

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc. Client-COCORP

DATE 5/13/80	INSTRUMENT MAN G LITZINGER	ROD MAN G COT CAMP	PARTY NUMBER 6834	NOTES CHECKED BY GHI alw	LINE NO. 9	PAGE 1 of 20
AREA GEORGIA	TOPO MAP LeeField	STATE GEORGIA	COUNTY Bulloch	TWP	RANGE	PPM
PARTY MANAGER DAVIS						

STATION NO.	SLOPE 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
1										161.9				908,075	675,642	
	660		39° 9.7'	-1.8°	70.1	89° 10'	-9.6	-9.5	152.4		BS	-525	-401			
	660				+2.0	89°	-11.5	-9.5			BS					
2	330		39° 9.7'	-1.8°	6.8	89°	+5.8	+0.0		152.4		+262	+200	907,812	675,441	
3	0				5.4	-		-5.4		147.0	TP	0	0	907,530	675,241	
4	330		219° 23.9'	-1.8°	9.7	-		-9.7		142.7		-261	-201	907,289	675,090	
5	660		"	"	10.9	-		-10.8		141.6		-523	-403	907,027	674,838	
TP	760		219° 23.9'	-1.8°	6.1	BH	-3.8	-9.9		142.6	TP	-602	-464	906,948	674,777	CURVE
TP	760		219° 23.9'		7.5	90° 10'	-2.2	-9.7			TP					
	557		69° 4.8'	-1.8°	+14.3	-		+14.3	156.9		BS	-215	-514			
	557				+11.5	BH	+2.8	+14.3			BS					
6	330		69° 4.8'	-1.8°	10.0	-		+10.0		146.9		+127	+304	906,860	674,567	
7	0				5.4	-		-5.4		151.5	TP	0	0	906,733	674,263	OFF
8	330		255° 45.2'	-1.8°	2.2	-		-2.2		154.7		-91	-317	906,642	673,946	
9	660		255° 45.2'	-1.8°	1.6	-		-1.6		155.3	TP	-182	-634	906,551	673,629	
9	660				4.9	TH	+3.3	-1.6			TP					
	1650		76° 25.8'	-1.8°	+1.6	-		+1.6	156.9		BS	-437	-1591			
	1450				+9.8	TH	-8.3	+1.5			BS					
10	1320		76° 25.8'	-1.8°	2.8	-		-2.8		154.1		+350	+1273	906,464	673,311	
11	1090		76° 34.9'	-1.8°	2.1	-		-3.1		153.8		+286	+1052	906,400	673,090	906,400 + 673,090 Trail (north) R
11	990		76° 25.8'	-1.8°	3.3	-		-3.3		153.6		+262	+955	906,376	672,993	

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DATE 5/13/80	INSTRUMENT MAN G LITZINGER	ROD MAN G COLEMAN	PARTY NUMBER 6834	NOTES CHECKED BY SLL	LINE NO. 9	PAGE 2
AREA Georgia	TOPO MAP LeeField	STATE Georgia	COUNTY Bulloch	TWP	RANGE	PPM
				PARTY MANAGER DAVIS		

STATION NO.	SLOPE DISTANCE	PLOTTING 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			
									156.9									
12	660		76° 25.8'	-1.8°	3.0	-		-3.0		153.9		+175	+636	906,289	672,674			
13	330		"	"	5.4	-		-5.4		157.5		+87	+318	906,201	672,356			
14	0				5.4	-		-5.4		151.5	TP	0	0	906,114	672,038			
15	330		260' 2'	-1.8°	0.3	-		-0.3		156.6		-67	-323	906,047	671,715			
16	660		"	"	5.0	89°-	+11.5	+6.5		163.4		-135	-646	905,979	671,392			
17	990		"	"	3.3	89°-	+17.3	+14.0		170.9		-202	-969	905,912	671,069			
18	1320		260° 2'	-1.8°	5.3	89°-	+23.0	+17.7		174.6	TP	-269	-1292	905,845	670,746			
18	1320				9.1	89°50	+26.9	+17.8			TP							
	990		76° 14.2' + 180	-1.8°	+1.9	89° 40	-5.8	-3.9	170.7		BS	-266	-954					
	990				+4.8	89° 30	-8.6	-3.8			BS							
19	660		76° 14.2'	-1.8°	1.8	TH	+3.3	+1.5		172.2		+177	+636	905,756	670,428			
20	330		"	"	4.0	-		-4.0		166.7		+89	+318	905,668	670,110			
21	0				5.4	-		-5.4		165.3	TP	0	0	905,579	669,792			
22	330		251° 22.2'	-1.8°	3.1	-		-3.1		167.6		-115	-309	905,464	669,483			
23	660		"	"	0.1	-		-0.1		170.6		-230	-618	905,349	669,174			
24	990		"	"	3.7	TH	+5.0	+1.3		172.0		-346	-928	905,233	668,864			
25	1320		"	"	5.5	TH	+6.6	+1.1		174.8		-461	-1237	905,118	668,553			
26	1650		251° 22.2'	-1.8°	10.1	TH	+8.3	+1.8		172.5	TP	-576	-1546	905,003	668,246			
26	1650				6.7	89°50	+4.8	+1.9			TP							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

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DATE 5/13/80	INSTRUMENT MAN GLITZINGF JR	ROD MAN G Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY GHL. <i>rlw</i>	LINE NO. 9	PAGE 3
AREA Georgia	TOPO MAP Leefield/Brooklet	STATE Georgia	COUNTY Bulloch	TWP	RANGE	PPM
				PARTY MANAGER DAVIS		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
26					+					172.5				
	990		59° 7.6' +180	-18°	+5.0	89° 30'	-2.9	+2.17	174.6		BS	-539	-833	
	990				+4.5	89° 52'	-2.3	+2.25			BS			
27	660		59° 7.6'	-18°	6.5	-		-6.5		168.1		+356	+556	904,825 667,969
$\frac{1}{2}$ LF	630		59° 2.7'	-18°	5.6	-		-5.6		169.0		+341	+530	904,810 667,943 904,810 + 667,930 4 way Intersect. e. 169.
24	330		59° 7.6'	-18°	6.3	-		-6.3		168.3		+178	+278	904,647 667,691
29	0				5.4	-		-5.4		169.2	TP	0	0	904,469 667,413 ↑
30	330		232° 28.8'	-1.6°	2.6	-		-2.6		172.0		-208	-256	904,261 667,157 Leefield Quad.
31	660		232° 28.8'	-1.6°	4.5	-		-4.5		170.1	TP	-416+2	-512+3	904,055 666,904 Brooklet Quad.
31	660				7.8	TH	+3.3	-4.5			TP			↓
	1320		51° 46.6' +180	-1.6°	+7.5	88° 30'	-34.5	-27.0			BS	-845+2	-1014+2	
	1320				+3.7	88° 40'	-30.7	-27.05	143.1		BS			
32	990		51° 46.6'	-1.6°	4.5	87° -	+17.3	+12.8		155.9		+634	+760	903,846 666,652
33	660		" "	"	7.7	89° -	+11.5	+3.8		146.9		+423	+507	903,635 666,399
34	330		" "	"	1.2	-		-1.2		141.9		+211	+253	903,423 666,145
35	0				5.4	-		-5.4		137.7	TP	0	0	903,212 665,892
36	330		225° 41'	-1.6°	8.3	-		-8.3		134.8		-237	-230	902,975 665,642
37	660		225° 41'	-1.6°	11.5	-		-11.5		131.6	TP	-474+2	-459+2	902,740 665,435
37	660				8.2	BH	-3.3	-11.5			TP			
	660		30° 59.5' +180	-1.6°	+5.7	89° 20'	-7.7	-2.0	129.6		BS	-538	-382+2	
	660				+3.7	89° 30'	-5.8	-2.15			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						
5/13/80		GLITZINGER		G COT CAMP		6834		MHO		9	4						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Georgia		BROOK LET		Georgia	BULLOCH				rel	DAVIS							
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									129.4								
38	330		36° 59.5'	-1.6°	1.8	-		-1.8		127.8		+269	+191	902,471	665,246		
39	0				5.4	-		-5.4		124.2	TP	0	0	902,202	665,053		
40	330		217° 57'	-1.6°	7.3	-		-7.3		122.3		-266	-195	901,936	664,860		
41	660		217° 57'	-1.6°	9.2	-		-9.2		120.4	TP	-532	-390+2	901,670	664,667		
41	660				5.9	BH	-3.3	-9.2			TP						
	660		28° 15.1' +180°	-1.6°	+4.1	-		+4.1			BS	-590	-296+2				
	660				+7.4	TH	-3.3	+4.1	124.5		BS						
41	600		28° 13.9'	-1.6°	3.5	-		-3.5		121.0		+536	+269	901,616	664,642	BRIDGE (3-T)	
42	330		28° 15.1'	-1.6°	3.4	-		-3.4		121.1		+295	+198	901,375	664,521		
43	0				5.4	-		-5.4		119.1	TP	0	0	901,090	664,373		
43	148		204° 27.6'	-1.6°	5.2	-		-5.2		119.3		-136	-57	900,944	664,316	900,980 + 664,330 FB (ne) el. 120.	
43	250		205° 17'	-1.6°	3.2	-		-3.2		121.3		-229	-100	900,851	664,273	BRIDGE (3-T)	
44	330		207° 33.1'	-1.6°	1.8	-		-1.8		122.7		-297	-144	900,783	664,229		
45	663		207° 33.1'	-1.6°	8.2	89°	+11.6	+3.4		127.9	TP	-596	-290	900,484	664,083	CURVE	
45	663				6.3	89° 10'	+9.6	+3.3			TP						
	990		42° 29.1' +180°	-1.6°	+13.5	91° 10'	+20.2	+33.7			BS	-749	-647				
	990				+10.8	91° 20'	+23.0	+33.8	161.7		BS						
46	660		42° 29.1'	-1.6°	7.6	91°	-11.5	-19.1		142.6		+500	+431	900,235	663,867		
47	330		" "	"	9.1	-		-9.1		152.6		+250	+216	899,985	663,652		
48	0				5.4	-		-5.4		156.3	TP	0	0	899,735	663,436		

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
5/13/80		G LITZINGER		G CoJCAMP		6934		ML		9		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		BANKLET		Georgia		Bulloch								DAVIS	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									161.7						
49	330		220° 51.6'	-1.6°	4.4	-		-4.4		157.3		-256	-209	899,479	663,227
TP	512		221° 39'	-1.6°	4.1	-		-4.1			TP	-392	-329	899,343	663,107
TP	512				6.6	TH	+2.6	-4.0		157.7	TP				
	1140		59° 36.7' +180	-1.6°	+8.8	90° 20'	+6.6	+15.4			BS	-604	-967		
	1140				+5.4	90° 30'	+10.0	+15.4	173.1		BS				
50	990		59° 36.7'	-1.6°	13.2	-		-13.2		159.9		+524	+840	899,263	662,980
51	660		"	"	12.7	-		-12.7		160.4		+350	+560	899,089	662,700
52	330		"	"	10.2	-		-10.2		162.9		+175	+280	898,914	662,420
53	0				5.4	-		-5.4		167.7	T	0	0	898,739	662,140
54	330		240° 6.6'	-1.6°	2.3	-		-2.3		170.8		-172	-281	898,567	661,859
55	660		"	"	3.1	-		-3.1		170.0		-345	-563	898,394	661,577
56	987		239° 9.3	-1.6°	0.7	-		-0.7		172.4	TP	-530	-833	898,209	661,307
56	987				5.7	TH	+4.9	-0.8			TP				
	1320		53° 21.7' +180°	-1.6°	+6.7	91° 30'	+34.5	+41.2			BS	-817	-1037		
	1320				+10.5	91° 20'	+30.7	+41.2	213.6		BS				
57	990		53° 21.7'	-1.6°	11.7	91° 20'	-23.0	-34.7		178.9		+613	+778	898,005	661,048
58	660		"	"	13.2	91° -	-11.5	-24.7		188.9		+408	+518	897,800	660,784
58	635		52° 59'	-1.6°	12.3	91° -	-11.1	-23.4		190.2		+396	+496	897,788	660,766
59	330		53° 21.7'	-1.6°	14.2	-		-14.2		199.4		+204	+259	897,596	660,529
60	0				5.4	-		-5.4		208.2	T	0	0	897,392	660,270

897,790 + 660,780
4-Way (Line #8) = 189.6

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE 5/13/80	INSTRUMENT MAN G LITZINGER	ROD MAN G CoTEAM	PARTY NUMBER 6834	NOTES CHECKED BY GHL	LINE NO. 9	PAGE 6
AREA Georgia	TOPO MAP BROOKLET	STATE Georgia	COUNTY BULLOCH	TWP	RANGE	PPM
				PARTY MANAGER DAVIS		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									213.6						
61	330		229° 46.8'	-1.6°	9.1	-		-9.1		204.5		-220	-246	897,172	660,024
62	660		"	"	12.2	BH	-3.3	-15.5		198.1		-440	-492	896,952	659,778
63	990		"	"	11.9	90° 30'	-8.6	-20.5		193.1		-660	-738	896,732	659,532
IF	1010		229° 31.8'	-1.6°	12.2	90° 30'	-8.8	-21.0		192.6		-677	-750	896,715	659,520
64	1320		229° 46.8'	-1.6°	14.4	90° 30'	-11.5	-25.9		187.7		-880	-984	896,512	657,286
65	1650		229° 46.8'	-1.8°	12.0	90° 40'	-19.2	-31.2		182.4	TP	-1104+2	-1226+3	896,290	659,047
65	1650				7.2	90° 50'	-24.0	-31.2			TP				
	1650		56° 12.4' -180°	-1.8°	+14.7	90° 26'	+12.5	+27.2			BS	-960+2	-1392+3		
	1650				+8.0	90° 40'	+19.2	+27.2	209.6		BS				
66	1320		56° 12.4'	-1.8°	7.1	91° -	-23.0	-30.1		179.5		+768	+1073	896,100	658,781
67	990		"	"	10.7	91° -	-17.3	-28.0		181.6		+576	+805	895,908	658,513
68	660		"	"	9.7	91° -	-11.5	-21.2		188.4		+384	+537	895,716	658,245
69	330		"	"	10.9	-		-10.9		198.7		+192	+268	895,524	657,976
70	0				5.4	-		-5.4		204.2	TP	0	0	895,332	657,708
71	330		229° 23.3'	-1.8°	6.3	-		-6.3		203.3		-200	-262	895,132	657,446
72	660		"	"	8.1	-		-8.1		201.5		-401	-524	894,931	657,184
73	990		"	"	9.7	-		-9.7		199.9		-601	-786	894,731	656,922
74	1320		234° 23.3'	-1.8°	8.9	-		-8.9		200.7	TP	-802+2	-1098+3	894,532	656,663
74	1320				2.3	BH	-6.6	-8.9			TP				

horiz. coord. y = +6
x = +13
896,715 + 659,520
Y-intersect.

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Geosource Inc.

DATE 5/14/80	INSTRUMENT MAN G. Cotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY GHL	LINE NO. 9	PAGE 7
AREA Georgia	TOPO MAP Brooklet	STATE Georgia	COUNTY Bulloch	RANGE selw	PPM	PARTY MANAGER Davis

STATION NO.	SLOPE DISTANCE	PLOTTING 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			
74	656		40°5' +180°	-1.8°	+9.0	TH	-3.3	+5.7	206.4	200.7	BS	-515+2	-406+3					
	656				+9.6	89°40'	-3.8	+5.8			BS							
$\frac{1L}{7F}$	472		37°6.6'	-1.8°	4.1	-		-4.1	202.3			+385	+273	894,404	656,533	894,400 + 656,550	A-way Intersect. el. 202	
75	330		35°45'	-1.8°	4.1	-		-4.1	202.3			+274	+184	894,293	656,444			
76	0				5.4	-		-5.4	201.0		X	0	0	894,019	656,260			
77	330		215°55.4'	-1.8°	10.6	-		-10.6	195.8			-273	-185	893,746	656,075			
78	660		"	"	14.4	-		-14.4	192.0			-546	-370	893,473	655,890			
79	990		215°55.4'	-1.8°	11.2	BH	-5.0	-16.2	190.2		TP	-820+3	-555+3	893,202	655,708			
79	990				10.4	89°20'	-5.8	-16.2			TP							
	327		23°4' +180°	-1.8°	+4.6	TH	-1.6	+3.0			BS	-305+3	-119+3				curve	
	327				+6.8	89°20'	-3.8	+3.0	193.2		BS							
80	0				5.4	-		-5.4	187.8		X	0	0	892,900	655,592			
81	330		193°60.4'	-1.8°	9.8	-		-9.8	183.4			-323	-69	892,577	655,523			
82	660		193°50.4'	-1.8°	11.2	-		-11.2	182.0		TP	-695+3	-138+3	892,258	655,457			
82	660				7.9	BH	-3.3	-11.2			TP							
	660		19°7.3' +180°	-1.8°	+5.0	-		+5.0			BS	-630+3	-197+3					
	660				+8.3	TH	-3.3	+5.0	187.0		BS							
83	330		19°7.3'	-1.8°	5.4	-		-5.4	181.6			+315	+98	891,946	655,361			
84	0				5.4	-		-5.4	181.6		X	0	0	891,631	655,263			
85	330		203°35'	-1.8°	3.1	-		-3.1	183.9			-306	-122	891,325	655,141			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 5/14/80	INSTRUMENT MAN G. Cotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY GHL	LINE NO. 9	PAGE 8
AREA Georgia	TOPO MAP Brooklet	STATE Georgia	COUNTY Bulloch	TWP	RANGE	PPM
				PARTY MANAGER Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									187.0					
86	660		203° 35'	-1.8°	3.7	-		-3.7		183.3		-613	-295	891,018 655,018
87	990		203° 35'	-1.8°	8.2	-		-8.2		178.8	TP	-919+3	-367+3	890,715 654,899
87	990				13.2	TH	+5.0	-8.2			TP			
	1320		26° 38.2' + 180°	-1.8°	+4.6	TH	-6.4	-2.0			BS	-1198+3	-554+3	
	1320				+5.7	89° 40'	-7.7	-2.0	176.8		BS			
1/2	1220		27° 6'	-1.8°	34	TH	+6.1	+2.7		179.5		+1103	+521	890,623 654,869 4-way, Tabris. EL 179
88	990		26° 38.2'	-1.8°	4.8	TH	+5.0	+0.2		177.0		+898	+416	890,418 654,764
89	660		" "	"	1.6	-		-1.6		175.2		+599	+277	890,119 654,625
90	330		" "	"	3.2	-		-3.2		173.6		+299	+139	889,819 654,487
91	0				54	-		-5.4		171.4	X	0	0	889,520 654,348
92	330		207° 28'	-1.8°	5.2	-		-5.2		171.6		-297	-193	889,223 654,205
93	660		" "	"	3.3	-		-3.3		173.5		-595	-286	888,925 654,062
94	990		206° 25.3'	-1.8°	3.2	-		-3.2			TP	-900+3	-412+3	888,623 653,939 T.P. opposite sta.
94	990				8.1	TH	+5.0	-3.1		173.7	TP			
	660		35° 32.2' + 180°	-1.6°	+7.6	89° -	-11.5	-3.9			BS	-548+3	-368+3	
	660				+3.7	89° 20'	-7.7	-4.0	169.7		BS			
1/2	405		36° 57'	-1.6°	4.9	89° -	+7.1	+2.2		171.9		+330	+234	888,408 653,808 Tid. EL 171
95	330		35° 32.2'	-1.6°	0.2	-		-0.2		169.5		+274	+183	888,352 653,757
96	0				5.4	-		-5.4		164.3	X	0	0	888,078 653,574
97	330		218° 17'	-1.6°	10.0	-		-10.0		159.7		-265	-197	887,813 653,377

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
5/14/80		G. Catcamp		G. Litzinger		6834		GHL rlw		9	9						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
Georgia		Brooklet	Georgia	Bulloch				Davis									
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									169.7								
98	660		218°17'	-1.6°	14.7	-		-14.7		155.0		-529	-394	887,549	653,180		
99	990		217°10'	-1.6°	11.9	90°30'	-8.6	-20.5			TP	-805+2	-576+3	887,275	653,001	I.P. opposite sta.	
99	990				9.1	90°40'	-11.5	-20.65		149.1	TP						
	660		40°27.8'+180°	-1.6°	+5.1	89°-	-11.5	-6.4			BS	-514	-414+2				
	660				+1.2	89°20'	-7.7	-6.5	142.6		BS						
100	330		40°27.8'	-1.6°	0.5	TH	+1.7	+1.2		143.8		+257	+207	887,018	652,796		
101	0				5.4	-		-5.4		137.2	TP	0	0	886,761	652,589		
102	330		222°33.4'	-1.6°	10.8	-		-10.8		131.8		-249	-216	886,572	652,373		
103	660		222°33.4'	-1.6°	14.1	-		-14.1		128.5	TP	-498	-433	886,263	652,156		
103	660				10.8	BH	-3.3	-14.15			TP						
	990		57°9.5'+180°	-1.4°	+5.0	-		+5.0			BS	-557	-818				
	990				+10.0	TH	-5.0	+5.0	133.5		BS						
104	660		57°9.5'	-1.4°	4.3	-		-4.3		129.2		+371	+596	886,077	651,884		
105	330		" "	"	3.3	-		-3.3		130.2		+186	+273	885,892	651,611		
106	0				5.4	-		-5.4		128.1	TP	0	0	885,706	651,338		
107	330		244°32.8'	-1.4°	5.1	-		-5.1		128.4		-149	-294	885,557	651,044		
108	660		" "	"	6.3	-		-6.3		127.2		-298	-589	885,408	650,749		
109	990		" "	"	6.3	-		-6.3		127.2		-447	-863	885,259	650,455		
110																	
111	1157		244°38.6'	-1.4°	6.7	-		-6.7		126.8		-521	-1033	885,185	650,305	885,190 + 650,300 I-rd (north)	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
5/14/80		G. Gotcamp		G. Litzinger		6834		GHL <i>ulu</i>		9	10						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
Georgia		Brooklet	Georgia	Bulloch				Davis									
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									133.5								
110	1320		244°32.8'	-1.9°	9.0	-		-9.0		124.5	TP	-596	-1178	885,110	650,160		
110	1320				2.4	BH	-6.6	-9.0			TP						
	660		57°12.7'+180°	-1.9°	+5.5	-		+5.5			BS	-371	-546				
	660				+8.8	TH	-3.3	+5.5	130.0		BS						
111	330		57°12.7'	-1.9°	7.6	-		-7.6		122.4		+185	+273	884,924	649,887		
112	0				5.9	-		-5.4		124.6	X	0	0	884,739	649,614		
113	330		247°45.2'	-1.9°	4.9	-		-4.9		125.1		-132	-302	884,607	649,312	on bridge	
114	660		" "	"	5.2	-		-5.2		124.8		-265	-605	884,474	649,009		
115	990		247°45.2'	-1.9°	4.9	-		-4.9		125.1	TP	-397	-907	884,342	648,707		
115	990				9.9	TH	+5.0	-4.9			TP						
	985		57°25.3'+180°	-1.9°	+11.0	91°30'	+25.8	+36.8			BS	-550	-817				
	985				+9.3	91°36'	+27.5	+36.8	161.9		BS						
116	660		55°21'	-1.9°	13.8	91°-	-11.5	-25.3		136.6		+388	+534	884,180	648,424		
117	330		" "	"	10.1	-		-10.1		151.8		+194	+267	883,986	648,157		
118	0				5.4	-		-5.4		156.5	X	0	0	883,792	647,890		
119	330		245°0.5'	-1.9°	1.9	-		-1.9		160.0		-147	-296	883,645	647,544		
120	660		" "	"	2.1	TH	+3.3	+1.2		163.1		-293	-591	883,499	647,299		
121	990		245°0.5'	-1.9°	1.6	TH	+5.0	+3.4		165.3	TP	-440	-887	883,352	647,003		
121	990				5.3	89°30'	+8.6	+3.3			TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 5/14/80	INSTRUMENT MAN G. Cotcamp	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY Shl	LINE NO 9	PAGE 11
AREA Georgia	TOPO MAP Brooklet	STATE Georgia	COUNTY Bulloch	TWP RANGE	PPM	PARTY MANAGER Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
121										165.3				
	990		67°39' +180°	-1.9°	+12.3	-		+12.32	177.6		BS	-408	-902	
	990				+7.9	BH	+5.0	+12.45			BS			
122	660		65°8'	-1.9°	9.8	-		-9.8		167.8		+292	+592	883,236 646,693 horiz. correct. y=+39' x=+41'
123	330		" "	"	7.8	-		-7.8		169.8		+146	+296	883,090 646,397
71	58		70°38'	-1.9°	5.1	-		-5.1		172.5		+21	+54	882,965 646,155 -rd. cc 172
124	0				5.4	-		-5.4		172.2	T	0	0	882,944 646,101
125	330		242°54.8'	-1.9°	2.0	-		-2.0		175.6		-157	-290	882,787 645,811
126	660		" "	"	2.1	-		-2.1		176.5		-315	-580	882,629 645,521
127	990		" "	"	4.9	-		-4.9		172.7		-472	-870	882,472 645,231
128	1320		242°54.8'	-1.6°	8.0	-		-8.0		169.6	TP	-639-2	-1158+2	882,308 644,945
128	1320				19.6	TH	+6.6	-8.0			TP			
	2640		62°52.7' +180°	-1.6°	+12.1	90°10'	+7.7	+19.87	119.9		BS	-1269-2	-2315+2	
	2640				+4.6	90°30'	+15.4	+20.05	199.5		BS			
129	2310		62°52.7'	-1.6°	10.7	BH	-11.6	-22.3		167.2		+1110	+2026	882,147 644,658
130	1980		"	"	11.4	BH	-9.9	-21.3		168.2		+951	+1736	881,988 644,368
131	1650		"	"	11.0	BH	-8.3	-19.3		170.2		+793	+1447	881,830 644,079
132	1320		"	"	9.6	BH	-6.6	-16.2		173.3		+634	+1158	881,671 643,790
133	990		"	"	13.3	-		-13.3		176.2		+476	+868	881,513 643,500
134	660		"	"	10.0	-		-10.0		179.5		+317	+579	881,354 643,211
135	330		"	"	7.1	-		-7.1		182.4		+159	+289	881,196 642,921

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE 5/15/80	INSTRUMENT MAN G LITZINGER	ROD MAN G COLAMP	PARTY NUMBER 6834	NOTES CHECKED BY J.H. / J.H.	LINE NO. 9	PAGE 12
AREA Georgia	TOPO MAP BROOKLET	STATE Georgia	COUNTY Bulloch	TWP	RANGE	PPM
				PARTY MANAGER DAVIS		

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									189.5					
136	0				5.4	-		-5.4		184.1	T	0	0	881,037 642,632
137	330		242° 3'	-1.6°	3.1	-		-3.1		186.4		-163	-287	880,874 642,345
138	660		"	"	6.9	-		-6.9		182.6		-326	-574	880,711 642,058
139	990		"	"	4.6	-		-4.6		184.9		-488	-861	880,549 641,771
140	1320		"	"	0.8	-		-0.8		188.7		-651	-1148	880,386 641,484
141	1650		"	"	5.0	TH	+8.3	+3.3		192.8		-814	-1435	880,223 641,197
142	1980		"	"	2.6	TH	+9.9	+7.3		196.8		-977	-1722	880,060 640,910
143	2310		242° 3'	-1.6°	2.9	89° 40'	+13.4	+10.5		200.0	TP	-1139.2	-2010.2	879,896 640,624
143	2310				9.7	89° 30'	+20.2	+10.5			TP			
	657				+7.3	91° -	+11.5	+18.8			BS	-427	-499.2	CORRE
	657		51° 5.2' +180	-1.6°	+5.3	91° 10'	13.4	+18.7	218.7		BS			
144	330		47° 53.2'	-1.6°	12.9	-		-12.9		205.8		+228	+239	879,697 640,366
145	0				5.4	-		-5.4		213.3	T	0	0	879,469 640,137
145	288		227° 14.8'	-1.6°	1.0	-		-1.0		217.7		-201	-206	879,268 639,921 879,265 + 639,925 4-Way Intersect. el. 216
146	330		227° 34.8'	-1.6°	1.5	-		-1.5			TP	-229	-237.2	879,240 639,892
146	330				3.3	TH	+1.7	-1.6		217.1	TP			
	660		58° 36.8' +180	-1.6°	+3.5	89° -	-11.5	-8.0			BS	-359	-554	
	660				+1.6	89° 10'	-9.6	-8.0	209.1		BS			
147	330		58° 36.8'	-1.6°	0.9	TH	1.7	+0.8		209.9		+180	+277	879,061 639,615
148	0				5.4	-		-5.4		203.7	T	0	0	878,881 639,338

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
5/15/80		GLITZINGER		G COLCAMP		6834		JLW		9	13					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Georgia		BROOKLET		Georgia	Bulloch					DAVIS						
STATION NO.	SLOPE DISTANCE	PLOTTING 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	
149	330		249° 57.2'	-1.6°	9.0	-		-9.0		200.1		-122	-307	878,759	639,031	
150	660		249° 57.2'	-1.6°	12.8	-		-11.8		197.3	TP	-243	-613	878,638	638,725	
150	660				8.5	BH	-3.3	-11.8			TP					
	985		57° 0.2' +190°	-1.6°	+3.6	-		+3.6			BS	-559	-811			CURVE
	985				+8.5	TH	-4.9	+3.6	200.9		BS					
151	660		56° 27'	-1.6°	6.4	-		-6.4		194.5		+380	+590	878,459	638,454	
152	330		"	"	6.9	-		-6.9		194.0		+190	+270	878,269	638,184	
153	0				5.4	-		-5.4		195.5	TP	0	0	878,079	637,914	
154	330		247° 57.6	-1.6°	1.4	TH	+1.7	+0.3		201.2		-132	-302	877,947	637,612	
155	660		"	"	2.6	89° 30'	+7.7	+5.1		206.0		-265	-605	877,814	637,309	
156	982		245° 13.9'	-1.6°	2.3	89° 10'	+14.3	+12.0			TP	-436	-880	877,643	637,034	CURVE
156	982				5.2	89° -	+17.1	+11.9		212.8	TP					
	992		60° 21' +190°	-1.6°	+10.3	BH	+5.0	+15.3	228.1		BS	-515	-848			
	992				+12.5	90° 10'	+2.9	+15.4			BS					
157	660		60° 21'	-1.6°	9.9	-		-9.9		218.2		+342	+564	877,470	636,750	
158	330		"	"	7.7	-		-7.7		220.4		+171	+282	877,299	636,468	
159	0				5.4	-		-5.4		222.7	TP	0	0	877,128	636,186	OPP STA
160	330		262° 48.2'	-1.6°	3.1	-		-3.1		225.0		-50	-326	877,078	635,860	
161	660		"	"	3.3	-		-3.3		224.8		-101	-652	877,027	635,534	
162	990		"	"	4.8	-		-4.8		223.3		-151	-978	876,977	635,208	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
5/15/80		G. LITZINGER		G. COLCAMP		6934		JHL JLW		9	15						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
GEORGIA		Brooklet/Statesboro		Georgia		Bulloch					DAVIS						
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									200.6								
175	660		226° 19.2'	-1.6°	8.3	-		-8.37		192.3	TP	-469	-467	878,571	631,253		
175	660				5.0	BH	-3.3	-8.35			TP						
	1320		54° 5.1' +180°	-1.6°	+14.4	90° 20'	+7.7	+22.17			BS	-804	-1097				
	1920				+10.6	90° 30'	+11.5	+22.15	214.4		BS						
176	990		54° 5.1'	-1.6°	4.0	91°	-17.3	-21.3		193.1		+603	+785	875,370	630,991		
177	660		"	"	14.2	BH	3.3	-17.5		196.9		+902	+524	875,169	630,730		
178	330		"	"	12.0	-		-12.0		202.4		+201	+262	874,968	630,468		
179	0				5.4	-		-5.4		209.0	TP	0	0	874,767	630,206	opp Sta Brooklet ↑	
180	330		245° 9.1'	-1.6°	1.1	BH	1.7	-2.8		211.6		-197	-295	874,620	629,911	Statesboro Quad.	
181	660		"	"	1.5	89° 30'	+5.8	+4.3		218.7		-294	-591	874,473	629,615	↓	
181	843		245° 5.7'	-1.6°	3.1	89° 30'	+7.4	+4.3		218.7		-376	-754	874,391	629,452	874,390 + 629,460 T-rod (sc) el. 218.	
182	990		245° 9.1'	-1.6°	4.8	89° 30'	+8.6	+3.8		218.2		-441	-886	874,326	629,320		
183	1320		"	"	3.1	89° 30'	+11.5	+8.4		222.8		-588	-1182	874,179	629,024		
184	1650		245° 9.1'	-1.6°	7.5	89° 20'	+19.2	+11.72	11.8	226.2	TP	-735	-1977	874,032	628,729		
184	1650				12.1	89° 10'	+24.0	+11.95			TP						
	1320		50° 29.8' +180°	-1.6°	+6.5	89° 30'	-11.5	-5.07			BS	-868	-995				
	1320				+10.3	89° 20'	-15.4	-5.15	221.1		BS						
185	990		50° 29.8'	-1.6°	0.4	-		-0.4		220.7		+651	+746	873,815	628,480		
186	660		"	"	6.1	-		-6.1		215.0		+434	+497	873,598	628,231		
187	330		"	"	7.9	-		-7.9		213.2		+217	+249	873,381	627,983		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 5/15/80	INSTRUMENT MAN G LITZINGER	ROD MAN G Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY JLW	LINE NO. 9	PAGE 16
AREA Georgia	TOPO MAP Statesboro	STATE Georgia	COUNTY Bulloch	TWP	RANGE	PPM
				PARTY MANAGER DAVIS		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									221.1							
188	0				5.4	-		-5.4		215.7	T	0	0	873,164	627,734	
189	330		234° 43.2'	-1.6°	1.5	-		-1.5		219.6		-198	-264	872,966	627,470	
190	660		"	"	2.9	TH	+3.3	+0.4		221.5		-396	-528	872,768	627,206	
191	990		"	"	2.0	TH	+5.0	+3.0		224.1		-594	-792	872,570	626,942	
192	1310		233° 30.3'	-1.6°	0.2	89° 40'	+7.6	+7.4		228.5	TP	-808	-1031	872,356	626,703	
192	1310				3.9	89° 30'	+11.4	+7.5			TP					
	660		49° 27.2' ± 180°	-1.6°	+132	BH	+3.3	+16.5			BS	-443	-489			
	660				+145	90° 10'	+1.9	+16.4	244.9		BS					
FF	440		51° 6.2'	-1.6°	9.4	-		-9.4		235.5		+286	+335	872,199	626,549	872,205 + 626,535 4-Way Intersect Rt. 67
193	330		49° 27.2'	-1.6°	8.2	-		-8.2		236.7		+221	+245	872,134	626,454	
194	0				5.4	-		-5.4		239.5	T	0	0	871,913	626,214	
195	330		228° 40'	-1.6°	10.1	-		-10.1		234.8		-225	-242	871,688	625,972	
196	655		224° 13.3'	-1.6°	13.0	BH	-3.3	-16.3		228.6	TP	-482	-444+2	871,431	625,772	CURVE
196	655				14.3	90° 10'	-1.9	-16.2			TP					
	655		57° 25' ± 180°	-1.6°	+16	-		+1.6			BS	-368	-542+2			CURVE
	655				+4.8	TH	-3.3	+1.5	230.1		BS					
197	330		54° 42.2'	-1.6°	1.8	TH	+1.7	-0.1		230.0		+198	+264	871,261	625,496	
198	0		"	"	6.9	-		-5.4		224.7	T	0	0	871,063	625,232	
199	330		232° 45.3'	-1.6°	9.6	-		-9.6		220.5		-207	-257	870,856	624,975	
200	660		"	"	9.4	-		-9.4		220.7		-414	-514	870,649	624,718	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
5/15/80		GLITZINGER		G COLCAMP		6834		shd shw		9	17						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Georgia		Statesboro		Georgia	Bulloch					DAVIS							
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									230.1								
201	990		232° 45.3'	-1.6°	7.9	-		-2.92		227.2	TP	-621	-771+2	870,442	624,463		
201	990				7.8	+H	+5.0	-2.85			TP						
	662		78° 29.8' +180	-1.6°	+4.9	91°	+11.6	+16.52			BS	-150	-695+2				
	662				+6.9	90° 50'	+9.6	+16.55	243.7		BS						
202	330		78° 29.8'	-1.6°	11.0	-		-11.0		232.7		+75	+321	870,367	624,141		
203	0				5.4	-		-5.4		238.3	T	0	0	870,292	623,820	OPP STA	
71	102		287° 33.7'	-1.6°	6.3	-		-6.3		237.4		+28	-98	870,320	623,722	870,310 + 623,715 7-Pd (S) el. 237.	
204	330		290° 45.4'	-1.9°	11.4	-		-11.4		232.3		+109	-311	870,401	623,509		
205	660		" "	"	10.8	91°	-11.5	-22.3		221.4		+219	-623	870,511	623,197		
206	990		290° 45.4'	-1.9°	14.7	91° 10'	-20.2	-34.9		208.8	TP	+328	-934+2	870,620	623,888		
	1645		100° 23.6' +180	-1.9°	+7.7	88° 46'	-38.3	-28.62			BS	+257	-1625+2			CURVE	
	1645		"		+14.6	88° 30'	-43.0	-28.45	28.5	180.3	BS						
207	1320		99° 14.2'	-1.9°	7.0	89°	+23.0	+16.0		196.3		-180	+1308	870,697	622,573		
208	990		" "	"	13.0	89°	+17.3	+4.3		184.6		-135	+981	870,742	622,246		
209	660		" "	"	2.7	-		-2.7		177.6		-90	+654	870,787	621,919		
210	330		" "	"	3.9	-		-3.9		176.4		-45	+327	870,832	621,592		
211	0				5.4	-		-5.4		174.9	T	0	0	870,877	621,265		
212	330		279° 16.8'	-1.9°	5.3	-		-5.3		175.0		+45	-327	870,922	620,938		
213	660		" "	"	4.8	-		-4.8		175.5		+90	-654	870,967	620,611		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
5/15/90		G LITZINGER		G COLEMAN		6834		MLP		9	18			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
GEORGIA		Statesboro		Georgia		Bulloch						DAVIS		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									180.3					
214	990		279° 16.8'	-1.4°	4.5	-		-4.5		175.8		+136	-981	871,013 620,284
215	1320				3.5	-		-3.5		176.8		+181	-1308	871,058 619,957
216	1650		279° 16.8'	-1.4°	2.2	-		-2.2			TP	+226	-1634+2	871,103 619,633
216	1650				10.6	TH	+8.3	-2.3		178.0	TP			
	1650		103° 12.8' +180	-1.4°	+14.9	-		+14.9	192.9		BS	+338	-1615+2	
	1650				+6.7	BH	+8.3	+15.0			BS			
217	1320		103° 12.8'	-1.4°	11.8	-		-11.8		181.1		-270	+1292	871,171 619,312
218	990		" "	"	9.2	-		-9.2		183.7		-203	+969	871,238 618,984
219	660		" "	"	7.7	-		-7.7		185.2		-135	+646	871,306 618,666
220	330		" "	"	7.0	-		-7.0		185.9		-68	+323	871,373 618,343
221	0				5.4	-		-5.4		187.5	T	0	0	871,441 618,020
1K	93		276° 3.4'	-1.4°	3.6	-		-3.6		189.3		+8	-93	871,449 617,927 871,450 + 617,930 Trod (in) e.l. 189.
222	330		283° 19.5'	-1.4°	1.8	TH	+1.7	-0.1		192.8		+68	-323	871,509 617,697
223	660		" "	"	1.9	89° 20'	+7.7	+5.8		198.7		+136	-646	871,577 617,374
224	990		" "	"	3.8	89° 20'	+11.5	+7.7		200.6		+205	-969	871,646 617,051
225	1320		283° 19.5'	-1.4°	10.6	89° 20'	+15.4	+4.8			TP	+273-2	-1292	871,712 616,728
225	1320				14.5	89° 10'	+19.2	+4.7		197.6	TP			
	1320		108° 27.8' +180	-1.4°	+7.1	89° -	-23.0	-15.9			BS	+387-2	-1262	
	1320				+3.2	89° 10'	-19.2	-16.0	181.6		BS			
226	990		108° 27.8'	-1.4°	8.0	89° -	+17.3	+9.3		190.9		-290	+946	871,807 616,412

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 5/15/80	INSTRUMENT MAN G LITZINGER	ROD MAN G Lotcamp	PARTY NUMBER 6834	NOTES CHECKED BY BRV	LINE NO. 9	PAGE 19
AREA Georgia	TOPO MAP Statesboro	STATE Georgia	COUNTY Bulloch	TWP	RANGE	PPM new
				PARTY MANAGER DAVIS		

STATION NO.	SLOPE DISTANCE	PLOTTING 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			
									181.6									
227	660		108° 27.8'	-1.9°	0.1	TH	+3.3	+3.2		184.8		-194	+631	871,903	616,097			
228	330		" "	"	1.7	-		-1.7		179.9		-97	+315	872,000	615,781			
229	0				5.4	-		-5.4		176.2	TP	0	0	872,097	615,466			
230	330		279° 38.8'	-1.9°	7.2	-		-7.2		174.4		+47	-327	872,144	615,139			
231	660		" "	"	8.1	-		-8.1		173.5		+95	-653	872,192	614,813			
232	990		279° 38.8'	-1.9°	8.3	-		-8.3		173.3		+192	-980	872,239	614,484			
233	1315		278° 49.2'	-1.9°	8.4	-		-8.4		173.2	TP	+170-2	-1309+	872,265	614,163	CURVE		
	1320				1.8	BH	-6.6	-8.4			TP							
	1320		97° 22' +180°	-1.9°	+12.7	-		+12.7			BS	+130	-1319+					
	1320				+6.1	BH	+6.6	+12.7	185.9		BS							
234	990		97° 2.2'	-1.9°	12.4	-		-12.4		173.5		-97	+985	872,298	613,836			
235	660		" "	"	10.6	-		-10.6		175.3		-65	+657	872,330	613,508			
236	330		" "	"	8.4	-		-8.4		177.5		-32	+328	872,363	613,179			
237	0				5.4	-		-5.4		180.5	TP	0	0	872,395	612,851			
237	157		272° 29.5'	-1.9°	2.3	-		-2.3		183.6		+3	-157	872,398	612,694	872,400 + 612,680 4 way Intersect. el. 183.		
238	330		276° 37.3'	-1.9°	0.3	-		-0.3		185.6		+30	-329	872,425	612,522			
239	660		" "	"	4.6	89°-	+11.5	+6.9		192.8		+60	-657	872,455	612,194			
240	987		275° 6.9'	-1.9°	5.8	89°-	+17.2	+11.4		197.3	TP	+64	-985+2	872,459	611,868			
240	987				2.9	89°10'	+14.4	+11.5			TP							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 5/15/80	INSTRUMENT MAN G LITZINGER	ROD MAN G GOTCAMP	PARTY NUMBER 6834	NOTES CHECKED BY Bul	LINE NO. 9	PAGE 20 of 20
AREA Georgia	TOPO MAP Statesboro	STATE Georgia	COUNTY Bulloch	TWP	RANGE	PPM
				PARTY MANAGER DAVIS		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
240	984		89° 21.6' +180°	-1.9°	+13.9	-		+13.97			BS	-35	-983.2		
	984				+9.0	BH	+4.9	+13.97	211.2		BS				
241	660		90° 7.5'	-1.9°	10.6	-		-10.6		200.6		+15	+660	872,439	611,547
242	330		"	"	6.8	-		-6.8		204.4		+7	+330	872,431	611,217
243	0				5.4	-		-5.4		205.8	T	0	0	872,424	610,987
244	330		273° 19'	-1.9°	5.4	-		-5.4		205.8		+11	-330	872,435	610,557
IF	947		272° 59.1'	-1.9°	1.6	-		-1.6		209.6		+26	-947	872,450	609,940
															872,450 + 609,990 + trail (n) el. 208