884	220		283°55'	-05°	8.7	-		-8.7		551.0		+51	-214	1,452,866	272,492			
1885	0				5.3	-		-5.3		554.4	TP	0	0	1,452,815	272,706			
1885	28		96°26'	-05°	4.5	-		-4.5		555.2		-3	+28	1,452,812	272,734			Trail (north) El. 556
1886	220		115°4'	-05°	0.3	-		-0.3		559.4		-91	+200	1,452,724	272,906			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11/14/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		156				
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 -	EAST + WEST -		Y	X
									559.7							
1887	444		115°32'	-05°	120	88°	+15.5	+3.5		563.2	TP	-188	+402.2	1,452,627	273,106	T. Opposite station
1887	444				69	88°40'	+10.3	+3.4			TP					
	440		313°16' -180°	-05°	110.8	-		+10.8		574.0	BS	-297	+324			
	440				86	BH	+2.2	+10.8			BS					
	280		311°21'	-05°	78	-		-7.8		566.2		+183	-212	1,452,513	273,218	Trail (south)
1888	220		310°20'	-05°	7.1	-		-7.1		566.9		+141	-169	1,452,471	273,261	
1889	0				5.3	-		-5.3		568.7	π	0	0	1,452,330	273,430	
1890	220		97°55'	-05°	13.7	-		-13.7		560.3		-28	+218	1,452,302	273,648	
1891	430		89°16.5'	-05°	144	90°46'	-5.8	-20.2		553.8	TP	+9	+430	1,452,339	273,860	curve
1891	430				129	90°56'	-7.3	-20.2			TP					
	660		248°23.6' -180°	-03°	+75	89°	-11.5	-4.0		549.8	BS	+246	+612			
	660				+1.8	89°30'	-5.8	-4.0			BS					
1892	440		248°23.6'	-03°	0.9	-		-0.9		548.9		-164	-408	1,452,421	274,064	
1893	220			-03°	4.9	-		-4.9		544.9		-82	-204	1,452,503	274,268	
1894	0				5.3	-		-5.3		544.5	π	0	0	1,452,585	274,472	
1895	220															
	213		80°15'	-03°	3.5	-		-3.5		546.3		+37	+210	1,452,622	274,682	Trail (south)
1895	220			-03°	3.4	-		-3.4		546.4		+38	+217	1,452,623	274,689	
1896	440		85°27'	-03°	3.8	TH	+2.2	-1.6		548.2	TP	+37	+438	1,452,622	274,910	
1896	440				5.5	89°30'	+3.8	-1.7			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
11/14/78		G. Cotcamp		R. Hulsey		5834		R. J. H.		1		157							
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	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
1896										548.2									
	660		276°35'-180°	-03°	+12.5	-		+12.5	560.7		BS	-72	+656						
	660				+9.2	84	+3.3	+12.5			BS								
1897	440		276°35'	-03°	8.8	-		-8.8		551.9		+48	-437	1,452,598	275,129				
1898	220		"	-03°	5.8	-		-5.8		554.9		+24	-219	1,452,574	275,347				
1899	0				5.3	-		-5.3		555.4	π	0	0	1,452,550	275,566				
1900	220		108°28'	-03°	8.1	-		-8.1		552.6		-69	+209	1,452,481	275,775				
1901	440		"	-03°	10.1	-		-10.1		550.6		-137	+418	1,452,413	275,984				
1902	660																		
<u>1902</u>	600		108°9'	-03°	9.5	-		-9.5		551.2		-184	+571	1,452,366	276,137			Trail (north)	
1902	660		109°44'	-03°	9.4	-		-9.4		551.3		-220	+622	1,452,330	276,188				
1903	880		"	-03°	7.3	-		-7.3		553.4		-293	+830	1,452,257	276,396				
1904	1100		"	-03°	4.4	-		-4.4		556.3		-366	+1037	1,452,184	276,603				
1904																			
<u>1905</u>	1188		109°41'	-03°	3.0	-		-3.0		557.7		-394	+1121	1,452,156	276,687			Trail (north)	
1905	1320		109°52'	-03°	2.1	-		-2.1		558.6	TP	-442	+1244	1,452,108	276,810				
1905	1320				5.3	89°52'	+3.1	-2.2			TP								
	440		289°18'-180°	-03°	+0.9	-		+0.9	559.5		BS	-143	+416						
	440				+3.1	TH	-2.2	+0.9			E.								
1906	220		289°18'	-03°	3.7	-		-3.7		555.8		+72	-208	1,452,037	277,018				
1907	0				5.3	-		-5.3		554.2	π	0	0	1,451,965	277,226				

SURV. NOTES-HIGH RESOLUTION DATA

GEO-443

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11/14/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		158				
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	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									559.5					1,451,965	277,226	
1908	220		91°18'	-03°	6.9	-		-6.9		552.6		-4	+220	1,451,961	277,446	
1909	440		" "	-0.3°	8.9	91°-	-7.7	-16.6		542.9		-8	+440	1,451,957	277,666	
1910	658		88°36'	-0.3°	11.2	91°-	-11.5	-22.7			TP	+19	+658	1,451,984	277,884	
1910	658				9.2	91°10'	-13.4	-22.6		536.9	TP					
	442		276°7'-180°	-0.3°	+3.9	89°-	-7.7	-3.8	533.1		BS	-45	+440			
	442				+1.3	89°20'	-5.1	-3.8			BS					
1911	220		276°7'	-0.3°	2.1	-		-2.1		531.0		+22	-219	1,451,961	278,165	
1912	0				5.3	-		-5.3		527.8	π	0	0	1,451,939	278,324	
1913	220		110°27'	-0.3°	6.2	-		-6.2		526.9		-76	+206	1,451,863	278,530	
1914	440		113°2.5'	-0.3°	6.1	-		-6.1		527.0	TP	+70	+406	1,451,769	278,730	
1914	440				8.3	TH	+2.2	-6.1			TP					
	880		301°46.6'-180°	-0.3°	+11.2	88°36'	-16.4	-5.2	521.8		BS	-459	+750			
	880				+11.7	88°54'	-16.9	-5.2			BS					
1915	660		301°46.6'	-0.3°	7.0	89°-	+11.5	+4.5		526.3		+345	-563	1,451,655	278,917	
1916	440		" "	-0.3°	2.0	TH	+2.2	+0.2		522.0		+230	-375	1,451,540	279,105	
<u>11</u>	404		304°36'	-0.3°	0.4	-		-0.4		521.4		+228	-334	1,451,538	279,146	Trd (north)
1917	220		301°46.6'	-0.3°	2.9	-		-2.9		518.9		+115	-188	1,451,425	279,292	
1918	0				5.3	-		-5.3		516.5	π	0	0	1,451,310	279,480	
1919	220		144°55'	-0.3°	6.7	-		-6.7		515.1		-178	+130	1,451,132	279,610	
1920	440		" "	-0.3°	9.5	-		-9.5		512.3		-355	+260	1,450,955	279,740	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11/14/78		F. Co ⁺ comp		R. H. Husey		6834		R. J. H.		1		159				
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.		Y	X
									521.8							
1921	660		144°55'	-0.3°	13.7	BH	-3.3	-17.0		504.8		-533	+390	1,450,777	279,870	
TP	708		143°56'	-0.3°	13.7	BH	-3.5	-17.2		504.6		-570	+420	1,450,740	279,900	4-Way Intersect.
1922	880		144°55'	-0.1°	13.7	-		-13.7		508.1	TP	-712	+517	1,450,598	279,997	
1922	880				9.3	BH	-4.4	-13.7			TP					
	875		298°44' - 180°	-0.1°	+12.7	-		+12.7	520.8		BS	-419	+768			curve
	875				+8.3	BH	+4.4	+12.7			BS					
1923	658		295° -'	-0.1°	11.2	-		-11.2		509.6		+280	-595	1,450,459	280,170	
TP	510		295°40'	-0.1°	10.6	-		-10.6		510.2		+220	-460	1,450,399	280,305	trail (south)
1924	440		295°17'	-0.1°	10.1	-		-10.1		510.7		+187	-398	1,450,366	280,367	
1925	220		"	-0.1°	7.8	-		-7.8		513.0		+94	-199	1,450,273	280,566	
1926	0				5.3	-		-5.3		515.5	TP	0	0	1,450,179	280,765	
1927	220		113°233'	-0.1°	2.3	-		-2.3		518.5		-87	+202	1,450,092	280,967	
1928	440		"	-0.1°	7.4	-		-7.4		513.4		-174	+404	1,450,005	281,169	
1929	510		"	-0.1°	10.3	-		-10.3		510.5		-261	+406	1,449,918	281,371	
1930	880		"	-0.1°	11.6	-		-11.6		509.2		-345	+808	1,449,831	281,573	
1931	1000		"	-0.1°	10.8	-		-10.8		510.0		-435	+1010	1,449,744	281,775	
1932	720		113°233'	-0.1°	7.5	-	-6.6	-14.1		506.7	TP	-522	+1212	1,449,657	281,977	
1933	1000		"	-0.1°	4.1	-		-14.1			TP					
											BS					
											BS					

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11/15/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		161			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Vesta Jacksons Crossroads		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
									487.8						
1944	1100		298°43.7'	-0.1°	6.4	89°20'	+12.8	+6.4		494.2		+527	-966	1,448,636	284,286
1945	880		"	-0.1°	3.5	714	+4.4	+0.9		488.7		+422	-772	1,448,531	284,480
1946	660		"	-0.1°	5.1	-		-5.1		482.7		+316	-579	1,448,425	284,673
1947	440		"	-0.1°	5.3	-		-5.3		482.5		+211	-386	1,448,320	284,866
1948	220		"	-0.1°	2.2	-		-2.2		485.6		+105	-193	1,448,214	285,059
1949	0		"		5.3	-		-5.3		482.5	X	0	0	1,448,109	285,252
1950	220		112°28'	-0.1°	11.2	-		-11.2		476.6		-84	+203	1,448,025	285,455
1951	440		"	-0.1°	13.2	91°-	-7.7	-20.9		466.9		-167	+407	1,447,942	285,659
1952	660		110°40'	-0.1°	12.7	91°20'	-15.4	-28.1		459.7		-232	+618	1,447,877	285,870
1953	880		110°9.5'	-0.1°	6.9	91°10'	-17.9	-24.8			TP	-302-2	+827+2	1,447,805	286,081
1953	880				9.5	91°-	-15.4	-24.9		462.9	TP				
	660		288°29.3'-180°	-0.1°	+8.3	89°30'	-5.8	+2.5	465.4		BS	-208-2	+626+2		
	660				10.2	89°20'	-7.7	+2.5			BS				
1954	440		288°29.3'	-0.1°	0.4	89°30'	+3.8	+3.4		468.8		+139	-418	1,447,734	286,291
1955	220		"	-0.1°	0.9	-		-0.9		464.5		+69	-209	1,447,664	286,560
1956	0		"		5.3	-		-5.3		460.1	X	0	0	1,447,595	286,709
1957	220		109°6.7'	-0.1°	13.5	-		-13.5		451.9		-72	+208	1,447,523	286,917
1958	440		"	-0.1°	9.7	91°30'	-11.5	-21.2		444.2		-143	+416	1,447,452	287,125
1959	660		109°6.7'	-0.1°	12.2	91°30'	-17.3	-29.5		435.9	TP	-215-2	+624+3	1,447,378	287,336
1959	660				14.9	91°16'	-14.6	-29.5			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			
11/15/78		G. Co. Conf		R. Hulsey		6834		R. J. H.		1	162			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
Georgia		Jacksons Crossroad		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.	
1959										435.9				
	660		302° 34.3' - 180°	-0.1°	+0.9	89° -	-11.5	-10.6			BS	-354.2	+557.2	
	660				+4.7	88° 40'	-15.4	-10.7	425.2		BS			
1960	440		302° 34.3'	-0.1°	4.6	89° -	+7.7	+3.1		428.3		+236	-371	1,447,258 287,524
1961	220		"	-0.1°	1.8	-		-1.8		423.4		+118	-186	1,447,140 287,709
1962	0				5.3	-		-5.3		419.9	TP	0	0	1,447,022 287,895 set up opposite station
1963	222		135° 22.5'	-0.1°	14.9	-		-14.9		410.3	TP	-158.2	+156.2	1,446,812 288,053
1963	222				13.8	BH	-1.1	-14.9			TP			
	441		324° 46.3' - 180°	-0.1°	+4.4	88° -	-15.4	-11.0	399.3		BS	-360.2	+255.3	
	441				+0.8	88° 28'	-11.8	-11.0			BS			
1964	220		324° 46.3'	-0.1°	2.1	-		-2.1		397.2		+179	-127	1,446,679 288,184
1965	0				5.3	-		-5.3		394.0	TP	0	0	1,446,500 288,311
1966	220		157° 39.6'	-0.1°	6.3	-		-6.3		393.0	TP	-203.2	+84.2	1,446,245 288,397
1966	220				5.2	BH	-1.1	-6.3			TP			
	222		1° 56.6' + 180°	-0.1°	+4.5	-		+4.5	397.5		BS	-222.2	-7.3	
	222				+5.6	TH	-1.1	+4.5			BS			
1967	0				5.3	-		-5.3		392.2	TP	0	0	1,446,071 288,393
1968	220		204° 23'	-0.1°	7.0	-		-7.0		390.5	TP	-201.2	-90.2	1,445,868 288,305
1968	220				5.9	BH	-1.1	-7.0			TP			
	211		7° 16.8' + 180°	-0.1°	+5.8	-		+5.8	396.3		BS	-209.2	-26.3	curve
	211				+6.9	TH	-1.1	+5.8			BS			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 11/15/78	INSTRUMENT MAN G. CoCamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 163
AREA Georgia	TOPO MAP Jacksons Crossroad	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
									396.3							
1969	0				5.3	-		-5.3		391.0	TP	0	0	1,445,657	288,282	
	109		152°38'	-0.1°	4.2	-		-4.2		392.1		-97	+50	1,445,560	288,332	bridge
1970	220		150°33.8'	-0.1°	3.3	-		-3.3		393.0		-191	+108	1,445,466	288,390	
1971	439		150°33.8'	-0.1°	4.7	88°	+15.3	+10.6		406.9	TP	-382-2	+216+2	1,445,273	288,500	
1971	439			-1	0.9	88°30'	+11.5	+10.6			TP					
	1100		336°51' -180°	-0.1°	+10.1	91°30'	+28.8	+38.9		445.8	BS	-1011-2	+434+3			
	1100				+5.0	91°46'	+33.9	+38.9			BS					
1972	880		336°51'	-0.1°	4.2	92°	-30.7	-34.9		410.9		+809	-347	1,445,069	288,590	
1973	660		"	-0.1°	8.4	92°	-23.0	-31.4		414.4		+606	-261	1,444,866	288,676	
1974	440		335°3'	-0.1°	6.8	92°	-15.3	-22.1		423.7		+399	-186	1,444,659	288,751	
1975	220		"	-0.1°	12.2	-		-12.2		433.6		+199	-93	1,444,459	288,844	
1976	0				5.3	-		-5.3		440.5	TP	0	0	1,444,260	288,937	
1977	220		145°47'	-0.1°	0.6	-		-0.6		445.2		-182	+124	1,444,078	289,061	
1978	440		"	-0.1°	1.0	89°	+7.7	+6.7		452.5		-363	+248	1,443,897	289,185	
	580		145°27'	-0.1°	7.8	88°	+20.2	+12.4		458.2		-477	+330	1,443,783	289,267	trail (north) E.L. 457
1979	660		145°47'	-0.1°	6.7	88°	+23.0	+16.3		462.1		-545	+372	1,443,715	289,309	
1980	880	879	"	-0.1°	4.2	88°	+30.7	+26.5		472.3		-726	+496	1,443,534	289,433	
1981	1100	1099	"	-0.1°	0.9	88°	+38.4	+37.5		483.3		-908	+620	1,443,352	289,557	
1982	1320	1319	"	-0.1°	1.3	88°	+46.0	+44.7		490.5		-1089	+744	1,443,171	289,681	
1983	1540	1539	"	-0.1°	10.4	87°40'	+62.6	+52.2		498.0		-1271	+868	1,442,989	289,805	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11/15/78		G. Catcamp		R. Hulsey		6834		R. J. H.		1		164				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Jacksons Crossroads		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
									445.8							
1984	1760	1759	145°47'	-0.1°	9.3	87°40'	+71.6	+62.3		508.1		-1453	+992	1,442,807	289,929	
1985	1980	1978	"	-0.1°	11.2	87°40'	+80.5	+69.3		515.1		-1634	+1115	1,442,626	290,025	
	2170	2168	145°24.3'	-0.1°	12.1	87°40'	+88.3	+76.2		522.0		-1783	+1234	1,442,477	290,171	Y-intersect (west)
1986	2200	2198	145°10.8'	+0.1°	14.4	87°40'	+89.5	+75.1			TP	-1807.2	+1252.2	1,442,451	290,191	curve
1986	2200				8.1	87°50'	+83.1	+75.0		520.8	TP					
	440		274°6.6'-180°	+0.1°	+10.0	91°-	+7.7	+17.7	538.5		BS	-32-2	+439+2			
	440				+13.1	90°36'	+4.6	+17.7			BS					
1987	220		274°6.6'	+0.1°	12.8	91°-	-3.8	-16.6		521.9		+16	-219	1,442,433	290,413	
1988	0				5.3	-		-5.3		533.2	TP	0	0	1,442,417	290,632	
1989	220		101°36'	+0.1°	4.5	TH	+1.1	-3.4			TP	-43-2	+216+3	1,442,372	290,851	
1989	220				5.0	89°36'	+1.5	-3.5		535.0	TP					
	1100		289°17.9'-180°	+0.1°	+3.8	TH	-5.5	-1.7	533.3		BS	-365-2	+1038.2			
	1100				+4.8	89°40'	-6.4	-1.6			BS					
1990	880		289°17.9'	+0.1°	2.7	-		-2.7		530.6		+292	-830	1,442,297	291,061	
1991	660		"	+0.1°	4.0	-		-4.0		529.3		+219	-623	1,442,224	291,268	
1992	440		"	+0.1°	2.9	-		-2.9		530.4		+146	-415	1,442,151	291,476	
1993	220		"	+0.1°	5.6	-		-5.6		527.7		+73	-208	1,442,078	291,683	
	181		293°-	+0.1°	5.8	-		-5.8		527.5		+71	-166	1,442,076	291,725	(south) Trail E1. 527
1994	0				5.3	-		-5.3		528.0	TP	0	0	1,442,005	291,891	
1995	220		110°1.6'	+0.1°	3.3	-		-3.3		530.0		-76	+207	1,441,929	292,098	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
11/15/78		G. C. Camp		R. Hulsey		6834		R. J. H.		1		165				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Jacksons Crossroads		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	X
									533.3							
✓	222		109°46'	+0.1°	3.3	-		-3.3		530.0		-75	+209	1,441,930	292,100	Y-intersect. (north)
1996	440		110°1.6'	+0.1°	8.5	-		-8.5		524.8		-151	+413	1,441,854	292,364	horiz. correct. y = -33'
1997	660		"	+0.1°	12.7	-		-12.7		520.6		-227	+620	1,441,778	292,511	x = +48'
1998	880		"	+0.1°	11.7	-		-11.7		521.6		-303	+826	1,441,762	292,717	
1999	1100		110°1.6'	-0.3°	7.0	-		-7.0		526.3	TP	-371	+1035	1,441,634	292,926	
1999	1100				12.5	TH	+5.5	-7.0			TP					
	440		309°33'-180°	-0.3°	+9.1	-		+9.1	535.4		BS	-275+2	+343+2			
	440				+11.3	TH	-2.2	+9.1			BS					
2000	220		309°3.3'	-0.3°	4.9	-		-4.9		530.5		+138	-172	1,441,499	293,099	
2001	0				5.3	-		-5.3		530.1	TP	0	0	1,441,361	293,271	
2002	220		132°41'	-0.3°	11.9	91°-	-3.8	-15.7		519.7		-148	+163	1,441,213	293,434	
2003	440		"	-0.3°	13.6	91°-	-7.7	-21.3		514.1		-297	+325	1,441,064	293,596	
2004	660		"	-0.3°	13.1	91°-	-11.5	-24.6		510.8		-445	+488	1,440,916	293,759	
2005	880		"	-0.3°	13.9	91°-	-15.4	-29.3		506.1		-593	+650	1,440,768	293,921	
✓	1040		132°36'	-0.3°	6.3	91°30'	-27.2	-33.5		501.9		-700	+769	1,440,661	294,040	T-rod (south)
2006	1100		132°41'	-0.3°	11.7	91°20'	-25.6	-37.3		498.1		-741	+813	1,440,620	294,084	
2007	1320		132°27.7	-0.3°	12.3	91°20'	-30.7	-43.0		492.4	TP	-886+3	+978+3	1,440,978	294,252	
2007	1320				14.6	91°14'	-28.4	-43.0			TP					
	223		320°5.8'-180°	-0.3°	+2.0	-		+2.0	494.4		BS	-170+2	+144+2			
	223				+3.1	TH	-1.1	+2.0			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 1/16/78	INSTRUMENT MAN G. Colcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 166
AREA Georgia	TOPO MAP Jacksons Crossroads	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			
									494.4									
2008	0				5.3	-		-5.3		489.1	TP	0	0	1,440,310	294,398			
	16		199°29'	-0.3°	5.7	-		-5.7		488.7		-14	+8	1,440,296	294,406			T-rd E1.488
2009	220		166°44.7'	-0.3°	8.8	-		-8.8		485.6		-214	+52	1,440,096	294,450			
2010	438		166°44.7'	-0.3°	9.4	-		-9.4		485.0	TP	-426+3	+103+3	1,439,887	294,504			
2010	438				11.6	TH	+2.2	-9.4			TP							
	880		316°49.3'-180°	-0.3°	+3.5	-		+3.5	488.5		BS	-638+2	+606+2					
	880				+7.9	TH	-4.4	+3.5			BS							
2011	660		316°49.3'	-0.3°	3.7	-		-3.7		484.8		+479	-454	1,439,730	294,658			
2012	440		'	-0.3°	10.4	-		-10.4		478.1		+319	-303	1,439,570	294,809			
2013	220		'	-0.3°	11.9	-		-11.9		476.6		+160	-151	1,439,411	294,961			
2014	0				5.3	-		-5.3		483.2	TP	0	0	1,439,251	295,112			
2015	220		129°20.2'	-0.3°	2.8	-		-2.8		485.7	TP	-138.3	+171.3	1,439,116	295,286			
2015	220				3.9	TB	+1.1	-2.8			TP							
	440		297°48.8'-180°	-0.3°	+10.6	-		+10.6	496.3		BS	-203+2	+390+2					
	440				+12.8	TH	-2.2	+10.6			BS							
	235		299°18'	-0.3°	9.0	-		-9.0		487.3		+114	-206	1,439,029	295,472			Trail (south)
2016	220		297°48.8'	-0.3°	8.9	-		-8.9		487.4		+102	-195	1,439,017	295,483			
2017	0				5.3	-		-5.3		491.0	TP	0	0	1,438,915	295,678			
	120		122°2'	-0.3°	3.0	-		-3.0		493.3		-63	+102	1,438,852	295,780			Trail (north) E1 493
2018	220		126°7.7'	-0.3°	5.6	-		-5.6		490.7		-129	+178	1,438,786	295,856			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11/16/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		167			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Jacksons Crossroads		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
									496.3						
2019	440		126° 7.7'	-0.3°	10.4	-		-10.4		485.9		-258	+357	1,438,657	296,035
2020	660		'	-0.3°	11.2	BH	-3.3	-14.5		481.8		-386	+535	1,438,529	296,213
2021	880		126° 7.7'	-0.3°	9.9	90° 36'	-9.2	-19.1			TP	-515+3	+713+3	1,438,403	296,394
2021	880				11.5	90° 30'	-7.7	-19.2		477.1	TP				
	880	879	310° 24' -180°	-0.3°	+6.3	88° -	-30.7	-24.4	452.7		BS	-566+2	+672+2		
	880				+3.2	88° 12'	-27.6	-24.4			BS				
2022	660		310° 24'	-0.3°	4.1	88° -	+23.0	+18.9		471.6		+425	-505	1,438,264	296,563
2023	440		'	-0.3°	6.2	88° -	+15.3	+9.1		461.8		+283	-337	1,438,122	296,731
2024	220		'	-0.3°	0.9	TH	+1.1	+0.2		452.9		+142	-168	1,437,981	296,900
2025	0				5.3	-		-5.3		447.4	TP	0	0	1,437,839	297,068
2026	220		125° 10'	-0.3°	10.8	-		-10.8		441.9		-126	+181	1,437,713	297,249
2027	440		'	-0.3°	13.8	-		-13.8		438.9		-252	+361	1,437,587	297,429
2027	545		125° 19'	-0.3°	12.4	BH	-2.7	-15.1		437.6		-313	+446	1,437,526	297,514
2028	660		125° 10'	-0.3°	10.3	90° 30'	-5.8	-16.1		436.6		-377	+542	1,437,462	297,610
2029	880		125° 10'	-0.3°	10.6	90° 30'	-7.7	-18.3		434.4	TP	-503+2	+722+2	1,437,338	297,792
2029	880				13.9	BH	-4.4	-18.3			TP				
	218		312° 33.5' -180°	-0.3°	+2.7	91° -	+3.8	+6.5			BS	-146+2	+161+2		
	218				+10.0	89° 04'	-3.6	+6.4	440.8		BS				
2030	0				5.3	-		-5.3		435.5	TP	0	0	1,437,194	297,955
2031	220		138° 16'	-0.3°	3.2	-		-3.2		437.6		-163	+148	1,437,031	298,103

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 11/16/78	INSTRUMENT MAN G. Colcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 168
AREA Georgia	TOPO MAP Jacksons Crossroads	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			
									440.8									
2032	440		138°10'	-0.3°	0.4	-		-0.4		440.4		-326	+295	1,436,868	298,250			(north)
	580		136°18'	-0.3°	1.2	TH	+2.9	+1.7		442.5		-417	+403	1,436,777	298,358			Trail E1. 442
2033	660		138°10'	-0.3°	2.9	TH	+3.3	+0.4		441.2		-489	+443	1,436,705	298,398			
2034	880		138°3'	-0.3°	6.2	TH	+4.4	-1.8			TP	-651.2	+592.3	1,436,545	298,550			
2034	880				9.6	89°30'	+7.7	-1.9		438.9	TP							
	1102		326°33.7-180°	-0.3°	+5.6	91°-	+19.2	+24.8	463.7		BS	-916.2	+612.2					
	1102				+12.0	70°41'	+14.1	+26.1			BS							
2035	880		326°2'	-0.3°	7.8	91°-	-15.4	-23.2		440.5		+727	-495	1,436,358	298,669			
2036	660		'	-0.3°	8.9	91°-	-11.5	-20.4		443.3		+545	-372	1,436,176	298,792			
2037	440		'	-0.3°	12.9	BH	-2.2	-15.1		448.6		+367	-248	1,435,995	298,916			
2038	220		'	-0.3°	9.4	-		-9.4		454.3		+182	-124	1,435,813	299,040			
2039	0				5.3	-		-5.3		458.4	π	0	0	1,435,631	299,164			
2040	220		148°13.2'	-0.3°	11.7	91°-	-3.8	-15.5		448.2		-186	+117	1,435,445	299,281			
2041	440		'	-0.3°	13.5	93°-	-23.0	-36.5		427.2		-373	+234	1,435,258	299,398			
2042	660		'	-0.3°	8.4	93°-	-34.5	-42.9		420.8		-557	+351	1,435,072	299,515			
2043	880		'	-0.3°	7.5	93°-	-46.0	-53.5		410.2		-746	+467	1,434,885	299,631			
2044	1100		148°13.2'	-0.3°	13.7	93°-	-57.5	-71.2	-71.3	392.4	TP	-932.2	+584.3	1,434,701	299,751			
2044	1100				14.5	92°58'	-56.9	-71.4			TP							
	440		309°2'-180°	-0.3°	+3.0	89°-	-7.7	-4.7	387.7		BS	-244.2	+366.2					
	440				+1.2	89°4'	-5.9	-4.7			BS							

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1/15/78		R. Hulsey		G. Cotcamp		6837		R. J. H.		1		170			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Wilkesboro		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
2055										474.3					
	440		334° 7.3'-180°	-0.3°	+7.7	88°	-15.3	-7.6			BS	-395.2	+194		
	440		"		+6.9	88°06'	-14.6	-7.7	466.6		BS				(southwest)
≡ 2056	420		334° 38.2'	-0.3°	5.6	88°	+14.6	+9.0		475.6		+379	-182	1,432,665	300,835 T-rd E1. 475
2056	220		334° 7.3'	-0.3°	5.5	88°	+7.7	+2.2		468.8		+197	-97	1,432,483	300,920
2057	0				5.4	-		-5.4		461.2	TP	0	0	1,432,286	301,017
2058	220		158° 53.9'	-0.3°	12.5	91°	-3.8	-16.3		450.3		+205	+80	1,432,081	301,097
2059	440		"	-0.3°	11.4	92°	-15.3	-26.7		439.9		-410	+161	1,431,876	301,178
2060	660	659	158° 53.9'	-0.3°	6.7	93°	-34.5	-41.2			TP	-613.2	+240	1,431,675	301,257
2060	660				4.9	93°10'	-36.4	-41.3		425.3	TP				
	220		333° 10.9'-180°	-0.3°	+1.2	87°	-11.5	-10.3	415.0		BS	-196.3	+100		
	220				+0.6	87°10'	-10.9	-10.3			BS				
2061	0				5.4	-		-5.4		409.6	TP	0	0	1,431,482	301,357
2062	220		137° 3.8'	-0.3°	11.4	-		-11.4		403.6	TP	-160	+151	1,431,322	301,508
2062	220				10.3	BH	-1.1	-11.4			TP				
	660		308° 15.1'-180°	-0.3°	+13.6	92°10'	+24.9	+38.5	442.1		BS	-406	+520		
	660				+12.8	92°14'	+25.7	+38.5			BS				
≡ 2063	580		309° 10.4'	-0.3°	14.3	92°36'	-25.3	-39.6		402.5		+364	-452	1,431,280	301,576 Bridge
2063	440		308° 58'	-0.3°	7.7	94°	-30.6	-38.3		403.8		+275	-344	1,431,191	301,684
2064	220		308° 10'	-0.3°	12.4	94.30'	-17.2	-29.6		412.5		+135	-174	1,431,051	301,854
2065	0				5.4	-		-5.4		436.7	TP	0	0	1,430,916	302,028

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Geosource Inc.

DATE 11/16/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 171
AREA Georgia	TOPO MAP Jackson's 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	X
									442.1							
2066	220		125° 39.6'	-0.3°	9.7	86°40'	+12.8	+3.1	445.2	TP	-127	+179	1,430,789	302,207		
2066	220				10.3	86°30'	+13.4	+3.1							TP	
	440		311° 9.7'-180°	-0.3°	+14.8	91°12'	+9.2	+24.0	469.2	BS	-288	+333				
	440				+14.3	91°16'	+9.7	+24.0							BS	
2067	220		311° 9.7'	-0.3°	10.0	92°-	-7.7	-17.7		451.5	+144	-166	1,430,645	302,374		
2068	0				5.4	-		-5.4		463.8	π	0	0	1,430,501	302,540	Set-up across sta.
2069	220		142° 45.5'	-0.3°	6.4	-		-6.4		462.8	TP	-174	+134	1,430,327	302,674	
2069	220				7.5	TH	+1.1	-6.4	484.5	TP						
	442		352° 22.3'-180°	-0.3°	+14.0	91°-	+7.7	+21.7							BS	-438
	442				+12.7	91°10'	+9.0	+21.7	BS							
2070	220		352° 22.3'	-0.3°	10.8	91°10'	-4.5	-15.3		469.2	+218	-30	1,430,107	302,705		
2071	0				5.3	-		-5.3		479.2	π	0	0	1,429,889	302,735	Set-up across sta.
2072	220		182° 4.2'	-0.3°	5.2	-		-5.2		479.3	TP	-220	-7	1,429,669	302,728	
2072	220				6.3	TH	+1.1	-5.2	491.8	TP						
	439		319° 47'-180°	-0.3°	+12.5	-		+12.5							BS	-334
	439				+14.7	TH	-2.2	+12.5	BS						horiz. corred. $y = \frac{147}{x = 37}$ 1,429,565 + 302,780 (sec. 37)	
2073	220		314° 48.6'	-0.3°	12.6	-		-12.6		479.2	+230	-234	1,429,565	302,779	1 st rd E1 479 (south)	
2073	220		312° 38.5'	-0.3°	10.4	-		-10.4		481.4	+148	-163	1,429,483	302,850		
2074	0				5.3	-		-5.3		486.5	π	0	0	1,429,335	303,013	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
11/17/78		G. Cotcamp		R. Hulse		6834		R. J. H.		1	172				
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM	PARTY MANAGER				
Georgia		Jacksons Crossroad		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
									491.8						
2075	220		120° 3.9'	-3°	14.6	90° 30'	-1.9	-16.5		475.3	TP	-109+2	+191	1,429,238	303,204
2075	220				14.0	90° 40'	-2.6	-16.6			TP				
	1320	1318	281° 22.1' - 180°	-3°	+2.7	87°	-69.0	-66.3	409.0		BS	-253+2	+1293		
	1320				+6.7	86° 50'	-72.8	-66.1			BS				
2076	1100	1098	281° 22.1'	-3°	4.6	87°	+57.5	+52.9		461.9		+211	-1078	1,429,188	303,419
2077	880	879	"	-3'	5.9	87°	+46.0	+40.1		449.1		+169	-863	1,429,146	303,634
2078	660	659	"	-0.3'	6.3	87°	+34.5	+28.2		437.2		+127	-647	1,429,104	303,850
2079	440	439	279° 36'	-0.3'	6.8	87°	+23.0	+16.2		425.2		+71	-433	1,429,048	304,064
2080	220		"	-0.3°	1.9	88°	+7.7	+5.8		414.8		+36	-217	1,429,013	304,280
2081	0				5.3	-		-5.3		403.7	X	0	0	1,428,977	304,497
2082	220		96° 40'	-0.3°	14.4	BH	-1.1	-15.5		393.5	TP	-24+2	+219	1,428,955	304,716
2082	220				14.3	90° 20'	-1.3	-15.6			TP				
	214		309° 37' - 180°	-0.3°	+2.9	TH	-1.1	+1.8	395.3		BS	-135+2	+166		
	214				+3.1	89° 40'	-1.2	+1.9			BS				
X	61		338° 11'	-0.3°	5.0	-		-5.0		390.3		+57	-23	1,428,879	304,859 bridge
2083	0				5.3	-		-5.3		390.0	X	0	0	1,428,822	304,882
2084	220		143° 28'	-0.3°	4.1	-		-4.1		391.2		-176	+132	1,428,146	305,014
2085	438		135° 7.8'	-0.3°	4.3	89° 20'	+5.1	+0.8		396.1	TP	-309+2	+311	1,428,515	305,193
2085	438				5.5	89° 10'	+6.4	+0.9			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 11/17/78	INSTRUMENT MAN G. Colcamp	ROD MAN R. Wisew	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 173
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	TWP	RANGE	PPM
				PARTY MANAGER L. C. 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			
2085										396.1								
	440	439	294°52'-180°	-0.3°	+12.2	93°	+23.0	+35.2	431.3		BS	-183+2	+399					
	440				+14.8	92°40'	+20.4	+35.2			BS							
2086	220		299°52'	-0.3°	10.7	93°	-11.5	-22.2		409.1		+91	-200	1,428,425	305,392			
2087	0				5.3	-		-5.3		426.0	TP	0	0	1,428,334	305,592			
2088	220		106°14'	-0.3°	2.0	87°	+11.5	+9.5		440.8	TP	-60+2	+212	1,428,276	305,804			
2088	220				0.7	87°20'	+10.2	+9.5			TP							
	440		271°45'-180°	-0.3°	+13.0	92°	+15.3	+28.3	469.1		BS	-11+2	+440					
	440				+14.5	91°48'	+13.8	+28.3			BS							
2089	220		269°51'	-0.3°	11.8	-		-11.8		457.3		-2	-220	1,428,265	306,024			
2090	0				5.3	-		-5.3		463.8	TP	0	0	1,428,267	306,244			
2091	220		93°27'	-0.3°	2.3	-		-2.3		466.8		-12	+220	1,428,255	306,464			
TP	370		98°5'	-0.3°	5.5	89°	+6.5	+1.0		470.1	TP	-50+2	+367	1,428,219	306,611	Y-intersect. elev 470.		
TP	370				4.4	89°10'	+5.4	+1.0			TP					chapp curve		
	960		356°124'-180°	-0.3°	+4.0	91°	+16.8	+20.8	490.9		BS	-957+1	+69					
	960				+5.8	90°54'	+15.1	+20.9		X	BS							
2092	880		357°15'	-0.3°	6.1	91°	-15.4	-21.5		469.4		+879	-47	1,428,142	306,633			
2093	660			-0.3°	7.3	91°	-11.5	-18.8		472.1		+659	-35	1,427,922	306,645			
2094	440			-0.3°	13.7	BH	-2.2	-15.9		475.0		+439	-23	1,427,702	306,657			
2095	220			-0.3°	7.3	-		-7.3		483.6		+220	-12	1,427,483	306,668			
2096	0				5.3	-		-5.3		485.6	TP	0	0	1,427,263	306,680			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11/17/78		G. Co. Comp		R. Hulsey		6834		R. J. H.		1		174			
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
									490.9						
2097	220		165°50'	-0.3°	12.1	-		-12.1		478.8		-213	+55	1,427,050	306,735
2098	440		"	-0.3°	11.9	BH	-2.2	-14.1		476.8		-426	+110	1,426,837	306,790
2099	655		163°5'	-0.3°	12.3	-		-12.3		478.6	TP	-626+2	+194	1,426,639	306,874
2099	655				9.0	BH	-3.3	-12.3			TP				
	441		332°36'-180°	-0.3°	+13.9	89°	-7.7	+5.7	484.3		BS	-390+2	+205		
	441				+10.1	89°26'	-4.4	+5.7			BS				
2100	220		328°43'	-0.3°	4.1	89°	+3.8	-0.3		484.0		+187	-115	1,426,438	306,964
2101	0				5.3	-		-5.3		479.0	π	0	0	1,426,251	307,079
2102	220		151°28.6'	-0.3°	5.3	-		-5.3		479.0		-193	+106	1,426,058	307,185
2103	440		"	-0.3°	4.4	-		-4.4		479.9		-385	+212	1,425,866	307,291
2104	660		"	-0.3°	1.7	-		-1.7		482.6		-578	+318	1,425,673	307,397
2105	720		151°5'	-0.3°	2.7	TH	+3.6	+0.9		485.2		-628	+351	1,425,623	307,430
2105	880		151°28.6'	-0.3°	6.9	TH	+4.4	-2.5		481.8		-771	+424	1,425,480	307,503
2106	1100		151°28.6'	-0.3°	9.9	TH	+5.5	-4.4		479.9	TP	-964+2	+530	1,425,289	307,609
2106	1100				14.0	89°30'	+9.6	-4.4			TP				
	880		331°58'-180°	-0.3°	+14.0	BH	+4.4	+18.4	498.3		BS	-768+2	+429		
	850				+14.3	90°16'	+4.1	+18.4			BS				
2107	660		331°5.8'	-0.3°	6.2	91°	-11.5	-17.7		480.6		+576	-322	1,425,099	307,716
2108	440		"	-0.3°	12.6	BH	-2.2	-14.8		483.5		+384	-215	1,424,907	307,823
2108	295		331°39'	-0.3°	12.9	-		-12.9		485.4		+259	-141	1,424,782	307,897

Trail (southwest)

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 11/17/78	INSTRUMENT MAN G. Co. Camp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 175
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.	
									498.3					
2109	220		327°29'	-0.3°	10.7	-		-10.7		487.6		+185	-119	1,424,708 307,919
2110	0				5.3	-		-5.3		493.0	X	0	0	1,424,523 308,038
2111	220		148°57'	-0.3°	7.2	-		-7.2		491.1		-188	+114	1,424,335 308,152
2112	440			-0.3°	6.5	-		-6.5		491.8		-376	+229	1,424,147 308,267
2113	660		148°57'	-0.3°	5.9	-		-5.9		492.4	TP	-564+2	+343	1,423,961 308,381
2113	660				9.2	TH	+3.3	-5.9			TP			
	1320		317°8' -180°	-0.3°	+13.5	BH	+6.6	+20.1	512.5		BS	-963+2	+903	
	1320				+14.7	90°14'	+5.4	+20.1			BS			
2114	1100		317°8'	-0.3°	13.4	BH	-5.5	-18.9		493.6		+802	-753	1,423,802 308,531
2115	880			-0.3°	13.5	BH	-4.4	-17.9		494.6		+642	-602	1,423,642 308,682
2116	100			-0.3°	13.7	-		-13.7		498.8		+481	-452	1,423,481 308,832
2117	710			-0.3°	11.2	-		-11.2		501.3		+321	-301	1,423,321 308,983
2118	220			-0.3°	9.1	-		-9.1		503.4		+160	-151	1,423,160 309,133
2119	0				5.3	-		-5.3		507.2	X	0	0	1,423,000 309,284
2120	220		136°22.6'	-0.3°	1.2	TH	+1.1	-0.1		512.4		-158	+153	1,422,842 309,437
2121	710			-0.3°	3.3	89°-	+7.7	+4.4		516.9		-317	+305	1,422,683 309,589
2122	660			-0.3°	7.9	89°-	+11.5	+3.6		516.1		-475	+458	1,422,525 309,742
2123	880			-0.3°	9.2	89°-	+15.4	+6.2		518.7		-634	+610	1,422,366 309,894
2124	1100		136°22.6'	-0.3°	9.9	89°-	+19.2	+9.3		521.8	TP	-792+2	+763	1,422,210 310,047
2124	1100				14.5	88°41'	+23.7	+9.2			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			
11/17/78		G. Colerup		R. Wilson		6834		R. J. H.		1	176			
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.	
2124									521.8					
	1100		324° 28.7' - 180°	-0.3°	+10.2	90° 40'	+12.8	+23.0	544.8		BS	-892	+644	
	1100				+13.4	90° 30'	+9.6	+23.0						BS
2125	880		324° 28.7'	-0.3°	12.2	90° 30'	-7.7	-19.9	524.9			+714	-515	1,422,034 310,176
2126	780		325° 6'	-0.3°	12.0	90° 30'	-6.8	-18.8	526.0			+637	-450	1,421,957 310,241 trail (southwest)
2127	660		324° 28.7'	-0.3°	13.7	BH	-3.3	-17.0	527.8			+535	-386	1,421,855 310,305
2128	440		"	-0.3°	13.4	-		-13.4	531.4			+357	-258	1,421,677 310,433
2129	220		"	-0.3°	8.8	-		-8.8	536.0			+178	-129	1,421,498 310,562
2130	0				5.3	-		-5.3	539.5		T	0	0	1,421,320 310,691
2131	220		145° 18'	-0.3°	5.6	-		-5.6	539.2			-180	+126	1,421,140 310,817
2132	440		"	-0.3°	4.0	-		-4.0	540.8			-360	+252	1,420,960 310,943
2133	660		"	-0.3°	2.8	-		-2.8	542.0			-541	+379	1,420,779 311,070
2134	880		"	-0.3°	1.7	-		-1.7	543.1			-721	+505	1,420,599 311,196
2135	1100		"	-0.3°	4.4	TH	+5.5	+1.1	545.9			-901	+631	1,420,419 311,322
2135	1320		145° 18'	-0.3°	2.4	TH	+6.6	+4.2	549.0		TF	-1081	+757	1,420,241 311,448
2135	1320				3.5	89° 40'	+7.7	+4.2						
	880		326° 19.6' - 180°	-0.3°	+14.9	90° 20'	+5.1	+20.0	569.0		BS	-730	+492	
	880				+12.4	90° 30'	+7.7	+20.1						BS
2136	660		326° 19.6'	-0.3°	2.3	90° 30'	-5.8	-18.1	550.9			+547	-369	1,420,060 311,571
2137	440		"	-0.3°	13.1	BH	-2.2	-15.3	553.7			+365	-246	1,419,878 311,694
2138	220		"	-0.3°	11.3	-		-11.3	557.7			+182	-123	1,419,695 311,817

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 11/17/78	INSTRUMENT MAN G. CoCamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 177
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	TWP 11N	RANGE 11E	PPM 100
					PARTY MANAGER L. O. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									569.0						
2139	0				5.3	-		-5.3		563.7	π	0	0	1,419,513	311,940
2140	220		145°45'	-0.3°	2.4	-		-2.4		566.6		-181	+125	1,419,332	312,065
2141	440			-0.3°	1.9	-		-1.9		567.1		-362	+250	1,419,151	312,190
2142	660		145°45'	-0.3°	6.5	-		-6.5		562.5	γ	-554	+374	1,418,961	312,314
2142	660				9.8	74	+3.3	-6.5			γ				
	440		304°40.2'180°	-0.3°	0.6	89°	-7.7	-7.1	555.4		π	-248	+363		
	440				3.2	88°40'	-10.2	-7.0			π				
2143	220		301°20'	-0.3°	2.7	-		-2.7		552.7		+113	-189	1,418,828	312,488
2144	0				5.3	-		-5.3		550.1	π	0	0	1,418,715	312,677
2145	220		116°53'	-0.3°	1.1	-		-1.1		554.3		-98	+197	1,418,617	312,874
2146	440		111°9.3'	-0.3°	5.1	88°	+15.3	+10.2		565.6		-157	+411	1,418,558	313,088
2147	660		111°9.3'	-0.3	4.0	88°	+23.0	+19.0		574.4	π	-235	+617	1,418,483	313,294
2147	660				1.3	88°14'	+20.3	+19.0			γ				
	440		297°8'160°	-0.3°	14.9	91°20'	+10.3	+25.2	599.6		π	-200	+394		
	440				12.4	91°40'	+12.8	+25.2			π				
2148	320		297°9'	-0.3°	11.6	91°	-3.8	-15.4		584.2		+99	-196	1,418,385	313,492
2149	0				5.3	-		-5.3		594.3	π	0	0	1,418,286	313,688
2150	220		132°15'	-0.3°	2.2	88°	+7.7	+5.5		605.1		-147	+164	1,418,139	313,852
2151	443		132°15'	-0.3°	2.8	87°40'	+18.0	+15.2		614.8	γ	-296	+329	1,417,993	314,017
2151	443				2.3	87°44'	+17.5	+15.2			γ				first st. on pavement

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11/17/78		G. Co. comp		L. P. [unclear]		6534		R. J. H.		1		178			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Jacksons Crossroads		Georgia		Wilkes								L. O. [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
2151										614.8					
	440		296°19.2'-180°	-0.3°	+0.6	-		+0.6	615.4		BS	-193+3	+395		
	440				+2.8	TH	-2.2	+0.6			BS				
TP	424		298°14'	-0.3°	0.2	-		-0.2	615.2			+199	-375	1,418,002	314,037 T-rd (south)
2152	220		292°40'	-0.3°	0.9	-		-0.9	614.5			+84	-203	1,417,887	314,209
2153	0				5.3	-		-5.3	610.1		X	0	0	1,417,803	314,412
2154	200		106°35.3'	-0.3°	13.3	-		-13.3	602.1			-62	+211	1,417,741	314,623
2155	142			-0.3°	9.9	91°-	-7.7	-17.6	597.8			-123	+422	1,417,680	314,834
W	655		106°-	-0.3°	14.5	BH	-3.3	-17.8	597.6			-177	+631	1,417,626	315,043
2156	552		106°35.3'	-0.3°	12.8	90°30'	-5.8	-18.6	596.8		TP	-185+3	+634	1,417,621	315,046 Malloyville
2156	550				14.3	90°20'	-4.2	-18.5			TP				
	434		289°12.2'-180°	-0.3°	+11.0	89°-	-7.6	+3.4	600.2		BS	-14+3	+411		Curve
	434				+7.3	89°30'	-3.8	+3.5			BS				
2157	220		299°12'	-0.3°	2.4	-		-2.4	597.8			+106	-193	1,417,589	315,264 U.S.G.S 40 W H 1970
BM	92		341°12'	-0.3°	3.2	-		-3.2	597.0		BM	+87	-30	1,417,570	315,427 BM El. 597.
2158	0				5.3	-		-5.3	594.9		X	0	0	1,417,483	315,457
2159															
W	186		131°19.2'	-0.3°	7.5	-		-7.6	592.6			-122	+140	1,417,361	315,597 T-rd (north)
2159	200		134°24'	-0.3	4.7	91°-	-3.8	-8.5	591.7			-153	+158	1,417,330	315,615
2159	200				4.5	-		-8.5			-0				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/18/78	INSTRUMENT MAN G. C. Stump	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY GWB	LINE NO. 1	PAGE 179
AREA Georgia	TOPO MAP Jacksons Crossroads	STATE Georgia	COUNTY Wilkes	TWP	RANGE	PPM
				PARTY MANAGER L.C. 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			
2159										591.7								
	2640		317°23.3'-180°	-0.5°	+12.4	-		+12.4	604.1		BS	-1927+4	+1804					
	2640				+4.0	89°58'	-1.5	+12.5			BS							
2160	2420		317°23.3'	-0.5°	2.7	84°	-12.1	-14.8		589.3		+1767	-1654	1417,174	315,765			
2161	2200			-0.5°	6.7	84°	-11.0	-17.9		586.2		+1606	-1504	1417,013	315,915			
2162	1980			-0.5°	11.9	84°	-9.9	-21.8		582.3		+1445	-1353	1416,852	316,066			
2163	1760			-0.5°	4.9	90°40'	-20.5	-25.4		578.7		+1285	-1203	1416,692	316,216			
2164	1540			-0.5°	9.2	90°40'	-17.9	-27.1		577.0		+1124	-1052	1416,531	316,367			
2165	1320		316°44'	-0.5°	12.2	90°40'	-15.4	-27.6		576.5		+953	-913	1416,360	316,506			
2166	1100			-0.5°	7.3	91°	-19.2	-26.5		577.6		+794	-761	1416,201	316,658			
2167	880			-0.5°	7.0	91°	-15.4	-22.4		581.7		+636	-609	1416,043	316,810			
2168	660			-0.5°	6.0	91°	-11.5	-17.5		586.6		+477	-457	1415,884	316,962			
2169	440			-0.5°	13.2	-		-13.2		590.9		+318	-304	1415,725	317,115			
2170	220			-0.5°	8.1	-		-8.1		596.0		+159	-152	1415,566	317,267			
2171	0				5.3	-		-5.3		598.8	π	0	0	1415,407	317,419			
2172	220		136°47'	-0.5°	4.7	-		-4.7		599.4		-159	+152	1415,248	317,571			
2173	440			-0.5°	3.7	-		-3.7		600.4		-318	+304	1415,089	317,723			
2174	660			-0.5°	1.9	-		-1.9		602.2		-477	+456	1414,930	317,875			
2175	880			-0.5°	0.1	-		-0.1		604.0		-636	+608	1414,771	318,027			
2176	1100			-0.5	4.7	TH	+5.5	+0.8		604.9		-795	+760	1414,612	318,179			
2177	1320			-0.5	7.1	TH	+6.6	-0.5		603.6		-954	+912	1414,453	318,331			

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE 11/18/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 5834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 180
AREA Georgia	TOPO MAP Tarkenton 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				
									604.1										
2178	1540		136° 11.7'	-0.5°	13.7	TH	+7.7	-6.0		598.1	TP	-1102+4	+1076	1414,309	318,495				
2178	1540				150	89° 40'	+9.0	-6.0			TP								
	880		315° 7' - 180°	-0.5°	+46	88° 30'	-23.0	-18.4	579.7		BS	-618+4	+626						
	880				+1.0	88° 44'	-19.4	-18.4			BS								
2179	660		315° 7'	-0.5°	1.3	89°	+11.5	+10.2		589.9		+464	-470	1414,159	318,651				
2180	440		317° 14'	-0.5°	1.0	TH	+2.2	+1.2		580.9		+320	-302	1414,015	318,819				
2181	220		"	-0.5°	4.4	-		-4.4		575.3		+160	-151	1413,855	318,970				
2182	0				5.3	-		-5.3		574.4	TP	0	0	1413,695	319,121				
2183	220		149° 9'	-0.5°	2.3	89°	+3.8	+1.5		581.2		-188	+114	1413,507	319,235				
2184	440		"	-0.5°	6.1	88°	+15.3	+9.2		588.9		-376	+229	1413,319	319,350				
2185	660		150° 42'	-0.5°	7.1	88°	+23.0	+15.9		595.6		-573	+328	1413,122	319,449				
2186	880		150° 42'	-0.5°	1.4	88° 30'	+23.0	+21.6		601.3	TP	-76+4	+437	1412,935	319,558				
2186	880				3.9	88° 20'	+25.6	+21.7			TP								
	440		325° 48.2' - 80°	-0.5°	+8.9	-		+8.9	610.2		BS	-362+4	+250					unable to locate B.M.	
	440				+11.1	TH	-2.2	+8.9			BS								
2187	220		325° 48.2'	-0.5°	5.3	-		-5.3		604.9		+181	-125	1412,758	319,683				
2188	0				5.3	-		-5.3		604.9	TP	0	0	1412,577	319,808				
2189	220		138° 37'	-0.5°	6.5	-		-6.5		603.7		-164	+147	1412,413	319,955				
2190	440		134° 26'	-0.5°	7.1	-		-7.1		603.1		-305	+317	1412,272	320,125				
2191	660		132° 44'	-0.5°	8.0	-		-8.0		602.2		-444	+489	1412,133	320,297				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-425

Geosource Inc.

DATE 11/18/78	INSTRUMENT MAN G. Coleson	ROD MAN R. Hulsey	PARTY NUMBER 6837	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 181
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			
									610.2									horizontal correction y-20, x-0
2192	880		132°6'	-0.5°	9.0	-		-9.0		601.2		-584	+658	1,411,993	320,466			
	920		131°29'	-0.5°	7.9	-		-8.9		601.3		-602	+695	1,411,975	320,503			1,411,975 (+320,500)
2193	1100		131°49'	-0.5°	9.2	-		-9.2		601.0		-726	+826	1,411,851	320,634			
2194	1320		131°17.9'	-0.5°	8.2	-		-8.2		602.0	TP	-862	+999-4	1,411,715	320,803			
2194	1320				14.8	TH	+6.6	-8.2			TP							
	437		320°44.8'-180°	-0.5°	+4.1	TH	-2.2	+1.9	603.9		BS	-336	+279-4					curve
	437				+5.8	89°30'	-3.8	+2.0			BS							
2195	220		327°49'	-0.5°	2.3	-		-2.3		601.6		+185	-119	1,411,564	320,959			
2196	0				5.3	-		-5.3		598.6	X	0	0	1,411,379	321,078			
2197	220		170°52'	-0.5°	9.4	-		-9.4		594.5		-217	+37	1,411,162	321,115			
2198	440		" "	-0.5°	12.3	-		-12.3		591.6		-434	+74	1,410,945	321,152			
2199	660		" "	-0.5°	12.4	-		-12.4		591.5		-651	+110	1,410,728	321,188			
2200	880		" "	-0.5°	8.5	-		-8.5		595.4		-868	+147	1,410,511	321,225			↑
2201	1100		" "	-0.5°	3.6	-		-3.6		600.3		-1084	+184	1,410,295	321,262			Jacksons Crossroads Quad
2202	1320		" "	-0.5°	5.9	TH	+6.6	+0.7		604.6		-1301	+221	1,410,078	321,299			Celeste Quad
2203	1540		170°52'	-0.5°	6.6	TH	+7.7	+1.1		605.0	TP	-1518	+258-4	1,409,861	321,332			↓
2203	1540				34	89°30'	+4.5	+1.1			TP							
	440		334°30.5'-180°	-0.5°	+0.8	89°	-7.7	-6.9	598.1		BS	-395	+193-3					
	440				+34	88°40'	-10.2	-6.8			BS							
2204	220		327°1'	-0.5°	1.0	-		-1.0		597.1		+183	-121	1,409,649	321,401			

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11/19/78		G. Co. 7 camp		R. Hulsey		6837		G.W.C.		/		182			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Celeste / Tignall		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
									598.1						
2205	0				5.3	-		-5.3		592.8	X	0	0	1,409,466	321,522
2206	220		142° 26.2'	-0.5°	2.9	-		-2.9		595.2		-173	+136	1,409,293	321,658
2207	440		"	-0.5°	3.3	89°	+7.7	+4.4		602.5		-346	+271	1,409,120	321,793
2208	660		142° 25.2'	-0.5°	1.7	89°	+11.5	+9.8		607.9	TP	-520	+407	1,408,946	321,926
2208	660				5.5	88° 40'	+15.4	+9.9			TP				
	878		322° 55.3' -180°	-0.5°	+1.8	-		+1.8	609.7		BS	-696	+535-3		
	878				+6.2	TH	-4.4	+1.8			BS				
2209	660		322° 5'	-0.5°	2.9	-		-2.9	-	606.8		+517	-410	1,408,767	322,048
2210	440		319° 49'	-0.5°	4.5	-		-4.5		605.2		+334	-287	1,408,584	322,171
	286		318° 51'	-0.5°	5.6	-		-5.6		604.1		+209	-186	1,408,459	322,272
2211	220		314° 21'	-0.5°	5.7	-		-5.7		609.0		+152	-159	1,408,402	322,299
2212	0				5.3	-		-5.3		604.4	X	0	0	1,408,250	322,458
2213	220		122° 2.4'	-0.5°	4.7	-		-4.7		605.0		-115	+188	1,408,135	322,646
2214	440		"	-0.5°	2.1	-		-2.1		607.6		-230	+375	1,408,020	322,833
2215	660		"	-0.5°	2.8	TH	+3.3	+0.5		610.2		-345	+563	1,407,905	323,021
2216	880		"	-0.5°	1.8	TH	+4.4	+2.6		612.3		-460	+750	1,407,790	323,208
2217	1100		122° 2.4'	-0.5°	0.6	TH	+5.5	+4.9		614.6	TP	-575+6	+938	1,407,681	323,393
2217	1100				4.7	89° 30'	+9.6	+4.9			TP				
	877		279° 40.5' -180°	-0.5°	+14.5	-		+14.5	629.1		BS	-140+6	+866-3		curve
	877				+10.1	BH	+4.4	+14.5			BS				

(scaled)
1,408,400 + 322,260
7-rd (southwest) el. 604.

↑
Celeste Quad.
Tignall Quad.
↓

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE 11/19/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY GWC	LINE NO. 1	PAGE 183
AREA Georgia	TOPO MAP Tignall	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 TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									629.1										
2218	660		277°10'	-0.5°	11.9	-		-11.9		617.2		+77	-656	1,407,624	323,600				
2219	440		" "	-0.5°	9.2	-		-9.2		619.9		+51	-437	1,407,598	323,819				
2220	220		" "	-0.5°	7.8	-		-7.8		621.3		+26	-219	1,407,573	324,037				
2221	0				5.3	-		-5.3		623.8	TP	0	0	1,407,547	324,256				
2222	220		105°11'	-0.5°	2.1	-		-2.1		627.0		-56	+213	1,407,491	324,469				
2223	440		" "	-0.5°	0.3	TH	+3.2	+1.9		631.0		-112	+426	1,407,435	324,682				
2224	660		" "	-0.5°	6.6	89°	+1.5	+1.3		634.0		-167	+638	1,407,380	324,894				
2225	880		" "	-0.5°	8.6	89°	+1.4	+1.8		635.9		-223	+851	1,407,324	325,107				
2226	1100		" "	-0.5°	8.1	89°	+1.2	+1.1		640.2		-279	+1064	1,407,268	325,320				
2227	1320		105°12'3"	-0.5°	9.7	89°	+2.0	+1.3		642.4	TP	-335+6	+1277-3	1,407,218	325,530				
2227	1320		104°47'		9.8	89°													4-way Intersect
2227	1320				5.8	89°10'	+1.2	+1.4			TP								Town of Tignall
	1100		247 274°38.9'-180°	-0.5°	+1.2	-		+1.2	643.6		BS	-80+6	+1097-3						
	1100				+6.7	TH	+5.5	+1.2			BS								(scaled) 1,407,250+325,520
2227	1098		275°24'	-0.5°	1.4	-		-1.4		642.2		+94	-1094	1,407,238	325,530				4-way Intersect
2228	880		274°38.9'	-0.5°	7.8	-		-7.8		635.8		+64	-878	1,407,208	325,746				
2229	660		" "	-0.5°	13.9	-		-13.9		629.7		+48	-658	1,407,192	325,966				
2230	440		" "	-0.5°	7.3	-		-7.3		636.3		+32	-439	1,407,176	326,185				
2231	220		" "	-0.5°	5.3	-		-5.3		638.3		+16	-219	1,407,160	326,405				
2232	0				5.3	-		-5.3		638.3	TP	0	0	1,407,144	326,624				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
11/19/78		G. Cotcamp		R. Hulsey		6834		G.W.C.		1	184				
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
Georgia		Tignall	Georgia	Wilkes				L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									643.6						
2233	220		94°14'	-0.5°	7.7	-		-7.7		635.9		-14	+220	1,407,130	326,844
2234	440		" "	-0.5°	7.8	-		-7.8		635.8		-29	+439	1,407,115	327,063
2235	660		" "	-0.5°	7.9	-		-7.9		635.7		-43	+659	1,407,101	327,283
2236	880		" "	-0.5°	3.9	-		-3.9		639.7		-57	+878	1,407,087	327,502
2237	1100		92°45.5'	-0.5°	6.7	-		-6.7		636.9	TP	-43+4	+1099-3	1,407,105	327,720
2237	1100				12.2	TH	+5.5	-6.7			TP				
	440		258°33'-180°	-0.5°	+3.3	87°20'	-20.4	-17.1	619.8		BS	+91+4	+430-3		
	440				+2.0	87°30'	-19.2	-17.2			BS				
2238	220		253°56'	-0.5°	1.6	88°-	+7.7	+6.1		625.9		-63	-211	1,407,137	327,936
2239	0				5.3	-		-5.3		614.5	TP	0	0	1,407,200	328,147
2240	220		69°13.4'	-0.5°	11.6	91°-	-3.8	-15.4		604.4		+80	+205	1,407,280	328,352
2241	440		" "	-0.5°	10.1	92°-	-15.3	-25.4		594.4		+160	+410	1,407,360	328,557
2242	660		69°13.4'	-0.5°	14.9	92°-	-23.0	-37.9		581.9	TP	+239	+615	1,407,443	328,759
2242	660				13.0	92°0'	-24.9	-37.9			TP	+4	-3		
	440	439	256°32.7'-180°	-0.5°	+4.2	87°-	-23.0	-18.8	563.1		BS	+106+4	+426-3		
	440				+1.1	87°24'	-19.9	-18.8			BS				
2243	220		256°32.7'	-0.5°	5.3	87°-	+11.5	+6.2		569.3		-53	-214	1,407,500	328,968
2244	0				5.3	-		-5.3		557.8	TP	0	0	1,407,553	329,182
2245	220		86°49'	-0.5°	7.3	-		-7.3		555.8		+14	+220	1,407,567	329,402

4-Way Intersect.

new road.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/19/78		INSTRUMENT MAN G. Cotcamp		ROD MAN R. Hulsey		PARTY NUMBER 6834		NOTES CHECKED BY G.W.C.		LINE NO. 1	PAGE 185					
AREA Georgia		TOPO MAP Tignall		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 - LAT.	EAST + WEST - DEP.	COORDINATES Y X		REMARKS
									563.1							
2246	440		90°6'	-0.5°	1.5	-		-1.5		561.6	TP	+3+4	+440-3	1,407,560	329,619	new road
2246	440				3.7	TH	+2.2	-1.5			TP					
	660		283°6.3'-180°	-0.5°	+13.5	BH	+3.3	+16.8	578.4		BS	-144+4	+644-3			
	660				+14.5	90°12'	+2.3	+13.8			BS					
2247	440		283°6.3'	-0.5°	9.9	-		-9.9		568.5		+96	-429	1,407,516	329,831	
2248	220		"	-0.5°	6.1	-		-6.1		572.3		+48	-215	1,407,468	330,045	✓
	187		287°2'	-0.5°	5.2	-		-5.2		573.2		+53	-179	1,407,473	330,081	Y-intersect
2249	0				5.3	-		-5.3		573.1	π	0	0	1,407,420	330,260	
2250	220		104°31'	-0.5°	8.6	-		-8.6		569.8		-53	+213	1,407,367	330,473	
2251	440			-0.5°	12.8	-		-12.8		565.6		-107	+427	1,407,313	330,687	
2252	660			-0.5°	13.7	-		-13.7		564.7		-160	+640	1,407,260	330,900	
2253	880			-0.5°	10.2	BH	+4.4	-14.6		563.8		-213	+854	1,407,207	331,114	
2254	1100			-0.5°	10.5	BH	-5.5	-16.6		562.4		-266	+1067	1,407,154	331,327	
	1320		104°0.4'	-0.5°	12.0	BH	-2.6	-18.6		559.8		-308	+1283	1,407,112	331,543	driveway (north)
2255	1320		104°31'	-0.5°	7.1	90°30'	-11.5	-18.6		559.8		-320	+1281	1,407,100	331,541	
2256	1540			-0.5°	9.0	90°30'	-13.4	-22.4		556.0		-373	+1494	1,407,047	331,754	
2257	1760		105°14'	-0.5°	11.0	90°30'	-15.4	-26.4		552.0	TP	-448	+1702	1,406,976	331,959	
2257	1760				14.1	90°24'	-12.3	-26.4			TP	+4	-3			
	440		300°17.4'-180°	-0.5°	+4.5	88°40'	-10.2	-5.7	546.3		BS	-219+4	+382			
	440				+1.9	89°-	-7.7	-5.8			BS		-3			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/19/78	INSTRUMENT MAN G. C. C. C.	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 186
AREA Georgia	TOPO MAP Tignall	STATE Georgia	COUNTY Wilkes	TWP	RANGE	PPM
					PARTY MANAGER L.O. Davis	

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									546.3							
2258	220		300°17.4'	-0.5°	2.9	89°	+3.8	+0.9		547.2		+109	-191	1,406,870	332,147	
2259	0				5.3	-		-5.3		541.0	TP	0	0	1,406,761	332,338	(scaled)
	172		122°15'	-0.5°	10.4	-		-10.4		535.9		-91	+146	1,406,670	332,484	Trail (north)
2260	220		125°17.6'	-0.5°	12.1	-		-12.1		534.2		-126	+181	1,406,635	332,519	
2261	440			-0.5°	11.4	91°	-7.7	-19.1		527.2		-251	+361	1,406,510	332,699	
2262	660			-0.5°	2.9	92°	-23.0	-25.9		520.4		-377	+542	1,406,384	332,880	
2263	880			-0.5°	9.2	91°30'	-23.0	-32.2		514.1		-502	+723	1,406,259	333,061	
2264	1100			-0.5°	9.0	91°30'	-28.8	-37.8		508.5		-628	+903	1,406,133	333,241	
2265	1320			-0.5°	8.6	91°30'	-34.5	-43.1		503.2		-753	+1084	1,406,008	333,422	
2266	1540	1539		-0.5°	8.4	91°30'	-40.3	-48.7		497.6		-878	+1264	1,405,883	333,602	
2267	1760	1759		-0.5°	8.4	91°30'	-46.1	-54.5		491.8		-1004	+1445	1,405,757	333,783	
2268	1980	1979		-0.5°	7.0	91°30'	-51.8	-58.8		487.5		-1129	+1625	1,405,632	333,963	
2269	2200	2199	125°17.6'	-0.5°	2.7	91°30'	-57.6	-60.3		486.0	TP	-1255	+1806	1,405,509	334,141	
2269	2200				14.2	91°12'	-46.1	-60.3			TP	+3	-3			
	1760		304°40'-180°	-0.5°	+13.9	91°04'	+32.8	+46.7	532.7		BS	-988+3	+1456			
	1760				+12.9	91°06'	+33.8	+46.7			BS		-3			
2270	1540		304°40'	-0.5°	8.7	91°20'	-35.8	-44.5		488.2		+865	-1274	1,405,389	334,320	
2271	1320			-0.5°	8.6	91°20'	-30.7	-39.3		493.4		+741	-1092	1,405,265	334,502	
2272	1100			-0.5°	11.2	91°10'	-22.4	-33.6		499.1		+618	-910	1,405,142	334,684	
2273	880			-0.5°	12.3	91°	-15.4	-27.7		505.0		+494	-728	1,405,018	334,866	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 11/19/78	INSTRUMENT MAN G. Cotcomp	ROD MAN R. Wisoy	PARTY NUMBER 5834	NOTES CHECKED BY G.W.C.	LINE NO. 1	PAGE 187
AREA Georgia	TOPO MAP Tignell	STATE Georgia	COUNTY Wilkes	TWP	RANGE	PPM
					PARTY MANAGER L. B. Lane	

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									532.7									
2274	660		304°40'	-0.5°	9.6	91°	-11.5	-21.1		511.6		+371	-546	1,404,895	335,048			
2275	440		"	-0.5°	12.0	84°	-2.2	-14.2		518.5		+247	-364	1,404,771	335,230			
2276	220		"	-0.5°	8.5	-		-8.5		524.2		+124	-182	1,404,648	335,412			
2277	0				5.3	-		-5.3		527.4	X	0	0	1,404,524	335,594			
2278	220		124°32'	-0.5°	1.6	-		-1.6		531.1		-123	+182	1,404,401	335,776			
2279	440		"	-0.5°	2.9	89°	+7.7	+4.8		537.5		-246	+365	1,404,278	335,959			
2280	660		"	-0.5°	11.3	88°	+23.0	+11.7		544.4		-369	+547	1,404,155	336,141			
2281	880	879	"	-0.5°	12.5	88°	+30.7	+18.2		550.9		-492	+728	1,404,032	336,322			
2282	1100	1099	"	-0.5°	13.4	88°	+38.9	+25.0		557.7		-615	+911	1,403,909	336,505			
2283	1320	1319	"	-0.5°	13.5	88°	+46.0	+32.5		565.2		-738	+1093	1,403,786	336,687			
2284	1540	1539	123°49.5'	-0.5°	12.9	88°	+53.7	+40.8		573.5	TP	-846	+1286	1,403,681	336,877			
2284	1540				1.3	88°26'	+42.1	+40.8			TP	+3	-3					
	660		298°20.4'-180°	-0.5°	+6.7	-		+6.7	580.2		BS	-308	+584					
	660				+10.0	TH	-3.3	+6.7			BS	+3	-3				(scated) 1,403,595 + 337,050	
≠	465		299°11'	-0.5°	2.1	-		-2.1		578.1		+223	-408	1,403,599	337,050		4-way int.	
2285	440		298°20.9'	-0.5°	1.8	-		-1.8		578.4		+205	-389	1,403,581	337,069		Horiz. corr. y-68', x-69'	
2286	220		"	-0.5°	2.3	-		-2.3		577.9		+103	-195	1,403,479	337,263			
2287	0				5.3	-		-5.3		574.9	X	0	0	1,403,376	337,458			
2288	220		118°16'	-0.5°	8.9	-		-8.9		571.3		-102	+195	1,403,274	337,653		last sta. on pavement	
2289	440		"	-0.5°	12.3	84°	-2.2	-14.5		565.7		-205	+389	1,403,171	337,847			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/19/78		INSTRUMENT MAN G. Cotcamp		ROD MAN R. Hulsey		PARTY NUMBER 6834		NOTES CHECKED BY R.J.H.		LINE NO. 1		PAGE 188			
AREA Georgia		TOPO MAP Tignall		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-	EAST+ WEST-		Y
									580.2						
2290	658		115°54.3'	-0.5°	11.3	91°-	-11.5	-228		557.4	TP	-282	+594	1,403,094	338,050
2290	658				14.0	90°46'	-8.8	-228			TP				
	220		287°18.8'-180°	-0.5°	+2.0	88°-	-7.7	-5.7	551.7		BS	-64	+211-2		
	220				+0.8	88°20'	-6.4	-5.6			BS				
2291	0				5.3	-		-5.3		546.4	X	0	0	1,403,030	338,259
2292	220		123°27.8'	-0.5°	6.2	-		-6.2		545.5	TP	-120	+185	1,402,910	338,442
2292	220				7.3	TH	+1.1	-6.2			TP				
	660		324°13.6'-180°	-0.5°	+9.1	BH	+3.3	+12.4	557.9		BS	-532	+390		
	660				+10.3	90°0'	+1.9	+12.2			BS				
2293	440		324°13.6'	-0.5°	10.3	-		-10.3		547.6		+355	-260	1,402,733	338,570
2294	220			-0.5°	6.1	-		-6.1		551.8		+177	-130	1,402,555	338,700
2295	0				5.3	-		-5.3		552.6	X	0	0	1,402,378	338,830
2296	220		141°10'	-0.5°	8.5	-		-8.5		549.4		-170	+139	1,402,208	338,969
2297	440		136°7'	-0.5°	12.2	-		-12.2		545.7		-314	+308	1,402,064	339,138
2298	660		133°52.3	-0.5°	13.9	BH	-3.3	-17.2		540.7	TP	-453	+480	1,401,925	339,308
2298	660				14.9	90°12'	-2.3	-17.2			TP				
	440		309°11.2'-180°	-0.5°	+4.6	88°-	-15.3	-10.7	530.0		BS	-275	+343		
	440				+0.8	88°30'	-11.5	-10.7			BS				
2299	220		309°11.2'	-0.5°	1.0	89°-	+3.8	+2.8		532.8		+138	-172	1,401,788	339,477
2300	0				5.3	-		-5.3		524.7	X	0	0	1,401,650	339,649

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
11/20/78		G. Catcamp		R. Hulsey		6834		R. J. H.		/		189		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Tignall		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.	
									530.0					
2301	220		134°17'	-0.5°	120	91°-	-3.8	-15.8		514.2		-152	+159	1,401,498 339,808
2302	438		134°17'	-0.5°	143	91°20'	-10.2	-24.5		505.5	TP	-303	+316	1,401,347 339,963
2302	438				130	91°30'	-11.5	-24.5			TP		-2	TP opposite sta.
	224		312°1'-180°	-0.5°	+2.9	88°-	-7.8	-4.9	500.6		BS	-148	+168	
	224				+0.4	88°40'	-5.2	-4.8			BS		-2	
2303	0				5.3	-		-5.3		495.3	π	0	0	1,401,199 340,129
H	210		145°39'	-0.5°	142	91°-	-3.7	-17.9		482.7		-172	+120	1,401,027 340,249 bridge
2304	220		147°33'	-0.5°	139	91°-	-3.8	-17.7		482.9	TP	-184	+121-2	1,401,015 340,248
2304	220				148	90°46'	-2.9	-17.7			TP			
	880	879	341°47'-180°	-0.5°	+11.7	92°-	+30.7	+42.4	525.3		BS	-833	+282	
	880				+14.8	91°48'	+27.6	+42.4			BS		-2	
2305	660		340°27'	-0.5°	7.1	92°-	-23.0	-30.1		495.2		+620	-226	1,400,802 340,302
2306	440		" "	-0.5°	9.8	92°-	-15.3	-25.1		500.2		+413	-151	1,400,595 340,377
2307	220		" "	-0.5°	11.4	92°-	-7.7	-19.1		506.2		+207	-75	1,400,389 340,453
2308	0				5.3	-		-5.3		520.0	π	0	0	1,400,182 340,528
2309	220		157°31'	-0.5°	0.6	-		-0.6		524.7		-203	+86	1,399,979 340,614
2310	440		152°41'	-0.5°	1.3	89°-	+7.7	+6.4		531.7	TP	-389	+205	1,399,793 340,731
2310	440		1°		0.6	89°06'	+6.7	+6.3			TP		-2	
	880		327°38.2'-180°	-0.5°	+13.9	91°-	+15.4	+29.3	561.0		BS	-739	+478	
	880				+15.0	90°56'	+14.3	+29.3			BS		-2	

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
11/20/78		S. Cotcamp		R. Hulsey		6834		R. J. H.				190		
AREA		TOPO MAP		STATE		COUNTY		RANGE		TWP		PARTY MANAGER		
Georgia		Tignall		Georgia		Wilkes						L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									561.0					
2311	660		327° 38.2'	-0.5°	8.8	91° 30'	-17.3	-26.1		534.9		+554	-358	1,399,608 340,849
2312	440		"	-0.5°	12.7	91°	-7.7	-20.4		540.6		+370	-239	1,399,424 340,968
2313	220		"	-0.5°	11.2	-		-11.2		549.8		+185	-119	1,399,239 341,088
2314	0				5.3	-		-5.3		555.7	TP	0	0	1,399,054 341,207
2315	220		148° 8'	-0.5°	5.1	-		-5.1		555.9		-186	+118	1,398,868 341,325
2316	440		"	-0.5°	1.0	-		-1.0		560.0		-372	+236	1,398,682 341,443
2317	660		"	-0.5°	3.2	TH	+3.3	+0.1		561.1		-557	+353	1,398,497 341,560
2318	880		149° -	-0.5°	3.7	TH	+4.4	+0.7		561.7	TP	-750	+460	1,398,304 341,665
2318	880				4.4	89° 40'	+5.1	+0.7			TP			
	220		345° 40.4' -180°	-0.5°	+7.3	-		+7.3	569.0		BS	-213	+56-2	
	220				+8.4	TH	-1.1	+7.3			BS			
2319	0				5.3	-		-5.3		563.7	TP	0	0	1,398,091 341,719
2320	220		181° 14'	-0.5°	0.3	-		-0.3		568.7		-220	-3	1,397,811 341,716
2320	320		180° -	-0.5°	2.6	TH	+1.6	+1.0		570.0		-320	+3	1,397,771 341,722 f rail (east)
2321	440		181° 14'	-0.5°	5.0	89°	+7.7	+2.7		571.7		-440	-6	1,397,651 341,713
2322	660		"	-0.5°	12.6	89° 30'	+5.8	-6.8		562.2		-660	-8	1,397,431 341,711
2323	880		181° 14'	-0.5°	16.5	89° 38'	+5.6	-10.9		558.1		-880	-11	1,397,211 341,708 5' high rod
2324	1100		180° 24.5'	-0.5°	15.0	89° 37'	+7.4	-7.6		561.4	TP	-1100	+2-2	1,396,991 341,719
2324	1100				14.7	89° 38'	+7.0	-7.7			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				
11/20/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		191				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Tignall		Georgia		Wilkes								L. O. Davis		
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
2324										561.4						
	440		345° 41.5' - 180°	-0.5°	+9.9	-		+9.9	571.3		BS	-425	+112-1			
	440				+12.1	74	-2.2	+9.9		BS						
2325	220		340° 42'	-0.5°	5.7	-		-5.7		565.6		+207	-75	1,396,773	341,755	
2326	0				5.3	-		-5.3		566.0	π	0	0	1,396,566	341,830	
2327	220		157° 50'	-0.5°	1.9	-		-1.9		569.4		-203	+85	1,396,363	341,915	
	425		154° 59'	-0.5°	0.2	89°	+7.4	+7.2		578.5		-384	+183	1,396,182	342,013	T-intersect
2328	438		159° 25.4'	-0.5°	3.8	88° 30'	+11.5	+7.7		579.0	TP	-409	+158	1,396,157	341,988	
2328	438				1.3	88° 50'	+8.9	+7.6			TP					
	440		27° 17.4' + 180°	-0.5°	+1.8	89° 30'	-3.8	-2.0	577.0		BS	-393	-198			
	440				+3.0	89° 20'	-5.1	-2.1			BS					
2329	220		27° 17.4'	-0.5°	2.8	89°	+3.8	+1.0		578.0		+196	+99	1,395,960	341,889	
2330	0				5.3	-		-5.3		571.7	π	0	0	1,395,764	341,790	
⊕	71		196° 47'	-0.5°	5.1	-		-5.1		571.9		-68	-20	1,395,696	341,770	(scaled) 1,395,700 + 341,770
2331	183		166° 48'	-0.6°	7.0	-		-7.0		570.0	TP	-178	+44	1,395,586	341,834	4-Way Intersect Horiz. Corr. y=0, x=31'
2331	183				7.9	71	7.9	-7.0			TP					
	2420		324° 18.5' - 180°	-0.6°	+7.2	71	-12.1	-4.9	565.1		BS	-1950	+1432			
	2420				+9.2	89° 40'	-14.1	-4.9			BS					
2332	2200		324° 18.5'	-0.6°	0.3	-		-0.3		564.8		+1773	-1302	1,395,409	341,967	
2333	1980		"	-0.6°	5.9	-		-5.9		559.2		+1596	-1172	1,395,232	342,094	
2334	1760		"	-0.6°	9.8	-		-9.8		555.3		+1419	-1042	1,395,055	342,224	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
11/20/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1	192					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
Georgia		Tignall		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
									565.1							
2335	1540		324°18.5'	-0.6°	10.6	-		-10.6		554.5		+1241	-912	1394,877	342,354	
2336	1320		"	-0.6°	9.7	-		-9.7		555.4		+1064	-781	1394,700	342,485	
2337	1100		"	-0.6°	8.8	-		-8.8		556.3		+887	-651	1394,502	342,615	
2338	890		324°55'	-0.6°	7.9	-		-7.9		557.2		+723	-519	1394,359	342,747	Trail (west)
2338	880		324°18.5'	-0.6°	7.9	-		-7.9		557.2		+709	-521	1394,315	342,745	
2339	660		"	-0.6°	6.8	-		-6.8		558.3		+532	-391	1394,168	342,875	
2340	440		"	-0.6°	6.0	-		-6.0		559.1		+355	-260	1393,991	343,006	
2341	220		"	-0.6°	5.2	-		-5.2		559.9		+177	-130	1393,813	343,136	
2342	0		"		5.3	-		-5.2		559.8	X	0	0	1393,636	343,266	
2343	220		139°4'	-0.6°	7.1	-		-7.1		558.0		-165	+146	1393,971	343,412	
2344	440		"	-0.6°	8.8	-		-8.8		556.3		-329	+292	1393,307	343,558	
2345	660		137°7'	-0.6°	10.7	-		-10.7		554.4		-479	+454	1393,157	343,720	
2346	880		135°49'	-0.6°	12.8	-		-12.8		552.3		-625	+620	1393,011	343,886	
2347	1100		133°43.5'	-0.6°	14.3	-		-14.3		550.8	TP	-752	+803	1392,884	344,069	
2347	1100				8.8	014	8.5	-14.3			TP					
	879		299°20'-180°	-0.6°	+6.0	-		+0.0	550.8		BS	-423	+771			
	879				+4.4	TH	-4.4	+0.0			BS					
2348	660		297°29'	-0.6°	1.8	-		-1.8		549.0		+298	-589	1392,759	344,251	
2349	440		296°2'	-0.6°	3.2	-		-3.2		547.6		+189	-397	1392,650	344,443	
2350	220		"	-0.6°	4.3	-		-4.3		546.5		+94	-199	1392,555	344,641	

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

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DATE: 11/21/78 INSTRUMENT MAN: G. Cotcamp ROD MAN: R. Hulsey PARTY NUMBER: 6234 NOTES CHECKED BY: R. J. H. LINE NO.: 1 PAGE: 193

AREA: Georgia TOPO MAP: Tignall 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 & TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									550.8					
2351	0				5.3 6.2	-		-5.3		545.5	π	0	0	1,392,461 344,840
2352	220		109°45.2'	-0.6°	6.8	-		-6.8		544.0		-72	+208	1,392,389 345,048
2353	440			-0.6°	7.8	-		-7.8		543.0		-144	+416	1,392,317 345,256
2354	660			-0.6°	7.7	-		-7.7		543.1		-217	+623	1,392,244 345,463
2355	880			-0.6°	6.9	-		-6.9		543.9		-289	+831	1,392,172 345,671
2356	1100			-0.6°	5.7	-		-5.7		545.1		-361	+1039	1,392,100 345,879
2357	1320			-0.6°	4.1	-		-4.1		546.7		-433	+1247	1,392,028 346,087
2358	1540		109°	-0.6°	3.9	-		-3.9		546.9		-505	+1455	1,391,956 346,295
2359	1760			-0.6°	6.0	-		-6.0		544.8		-577	+1663	1,391,884 346,503
2360	1980			-0.6°	10.2	-		-10.2		540.6	TP	-650	+1870	1,391,811 346,710
2360	1980		109°45.2'		13.7	89°54'	+3.5	-10.2			TP			
	660		292°53.7'-180°	-0.6°	+2.5	TH	-3.3	-0.8	539.8		BS	-250	+611	
	660				+3.0	89°40'	-3.8	-0.8			BS			
2361	440		293°46'	-0.6°	4.8	-		-4.8		535.0		+173	-405	1,391,734 346,916
2362	220			-0.6°	7.3	-		-7.3		532.5		+87	-202	1,391,648 347,119
2363	0				5.3	-		-5.3		534.5	π	0	0	1,391,561 347,321
2364	124		119°42'	-0.6°	2.7	-		-2.7		537.1		-51	+113	1,391,510 347,434 Driveway (north)
2364	220		121°23'	-0.6°	1.6	-		-1.6		538.2		-113	+189	1,391,448 347,510
2365	440			-0.6°	0.2	-		-0.2		539.6		-225	+378	1,391,336 347,699
2366	660			-0.6°	1.0	-		-1.0		538.8		-338	+567	1,391,223 347,888

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/21/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY P. J. H.	LINE NO. 1	PAGE 194
AREA Georgia	TOPO MAP Tignall	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
									539.8						
2367	880		121°23'	-0.6°	27	-		-2.7		537.1		-450	+756	1,391,111	348,077
2368	1097		119°47'	-0.6°	64	-		-6.4		533.4	TP	-535	+958	1,391,026	348,279
2368	1097				119	TH	+5.5	-6.4			TP				
	1760		287°21'180°	-0.6°	59	TH	-8.8	-2.9	530.5		BS	-498	+1688		
	1760				53	89°44'	-8.2	-2.9			BS				
2369	1540		286°10'	-0.6°	72	TH	+7.7	+0.5		531.0		+413	-1484	1,390,941	348,483
2370	1320		285°56'	-0.6°	77	TH	+6.6	-1.1		529.4		+349	-1273	1,390,877	348,694
2371	1100			-0.6°	22	-		-2.2		528.3		+291	-1061	1,390,819	348,906
2372	880			-0.6°	31	-		-3.1		527.4		+233	-849	1,390,761	349,118
2373	660			-0.6°	36	-		-3.6		526.9		+175	-637	1,390,703	349,330
2374	440			-0.6°	44	-		-4.4		526.1		+116	-424	1,390,644	349,543
2375	220			-0.6°	51	-		-5.1		525.4		+58	-212	1,390,586	349,755
2376	0				53	-		-5.3		525.2	TP	0	0	1,390,528	349,967
2377	220		111°51'	-0.6°	39	-		-3.9		526.6		-80	+205	1,390,448	350,172
2378	440			-0.6°	10	-		-1.0		529.5		-159	+410	1,390,369	350,377
2379	660			-0.6°	14	TH	+3.3	+1.9		532.4		-239	+615	1,390,289	350,582
2380	880			-0.6°	10.4	89°	+15.4	+5.0		535.5		-319	+820	1,390,209	350,787
2381	1100		113°123'	-0.6°	34	89°30'	+9.6	+6.2		536.7		-423	+1015	1,390,105	350,982
2382	1320		113°123'	-0.6°	11.9	89°20'	+15.4	+3.5		534.0	TP	-507	+1219	1,390,021	351,186
2382	1320				8.1	89°30'	+11.5	+3.4			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

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DATE 11/21/78	INSTRUMENT MAN G. Catcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 195
AREA Georgia	TOPO MAP Signal	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			
2282										534.0								
	1100	1099	296°25.9'-180°	-0.6°	+3.8	87°30'	-41.6	-37.8	496.3	-37.7	BS	-479	+989					
	1100				+7.1	87°40'	-44.7	-37.6			BS							
2283	880	879	296°25.9'	-0.6°	4.1	87°40'	+35.8	+31.7		528.0		+383	-791	1,389,925	351,384			
2284	660																	
✓	770	769	297°31'	-0.6°	3.6	87°40'	+31.3	+27.7		524.0		+348	-686	1,389,890	351,489		Trd (north)	
2284	660		296°25.9'	-0.6°	0.2	88°	+23.0	+22.8		519.1		+288	-594	1,389,830	351,581			
2285	440			-0.6°	2.3	88°	+15.3	+13.0		509.3		+192	-396	1,389,734	351,779			
2286	220			-0.6°	3.6	88°	+7.7	+4.1		500.4		+96	-198	1,389,638	351,977			
2287	0				5.3	-		-5.3		491.0	X	0	0	1,389,542	352,175			
2288	220		122°3'	-0.6°	10.4	91°	-3.8	-14.2		482.1		-115	+188	1,389,427	352,363			
2289	440			-0.6°	13.4	91°	-7.7	-21.1		475.2		-230	+375	1,389,312	352,550			
2290	660		123°24.8'	-0.6°	14.2	91°	-11.5	-25.7		470.6	TP	-358	+555	1,389,184	352,730			
2290	660				13.4	91°09'	-12.3	-25.7			TP							
	660		309°53.9'-180°	-0.6°	+2.9	-		+2.9	473.5		BS	-418	+511					
	660				+6.2	TH	-3.3	+2.9			BS							
2291	440		309°53.9'	-0.6°	6.0	-		-6.0		467.5		+279	-340	1,389,045	352,901			
✓	300		313°46'	-0.6°	6.4	-		-6.4		467.1		+205	-219	1,388,971	353,022		driveway (north)	
2292	220		309°53.9'	-0.6°	6.8	-		-6.8		466.7		+139	-170	1,388,905	353,071			
2293	0				5.3	-		-5.3		468.2	X	0	0	1,388,766	353,241			
2294	220		135°47.5'	-0.6°	3.5	-		-3.5		470.0		-56	+155	1,388,610	353,396			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11/21/78		G. Cotcamp		R. Hulsey		6834		R.J.H.		1		196			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Dissell		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 & TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									473.5						
2395	440		135°47.5'	-0.6°	2.1	-		-2.1		471.4		-312	+310	1,388,454	353,551
2396	660		'	-0.6°	1.9	-		-1.9		471.6		-468	+465	1,388,298	353,706
2397	880		'	-0.6°	3.7	-		-3.7		469.8		-624	+620	1,388,142	353,861
2398	1100		135°47.5'	-0.6°	8.2	-		-8.2		465.3	TP	-780	+775	1,387,986	354,016
2398	1100				13.7	TH	+5.5	-8.2			TP				
	1760		317°15.4'-180°	-0.6°	+2.5	89°30'	-15.4	-12.9	4524		BS	-1280	+1208		
	1760				+7.5	89°20'	-20.5	-13.0			BS				
2399	1540		317°15.4'	-0.6°	0.7	TH	+7.7	+7.0		459.4		+1120	-1057	1,387,826	354,167
2400	1320		'	-0.6°	6.4	TH	+6.6	+0.2		452.6		+960	-906	1,387,666	354,318
2401	1100		'	-0.6°	5.1	-		-5.1		447.3		+800	-755	1,387,506	354,469
2402	880		'	-0.6°	6.8	-		-6.8		445.6		+640	-604	1,387,346	354,620
2403	660		'	-0.6°	5.8	-		-5.8		446.6		+480	-453	1,387,186	354,771
2404	440		'	-0.6°	4.1	-		-4.1		448.3		+320	-302	1,387,026	354,922
2405	220		'	-0.6°	3.4	-		-3.4		449.0		+160	-151	1,386,866	355,073
2405	196		320°38'	-0.6°	3.4	-		-3.4		449.0		+150	-126	1,386,856	355,098
fence corner	140		300°43'	-0.6°	9.1	-		-9.1		443.3		+70	-71	1,386,776	355,103
2406	0				5.3	-		-5.3		447.1	TP	0	0	1,386,706	355,224
2407	220		137°13.4'	-0.7°	9.8	-		-9.8		442.6		-160	+151	1,386,546	355,375
2408	440		'	-0.7°	12.8	BH	-2.2	-15.0		437.4		-319	+303	1,386,387	355,527
2409	660		'	-0.7°	8.8	91°	-11.5	-20.3		432.1		-479	+454	1,386,227	355,678

T-rod north
fence corner (old road) red

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/21/78	INSTRUMENT MAN S. Catcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 197
AREA Georgia	TOPO MAP Tignali	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			
									452.4									
2410	880		137°13.4'	-0.7°	10.3	91°-	-15.4	-25.7		426.7		-639	+605	1,384,067	355,829			
2411	1100		"	-0.7°	12.3	91°-	-19.2	-31.5		420.9		-798	+757	1,385,908	355,981			
2412	1320		"	-0.7°	7.8	91°20'	-30.7	-38.5		413.9		-958	+908	1,385,748	356,132			
2413	1540		"	-0.7°	10.9	91°20'	-35.8	-46.7		405.7		-1118	+1060	1,385,588	356,284			
2414	1760	1759	137°13.4'	-0.7°	10.6	91°30'	-46.1	-56.7		395.7	TP	-1276	+1210	1,385,430	356,434			
2414	1760				14.7	91°22'	-42.0	-56.7			TP							
	440		315°8.7'-180°	-0.7°	+2.8	88°-	-15.3	-12.5	383.2		BS	-308	+314					
	440				+1.5	88°10'	-14.1	-12.6			BS							
2415	220		315°8.7'	-0.7°	4.7	-	-	-4.7		378.5		+154	-157	1,385,276	356,591			
2416	0				5.3	-	-	-5.3		377.9	TP	0	0	1,385,122	356,748			
2417	220		125°24'	-0.7°	11.0	-	-	-11.0		372.2		-125	+181	1,384,997	356,929			
2418	440		119°49.5'	-0.7°	12.9	-	-	-12.9		370.3	TP	-214	+384	1,384,908	357,132			
2418	440				10.7	BH	-2.2	-12.9			TP							
	1320		282°11'-180°	-0.7°	+13.5	-	-	+13.5	383.8		BS	-263	+1294					
	1320				-6.9	BH	+6.6	+13.5			BS							
2419	1100		281°10'	-0.7°	13.8	-	-	-13.8		370.0		+200	-1082	1,384,845	357,344			
2420	880		"	-0.7°	10.3	BH	-4.4	-14.7		369.1		+160	-865	1,384,805	357,561			
2421	660		"	-0.7°	11.1	BH	-3.3	-14.4		369.4		+120	-649	1,384,765	357,777			
≡	452		283°10'	-0.7°	13.8	-	-	-13.8		370.0		+98	-441	1,384,743	357,985	bridge		
2422	440		281°10'	-0.7°	13.8	-	-	-13.8		370.0		+80	-433	1,384,725	357,993			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445'

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11/21/78		G. Cotcamp		R. Hulsey		6834		R. J. H.		1		198			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Tignall		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
									383.8						
2423	220		281°10'	-0.7°	10.9	-		-10.9		372.9		+40	-216	1,384,685	358,210
2424	0				5.3	-		-5.3		378.5	TP	0	0	1,384,645	358,426
2425	220		110°2'	-0.7°	5.2	88°-	+7.7	+2.5		386.3		-73	+208	1,384,572	358,634
2426	440		113°34'	-0.7°	5.3	88°-	+15.3	+10.0		393.8	TP	-171	+405	1,384,474	358,831
2426	440				1.0	88°34'	+11.0	+10.0			TP				
	440		311°41'-180°	-0.7°	+11.3	91°	+7.7	+19.0	412.8		BS	-289	+332		
	440				+14.4	90°36'	+4.6	+19.0			BS				
2427	220		313°55'	-0.7°	11.6	-		-11.6		401.2		+151	-160	1,384,336	359,003
2428	0				5.3	-		-5.3		407.5	TP	0	0	1,384,185	359,163
2429	220		137°9'	-0.7°	0.2	-		-0.2		412.6		-159	+152	1,384,026	359,315
2430	440			-0.7°	5.2	89°-	+7.7	+2.5		415.3		-319	+303	1,383,866	359,466
2431	660			-0.7°	6.8	89°-	+11.5	+4.7		417.5		-478	+455	1,383,707	359,618
2431	720		136°29'	-0.7°	6.5	89°-	+12.6	+6.1		418.9	TP	-516	+502	1,383,669	359,665
2432	880		138°14'	-0.7°	8.1	89°-	+15.4	+7.3		420.1	TP	-649	+594	1,383,536	359,757
2432	880				4.5	89°14'	+11.8	+7.3			TP				
	660		331°7'-180°	-0.7°	+13.2	8H	+3.3	+16.5	436.6		BS	-574	+326		
	660				+14.5	90°10'	+1.9	+16.4			BS				
2433	440		332°50°	-0.7°	13.8	-		-13.8		422.8		+389	-206	1,383,351	359,877
2434	220		334°55'	-0.7°	10.7	-		-10.7		425.9		+198	-96	1,383,160	359,987
2435	0				5.3	-		-5.3		431.3	TP	0	0	1,382,962	360,083

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11/21/78		G. Co. Camp		R. Hulsey		6834		R. J. H.		1		199			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Tignall/Measville		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
									436.6						
2436	220		158° 0'	-0.7°	21	89°	+3.8	+1.7		438.3		-203	+85	1,382,759	360,168
2437	440		'	-0.7°	5.3	88°	+15.3	+9.0		445.6		-406	+170	1,382,556	360,253
2438	660		'	-0.7°	7.0	88°	+23.0	+16.0		452.6		-609	+255	1,382,353	360,338
2439	880	879	'	-0.7°	7.3	88°	+30.7	+23.4		460.0		-811	+339	1,382,151	360,422
2440	1100	1099	'	-0.7°	9.6	88°	+38.4	+28.8		465.4		-1014	+424	1,381,948	360,507
2441	1320	1319	158° 57'	-0.7°	14.7	88°	+46.0	+31.3		467.9	TP	-1225	+489	1,381,737	360,572
2441	1320				7.1	88° 20'	+38.4	+31.3			TP				
	2200		348° 5.2' - 180°	-0.7°	+14.3	BH	+11.0	+25.3			BS	-2147	+480		
	2200				+13.9	90° 18'	+11.5	+25.4	493.3		BS				
2442	1980		348° 20'	-0.7°	9.0	90° 30'	-17.3	-26.3		467.0		+1934	-424	1,381,524	360,628
2443	1760		"	-0.7°	13.7	90° 30'	-15.4	-29.1		464.2		+1719	-377	1,381,309	360,675
2444	1540		'	-0.7°	5.4	91°	-26.9	-32.3		461.0		+1504	-330	1,381,094	360,722
2445	1320		'	-0.7°	11.4	91°	-23.0	-34.4		458.9		+1289	-283	1,380,879	360,769
2446	1100		'	-0.7°	13.6	91°	-19.2	-32.8		460.5		+1074	-236	1,380,664	360,816
2447	880		'	-0.7°	11.2	91°	-15.4	-26.6		466.7		+860	-188	1,380,450	360,864
2448	660		'	-0.7°	14.1	BH	-3.3	-17.4		475.9		+645	-141	1,380,235	360,911
2449	440		'	-0.7°	10.3	-		-10.3		483.0		+430	-94	1,380,020	360,958
2450	220		'	-0.7°	6.7	-		-6.7		486.6		+215	-47	1,379,805	361,005
2451	0				5.3	-		-5.3		488.0	π	0	0	1,379,590	361,052
2452	220		163° 34'	-0.7°	8.2	-		-8.2		485.1		-210	+65	1,379,380	361,117

↑
Tignall Quad
Measville Quad
↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445,

Geosource Inc.

DATE 11/28/78	INSTRUMENT MAN G. Cotcamp	ROD MAN R. Hulsey	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 200 of 224
AREA Georgia	TOPO MAP Metasville	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.	
									493.3					
2453	440		161° 17'	-0.7°	11.7	-		-11.7		481.6		-415	+146	1,319,175 361,198
2454	660		159° 16'	-0.7°	11.5	8H	-3.3	-14.8		478.5		-614	+241	1,318,976 361,293
2455	878		156° 53.9'	-0.7°	13.2	8H	-4.4	-17.6		475.7	TP	-803	+354	1,318,787 361,406
2455	878				14.5	90° 12'	-3.1	-17.6			TP			
	2200		323° 3.3' - 180°	-0.7°	+13.2	90° 40'	+25.6	+38.8	514.5		BS	-1742	+1344	
	2200				+14.5	90° 38'	+24.3	+38.8			BS			
2456	1780		322° 31'	-0.7°	12.1	90° 50'	-28.8	-40.9		473.6		+1556	-1224	1,378,601 361,526
2457	1760			-0.7°	11.7	91° -	-30.7	-42.4		472.1		+1383	-1088	1,378,428 361,662
2458	1540			-0.7°	11.7	91° 10'	-31.4	-43.1		471.4		+1210	-952	1,378,255 361,798
2459	1320			-0.7°	8.3	91° 30'	-34.5	-42.8		471.7		+1038	-816	1,378,083 361,934
2460	1100			-0.7°	11.0	91° 30'	-28.8	-39.8		474.7		+865	-680	1,377,910 362,070
2461	880			-0.7°	9.8	91° 30'	-23.0	-32.8		481.7		+692	-544	1,377,737 362,206
2462	660			-0.7°	7.9	91° 30'	-17.3	-25.2		489.3		+519	-408	1,377,564 362,342
2463	440			-0.7°	13.7	90° 30'	-3.8	-17.5		497.0		+346	-272	1,377,391 362,478
2464	220			-0.7°	10.1	-		-10.1		504.4		+173	-136	1,377,218 362,614
2465	0				5.3	-		-5.3		509.2	π	0	0	1,377,045 362,750
2466	220		142° 26'	-0.7°	3.2	-		-3.2		511.3		-173	+136	1,376,872 362,886
2467	440			-0.7°	4.1	-		-4.1		510.4		-345	+273	1,376,700 363,023
2468	660			-0.7°	5.2	-		-5.2		509.3		-518	+409	1,376,527 363,159
2469	880			-0.7°	6.8	-		-6.8		507.7		-691	+545	1,376,354 363,295

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-443

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11/28/78		G. Cottramp		R. Hulsey		6834		R. J. H.		1		202			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Metacville		Georgia		Wilkes								L. D. Brown	
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
									556.2						
2486	880		143°41.2'	-0.7°	6.3	89°	+15.4	+9.1	+9.0	565.2	TP	-703	+530	1,373,338	365,507
2486	880				1.3	89°20'	+10.2	+8.9			TP				
	1760		318°16'-180°	-0.7°	+8.3	-		+8.3	573.6	+8.4	BS	-1299	+1188		
	1760				+13.6	89°50'	-5.1	+8.5			BS				
2487	1540		317°58'	-0.7°	7.2	-		-7.2		566.4		+1131	-1045	1,373,170	365,650
	1450		318°23'	-0.7°	7.6	-		-7.6		566.0		+1072	-976	1,373,111	365,719
2488	1320		317°58'	-0.7°	9.0	-		-9.0		564.6		+970	-896	1,373,009	365,799
2489	1100		" "	-0.7°	12.0	-		-12.0		561.6		+808	-746	1,372,847	365,949
2490	880		" "	-0.7°	10.7	BH	-4.4	-15.1		558.5		+646	-597	1,372,685	366,098
2491	660		" "	-0.7°	12.0	BH	-3.3	-15.3		558.3		+485	-448	1,372,524	366,247
	620		319°4'	-0.7°	15.0	-		-15.0		558.6		+463	-412	1,372,502	366,283
2492	440		317°58'	-0.7°	12.9	-		-12.9		560.7		+323	-299	1,372,362	366,396
2493	220		" "	-0.7°	9.2	-		-9.2		564.4		+162	-149	1,372,201	366,546
2494	0		" "		5.3	-		-5.3		568.3	π	0	0	1,372,039	366,695
2495	220		137°40'	-0.7°	1.9	-		-1.9		571.7		-161	+150	1,371,878	366,845
2496	440		" "	-0.7°	0.2	-		-0.2		573.4		-322	+300	1,371,717	366,995
2497	660		" "	-0.7°	1.9	-		-1.9		571.7		-482	+450	1,371,557	367,145
2498	882		138°20'	-0.7°	9.6	TH	+4.4	-5.2		568.4	TP	-652	+594	1,371,387	367,289
2498	882		" "		7.8	89°50'	+2.6	-5.2			TP				

Trail (cont. from last)

power line

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
11/28/78		G. Catcamp		R. F. Ussey		1503		R. J. H.				203			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Metosville		Georgia		Wilkes									
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.		Y
2498										568.4					
	1100		329°41'3"-180°	-0.7°	+4.3	TH	-5.5	-1.2	567.2		BS	-933	+583		
	1100				+5.2	89°40'	-6.4	-1.2			BS				
2499	880		329°39'	-0.7°	24	-	-2.4		564.8			+754	-454	1,371,208	367,418
2500	600		330°30'	-0.7°	59	-	-5.9		561.3			+569	-334	1,371,023	367,538
2501	440		332°2'	-0.7°	78	-	-7.8		559.4			+386	-211	1,370,840	367,661
2501	308		336°6'	-0.7°	78	-	-7.8		559.4			+280	-128	1,370,734	367,744
2501	237		319°49'	-0.7°	140	88°20'	+6.9	-7.1	560.1			+179	-155	1,370,633	367,717
2502	300		327°23'	-0.7°	67	-	-6.9		560.3			+184	-121	1,370,638	367,757
2503	0				0.3	-	-5.3		561.9			0	0	1,370,454	367,872
2504	220		147°27.6'	-0.95°	2.5	-	-2.5		564.7			-183	+121	1,370,271	367,993
2505	410		"	-0.95°	0.9	-	-0.9		566.3			-367	+243	1,370,097	368,115
2506	660		"	-0.95°	2.9	TH	+3.3	+0.4	567.6			-550	+364	1,369,904	368,236
2507	800		"	-0.95°	2.2	TH	+4.4	+2.2	569.4			-734	+486	1,369,720	368,358
2508	1100		"	-0.95°	1.1	TH	+5.5	+4.4	571.6			-917	+607	1,369,537	368,479
2509	1320		"	-0.95°	8.3	89°20'	+15.4	+7.1	574.3			-1101	+728	1,369,353	368,600
2510	1540		"	-0.95°	8.9	89°20'	+17.9	+9.0	576.2			-1284	+850	1,369,170	368,722
2511	1760		147°27.6'	-0.95°	9.6	89°20'	+20.5	+10.9	578.1		TP	-1468	+971+2	1,368,986	368,845
2511	1760				4.5	89°30'	+15.4	+10.9			TP				
	1100		327° 7.1'-180°	-0.95°	+11.0	BH	+5.5	+16.5	594.6		BS	-914	+612+2		
	1100				+13.3	90°10'	+3.2	+16.5			BS				

1,370,735 + 367,750
4-way int. RT

BM E1. 561

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE 11/29/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 204
AREA Georgia	TOPO MAP Metasville	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
2511									594.6							
2512	880		327° 7.1'	-0.95°	9.4	BH	-4.4	-13.8		580.8		+731	-490	1,368,803	368,969	
2513	660		" "	-0.95°	8.6	BH	-3.3	-11.9		582.7		+548	-367	1,368,620	369,092	
2514	440		" "	-0.95°	9.8	-		-9.8		584.8		+365	-245	1,368,437	369,214	
IF	296		327° 53'	-0.95°	7.8	-		-7.8		586.8		+248	-162	1,368,320	369,297	4-way El. 586
2515	220		327° 7.1'	-0.95°	6.7	-		-6.7		587.9		+183	-122	1,368,255	369,337	
2516	0				5.4	-		-5.4		589.2	TP	0	0	1,368,072	369,459	
2517	220		140° 18.1'	-0.95°	7.9	-		-7.9		586.7		-167	+143	1,367,905	369,602	
2518	440		" "	-0.95°	11.9	-		-11.9		582.7		-334	+287	1,367,738	369,746	
2519	660		" "	-0.95°	12.0	BH	-3.3	-15.3		579.3		-501	+430	1,367,571	369,889	
2520	880		" "	-0.95°	11.5	90°30'	-7.7	-19.2		575.4		-668	+573	1,367,404	370,032	
2521	700		" "	-0.95°	12.8	90°30'	-9.6	-22.4		572.2		-835	+717	1,367,237	370,176	
2522	1320		140° 18.1'	-0.95°	2.0	"	-23.0	-25.0		569.6	TP	-1002	+860+2	1,367,070	370,321	
2522	1320				5.8	90°50'	-19.2	-25.0			TP					
	440		327° 30.2-180°	-0.95°	+0.6	-		+0.6	570.2		BS	-367	+243+2			
	440				+2.8	TH	-2.2	+0.6			BS					
IF	398		329° 21.3'	-0.95°	0.4	-		-0.4		569.8		+339	-209	1,367,092	370,357	4-int.(north)
2523	220		327° 5'	-0.95°	2.3	-		-2.3		567.9		+187	-116	1,366,890	370,450	
2524	0				5.3	-		-5.3		564.9	TP	0	0	1,366,703	370,566	
2525	270		154° 44'	-0.95°	6.8	-		-6.8		563.4		-197	+97	1,366,506	370,663	

SURVEY NOTES - HIGH RESOLUTION DATA

Geosource Inc.

DATE: 11/29/78
 INSTRUMENT MAN: R. Hulsey
 ROD MAN: G. Cotcamp
 PARTY NUMBER: 6834
 NOTES CHECKED BY: R.J.H.
 LINE NO.: 1
 PAGE: 205
 AREA: Georgia
 TOPO MAP: Metasville/Aonia
 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			
									570.2									
2526	440		156° 34.4	-0.95°	8.7	-		-8.7		561.5	TP	-401	+182+2	1,366,302	370,750			
2526	440				6.5	BH	-2.2	-8.7			TP							
	440		346° 51'-180°	-0.95°	+1.7	-		+1.7			BS	-427	+107+2					
	440				+3.8	TH	-2.2	+1.6	563.1		BS							
2527	220		348° 52'	-0.95°	3.0	-		-3.0		560.1		+215	-46	1,366,090	370,813			
2528	0				5.3	-		-5.3		557.8	TP	0	0	1,365,875	370,859			
2529	220		173° 9.5'	-0.95°	7.0	-		-7.0		556.1		-218	+30	1,365,657	370,889			
2530	440		" "	-0.95°	8.8	-		-8.8		554.3		-436	+60	1,365,439	370,919			
2531	660		" "	-0.95°	10.0	-		-10.0		553.1		-654	+89	1,365,221	370,948			
2532	880		" "	-0.95°	11.1	-		-11.1		552.0		-872	+119	1,365,003	370,978			
2533	1100		173° 9.5'	-0.95°	12.4	-		-12.4		550.7	TP	-1090	+149+2	1,364,785	371,010			
2533	1100				6.9	BH	-5.5	-12.4			TP							
	1320		340° 36.1'-180°	-0.95°	+7.5	-		+7.5			BS	-1238	+459+1					
	1320				+0.8	BH	+6.6	+7.4	558.1		BS							
2534	1100		339° 31'	-0.95°	8.5	-		-8.5		549.6		+1024	-402	1,364,571	371,068			↑
2535	880		339° 17'	-0.95°	9.0	-		-9.0		549.1		+818	-325	1,364,365	371,145			Metasville Quad
2536	660		338° 32'	-0.95°	8.9	-		-8.9		549.2		+610	-252	1,364,151	371,218			Aonia Quad
2537	440		338° 5'	-0.95°	7.9	-		-7.9		550.2		+405	-171	1,363,952	371,299			↓
2538	220		" "	-0.95°	6.8	-		-6.8		551.3		+203	-85	1,363,750	371,385			
2539	0				5.3	-		-5.3		552.8	TP	0	0	1,363,547	371,470			

HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1/29/78		R. Hulsey		G. Co. comp.		0834		R. J. H.		1		206			
TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER			
Georgia		Georgia		Wilkes								L. O. Lewis			
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
									558.1						
2540	220		149° 48'	-0.95°	2.7	-	-2.7		555.4			-188	+114	1,363,359 371,584	Curve
2541	438		145° 47'	-0.95°	1.0	-	-1.0		557.1	TP		-358	+252+1	1,363,189 371,723	
2541	438				3.1	TH	+2.2	-0.9			TP				
	880		316° 38.1'	-0.95°	+12.4	-	+12.4		569.5		BS	-630	+615+1		
	880				+8.0	BH	+4.4	+12.4			BS				
2542	660		316° 38.1'	-0.95°	9.9	-	-9.9		559.6			+472	-461	1,363,031 371,878	
2543	440		" "	-0.95°	7.3	-	-7.3		562.2			+315	-307	1,362,874 372,032	
2544	220		316° 38.1'	-0.95°	5.6	-	-5.6		563.9			+157	-154	1,362,716 372,185	
2545	0				5.3	-	-5.3		564.2	TP		0	0	1,362,559 372,339	
2546	220		138° 35.7'	-0.95°	6.4	-	-6.4		563.1			-163	+148	1,362,396 372,487	
2547	440		" "	-0.95°	7.4	-	-7.4		562.1			-325	+296	1,362,234 372,635	
2547	620		136° 53.5'	-0.95°	8.1	-	-8.1		561.4			-446	+431	1,362,113 372,770	T-rd. (east)
2548	660		138° 35.7'	-0.95°	8.6	-	-8.6		560.9			-488	+445	1,362,071 372,784	
2549	880		" "	-0.95°	11.0	-	-11.0		558.5			-650	+593	1,361,909 372,932	
2550	1100		138° 35.7'	-0.95°	14.3	-	-14.3				TP	-813	+741+1	1,361,746 373,081	
2550	1100				8.9	BH	-5.5	-14.4		555.1	TP				
	1320		322° 56.5'	-0.95°	+3.5	TH	-6.6	-3.1	552.0		BS	-1040	+813+1		
	1320				+0.9	89° 50'	-3.8	-2.9			BS				
2551	1100		322° 56.5'	-0.95°	6.5	89° 50'	+3.2	-3.3		548.7		+867	-677	1,361,573 373,218	
2552	880		" "	-0.95°	0.3	-	-0.3		551.7			+693	-542	1,361,399 373,353	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-345

Geosource Inc.

DATE 11/29/18	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 207
AREA Georgia	TORO MAP Aonia 7.5'	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
									552.0						
2553	660		322° 56.5'	-0.95°	1.0	-		-1.0		551.0		+520	-406	1,361,226 373,489	Horiz. corr. - 4-0' - 5-19'
2554	440		" "	-0.95°	1.7	-		-1.7		550.3		+347	-271	1,361,053 373,624	(scaled) 1,360,920 + 373,750
FF	255		326° 25'	-0.95°	2.2	-		-2.2		549.8		+210	-145	1,360,916 373,750	T-rd. El. 549'
2555	220		322° 56.5'	-0.95°	3.0	-		-3.0		549.0		+173	-135	1,360,879 373,760	(southwest)
2556	0				5.3	-		-5.3		546.7	T	0	0	1,360,706 373,895	
2557	220		143° 56.6'	-0.85°	7.5	-		-7.5		544.5		-176	+132	1,360,530 374,027	
2558	440		" "	-0.85°	10.0	-		-10.0		542.0		-352	+265	1,360,354 374,160	
2559	660		" "	-0.85°	12.7	-		-12.7		539.3		-528	+396	1,360,178 374,291	
2560	880		143° 56.6'	-0.85°	9.8	90° 24'	-6.1	-15.9		536.3	TP	-704-1	+528-2	1,360,001 374,421	
2560	880				8.8	90° 26'	-6.7	-15.5			TP				
	660		329° 49.7'-180	-0.85°	10.8	TH	-3.3	-2.5	533.8		BS	-565-1	+341-2		
	660				11.3	89° 40'	-3.8	-2.5			BS				
2561	440		329° 49.7'	-0.85°	0.5	-		-0.5		533.3		+377	-227	1,359,812 374,533	
2562	220		" "	-0.85°	3.1	-		-3.1		530.7		+189	-113	1,359,624 374,647	
2563	0				5.3	-		-5.3		528.5	T	0	0	1,359,435 374,760	
2564	220		155° 21'	-0.85°	7.3	-		-7.3		526.5		-199	+95	1,359,236 374,855	
2565	440		155° 30'	-0.85°	7.8	-		-7.8		526.0		-398	+188	1,359,037 374,948	
2566	660		" "	-0.85°	6.5	-		-6.5		527.3		-596	+283	1,358,839 375,043	
2567	880		156° 13'	-0.85°	4.3	-		-4.3		529.5	TP	-800-1	+367-2	1,358,634 375,125	
2567	880				8.7	TH	+4.4	-4.3			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/30/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 208
AREA Georgia	TOPO MAP Aonia 7.5'	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.	
2567										529.5				
	440		341° 29.9' - 180	-0.85°	+0.3	-		+0.3	529.8		BS	-415-1	+146-2	
	440				+2.5	TH	-2.2	+0.3		BS				
2568	220		339° 14'	-0.85°	1.0	-		-1.0	528.8			+205	-81	1,358,423 375,188
2569	0				5.4	-		-5.4	524.4	T	O	O		1,358,218 375,269
2570	220		147° 2'	-0.85°	11.8	91°	-3.8	-15.6	514.2			-183	+122	1,358,035 375,391
2571	439		143° 44.6'	-0.85°	14.3	92° 10'	-16.6	-30.9	498.9	TP		-350-1	+265-2	1,357,867 375,532
2571	439				13.0	92° 20'	-17.9	-30.9		TP				
	880		312° 7.9' - 180°	-0.85°	+6.2	-		+6.2	505.1	BS		-581-1	+661-2	
	880				+1.8	BH	+4.4	+6.2		BS				
2572	660		312° 7.9'	-0.85°	6.1	91°	-11.5	-17.6	487.5			+435	-496	1,357,720 375,695
2573	440		" "	-0.85°	11.8	91°	-7.7	-19.5	485.6			+290	-331	1,357,575 375,860
2574	220		" "	-0.85°	8.0	91°	-3.8	-11.8	493.3			+145	-165	1,357,430 376,026
2575														
IF	78		320° 5'	-0.85°	6.4	-		-6.4	498.7			+59	-51	1,357,394 376,140
2575	0				5.4	-		-5.4	499.7	T	O	O		1,357,285 376,191
2576	220		126° 9.7'	-0.85°	11.2	-		-11.2	493.9			-127	+180	1,357,158 376,371
2577	440		" "	-0.85°	7.5	92°	-15.3	-22.8	482.3			-254	+359	1,357,031 376,550
2578	660		" "	-0.85°	8.9	91° 30'	-17.3	-26.2	478.9			-381	+539	1,356,904 376,730
2579	880		" "	-0.85°	6.8	91°	-15.4	-22.2	482.9			-509	+718	1,356,776 376,909

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/30/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R.J.H.	LINE NO. 1	PAGE 209
AREA Georgia	TOPO MAP Aonia 7.5'	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.	
2579									505.1					
2580	1100		126° 9.7'	-0.85	10.7	BH	-5.5	-16.2		488.9	TP	-636	+898-2	1,356,649 377,087
2580	1100				6.6	90° 30'	-9.6	-16.2			TP			
	660		293° 13.3'-180	-0.85	14.4	91° 30'	+17.3	+31.7	520.6		BS	-251	+610-2	
	660				+13.3	91° 36'	+18.4	+31.7			BS			
2581	440		290° 43'	-0.85	12.1	91° 50'	-14.1	-26.2		494.4		+150	-414	1,356,548 377,281
2582	220		289° -	-0.85	13.3	91° -	-3.8	-17.1		503.5		+69	-209	1,356,467 377,486
2583	0				5.3	-		-5.3		515.3	TP	0	0	1,356,398 377,695
2584	220		101° 16'	-0.85	1.0	88° 30'	+5.8	+4.8		525.4		-40	+216	1,356,358 377,911
2585	440		99° 48'	-0.85	2.4	88° -	+15.3	+12.9		533.5		-68	+435	1,356,330 378,130
	650		98° 39.6'	-0.85	0.7	88° -	+22.7	+22.0		542.6	-	-88	+644	1,356,310 378,339 Offset 4-way
2586	660		99° 20.6'	-0.85	1.0	88° -	+23.0	+22.0		542.6	TP	-97	+653-2	1,356,301 378,346 R#47
2586	660				2.9	87° 50'	+24.9	+22.0			TP			
	210		282° 29.7'-180	-0.85	14.4	87° 42'	-8.4	+6.0	548.6		BS	-42	+206-2	
	210				+12.0	88° 20'	-6.1	+5.9			BS			
2587	0				5.4	-		-5.4		543.2	TP	0	0	1,356,259 378,550
2588	220		131° 15.4'	-0.85	9.8	-		-9.8		538.8		-143	+168	1,356,116 378,718
2589	440		" "	-0.85	10.0	91° -	-7.7	-17.7		530.9		-285	+335	1,355,974 378,885
2590	660		131° 15.4'	-0.85	14.3	91° -	-11.5	-25.8		522.8	TP	-428	+503-2	1,355,831 379,051
2590	660				4.8	91° 50'	-21.1	-25.9			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/30/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R.V.H.	LINE NO. 1	PAGE 210
AREA Georgia	TOPO MAP Aonia 7.5'	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.	
2590										522.8				
	1100		306° 48.6'	-0.85°	+3.2	TH	-5.5	-2.3	520.5		BS	-646	+890-2	
	1100				+0.9	89°56'	-3.2	-2.3			BS			
2591	880		306° 48.6'	-0.85°	5.4	-		-5.4		515.1		+517	-712	1,355,702 379,227
2592	660		" "	-0.85°	7.5	-		-7.5		513.0		+388	-534	1,355,573 379,405
2593	440		" "	-0.85°	5.8	-		-5.8		514.7		+258	-356	1,355,443 379,583
2594	220		" "	-0.85°	2.9	-		-2.9		517.6		+129	-178	1,355,314 379,761
2595	0				5.4	-		-5.4		515.1	TP	0	0	1,355,185 379,939
2596	220		126° 37'	-0.85°	13.0	-		-13.0		507.5		-129	+179	1,355,056 380,118
2597	440		" "	-0.85°	13.0	91°	-7.7	-20.7		499.8		-257	+357	1,354,928 380,296
2598	660		" "	-0.85°	13.3	91°	-11.5	-24.8		495.7		-386	+536	1,354,799 380,475
2599	880		128° 31.2'	-0.85°	11.8	90°50'	-12.8	-24.6		495.9	TP	-538	+697-2	1,354,647 380,634
2599	880				9.2	91°	-15.4	-24.6			TP			
	440		322° 31.4'-180°	-0.85°	+5.3	-		+5.3	501.2		BS	-345	+273-2	
	440				+7.5	TH	-2.2	+5.3			BS			
2600	432		324° 2.3'	-0.85°	4.6	-		-4.6		496.6		+346	-259	1,354,648 380,649 Trail (NE)
2600	220		326° 1'	-0.85°	3.5	-		-3.5		497.7		+181	-126	1,354,483 380,779
2601	0				5.4	-		-5.4		495.8	TP	0	0	1,354,302 380,905
2602	220		151° 8'	-0.85°	6.6	-		-6.6		494.6		-191	+109	1,354,111 381,014
2603	440		151° 8'	-0.85°	8.4	-		-8.4		492.8		-382	+218	1,353,920 381,123
2604	660		151° 43'	-0.85°	9.8	-		-9.8		491.4		-577	+321	1,353,725 381,226

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/30/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R. H.	LINE NO. 1	PAGE 211
AREA Georgia	TOPO MAP Aonia	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.	
									501.2					
2605	880		153° 38.1'	-0.85°	8.0	-		-8.0		493.2		-783	+402	1,353,519 381,307
2606	1100		153° 38.1'	-0.85°	1.6	-		-1.6		499.6	TP	-978	+503-2	1,353,324 381,406
2606	1100				7.2	TH	+5.5	-1.7			TP			
	440		345° 33'-180	-0.85°	+15.0	90°30'	+3.8	+18.8	518.4		BS	-424	+116-2	
	440				+13.8	90°40'	+5.1	+18.9			BS			
2607	220		349° 14'	-0.85°	8.8	90°50'	-3.2	-12.0		506.4	r	+215	-44	1,353,115 381,476
2608	0				5.4	-		-5.4		513.0	π	0	0	1,352,900 381,520
2609	220		174° 3'	-0.85°	0.0	TH	+1.1	+1.1		519.5		-218	+26	1,352,682 381,546
2610	440		" "	-0.85°	1.2	89°40'	+2.6	+1.4		519.8		-437	+52	1,352,463 381,572
2611	660		" "	-0.85°	6.5	89°20'	+7.7	+1.2		519.6		-655	+78	1,352,245 381,598
2612	880		174° 31"	-0.85°	10.0	89°20'	+10.2	+0.2		518.6		-875	+97	1,352,025 381,617
2613	1100		" "	-0.85°	10.3	89°20'	+12.8	+2.5		520.9		-1092	+130	1,351,808 381,650
2614	1320		" "	-0.85°	9.2	89°20'	+15.4	+6.2		524.6		-1312	+146	1,351,588 381,666
2615	1540		174° 11.3'	-0.85°	8.0	89°20'	+17.9	+9.9		528.3		-1530	+179	1,351,370 381,699
2616	1760		" "	-0.85°	7.0	89°20'	+20.5	+13.5		531.9		-1748	+204	1,351,152 381,724
2617	1980		174° 11.3'	-0.85°	6.1	89°20'	+23.0	+16.9		535.3	TP	-1967	+230-2	1,350,933 381,748
2617	1980				3.8	89°24'	+20.7	+16.9			TP			
	658		338° 28.2'-180°	-0.85°	+1.9	-		+1.9	537.2		BS	-608	+251-2	
	658				+5.2	TH	-3.3	+1.9			BS			
2618	440		333° 43'	-0.85°	1.4	-		-1.4		535.8		+392	-201	1,350,717 381,796 Curve

SRVEY NOTES-HIGH RESOLUTION DATA

LEO-445

Geosource Inc.

DATE 11/30/78	INSTRUMENT MAN R. Hulse	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R.H.	LINE NO. 1	PAGE 212
AREA Georgia	TOPO MAP Aonia	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.	
									537.2					
2619	220		333° 43'	-0.85	3.8	-		-3.8		533.4		+196	-100	1,350,521 381,897
2620	0				5.4	-		-5.4		531.8	TP	0	0	1,350,325 381,997
2621	178		142° 34'	-0.85	7.7	-		-7.7		529.5		-140	+110	1,350,185 382,107
2621	220		143° 12'	-0.85	8.0	-		-8.0		529.2		-174	+134	1,350,151 382,131
2622	440		" "	-0.85	10.5	-		-10.5		526.7		-348	+269	1,349,977 382,266
2623	660		" "	-0.85	12.4	-		-12.4		524.8		-523	+403	1,349,802 382,400
2624	880		" "	-0.85	12.4	-		-12.4		524.8		-697	+538	1,349,628 382,535
2625	1100		" "	-0.85	11.1	-		-11.1		526.1		-871	+672	1,349,454 382,669
2626	1320		" "	-0.85	9.6	-		-9.6		527.6		-1045	+806	1,349,280 382,803
2627	1540		143° 12'	-0.85	8.4	-		-8.4		528.8	TP	-1218	+941-2	1,349,107 382,936
2627	1540				0.8	BH	-7.7	-8.5			TP			
	659		313° 40.2' 180°	-0.85	+5.6	-		+5.6	534.4		BS	-448	+483-2	
	659				+8.9	TH	-3.3	+5.6			BS			
2628	440		311° 23'	-0.85	5.1	-		-5.1		529.3		+286	-334	1,348,945 383,083
2629	220		309° 19'	-0.85	5.0	-		-5.0		529.4		+137	-172	1,348,796 383,245
2630	0				5.4	-		-5.4		529.0	TP	0	0	1,348,659 383,417
2631	220		124° 39'	-0.85	7.7	-		-7.7		526.7		-122	+183	1,348,537 383,600
2632	440		" "	-0.85	9.4	-		-9.4		525.0		-245	+366	1,348,414 383,783
2633	570		124° 38.6'	-0.85	10.4	-		-10.4		524.0		-317	+474	1,348,342 383,891
2633	660		124° 39'	-0.85	11.3	-		-11.3		523.1		-367	+548	1,348,292 383,965

1,350,175 + 382,110
Driveway (west)

Horiz. Corr. - y-6', x-20'
y-int. El. 524
(west)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 11/30/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R. H.	LINE NO. 1	PAGE 213
AREA Georgia	TOPO MAP Aonia	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.	
									534.4					
2634	880		124° 39'	-85°	13.5	-		-13.5		520.9		-490	+731	1,348,169 384,148
2635	1100		124° 39'	-85°	10.8	BH	-5.5	-16.3		518.1		-612	+914	1,348,047 384,331
2636	1320		126° 32.3'	-85°	12.4	BH	-6.6	-19.0		515.4	TP	-770	+1022.1	1,347,889 384,488
2636	1320				7.5	90°30'	-11.5	-19.0			TP			
	1100		318° 41.3'-180°	-85°	+14.6	-		+14.6	530.0		BS	-815	+738.2	
	1100				+9.2	BH	+5.5	+14.7			BS			
2637	880		319° 41'	-85°	10.0	BH	-4.4	-14.4		515.6		+662	-579	1,347,736 384,645
2638	660		" "	-85°	11.7	-		-11.7		518.3		+497	-434	1,347,571 384,790
2639	440		" "	-85°	8.0	-		-8.0		522.0		+331	-290	1,347,405 384,934
2640	220		" "	-85°	5.9	-		-5.9		524.1		+166	-145	1,347,240 385,079
2641	0				5.4	-		-5.4		524.6	TP	0	0	1,347,074 385,224
2642	220		139° 37.7'	-85°	9.4	-		-9.4		520.6		-165	+145	1,346,909 385,369
2643	250		136° 30.3'	-85°	10.0	-		-10.0		520.0	-	-179	+175	1,346,895 385,399
2643	440		139° 37.7'	-85°	12.6	BH	-2.2	-14.8		515.2		-331	+290	1,346,743 385,514
2644	660		" "	-85°	8.9°	91°	-11.5	-20.4		509.6		-496	+435	1,346,578 385,659
2645	880		" "	-85°	10.9	91°	-15.4	-26.3		503.7		-662	+580	1,346,412 385,804
2646	1100		" "	-85°	11.5	91°	-19.2	-30.7		499.3		-827	+725	1,346,247 385,949
2647	1320		" "	-85°	9.2	91°	-23.0	-32.2		497.8		-993	+870	1,346,081 386,094
2648	1540		" "	-85°	4.0	91°	-26.9	-30.9		499.1		-1158	+1015	1,345,916 386,239
2649														

Trail (SW) E1.520
(southwest)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12/1/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R. H.	LINE NO. 1	PAGE 214
AREA Georgia	TOPO MAP Aonia	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.	
									530.0					
2649	1760		139° 37.7'	-85°	11.2	90° 30'	-15.4	-26.6		503.4	TP	-1324	+1160.2	1,345,750 386,382
2649	1760				6.1	90° 40'	-20.5	-26.6			TP			
	660		334° 22.8'-180°	-85°	+4.7	91°	+11.5	+16.2	519.6		BS	-591	+294.2	
	660				+10.5	90° 30'	+5.8	+16.3			BS			
2650	440		336° 56'	-85°	12.6	-	-	-12.6		507.0		+402	-178	1,345,561 386,496 Curve
2651	220		340° 36'	-85°	8.6	-	-	-8.6		511.0		+206	-76	1,345,365 386,598
2652	0				5.4	-	-	-5.4		514.2	TP	0	0	1,345,159 386,674
2653	220		116° 40' 32'	-85°	2.0	-	-	-2.0		517.6		-211	+62	1,344,948 386,736
2654	440		" "	-85°	0.0	TH	+2.2	+2.2		521.8		-422	+124	1,344,737 386,798
	635		163° 34.4'	-85°	5.1	89°	+11.1	+6.0		525.6		-606	+189	1,344,553 386,863 4-int. El. 526
2655	660		164° 32'	-85°	4.6	89°	+11.5	+6.9		526.5		-633	+185	1,344,526 386,859 (south)
2656	880		163° 14.6'	-85°	2.5	89° 20'	+10.2	+7.7		527.3	TP	-839	+266.2	1,344,320 386,938
2656	880				5.0	89° 10'	+12.8	+7.8			TP			
	658		326° 16.5'-180°	-85°	+0.1	89° 30'	-5.7	-5.6	521.6	-5.7	BS	-542	+373.2	
	658				+1.9	89° 20'	-7.7	-5.8			BS			
2657	440		323° 28°	-85°	0.1	89° 40'	+2.6	+2.5		524.1		+350	-267	1,344,128 387,042 Curve
2658	220		320° 45'	-85°	2.1	-	-	-2.1		519.5		+168	-142	1,343,946 387,167
2659	0				5.4	-	-	-5.4		516.2	TP	0	0	1,343,778 387,309
2660	220		131° 46'	-85°	10.1	-	-	-10.1		511.5		-144	+166	1,343,634 387,475
2661	440		" "	-85°	12.0	BH	-2.2	-14.2		507.4		-288	+332	1,343,490 387,641

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

720
720
54

Geosource Inc.

DATE 12/1/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R.H.	LINE NO. 1	PAGE 215
AREA Georgia	TOPO MAP Aonia	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
									521.6						
2662	660		131° 46'	-85°	12.3	90°30'	-5.8	-18.1		503.5		-432	+499	1,343,346	387,808
2663	880		" "	-85°	12.9	90°30'	-7.7	-20.6		501.0		-576	+665	1,343,202	387,974
2664	1100		" "	-85°	13.2	90°30'	-9.6	-22.8		498.8		-720	+831	1,343,058	388,140
2665	1320		" "	-85°	13.3	90°30'	-11.5	-24.8		496.8		-865	+997	1,342,913	388,306
2666	1450		131° 21'	-85°	13.5	90°30'	-12.7	-26.2		495.4		-942	+1103	1,342,836	388,412
2666	1540		131° 46'	-85°	9.5	90°40'	-17.9	-27.4		494.2		-1009	+1164	1,342,769	388,473
2667	1760		131° 46'	-85°	9.0	90°40'	-20.5	-29.5		492.1	TP	-1153	+1330-2	1,342,625	388,637
2667	1760				4.0	90°50'	-25.6	-29.6			TP				
	1540		312° 21.6'-180°	-85°	+10.8	BH	+7.7	+18.5	510.6		BS	-1021	+1153-2		
	1540				+5.1	90°30'	+13.4	+18.5			BS				
2668	1320		312° 21.6'	-85°	12.8	BH	-6.6	-19.4		491.2		+875	-988	1,342,479	388,800
2669	1100		" "	-85°	13.0	BH	-5.5	-18.5		492.1		+729	-824	1,342,333	388,964
2670	880		" "	-85°	11.5	BH	-4.4	-15.9		494.7		+583	-659	1,342,187	389,129
2671	660		" "	-85°	13.0	-	-	-13.0		497.6		+437	-494	1,342,041	389,294
2672	440		" "	-85°	10.0	-	-	-10.0		500.6		+292	-329	1,341,896	389,459
2673	220		" "	-85°	7.1	-	-	-7.1		503.5		+196	-165	1,341,750	389,623
2674	0				5.4	-	-	-5.4		505.2	TP	0	0	1,341,604	389,788
2675	220		128° -	-85°	8.8	-	-	-8.8		501.8		-133	+175	1,341,471	389,963
2676	440		125° 51'	-85°	11.1	-	-	-11.1		499.5		-252	+360	1,341,352	390,148

4-int. El. 495
(WEST)

CURVE

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12/1/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R. H.	LINE NO. 1	PAGE 216
AREA Georgia	TOPO MAP Aonia 7.5'	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.	
									510.6					
2677	659		123° 13.1'	-85°	8.6	-		-8.6		502.0	TP	-353	+557.2	1341,251 390,343
2677	659				11.9	TH	+3.3	-8.6			TP			
	1100		286° 7'-180°	-85°	+13.2	BH	+5.5	+18.7	520.7		BS	-290	+1061.2	
	1100				+12.3	90°20'	+6.4	+18.7			BS			
2678	880		285° 10'	-85°	11.0	BH	-4.4	-15.4		505.3		+218	-853	1341,179 390,549
2678	878		285° 54'	-85°	11.4	BH	-4.4	-15.8		504.9		+228	-848	1341,189 390,554 Trail (S) El. 505
2679	660		285° 10'	-85°	12.3	-		-12.3		508.4		+163	-640	1341,124 390,762
2680	440		" "	-85°	8.5	-		-8.5		512.2		+109	-426	1341,070 390,976
2681	220		" "	-85°	5.9	-		-5.9		514.8		+54	-213	1341,015 391,189
2682	0				5.4	-		-5.4		515.3	T	0	0	1340,961 391,402
2683	220		100° 53.3'	-85°	8.0	-		-8.0		512.7		-38	+217	1340,923 391,619
2684	440		" "	-85°	11.5	-		-11.5		509.2		-77	+433	1340,884 391,835
2685	660		" "	-85°	11.7	BH	-3.3	-15.0		505.7		-115	+650	1340,846 392,052
2686	880		" "	-85°	8.4	90°40'	-10.2	-18.6		502.1		-153	+867	1340,808 392,269
2687	1100		" "	-85°	9.0	90°40'	-12.8	-21.8		498.9		-192	+1083	1340,769 392,485
2687	1235		100° 27.2'	-85°	8.5	90°40'	-14.4	-22.9		497.8		-206	+1218	1340,755 392,620 T-rd. El. 498 (south)
2688	1320		100° 53.3'	-85°	11.5	90°30'	-11.5	-23.0		497.7		-230	+1300	1340,731 392,702
2689	1540		" "	-85°	8.9	90°30'	-13.4	-22.3		498.4		-268	+1516	1340,693 392,918
2690	1760		" "	-85°	12.2	BH	-8.8	-21.0		499.7		-307	+1733	1340,654 393,135
2691	1980		" "	-85°	10.3	BH	-9.9	-20.2		500.5		-345	+1950	1340,616 393,352

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
12/1/78		R. Hulsey		G. Cotcamp		6834		R. J. H.		1		217		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Aonia 7.5'		Georgia		Wilkes/Lincoln						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.	
									520.7					
2692	2200		100° 53.3'	-0.85°	10.0	BH	-11.0	-21.0	-21.1	499.6	TP	-383	+2166	1,340,578 393,568
2692	2200				14.8	90° 10'	-6.4	-21.2			TP			
	1980		282° 2.3'-180°	-0.85°	+4.6	TH	-9.9	-5.3	494.3		BS	-384	+1942	
	1980				+6.2	89° 40'	-11.5	-5.3			BS			
2693	1760		282° 2.3'	-0.85°	5.0	TH	+8.8	+3.8		498.1		+342	-1727	1,340,536 393,783
2694	1540		" "	-0.85°	5.9	TH	+7.7	+1.8		496.1		+299	-1511	1,340,493 393,999
2695	1320		" "	-0.85°	2.8	-		-2.8		491.5		+256	-1295	1,340,450 394,215
2696	1100		" "	-0.85°	9.9	-		-9.9		484.4		+213	-1079	1,340,407 394,431
2697	880		" "	-0.85°	11.3	-		-11.3		483.0		+171	-863	1,340,365 394,647
2698	660		" "	-0.85°	13.5	-		-13.5		480.8		+128	-647	1,340,322 394,863 ↑
2699	440		" "	-0.85°	13.3	-		-13.3		481.0		+85	-432	1,340,279 395,078 Wilkes Co.
2700	220		" "	-0.85°	8.9	-		-8.9		485.4		+43	-216	1,340,237 395,294 Lincoln Co.
2701	0				5.4	-		-5.4		488.9	TP	0	0	1,340,194 395,510 ↓
2702	220		92° 2'	-0.85°	4.1	-		-4.1		490.2		-5	+220	1,340,189 395,730 S-Curve
2703	440		89° 58'	-0.85°	4.2	-		-4.2		490.1		+7	+440	1,340,201 395,950
2704	660		89° 1'	-0.85°	2.6	-		-2.6		491.7		+21	+660	1,340,215 396,170
2705	878		90° 35.1'	-0.85°	4.4	TH	+4.4	-0.0		494.3	TP	+4	+878	1,340,198 396,388
2705	878				5.2	89° 40'	+5.1	-0.1			TP			
	220		292° 35.5'-180°	-0.85°	+7.2	-		+7.2	501.5		BS	-81	+204	
	220				+8.3	TH	-1.1	+7.2			BS			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-245

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12/2/78		R. Hulsey		G. Cotcamp		6834		R. J. H.		1		218			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Aonia/Woodtown		Georgia		Lincoln								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
2705									501.5						
≡	172		297° 54.1'	-0.85°	5.7	-		-5.7		495.8	—	+78	-153	1,340,195	396,439 T-rd.
BM	150		315° 16.5'	-0.85°	4.9	-		-4.9		496.6	—	+105	-107	1,340,222	396,485 BM approx.
2706	0				5.4	-		-5.4		496.1	π	0	0	1,340,117	396,592 location, El. 497
2707	220		124° 46'	-0.85°	3.7	-		-3.7		497.8		-123	+183	1,339,994	396,775
2708	440		127° 16'	-0.85°	2.8	-		-2.8		498.7		-261	+354	1,339,856	396,946
2709	660		" "	-0.85°	2.1	-		-2.1		499.4		-392	+531	1,339,725	397,123
2710	880		" "	-0.85°	1.2	-		-1.2		500.3		-522	+708	1,339,595	397,300 Curve
2711	1098		127° 34.2'	-0.85°	2.1	-		-2.1		499.4	TP	-656	+880	1,339,461	397,472
2711	1098				7.5	TH	+5.5	-2.0			TP				
	1320		317° 52.9'-180°	-0.85°	4.1	89°	-23.0	-18.9	480.5		BS	-966	+900		
	1320				+2.6	89°04'	-21.5	-18.9			BS				
2712	1100		317° 52.9'	-0.85°	5.2	89°	+19.2	+14.0		494.5		+805	-750	1,339,300	397,622
2713	880		" "	-0.85°	6.5	89°26'	+10.2	+9.7		490.2		+644	-600	1,339,139	397,772
≡	760		313° 4'	-0.85°	1.5	89°26'	+8.8	+7.3		487.8	—	+558	-516	1,339,053	397,856 T-rd. El. 488
2714	660		317° 52.9'	-0.85°	0.2	89°30'	+5.8	+5.6		486.1		+483	-450	1,338,978	397,922
2715	440		" "	-0.85°	2.0	89°30'	+3.8	+1.8		482.3		+322	-300	1,338,817	398,072
2716	220		" "	-0.85°	1.9	-		-1.9		478.6		+161	-150	1,338,656	398,222
2717	0				5.4	-		-5.4		475.1	π	0	0	1,338,495	398,372 ↑
2718	220		137° 55'	-0.7°	8.8	-		-8.8		471.7		-161	+149	1,338,334	398,521 Aonia Quad
2719	440		" "	-0.7°	11.6	-		-11.6		468.9		-323	+299	1,338,172	398,671 Woodtown Quad. ↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12/2/78	INSTRUMENT MAN R. Fulsey	ROD MAN S. Co'camp	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 7	PAGE 219
AREA Georgia	TOPO MAP Woodlawn 7.5'	STATE Georgia	COUNTY Lincoln	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
									480.5				1,338,495	398,372	
2720	660		137° 55'	-0.7°	12.5	-		-12.5		468.0		-484	+448	1,338,011	398,820
2721	880		134° 46.6'	-0.7°	13.4	-		-13.4		467.1	TP	-612	+632	1,337,883	399,004
2722	880				9.0	BH	-4.4	-13.4			TP				
	1100		289° 58.7'-180°	-0.7°	+0.8	-		+0.8	467.9		BS	-363	+1038		
	1100				+6.3	TH	-5.5	+0.8			BS				
2722	880		288° 41'	-0.7°	2.0	-		-2.0		465.9		+272	-837	1,337,792	399,205
2723	660		" "	-0.7°	3.0	-		-3.0		464.9		+204	-628	1,337,724	399,414
2724	440		" "	-0.7°	4.1	-		-4.1		463.8		+136	-419	1,337,656	399,623
2725	220		" "	-0.7°	5.5	-		-5.5		462.4		+68	-209	1,337,588	399,833
2726	0				5.4	-		-5.4		462.5	T	0	0	1,337,520	400,042
2727	220		109° 50.6'	-0.7°	5.1	-		-5.1		462.8		-72	+208	1,337,448	400,250
2728	440		" "	-0.7°	5.9	-		-5.9		462.0		-144	+416	1,337,376	400,458
2729	660		" "	-0.7°	7.4	-		-7.4		460.5		-216	+624	1,337,304	400,666
2730	880		109° 50.6'	-0.7°	7.9	-		-7.9		460.0	TP	-289	+831	1,337,231	400,873
2730	880				3.5	BH	-4.4	-7.9			TP				
	880		271° 24.1'-180°	-0.7°	+2.5	TH	-4.4	-1.9	458.1		BS	-11	+880		
	880				+3.3	89° 40'	-5.1	-1.8			BS				
2731	660		269° 25'	-0.7°	0.3	-		-0.3		457.8		-15	-660	1,337,205	401,093
2732	440		" "	-0.7°	2.9	-		-2.9		455.2		-10	-440	1,337,210	401,313
2733	220		" "	-0.7°	5.5	-		-5.5		452.6		-5	-220	1,337,215	401,533

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-245

Geosource Inc.

DATE 12/2/78	INSTRUMENT MAN R. Hylsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R. J. H.	LINE NO. 1	PAGE 220
AREA Georgia	TOPO MAP Woodlawn 7.5	STATE Georgia	COUNTY Lincoln	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
2733									458.1							
FE	95		284° 11'	-0.7°	5.0	-		-5.0		453.1	TP	+22	-92	1,337,242	401,661	H-way
BM	55		355° 57'	-0.7°	3.0	-		-3.0		455.1	TP	+55	-5	1,337,275	401,748	BM approx. loc. E. 1. 455
2734	0				5.4	-		-5.4		452.7	TP	0	0	1,337,220	401,753	
2735	220		95° 46'	-0.7°	3.6	-		-3.6		454.5		-19	+219	1,337,201	401,972	
2736	440		" "	-0.7°	2.5	-		-2.5		455.6		-39	+438	1,337,181	402,191	
2737	660		97° 13'	-0.7°	4.0	-		-4.0		454.1	TP	-75	+656	1,337,145	402,409	
2737	660				7.3	TH	+3.3	-4.0			TP					
	1100		287° 51'-180°	-0.7°	4.7	-		+1.7	455.8		BS	-324	+1051			
	1100				7.2	TH	-5.5	+1.7			BS					
2738	880		287° 51'	-0.7°	4.0	-		-4.0		451.8		+259	-841	1,337,080	402,619	
2739	660		287° 4'	-0.7°	7.1	-		-7.1		448.7		+186	-633	1,337,007	402,827	
2740	440		285° 30'	-0.7°	7.9	-		-7.9		447.9		+112	-425	1,336,933	403,035	
2741	220		281° 27'	-0.7°	6.4	-		-6.4		449.4		+41	-216	1,336,862	403,244	
2742	0				5.4	-		-5.4		450.4	TP	0	0	1,336,821	403,460	
2743	220		89° 36'	-0.7°	7.9	-		-7.9		447.9		+4	+220	1,336,825	403,680	
2744	440		87° 33'	-0.7°	12.5	-		-12.5		443.3		+24	+439	1,336,845	403,899	
2745	660		86° 19'	-0.7°	10.8	BH	-3.3	-14.1		441.7		+50	+658	1,336,871	404,118	
2746	880		85° 47'	-0.7°	10.9	-		-10.9		444.9		+75	+877	1,336,896	404,337	
2747	1100		85° 26'	-0.7°	4.9	-		-4.9		450.9		+101	+1095	1,336,922	404,555	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 2/2/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY RJH	LINE NO. 1	PAGE 221
AREA Georgia	TOPO MAP Woodlawn 7.5'	STATE Georgia	COUNTY	TWP	RANGE	PPM
					PARTY MANAGER L.O. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									455.8					
2748	1320		85° 14.6'	-0.7°	0.1	-		-0.1	455.7	TP	+126	+1314	1,336,947	404,774
2748	1320				6.7	TH	+6.6	-0.1		TP				
	660		266° 8.4'	-0.7°	4.9	89°	-11.5	-6.6	449.1	BS	+52	+658		
	660				3.0	89° 10'	-9.6	-6.6		BS				
2749	440		266° 8.4'	-0.7°	0.9	89° 10'	+6.4	+5.5	454.6		-35	-439	1,336,964	404,993
2750	220		" "	-0.7°	6.0	-		-1.0	448.1		-17	-219	1,336,982	405,213
2751	0				5.4	-		-5.4	443.7	TP	0	0	1,336,999	405,432
2752	220		87° 55'	-0.7°	4.1	-		-4.1	445.0		+11	+220	1,337,010	405,652
2752	232		83° 25.5'	-0.7°	4.1	-		-4.1	445.0		+29	+230	1,337,028	405,662 y-int.
2753	440		90° 57'	-0.7°	2.6	TH	+2.2	-0.4	448.7		-2	+440	1,336,997	405,872
2754	660		92° 18.1'	-0.7°	1.4	TH	+3.3	+1.9	451.0	TP	-18	+660	1,336,981	406,092
	660				3.9	89° 30'	+5.8	+1.9		TP				
	440		274° 48.4'	-0.7°	+8.9	-		+8.9	459.9	BS	-32	+439		
	440				+11.1	TH	-2.2	+8.9		BS				
2755	220		274° 48.4'	-0.7°	5.8	-		-5.8	454.1		+16	-219	1,336,965	406,312
2756	0				5.4	-		-5.4	454.5	TP	0	0	1,336,949	406,531
2757	220				4									
2757	160		97° 45.3'	-0.7°	4.4	-		-4.4	455.5		-20	+159	1,336,929	406,690 T-rd. El. 456
2757	220		102° 52'	-0.7°	4.2	-		-4.2	455.7		-46	+215	1,336,903	406,746 Curve

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12/2/78	INSTRUMENT MAN R. Hulsey	ROD MAN G. Cotcamp	PARTY NUMBER 1022	NOTES CHECKED BY RJH	LINE NO.	PAGE 222
AREA Georgia	TOPO MAP Wood 2x7.5	STATE Georgia	COUNTY Lincoln	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
									459.9							
2758	436		110° 53.8'	-0.8°	4.3	-		-4.3		455.6	TP	-150	+409	1,336,799	406,940	Shooting across curve
2758	436				2.1	BH	-2.2	-4.3			TP					
	440		304° 30.5'	-0.8°	5.3	-		+5.3	460.9		BS	-244	+366			
	440				7.5	TH	-2.2	+5.3			BS					
2759	220		301° 31'	-0.8°	5.1	-		-5.1		455.8		+112	-189	1,336,667	407,117	
2760	0				5.4	-		-5.4		455.5	TP	0	0	1,336,555	407,306	
2761	220		112° 58'	-0.8°	8.7	-		-8.7		452.2		-83	+204	1,336,472	407,510	
2762	440		" "	-0.8°	12.9	-		-12.9		448.0		-166	+407	1,336,389	407,713	
2763	660		114° 3.6'	-0.8°	14.4	BH	-3.3	-17.7			TP	-261	+606	1,336,294	407,912	
2763	660				13.8	90° 20'	-3.8	-17.6		443.3	TP					✓
	1540		300° 7.7'	-0.8°	+14.8	89° -	-26.9	-12.1	431.3	-12.0	BS	-754	+1343			
	1540				+1.5	89° 30'	-13.4	-11.9			BS					
2764	1320		300° 32'	-0.8°	0.2	89° 40'	+7.7	+7.5		438.8		+655	-1146	1,336,195	408,109	
2765	1100		" "	-0.8°	0.3	89° 50'	+3.2	+2.9		434.2		+546	-955	1,336,086	408,300	
2766	880		" "	-0.8°	1.3	-		-1.3		430.0		+436	-764	1,335,976	408,491	
2767	660		" "	-0.8°	5.2	-		-5.2		426.1		+327	-573	1,335,867	408,682	
2768	440		" "	-0.8°	7.0	-		-7.0		424.3		+218	-382	1,335,758	408,873	
2769	220		" "	-0.8°	6.6	-		-6.6		424.7		+109	-191	1,335,649	409,064	
2770	0				5.4	-		-5.4		425.9	TP	0	0	1,335,540	409,255	
2771	220		117° 33'	-0.8°	3.6	-		-3.6		427.7		-99	+196	1,335,441	409,451	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12/13/78	INSTRUMENT MAN R. Hubey	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY R.H.	LINE NO. 7	PAGE 223
AREA Georgia	TOPO MAP Woodlawn 7.5	STATE Georgia	COUNTY Lincoln	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.	
									431.3					
2772	440		117° 33'	-0.8°	6.0	-		-6.0		425.3		-198	+393	1,335,342 409,678
2773	660		" "	-0.8°	8.0	-		-8.0		423.3		-297	+589	1,335,243 409,844
2774	880		116° 2.4'	-0.8°	13.2	-		-13.2		418.1	TP	-375	+796	1,335,165 410,051
2774	880				8.8	BH	-4.4	-13.2			TP			
	880		284° 49.8' 100°	-0.8°	+2.2	-		+2.2	420.3		BS	-213	+854	
	880				+6.6	TH	-4.4	+2.2			BS			
2775	660		284° 49.8'	-0.8°	6.0	-		-6.0		414.3		+160	-640	1,335,112 410,265
2776	440		" "	-0.8°	6.5	-		-6.5		413.8		+107	-427	1,335,059 410,478
2777	220		" "	-0.8°	6.4	-		-6.4		413.9		+53	-213	1,335,005 410,692
2778	0				5.4	-		-5.4		414.9	TP	0	0	1,334,952 410,905 Sta. is on trail
2779	220		102° 47'	-0.8°	11.8	-		-11.8		408.5		-46	+215	1,334,906 411,120 to (NE) E1.415
2780	440		" "	-0.8°	11.3	91° 30'	-11.5	-22.8		397.5		-91	+430	1,334,861 411,335
2781	660		" "	-0.8°	11.5	92°	-23.0	-34.5		385.8		-137	+646	1,334,815 411,551
2782	880		103° 30.9'	-0.8°	11.3	92°	-30.7	-42.0			TP	-194	+858	1,334,758 411,763 Curve
2782	880				9.7	92° 06'	-32.2	-41.9		378.4	TP			
	880		295° 53.8' 100°	-0.8°	+0.5	TH	-4.4	-3.9	374.5		BS	-373	+797	
	880				+1.3	89° 40'	-5.1	-3.8			BS			
2783	660		296° 55'	-0.8°	1.8	TH	+3.3	+1.5		376.0		+291	-593	1,334,676 411,967
2784	440		" "	-0.8°	2.2	TH	+2.2	0.0		374.5		+194	-395	1,334,579 412,165
2785	220		" "	-0.8°	2.2	-		-2.2		372.3		+97	-198	1,334,482 412,362

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE: 12-3-78
 INSTRUMENT MAN: R. Hulsey
 ROD MAN: G. Cotcamp
 PARTY NUMBER: 6834
 NOTES CHECKED BY: P. J. H.
 LINE NO.: 1
 PAGE: 224 of 224
 AREA: GEORGIA
 TOPO MAP: Woodlawn
 STATE: Georgia
 COUNTY: Lincoln
 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.	
									374.5					
2786	0				5.4	-		-5.4		369.1	TP	0	0	1,334,385 412,560
2787	220		116° 14.2'	-0.8°	11.5	-		-11.5		363.0		-94	+199	1,334,291 412,759
2788	440		" "	-0.8°	13.5	90°30'	-3.8	-17.3		357.2		-189	+397	1,334,196 412,957
2789	660		" "	-0.8°	13.2	90°40'	-7.7	-20.9		353.6		-283	+596	1,334,102 413,156
2790	880		" "	-0.8°	13.5	90°30'	-7.7	-21.2		353.3		-378	+795	1,334,007 413,355
2791	1100		" "	-0.8°	12.7	90°16'	-3.2	-15.9		358.6		-472	+993	1,333,913 413,553
2792	1320		" "	-0.8°	8.6	-		-8.6		365.9		-567	+1192	1,333,818 413,752
2793	1540		116° 14.2'	-0.8°	3.6	-		-3.6		370.9	TP	-661	+1391	1,333,724 413,957
2793	1540				11.3	TH	+7.7	-3.6			TP			
	1100		296° 12.4 + 180°	-0.8°	4.7	89°30'	-9.6	-7.9	363.0		BS	-472	+994	
	1100				4.9	89°20'	-12.8	-7.9			BS			
2794	880		296° 12.4'	-0.8°	2.0	89°30'	+7.7	+5.7		368.7		+378	-795	1,333,630 414,150
2795	660		" "	-0.8°	1.5	89°40'	+3.8	+2.3		365.3		+283	-596	1,333,630 414,349
2796	440		" "	-0.8°	3.4	-		-3.4		359.6		+189	-397	1,333,441 414,548
2797	220		" "	-0.8°	5.6	-		-5.6		357.4		+94	-199	1,333,346 414,746
2798	0				5.4	-		-5.4		357.6	TP	0	0	1,333,252 414,945
2799	220		118° 2'	-0.8°	1.9	-		-1.9		361.1		-101	+196	1,333,151 415,141
2800	440		121° 37.2'	-0.8°	1.1	89°	+7.7	+6.6		369.6		-225	+378	1,333,027 415,323
	552		120° 29'	-0.8°	0.7	88°50'	+11.2	+10.5		373.5		-273	+480	1,332,979 415,425

EOL
 T-rod El. 374
 1,332,975 + 415,430
 (scaled)