

FIELD NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
4-10-84		B. Cotnam		R. Trowbridge		6834		B.C.		15		1							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Georgia		UPAD1-7 1/2		Georgia		TALBOT								L.O. Davis					
STATION NO.	SLOPE 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				
#1	222		78° 09' 44"	-0.6	5.4	TH	-1.1	+4.3			BS								
#2	208		74° 58' 58"	+	4.7	TH	-1.0	+3.7											
#3	201		75° 21' 12"	+	4.8	TH	-1.0	+3.8											
#4	200		71° 57' 47"	+	3.5	-		+3.5		517.0	Bm EL.								
#5 R	223		74° 05' 59"	+	3.8	-		+3.8	520.8		BS	+63	+214						Tr. Approx. Location of Em. EL: 517.0
π	0				5.2	-		-5.2		515.6	π	0	0	928870	348124				5 - 928,930 x - 348,045 If π - 2uten.
If	62		320° 53' 30"	-0.6	5.1	93°	-3.2	-8.3		512.5		+48	-40						
TP High	545	544.6	347° 26' 08"	--	9.1	92° 10'	-20.6	-29.7		491.1	TP	-530	+124	929400	348000				Horizontal 5 - 929,400 x - 348,000 If π - 2uten.
TP	1400	1399.85	192° 54' 03"	--	7.5	90° 50'	-20.4	-27.9		492.9	TP	-1368	-298	927502	347826				TRAVERSE to B.O.L.
TP	1400				7.6	269° 10'	-20.4	-28.0			TP								↓ ↓ ↓ ↓
	2093		17° 48' 21"	--	+14.7	89° 10'	-30.4	-15.7	477.3		BS	-1999	-619						
	2093				+14.9	270° 50'	-30.4	-15.5	15.6		BS								
π	0				5.2	-		-5.2		472.1	π	0	0	925503	347207				
TP	1292		164° 17' 36"	--	13.2	90° 20'	-7.5	-20.7		456.5	TP	-1240	+363						
TP	1292				13.4	270° 10'	-7.5	-20.9			TP								
	1636	1635.0	342° 16' 16"	-0.6	+10.8	88°	-57.1	-46.3	410.2		BS	-1552	+514						
	1636			+	+10.8	272°	-57.1	-46.3			BS								
If	823		180° 28' 20"	--	6.3	91°	-14	-20.7		389.5		-823	+2	921888	348086				
1	988		180° 21'	--	11.0	91°	-17.2	-28.2		382.0	1	-988	+4	921723	348088				B.O.L. Line 15
2	660		178° 23'	--	7.2	90° 50'	-16.8			393.4		-660	+26	922051	348110				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
4-10-84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		2				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		UPATOI - 7 1/2'		GEORGIA		TALBOT								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									410.2							
3	330		176° 10'	-0.6	6.6	90° 50'	-4.8	-11.4		398.8		-329	+26	922,382	348,110	
4	0				5.2	-	-5	-5.2		405.0	π	0	0	922,711	348,084	
5	330		349° 00'	--	7.0	88° -	+11.5	+4.5		414.7		+323	-66	923,034	348,018	
6	659		346° 04'	--	9.1	88° -	+23.0	+13.9		424.1		+638	-165	923,349	347,917	
7	989		344° 44'	--	11.3	88° -	+34.5	+23.2		433.4		+951	-270	923,662	347,814	
8	1319		343° 55'	-0.6	11.8	88° -	+46.0	+34.2		444.4		+1263	-379	923,974	347,705	
9	1648		343° 21'	--	10.9	88° -	+57.5	+46.6		456.8		+1574	-489	924,285	347,595	
10	1977		343° 02'	--	10.3	88° -	+69.0	+58.7		468.9		+1885	-597	924,596	347,487	
11	2307		342° 44'	--	8.8	88° 14'	+71.1	+62.3		472.5		+2196	-708	924,907	347,376	
TP	2469	2467.8	342° 05' 50"	--	13.1	88° 14'	+76.1	+63.0		473.1	TP	+2340	-783	925,051	347,301	left side of ROAD
TP	2469				13.4	271° 46'	+76.1	+62.7	+62.9		TP					
	624		175° 31' 38"	-0.6	7.5	-		+7.5	480.6		BS	+622	-55			
	624				10.6	TH	-3.1	+7.5			BS					
12	453		175° 13'	--	8.1	-		-8.1		472.5		-451	+43	925,222	347,289	
11	191		180° 48' 48"	--	6.7	-		-6.7		473.9		-191	-1	925,482	347,245	
13	125		173° 51'	--	6.9	-		-6.9		473.7		-124	+15	925,549	347,261	
π	0				5.2	-		-5.2		475.4	π	0	0	925,673	347,246	
14	212		17° 51'	-0.6	6.1	89° -	+3.7	-2.4		478.2		+202	+63	925,875	347,309	
15	541		" "	--	7.6	89° -	+9.4	+1.8		482.4		+517	+160	926,190	347,406	
16	871		" "	--	8.2	89° -	+15.2	+7.0		487.6		+832	+258	926,505	347,504	

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GEO-445

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
4.10.84		B. Cotcamp		R. Trumbidge		6834		R.T.		15	3			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
Georgia		UPATOR - 7 1/2'		Georgia		TALBOT					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING 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.	
									480.6					
17	1201		17° 51'	-0.6	9.3	89° -	+21.0	+11.7		492.3		+1147	+356	926820 347602
18	1531		" "	" "	11.3	89° -	+26.7	+15.4		496.0		+1462	+454	927135 347700
19	1861		" "	" "	8.1	89° 20'	+21.6	+13.5		494.1		+1777	+552	927450 347798
TP	2149		18° 11' 55"	" "	14.2	89° 22'	+23.7	+7.9		488.5	TP	+2048	+650	927721 347896
TP	2149				14.3	270° 38'	+23.7	+7.8			TP			
	1114		146° 16' 25"	-0.6	6.1	90° 30'	+9.7	+15.8			BS	+920	-628	
	1114				6.2	269° 30'	+9.7	+15.9	5044		BS			
20	1080		144° 55'	" "	8.8	90° 30'	-9.4	-18.2		486.2		-877	+630	927764 347898
21	1065		145° 18' 07"	" "	8.7	90° 30'	-9.3	-18.0		486.4	W	-869	+615	927772 347883
21	745		144° 33'	" "	12.6	90° 40'	-8.7	-21.3		483.1		-602	+438	928039 347706
22	415		145° 10'	" "	7.6	90° 30'	-3.6	-11.2		493.2		-338	+241	928303 347509
23	85		" "	" "	5.3	88° 30'	-2.2	-7.5		496.9		-69	+49	928572 347317
24	0				5.2	-		-5.2		499.2	W	0	0	928641 347268
24	245		324° 54'	-0.6	7.1	92° -	-8.5	-15.6		488.8		+199	-143	928840 347125
25	575		" "	" "	10.0	92° -	-20.1	-30.1		474.3		+467	-336	929108 346932
25	599		323° 31' 30"	" "	9.5	92° -	-20.9	-30.4		474.0	W	+478	-361	929119 346907
26	891		319° 34'	" "	12.0	92° -	-31.1	-43.1		461.3		+672	-585	929313 346683
TP	995	994.2	318° 10' 30"	" "	9.6	92° 14'	-38.7	-48.3		456.1	TP	+734	-671	929375 346597
TP	995				9.6	267° 46'	-38.7	-48.3			TP			

W 4-921,805 X-347,895  
W 4-Inter

W 4-929,145 X-346,920  
W 4-way Int

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4.10.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	C.Y. R.T.	LINE NO.	15	PAGE	4
AREA	GEORGIA	TOPO MAP	UPATOI - 7 1/2'	STATE	GEORGIA	COUNTY	TALBOT	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.	
										456.1				
	695	694.3	136° 55' 07"	-0.6	7.8	87° 30'	-30.3	-22.5	433.6		BS	+502	-480	
	695				7.8	272° 30'	-30.3	-22.5			BS			
27	478		138° 58'	--	7.7	87° 50'	+18.1	+10.4		444.0		-357	+318	929520 346435
28	155		126° 34'	--	6.7	87° 50'	+5.9	-0.8		432.8		-91	+125	929526 346242
27	0				5.2	-		-5.2		428.4	TP	0	0	929877 346117
29	218		5° 11'	-0.6	7.7	89° 20'	+2.5	-5.2		428.4		+217	+17	930094 346124
30	544		0° 01'	--	10.0	89° 20'	+6.3	-3.7		429.9		+544	-6	930421 346111
31	874		0° 54'	--	12.0	89° 20'	+10.2	-1.8		431.8		+874	+5	930751 346122
32	1204		1° 26'	--	7.6	89° 20'	+14.0	+6.4		440.0		+1204	+18	931081 346135
33	1534		1° 40'	--	6.6	89° 10'	+22.3	+5.7		449.3		+1534	+29	931411 346146
TP	1687	1686.7	1° 10' 16"	--	8.7	89° 10'	+24.5	+15.8		449.4	TP	+1687	+17	931564 346134
TP	1687				8.8	270° 50'	+24.5	+15.7			TP			TP 4 way int.
	3384		174° 02' 31"	-0.6	4.4	-		+4.4			BS	+3362	-386	
	3384				4.5	270° -		+4.5	453.9		BS			
34	3210		173° 28'	--	8.3	-		-8.3		445.6		-3185	+399	931741 346147
35	2880		" "	--	9.9	90° 20'	-16.8	-26.7		427.2		-2858	+358	932068 346106
36	2550		173° 21'	--	9.0	90° 54'	-10.1	-49.1		404.8		-2530	+322	932396 346050
37	2220		173° 20'	--	12.2	91° 14'	-47.8	-60.0		393.9		-2202	+281	932724 346029
38	1890		173° 17'	--	19.5	91° 16'	-41.8	-61.3		392.6	bridge	-1875	+241	933051 345969
39	1560		173° 11'	--	17.3	91° 16'	-34.5	-51.8		402.1		-1547	+201	933379 345949

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GEO-445

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4.10.84		B. Cotcamp		R. Trowbridge		6834		R.T.		15		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		UPATOI - 1/2'		GEORGIA		TALBOT								L.O. Davis	
STATION NO.	SLOPE 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
									453.9						
40	1232		172° 47'	-0.6	10.9	91° -	-21.5	-32.4		421.5		-1221	+168	933785	345916
41	902		172° 37'	--	6.6	91° -	-15.7	-22.3		431.6		-893	+125	934033	345873
41	791		173° 17' 17"	--	5.2	91° -	-13.8	-19.0		434.9		-785	+101	934141	345849
42	573		171° 31'	--	8.3	90° 30'	-5.0	-13.3		440.6		-566	+90	934360	345828
43	243		170° 23'	--	5.1	90° 30'	-2.7	-7.2		446.7		-239	+43	934687	345791
π	0				5.2	-		-5.2		448.7	π	0	0	934926	345748
44	88		344° 25'	-0.6	5.2	89° 20'	+1.0	-4.2		449.7		+85	-25	935011	345723
45	418		342° 15'	--	5.0	90° 40'	-4.9	-9.9		444.0		+397	-132	935323	345616
46	747		341° 27'	--	9.8	91° -	-13.0	-22.8		431.1		+706	-245	935632	345503
47	1076		339° 17'	--	11.0	91° -	-18.8	-29.8		424.1		+1002	-391	935928	345357
TP	1157	1156.8	338° 22' 29"	--	9.0	91° -	-20.2	-29.2		424.7	TP	+1071	-438	935997	345310
TP	1157				9.1	269° -	-20.2	-29.3			TP				
	1496		141° 51' 04"	-0.6	10.1	92° -	+52.2	+62.3	487.0		BS	+1166	-936		
	1496				10.0	268° -	+52.2	+62.2			BS				
48	1249		141° 18'	--	12.6	92° -	-43.6	-36.2		430.8		-967	+91	936196	345165
49	919		" "	--	8.7	92° -	-32.1	-40.8		446.2		-711	+582	936452	344956
50	590		" "	--	8.9	91° 30'	-15.4	-24.3		462.7		-457	+374	936706	344748
51	260		138° 47'	--	8.0	90° 30'	-2.3	-10.3		476.7		-194	+173	936969	344547
π	0				5.2	-		-5.2		481.8	π	0	0	937163	344374
52	83		359° 29'	-0.6	6.0	89° 20'	+1.0	-5.0		482.0		+83	-2	937246	344322

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AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		UPATOI - 7 1/2'		GEORGIA		TALBOT								L.O. Davis	
STATION NO.	SLOPE 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
									487.0						
53	407		338° 33'	-0.6	6.9	89° 20'	+47.7	-2.2		484.8		+377	-153	937540	344221
54	736		337° 09'	--	11.4	88° 20'	+21.4	+10.0		497.0		+675	-293	937838	344081
11-	807		336° 40' 27"	--	7.7	88° 30'	+21.1	+13.4		500.4	11-	+738	-327	937901	344047
TP	846	845.7	337° 55' 58"	--	8.1	88° 30'	+22.1	+14.0		501.0	TP	+780	-326	937943	344048
TP	846				8.2	271° 30'	+22.1	+13.9			TP				
	998		171° 30' 22"	-0.6	12.3	84	+5.0	+17.3	518.3		BS	+997	-54		
	998				12.3	84 210-	+5.0	+17.3			BS				
55	781		178° 22'	--	12.0	-		-12.0		506.3		-780	+30	938160	344024
56	453		175° 06'	--	9.3	-		-9.3		509.0		-451	+43	938489	344037
57	129		159° 45'	--	5.8	-		-5.8		512.5		-121	+46	938819	344040
π	0				5.2	-		-5.2		513.1	π	0	0	938940	343994
58	205		353° 27'	-0.6	6.1	88° 30'	+3.4	-0.7		517.6		+203	-26	939143	343968
59	529		342° 54'	--	6.1	89° -	+9.2	+5.7		521.4		+504	-161	939444	343833
60	858		340° 54'	--	12.0	88° 44'	+9.0	+2.0		525.3		+808	-289	939748	343705
61	1186		341° 36'	--	9.2	89° -	+20.7	+11.5		529.8		+1121	-386	940061	343608
TP	1324	1323.8	342° 10' 58"	--	11.2	89°	+23.1	+11.9		530.2	TP	+1256	-418	940196	343576
TP	1324				11.3	271° -	+23.1	+11.8			TP				
	1082	1081.8	172° 37' 47"	-0.6	5.0	88° 50'	-22.0	-17.0			BS	+1071	-150		
	1082				5.0	271° 10'	-22.0	-17.0	513.2		BS				
62	892		171° 22'	--	8.8	88° 30'	+23.3	-14.5		498.71		-880	+143	940387	343569

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4.18.84		B. Cotcamp		R. Troubridge		6834		R.T.		15	7				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Georgia		uPATO - 7/2		GEORGIA		TALBOT					L.O. Davis				
STATION NO.	SLOPE 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
									513.2						
63	564		167° 51'	-0.6	8.4	88° 30'	+14.8	+6.4		519.6		-550	+124	940717	343550
64	235		162° 11'	--	7.7	88° 30'	+6.1	-1.6		511.6		-223	+74	941044	343500
π	0				5.2	-		-5.2		508.0	π	0	0	941267	343426
65	96		336° 12'	--	5.9	88° 30'	+2.5	-3.4		509.8		+87	-40	941354	343386
66	426		" "	--	9.1	87° 20'	+19.8	+10.7		523.9		+388	-176	941655	343250
67	756		" "	--	7.0	87° 20'	+35.1	+28.1		541.3		+688	-312	941955	343114
#	884	883.0	335° 16' 07"	--	5.2	87° 20'	+41.1	+35.9		549.1	#	+798	-378	942065	343048
68	1085	1083.97	336° 39' 09"	--	7.2	87° 30'	+47.3	+40.1		553.3	TP	+991	-440	942258	342987
68	1085				7.2	87° 30'	+47.3	+40.1			TP		+1		
	1166	1165.8	170° 45' 33"	-0.6	9.7	91° -	+26.3	+36.0	583.3		BS	+1149	-199		
	1166				9.7	269° -	+20.3	+30.0			BS		+1		
69	838		170° 04'	--	7.3	91° -	-14.6	-21.9		561.4		-824	+153	942583	342942
70	509		167° 54'	--	5.1	91° -	-8.9	-14.0		569.3		-497	+112	942910	342901
71	180		162° 20'	--	6.2	-		-6.2		577.1		-171	+56	943236	342845
π	0				5.2	-		-5.2		578.1	π	0	0	943407	342789
72	152		330° 12'	-0.6	6.0	-		-6.0		577.3		+131	-77	943538	342712
73	482		325° 33'	--	10.7	84	-2.4	-13.1		570.2		+395	-277	943802	342512
74	811		323° 47' 13"	--	6.4	91° -	-14.2	-20.6		562.7	TP	+649	-486	944056	342304
74	811				6.4	269° -	-14.2	-20.6			TP		+1		

at 942,090 X - 343,050  
at 4 way Int  
Pavement ends

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.10.84		B. Cotcamp		R. Trowbridge		6834		G. J. B.C.		15		8			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		UPATOI - 7 1/2		GEORGIA		TA+BOT								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									562.7						
	1649		129° 21' 40"	-0.6	+8.7	BH	+8.2	+16.9	579.6		BS	+1032	-1286		
	1649				+8.6	BH 270	+8.2	+16.8			BS		+1		
75	1320		129° 02'	--	12.3	90° 30'	-11.5	-23.8		555.8		-821	+1034	944,267	342,053
76	990		129° 36'	--	8.7	91° -	-17.3	-26.0		553.6		-623	+769	944,465	341,788
77	660		130° 06'	--	8.3	91° -	-11.5	-19.8		559.8		-420	+509	944,668	341,528
78	330		132° 06'	--	7.1	91° -	-5.8	-17.9		566.7		-219	+247	944,869	341,266
79	0				5.2	-		-5.2		574.4	X	0	0	945,088	341,019
80	330		328° 04'	-0.6	5.7	88° 20'	+9.6	+2.9		583.5		+278	-177	945,366	340,842
81	660		329° 51'	--	7.2	88° 20'	+19.2	+17.0		591.6		+567	-337	945,655	340,682
82	990		329° 48'	--	7.6	88° 20'	+28.8	+21.2		600.8		+850	-507	945,938	340,512
TP	1153	1152.6	328° 59' 37"	--	5.2	88° 30'	+30.2	+25.0		604.6	TP	+982	-604	946,070	340,416
TP	1153				5.2	271° 30'	+30.2	+25.0			TP		+1		
	1813	1812.7	129° 21' 12"	-0.6	+13.3	89° -	+31.6	-18.3	586.2		BS	+1135	-1414		
	1813				+13.1	271° -	-31.6	-18.5	-18.43		BS		+1		
83	1649		128° 30'	--	7.7	89° 10'	+24.0	+16.3		602.5		-1013	+1301	946,192	340,304
84	1320		" "	--	8.8	89° 30'	+11.5	+2.7		588.9		-811	+1042	946,394	340,045
85	990		" "	--	18.0	89° 30'	+8.6	-9.4		576.8	#	-608	+781	946,597	339,784
86	660		" "	--	11.7	89° 30'	+5.8	-5.9		580.3		-405	+521	946,800	339,524
87	330		" "	--	7.3	88° 30'	+8.6	+1.3		587.5		-203	+260	947,002	339,263
88	0				5.2	-		-5.2		581.0	X	0	0	947,205	339,003

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
4-10-84		B. Cotcamp		R. TROWBRIDGE		6834		R.T.C.		15	9			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
GEORGIA		UPATOI - 7 1/2'		GEORGIA		TALBOT					L.O. Davis			
STATION NO.	SLOPE 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.	
									586.2					
89	330		317° 31'	-0.6	9.1	90° 30'	-2.9	-12.0		574.2		+241	-225	947,446 338,778
90	657		323° 32'	..	5.6	89° 50'	+1.9	-3.7		582.5		+524	-396	947,729 338,607
9 TP	874	873.8	326° 48' 17"	..	14.4	88° 42'	+19.8	+5.4			TP	+726	-486	947,931 338,517
TP	874				14.3	21° 18'	+19.8	+5.5		591.7	TP			
	991		162° 44' 15"	-0.6	11.2	-		+11.2	602.9		BS	+943	-304	
	991				+11.1	270° -		+11.1			BS			
91	880		160° 47'	..	8.6	-		-8.6		594.3		-828	+298	948,046 338,511
92	550		159° 55'	..	5.8	-		-5.8		597.1		-515	+194	948,359 338,407
-11	347		160° 03' 54"	..	4.1	-		-4.1		598.8	-11	-325	+122	948,549 338,335
93	221		155° 52'	..	7.5	89° -	+3.9	-3.6		599.3		-201	+92	948,673 338,305
K	0				5.2	-		-5.2		597.7	K	0	0	948,874 338,213
94	109		333° 43'	-0.6	6.2	90° 40'	-1.3	-7.5		595.4		+97	-49	948,971 338,164
95	439		" "	..	12.0	91° -	-7.7	-19.7		583.2		+392	-199	949,266 338,014
96	769		" "	..	11.3	91° 30'	-20.1	-31.4		571.5		+686	-348	949,560 337,865
97	1099		" "	..	7.8	91° 30'	-28.8	-36.6		566.3		+980	-497	949,854 337,716
98	1429		333° 43'	..	8.9	90° 40'	-16.6	-25.5		577.4		+1275	-646	950,149 337,567
TP	1544		333° 08' 05"	..	7.5	90° 30'	-13.5	-21.0			TP	+1370	-712	950,244 337,501
TP	1544				7.4	269° 30'	-13.5	-20.9		582.0	TP			

9-948,555x-338,345  
JEEP TRAIL

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.11.84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		UPAD: -7 1/2'		G.A.										L.O. Davis	
STATION NO.	SLOPE 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
										582.0					
	586	584.8	128° 51' 34"	-0.6	8.7	86° 20'	-37.5	-28.8	553.2		BS	+363	-459		
	586			+	8.7	273° 40'	-37.5	-28.8		BS					
99	372		130° 13'	--	7.1	86° 20'	+23.7	+16.6		569.8		-237	+287	950,370	335,329
100	43		128° 50'	--	7.1	86° 20'	+2.7	-4.4		548.8		-27	+34	950,580	335,076
π	0				5.2	-		-5.2		548.0	π	0	0	950,607	335,042
101	282		289° 20'	-0.6	5.0	91° 10'	-5.7	-10.7		542.5		+91	-267	950,686	336,775
TP	443		289° 22' 64"	--	3.0	90° 50'	-6.4	-9.4		543.8	TP	+143	-419	950,750	336,623
TP	443				4.3	90° 40'	-5.2	-9.5			TP				
	579	578.7	146° 30' 42"	--	6.1	88° -	-20.2	-14.1			BS	+479	-324		
	579				6.2	272° -	-20.2	-14.0	529.8		BS				
102	409		145° 39'	-0.6	7.2	88° -	+14.3	+7.1		536.9		-335	+234	950,894	336,533
IC	122		140° 51'	--	7.6	-		-7.6		522.2	IC	-94	+78	951,135	336,377
103	82		135° 13'	--	7.2	-		-7.2		522.6		-58	+58	951,171	336,357
π	0				5.2	-		-5.2		524.6	π	0	0	951,229	336,299
104	248		290° 25'	-0.6	5.3	86° -	+17.3	+17.0		541.8		+84	-233	951,313	336,066
105	577		290° 51'	--	9.1	86° -	+40.2	+31.1		560.9		+200	-541	951,429	335,758
TP	668	666.6	289° 63' 08"	--	4.5	86° 20'	+42.7	+38.2		568.0	TP	+211	-632	951,440	335,667
TP	668				6.5	86° 10'	+44.7	+38.2			TP				
	195	194.1	103° 58' 52"	--	5.0	95° 30'	+18.7	+23.7	591.7		BS	+45	-189		
	195				5.5	95° 20'	+18.1	+23.6			BS				

IC - 951,110 x - 336,400 Bridge

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-11-84		B. Cotcamp		R. Trowbridge		6834		C.Y. R.T.		15		11			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		WPA 201-7 1/2'		GEORGIA		HARRIS								L.O. Davis	
STATION NO.	SLOPE 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
									591.7						
π	0				5.2	-		-5.2		586.5	π	0	0	951485	335478
106	41		308° 38'	-0.6	5.2	84° 20'	+4.0	-1.2		590.5		+25	-32	951510	335476
107	366		296° 51'	--	12.3	86° 40'	+21.2	+8.9		600.6		+162	-328	951647	335150
TP	267	266.5	295° 12' 24"	-0.8	9.3	86° 30'	+16.3	+7.0		598.7	TP	+110	-243	951595	335235
TP	267				8.5	86° 40'	+15.5	+7.0			TP				
	422		112° 01' 42"	--	+10.9	-		+10.9		609.6	BS	+153	-393		
	422				+13.0	TH	-2.1	+10.9			BS				
108	0				5.2	-		-5.2		604.4	π	0	0	951748	334812
TP	234		318° 36' 25"	--	6.1	92° -	-8.2	-14.3		595.3	TP	+173	-157	951921	334685
TP	234			--	5.5	92° 10'	-8.8	-14.3			TP				
	557		176° 39' 59"	-0.6	+4.0	89° -	-9.7	-5.7		589.6	BS	+549	-96		
	557				+4.0	211° -	-9.7	-5.7			BS	-1			
109	453		169° 31'	--	6.0	89° -	+7.9	+1.9		591.5		-445	+87	952024	334676
110	123		" "	--	7.9	89° -	+2.1	-5.8		583.8		-121	+24	952348	334613
π	0				5.2	-		-5.2		584.4	π	0	0	952469	334589
111	206		354° 40'	-0.6	10.0	89° 20'	+2.4	-7.6		582.0		+205	-21	952674	334568
112	536		356° 15'	--	10.2	89° 40'	+3.1	-7.1		582.5		+534	-41	953003	334548
TP	800		355° 16' 26"	--	4.6	89° -	+14.0	+9.4		599.0	TP	+796	-74	953264	334515
TP	800				4.6	211° -	+14.0	+9.4			TP	-1			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4.11.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	15	PAGE	12
AREA	GEORGIA	TOPO MAP	UPATOI - 7 1/2 Waverly Hall G.A.	STATE	G.A.	COUNTY	HARRIS	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.	
										599.0				
	620		149° 25' 16"	-0.6	7.0	91° -	+10.8	+17.8	616.8		BS	+530	-321	
	620				5.1	91° 16'	+12.6	+17.7		BS	-1			
113	551		149° 12'	"	7.8	91° 10'	-11.2	-19.0		597.8		-470	+287	953323 334481
114	225		144° 13'	"	7.9	91° 10'	-4.6	-12.5		604.3		-181	+133	953612 334327
π	0				5.2	-		-5.2		611.6	π	0	0	953793 334194
115	105		322° 38'	-0.6	7.4	89° 40'	+0.6	-6.8		610.0		+83	-65	953876 334129
116	435		" "	"	7.9	89° 40'	+2.5	-5.4		611.4		+343	-268	954136 333926
117	765		" "	"	9.7	89° 10'	-11.1	+1.4		618.2		+603	-471	954396 333723
TP	1057		322° 13' 27"	"	4.0	89° -	+18.4	+14.4		631.2	TP	+829	-656	954621 333538
TP	1057				4.1	271° -	+18.4	+14.3			TP	-1		
	1355	1359.2	154° 44' 51"	-0.6	4.0	92° -	+47.3	+51.3			BS	+1219	-591	
	1355				4.1	268° -	+47.3	+51.4	682.6		BS	-1		
118	1315		154° 10'	"	8.2	91° 50'	-42.1	-50.3			632.3		-1178	+585
119	988		153° 52'	"	7.3	92° -	-34.5	-41.8		640.8		-882	+444	954957 333391 UPATOI - 7 1/2 ↑
120	659		154° 08'	"	8.8	92° -	-23.0	-31.8		650.8		-590	+294	955249 333241 WAVERLY HALL - 7 1/2
121	330		153° 56'	"	8.4	92° -	-11.5	-19.9		662.7		-295	+148	955544 333095
122	0				5.2	-		-5.2		677.4	π	0	0	955839 332947
TP	215		325° 22' 17"	"	5.8	-		-5.8			TP	+176	-124	956014 332823
TP	215				6.8	74	+1.1	-5.7		676.9	TP	-1		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4:11.84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		13			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Waverly Hall-7 1/2'		GEORGIA		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									676.9						
	350		160 13 53	-0.6+	9.1	-		+9.1			BS	+328	-122		
	350				+7.4	BH	+1.8	+9.2	686.1		BS	-1			
123	237		161 25	--	8.8	-		-8.8		677.3		-224	+78	956117	332779
X	0				5.2	-		-5.2		680.9	X	0	0	956341	332701
124	93		336 08	--	5.3	88 40	-2.2	-3.1		683.0		+85	-39	956426	332662
125	418		320 00	--	6.0	87 50	+15.8	+9.8		695.9		+317	-272	956658	332429
TP	635	634.6	320 46 49	--	2.7	87 50	+24.0	+21.3		707.4	TP	+487	-406	956827	332295
TP	635				4.6	87 40	+25.9	+21.3			TP	-1			
	536		156 04 30	-0.6+	8.4	91 -	+9.4	+17.8	725.2		BS	+488	-222		
	536				+13.1	90 30	+4.7	+17.8			BS	-1			
126	423		153 19	--	8.7	90 40	-4.9	-13.6		711.6		-376	+194	956938	332267
127	96		142 56	--	6.9	89 50	+0.3	-6.6		718.6		-76	+59	957238	332132
X	0				5.2	-		-5.2		720.0	X	0	0	957314	332073
128	235		309 56	-0.6	5.7	87 30	+10.2	+4.5		729.7		+149	-182	957463	331891
TP	415	414.6	302 48 25	--	8.0	87 30	+18.1	+10.1		735.3	TP	+221	-351	957534	331722
TP	415				6.8	87 40	+16.9	+10.1			TP	-1			
	2015	2014.6	120 18 07	--	+6.9	91 10	+41.0	+47.9	783.2		BS	+998	-1750		
	2015				+6.8	268 50	+41.0	+47.8			BS	-1			
129	1871		120 30	--	8.9	91 20	-43.5	-52.4		730.8		-933	+1622	957598	331594
130	1541		" "	--	12.2	91 20	-35.2	-48.0		735.2		-768	+1336	957763	331208

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
4.11.84		B. Cotcamp		R. Trowbridge		6834		R.T. C.J.		15	14				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
GEORGIA				G.A.		HARRIS					L.O. Davis				
STATION NO.	SLOPE 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
									783.2						
131	1211		120° 17'	-0.6	9.1	92° 10'	-45.8	-54.9		728.3		-600	+1052	957931	331024
132	881		119° 32'	--	11.3	92° 24'	-36.9	-48.2		735.0		-426	+771	958105	330743
133	552		119° 46'	--	6.8	92°	-19.3	-26.1		757.1		-269	+482	958262	330454
134	222		121° 23'	--	6.8	92°	-7.7	-14.5		768.7		-114	+191	958417	330163
π	0				5.2	-		-5.2		778.0	π	0	0	958531	329972
135	108		301° 58'	-0.6	6.4	92°	-3.8	-10.2		773.0		+56	-92	958587	329880
136	438		" "	--	11.2	91°	-7.6	-18.8		764.4		+228	-374	958759	329598
137	768		" "	--	10.1	90° 30'	-6.7	-16.8		766.4		+400	-656	958931	329316
π	926		301° 22' 50"	--	9.2	-		-9.2		774.0	π	+474	-796	959005	329176
Δ	1757		254° 45' 27"	--	6.5	-		-6.5		776.7	Δ	-480	-1690	958051	328262
138	1098		303° 09'	--	9.9	-		-9.9		773.3		+591	-926	959122	329046
TP	1376		303° 10' 13"	-0.8	12.1	-		-12.1		771.1	TP	+737	-1162	959268	328810
TP	1376				12.0	270°		-12.0			TP				
	422	421.4	172° 49' 34"	--	4.7	87°	-22.1	-17.4	753.7		BS	+417	-58		
	422				3.5	87° 10'	-20.8	-17.3			BS				
139	327		164° 48'	--	6.4	86° 40'	+19.0	+12.6		766.3		-314	+90	959371	328842
140	0				5.2	-		-5.2		948.5	π	0	0	959685	328752
141	330		0° 58'	--	10.1	90° 50'	-4.8	-14.9		738.8		+330	+1	960015	328753
142	660		1° 04' 03"	--	9.5	90° 50'	-9.6	-19.1		734.6	TP	+660	+3	960345	328755
142	660				7.6	91°	-11.5	-19.1			TP				

958765 x=329225  
 4 way Int.  
 958051 x=328282  
 U.S.C. & G.S. Δ EL. 776.7  
 Ridgeway 1930 Horiz. = 11  
 CORR. X. +6

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.11.84		B. Cotcamp		R. Trowbridge		6834		R.T. G.J.		15		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Waverly HAH-7 1/2'		G.A.		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									710.4						
	2149	2148.7	181° 10' 52"	-0.8°	+13.5	89° -	-37.5	-24.0	710.4		BS	+2149	+14		
	2149				+13.2	271° -	-37.5	-24.3	710.4		BS				
143	1820		181° 18'	--	5.7	89° 10'	+26.5	+20.8		731.2		-1820	-16	960,674	328,753
144	1490		" "	--	9.2	89° 20'	+17.3	+8.1		718.5		-1490	-13	961,004	328,756
145	1160		" "	--	10.7	89° 30'	+10.1	-0.6		709.8		-1160	-10	961,334	328,759
146	830		181° 18'	-0.8°	10.3	89° 30'	+7.2	-3.1		707.3		-830	-7	961,664	328,762
147	500		" "	--	8.0	89° 30'	+4.4	-3.6		706.8		-500	-4	961,994	328,765
148	170		" "	--	7.0	88° 10'	+5.4	-1.6		708.8		-170	-1	962,324	328,768
X	0				5.2	-	-	-5.2		705.2	X	0	0	962,494	328,768
149	160		1° 22'	-0.8°	6.8	91° 30'	-4.2	-11.0		699.4		+160	+2	962,654	328,770
150	490		" "	--	10.4	91° 50'	-15.7	-26.1		684.3		+490	+5	962,984	328,773
151	820		" "	--	8.2	91° 50'	-26.2	-34.4		676.0		+820	+8	963,314	328,776
152	1151	1150.8	1° 13' 11"	--	7.6	91° 10'	-23.4	-31.0		679.4	TP	+1151	+8	963,645	328,776
152	1151				7.5	268° 50'	-23.4	-20.9			TP				
	1314	1313.9	191° 27' 04"	-0.8°	+4.6	89° 10'	-19.1	-14.5			BS	+1291	+243		
	1314				+4.5	270° 50'	-19.1	-14.6		664.8	BS				
153	985		192° 19'	--	8.6	89° -	+17.2	+8.6		673.4		-965	-197	963,971	328,822
154	657		191° 05'	--	7.9	89° -	+11.5	+3.6		668.4		-646	-117	964,290	328,802
155	328		185° 50'	--	7.0	89° -	+5.7	-1.3		663.5		-327	-29	964,609	328,890
156	0				5.2	-	-	-5.2		659.6	X	0	0	964,936	329,019

KEY NOTES - HIGH RESOLUTION DATA

445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTE CHECKED BY		LINE NO.		PAGE			
4-11-84		B. Cotcamp		R. Trowbridge		6834		RT. C.Y.		15		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		WAVERLY MAP - 7 1/2'		G.A.		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									664.8						
157	330		348° 44'	-0.8°	6.5	89° 50'	+1.0	-5.5		659.3		+323	-69	965259	328950
158	659		345° 11'	--	9.8	89° 50'	+1.9	-7.9		656.9		+635	-177	965571	328842
JL	777		343° 36' 50"	--	9.9	89° 50'	+2.3	-7.6		657.2	JL	+742	-230	965678	328789 JL
159	989		344° 06'	--	10.8	89° 50'	+2.9	-7.9		656.9		+947	-284	965883	328735
160	1318		344° 45'	--	10.8	89° 50'	+3.8	-7.0		657.8		+1267	-364	966203	328655
TP	1489		344° 46' 30"	--	8.0	89° 50'	+4.3	-3.7		661.1	TP	+1431	-411	966367	328608
TP	1489				7.9	270 10	+4.3	-3.6			TP				
	2144		187° 07' 52"	-0.8°	9.7	90° 40'	+24.9	+34.6	695.5		BS	+2131	+236		
	2144				9.4	269° 20'	+24.9	+34.3	914		BS				
161	1978		186° 29'	--	9.2	90° 40'	-23.0	-32.2		663.3		-1968	-196	966530	328648
162	1648		" "	--	11.1	90° 30'	-14.4	-25.5		670.0		-1640	-163	966858	328681
163	1318		186° 68'	--	12.6	90° 30'	-11.5	-24.1		671.4		-1312	-123	967186	328721
164	989		185° 14'	--	10.8	90° 40'	-11.5	-22.3		673.2		-986	-76	967515	328768
165	660		183° 53'	--	9.6	90° 40'	-7.7	-17.3		678.2		-659	-36	967839	328808
166	330		182° 35'	--	5.8	90° 40'	-3.8	-9.6		685.9		-330	-10	968168	328834
167	0				5.2	-		-5.2		690.3	X	0	0	968498	328844
168	330		2° 00'	-0.8°	5.0	89° 30'	+2.9	-2.1		693.4		+330	+7	968828	328851
IF	354		359° 55' 43"	--	4.6	89° 30'	+3.1	-1.5		694.0	IF	+354	-5	968852	328839 IF
169	660		2° 00'	--	6.3	89° 20'	+7.7	+1.4		696.9		+660	+14	969158	328858
170	990		" "	--	11.1	89° 20'	+11.5	+0.4		695.9		+990	+21	969488	328865

y - 965.600 x - 328,710  
IL Bridge

y - 968.800 x - 328,840  
IF T-Inter.

KEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-11-84		B. Cotcamp		R. Trowbridge		6834		R.T. C.Y.		15		17			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		WAVERLY HALL - 7 1/2		GEORGIA		MARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									6955						
TP	1178		1° 54' 54"	-0.8°	9.9	TH	+5.9	-4.0		6915	TP	+1178	+23	919,676	328,867
TP	1178				9.8	TH 270°	-5.9	-3.9			TP				
	1070		179° 54' 14"	"	+7.8	89° 10'	-15.6	-7.8			BS	+1070	-17		
	1070				+7.7	270° 50'	-15.6	-7.9	6836		BS				
171	928		179° 20'	"	7.7	89° 20'	+10.8	+3.1		686.7		-928	+24	919,818	328,874
172	599		177° 42'	"	10.1	89° 20'	+7.0	-3.1		680.5		-598	+32	970,148	328,882
173	270		173° 10'	"	8.1	89° 20'	+3.1	-5.0		678.6		-268	+36	970,478	328,886
X	0				5.2	-		-5.2		678.4	X	0	0	970,746	328,850
174	59		340° 34'	-0.8°	6.1	89° 20'	+0.7	-5.4		678.2		+55	-20	970,801	328,830
175	387		333° 27'	"	10.2	89° 20'	+4.5	-5.7		677.9		+344	-178	971,090	328,672
176	716		330° 04' 22"	"	6.3	89° 20'	+8.3	-3.0		685.6	TP	+615	-366	971,361	328,484
176	716				4.2	89° 30'	+6.3	+2.1			TP				
	1977		136° 35' 54"	-0.8°	2.8	TH	-9.9	-7.1	675.3		BS	+1417	-1378		
	1977				+2.5	TH 270°	-9.9	-7.4	93		BS				
177	1650		135° 30'	"	8.0	89° 30'	+11.7	+6.4		684.7		-1161	+1173	971,617	328,279
178	1320		135° 35'	"	10.1	89° 40'	+7.7	-2.4		675.9		-930	+937	971,848	328,043
179	990		135° 44'	"	8.7	89° 40'	+5.8	-2.9		675.4		-699	+701	972,079	327,807
180	660		136° 06'	"	6.3	89° 40'	+3.8	-2.5		675.8		-469	+464	972,309	327,570
181	330		137° 35'	"	8.3	89° 40'	+1.9	-6.4		671.9		-240	+226	972,538	327,332
JC	324		139° 12' 56"	"	8.3	89° 40'	+1.9	-6.4		671.9	JC	-242	+215	972,536	327,321

J-972,500 X-327,325  
JC Bridge

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTICE CHECKED BY		LINE NO.		PAGE			
4-11-84		B. Cotcamp		R. TROWBRIDGE		6834		R.T. C.J.		15		18			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Waverly HALL - 7 1/2'		GEORGIA		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									678.3						
182	0				5.2	-		-5.2		673.1	TP	0	0	972,778	327,106
183	330		319° 50'	-0.8	7.2	88° 40'	+7.7	+0.5		678.8		+249	-216	973,027	326,890
184	660		" "	" "	9.3	88° 40'	+15.4	+6.1		684.4		+498	-433	973,276	326,673
185	990		" "	" "	9.4	88° 40'	+23.0	+13.6		691.9		+748	-649	973,526	326,457
186	1319	1318.6	319° 52' 11"	" "	7.0	88° 40'	+30.7	+23.7		702.0	TP	+996	-864	973,774	326,242
186	1319				6.9	271° 20'	+30.7	+23.8			TP				
	1195		144° 41' 51"	-0.8	4.3	TH	-6.0	-1.7			BS	+966	-704		
	1195				5.2	89° 40'	-7.0	-1.8	7002		BS				
187	865		146° 07'	" "	2.6	89° 58'	+0.5	-2.1		698.1		-711	+492	974,029	326,030
187	1037		146° 02' 25"	" "	2.6	89° 40'	+6.0	+3.4		703.6	TP	-852	+591	973,888	326,129
188	536		144° 40'	" "	7.7	88° 40'	+3.1	-4.6		695.6		-433	+316	974,307	325,854
189	208		139° 20'	" "	8.5	89° 40'	+1.2	-7.3		692.9		-156	+138	974,584	325,676
189	133		142° 40' 41"	" "	8.0	89° 40'	+0.8	-7.2		693.0	TP	-105	+82	974,635	325,620
189	0				5.2	-		-5.2		695.0	TP	0	0	974,740	325,538
190	122		313° 50'	-0.8	6.0	88° -	+4.3	-1.7		698.5		+83	-89	974,823	325,449
191	452		" "	" "	5.2	88° -	+15.8	+10.6		710.8		+308	-330	975,048	325,208
TP	708	707.6	312° 39' 25"	" "	11.9	88° -	+24.7	+12.82		713.0	TP	+472	-527	975,212	325,011
TP	708				9.8	88° 10'	+22.6	+12.8			TP				

u-973,820 x-326,145  
T-Intersect

u-974,595 x-325,685  
T-Intersect

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.14.84		B. Cotcamp		R. Trowbridge		6834		RT. C.Y.		15		19			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		WAVERLY HALL - 7 1/2		GEORGIA										L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
										713.0					
	1127		140° 13' 11"	-0.8°	10.6	84	+5.6	+16.2			BS	+856	-733		
	1127				10.4	84 270	+5.6	+16.0			BS				
192	1051		138° 35'	--	7.8	90° 30'	-9.2	-17.0		712.1		-778	+706	975,290 324,984	
193	721		137° 40'	--	10.6	90° 30'	-6.3	-16.9		712.2		-526	+493	975,542 324,771	
194	392		137° 07'	--	6.7	90° 30'	-3.4	-10.1		719.0		-283	+271	975,785 324,549	
195	66		118° 10'	--	7.1	89°	+1.2	-5.9		723.2		-30	+59	976,036 324,337	
TP	0				5.2	-		-5.2		723.9	TP	0	0	976,068 324,278	
196	273		333° 34'	-0.8°	5.0	89°	+4.8	-0.2		728.9		+243	-125	976,311 324,153	
TP	354		331° 03' 52"	--	4.7	89°	+6.2	+1.5		730.6	TP	+307	-176	976,375 324,102 # 976,345 x - 324,105 # H WAYS INT.	
197	603		333° 34'	--	11.3	88° 10'	+19.3	+8.0		737.1		+536	-276	976,604 324,002	
198	933		" "	--	8.7	88° 10'	+29.8	+21.1		750.2		+830	-427	976,888 323,851	
TP	996	995.5	332° 32' 25"	--	5.6	88° 10'	+31.9	+26.37		755.4	TP	+877	-471	976,945 323,807 # 976,915 x - 323,820 # T - intersect	
TP	996				5.5	271° 50'	+31.9	+26.45			TP				
	351		232° 15' 42"	-0.8°	4.5	89°	-6.1	-1.6			BS	+219	+275		
	351				4.4	271°	-6.1	-1.7		753.7	BS				
199	43		242° 11'	--	6.9	86° 30'	+2.6	-4.3		749.4		-21	-38	977,143 324,044	
TP	0				5.2	-		-5.2		748.5	TP	0	0	977,164 324,082 # WEAR VAN & TRUCKS	
200	277		357° 14'	--	6.9	92° 30'	-12.1	-19.0		734.7		+276	-17	977,440 324,065	
201	604		1° 25'	--	6.3	91° 40'	-17.6	-23.9		729.8		+604	+7	977,768 324,089	
202	933		359° 44'	--	6.7	91° 10'	-19.0	-25.7		728.0		+933	-17	978,097 324,065	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.14.84		B. Cotcamp		R. Trowbridge		6834		R.T. C.J.		15		20			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Waverly Hall - 1/2'		GEORGIA										L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									753.7						
TP	1066	1065.8	359° 15' 34"	-0.8°	8.9	91° 10'	-21.7	-30.6		723.1	TP	+1065	-29	978,229	324,053
TP	1066				8.8	268° 50'	-21.7	-30.5			TP				
	521		151° 50' 09"	" "	+12.0	-		+12.0	735.1		BS	+456	-252		
	521				+9.4	84	+2.6	+12.0			BS				
203	322		151° 05'	" "	9.0	-		-9.0		726.1		-280	+160	978,405	323,961
κ	0				5.2	-		-5.2		729.9	κ	0	0	978,685	323,801
204	28		49° 42'	-0.8°	4.8	-		-4.8		730.3		+18	+21	978,703	323,822
205	343		354° 09'	" "	6.3	89°	+6.0	-0.3		734.8		+341	-40	979,026	323,761
TP	366		350° 27' 20"	" "	7.1	89°	+6.4	-0.7		734.4	TP	+360	-66	979,045	323,735
TP	366				7.0	271°	+6.4	-0.6			TP				
	835		174° 34' 58"	-0.8°	+5.1	-		+5.1			BS	+830	-90		
	835				+5.0	270°		+5.0	739.4		BS				
206	534		168° 32'	" "	6.4	91°	-9.3	-15.7		723.7		-522	+113	979,353	323,756
207	208		159° 26'	" "	9.1	89°	+3.6	-5.5		733.9		-194	+76	979,681	323,721
#1	97		165° 00' 40"	" "	5.6	89°	+1.7	-3.9		735.5	#1	-93	+26	979,782	323,671
κ	0				5.2	-		-5.2		734.2	κ	0	0	979,875	323,645
208	122		336° 06'	-0.8°	7.3	89° 20'	+1.4	-5.9		733.5		+111	-51	979,986	323,594
209	452		334° 04'	" "	10.0	89° 20'	+5.3	-4.7		734.7		+404	-203	980,279	323,442
1#	718		330° 39' 09"	" "	5.6	89° 30'	+6.3	+0.7		740.1	1#	+621	-361	980,496	323,284

#1 - 979,150 x - 323,700  
ROAD EL. 733.0

#4 - 980,500 x - 323,305  
ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.14.84		B. Cotcamp		R. Trowbridge		6834		R.T. C.J.		15		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA				GEORGIA		HARRIS								L.O. Davis	
STATION NO.	SLOPE 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
									739.4						
210	779		330° 56'	-0.8°	7.9	89° 30'	+6.8	-1.1		738.3		+676	-388	980,551	323,257
TP	860		330° 43' 39"	vv	11.8	89° 30'	+7.5	-4.3		735.1	TP	+744	-431	980,619	323,214
TP	860				11.7	270° 30'	+7.5	-4.2			TP				
	1886		115° 49' 47"	vv	5.1	89° 30'	-16.5	-11.4	723.5		BS	+798	-1709		
	1886				+4.8	270° 30'	-16.5	-11.7	711.5		BS				
211	1628		115° 38'	-0.8°	9.0	89° 50'	+4.7	-4.3		719.2		-684	+1477	980,733	322,982
212	1300		116° -	vv	14.6	-		-14.6		708.9		-554	+1176	980,863	322,681
213	977		118° 41'	vv	11.0	90° 20'	-5.7	-16.7		706.8		-457	+864	980,960	322,369
214	658		124° 56'	vv	7.1	91° 20'	-15.3	-22.4		701.1		-369	+545	981,048	322,050
215	330		126° 37'	vv	10.0	91° 20'	-7.7	-17.7		705.8		-193	+268	981,224	321,773
216	0				5.2	-		-5.2		718.3	TP	0	0	981,417	321,505
217	330		313° 45' 05"	-0.8°	7.2	90° 30'	-2.9	-10.1		713.4	TP	+225	-242	981,642	321,263
217	330				8.1	90° 20'	-1.9	-10.0			TP				
	875		145° 51' 36"	vv	+5.5	89° -	-15.3	-9.8	703.5		BS	+717	-501		
	875				+5.3	271° -	-15.3	-10.0	703.5		BS				
218	548		145° 07'	vv	8.2	89° -	+9.6	+1.4		704.9		-445	+320	981,914	321,082
219	219		139° 33'	vv	6.3	89° -	+3.8	-2.5		701.0		-165	+144	982,194	322,906
TP	0				5.2	-		-5.2		698.3	TP	0	0	982,359	320,762
220	111		311° 32'	vv	6.1	89° -	+1.9	-4.2		699.3		+72	-84	982,431	320,678
221	436		296° 03'	vv	7.9	90° 10'	-1.3	-9.2		694.3		+186	-394	982,545	320,368

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 4.14.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOT CHECKED BY RT, CJ	LINE NO. 15	PAGE 22
AREA GEORGIA	TOPO MAP	STATE GEORGIA	COUNTY HARRIS	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.	
									703.5					
TP	636		296° 09' 55"	-0.8°	6.5	90° 10'	-1.9	-8.4		695.1	TP	+272	-575	982,631 <sup>v</sup> 320,187
TP	636				6.4	269° 50'	-1.9	-8.3			TP			
	467		142° 09' 57"	"	5.0	-		+5.0	700.0		BS	+365	-292	
	467				4.8	270° -		+4.8	+4.8		BS			
222	330		139° 02'	"	8.5	89° 30'	+2.9	-5.6		694.4		-246	+220	982,750 320,115
223	0				5.2	-		-5.2		694.8	X	0	0	982,996 <sup>v</sup> 319,895
224	330		330° 10'	"	8.0	91° 30'	-8.6	-16.6		683.4		+284	-168	983,280 319,727
225	660		"	"	10.2	91° 30'	-17.3	-27.3		672.7		+568	-336	983,564 319,559
TP 226	925		327° 42' 48"	"	5.3	91° 30'	-24.2	-29.5		670.6	TP	+775	-505	983,771 <sup>v</sup> 319,390
TP	925				5.1	268° 30'	-24.2	-29.3	-29.4		TP			
	961		138° 34' 51"	-0.8°	6.6	-		+6.6	677.0		BS	+712	-646	
	961				6.3	270° -		+6.3	+6.3		BS			
226	897		138° 36'	"	7.0	-		-7.0		670.0		-665	+603	983,818 319,347
227	569		140° 06'	"	7.3	-		-7.3		669.7		-431	+371	984,052 319,115
228	240		143° 10'	"	9.1	-		-9.1		667.9		-190	+147	984,293 318,891
X	0				5.2	-		-5.2		671.8	X	0	0	984,483 318,744
229	90		329° 03'	-0.8°	9.6	-		-9.6		667.4		+77	-47	984,560 318,697
230	420		332° 39'	"	11.0	90° 30'	-3.7	-14.7		662.3		+370	-198	984,853 318,546
231	749		332° 08'	"	8.2	-		-8.2		668.8		+657	-359	985,140 318,385
#1	902		331° 15' 08"	"	2.4	-		-2.4		674.6	#1	+785	-445	985,268 318,299

985,295 x - 318,310  
#1 - Inter.

KEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.14.84		B. Cotcamp		R. TROWBRIDGE		6834		R.T. C.J.		15		23			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Cataula - 7 1/2'		GEORGIA		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									697.0						
232	1077		332 20	-0.8°	5.8	-		-5.8		671.2		+947	-513	985430	318231
TP	1165		331 50 06	--	8.6	-		-8.6		668.5	TP	+1019	-564	985502	318180
TP	1165				8.3	270 -		-8.3	-8.53		TP				
	709		180 25 08	-- +	7.8	89° 10'	-10.3	-2.5			BS	+709	-5		
	709				+7.7	270 50	-10.3	-2.6	665.9		BS				
233	456		178 48	-0.8°	7.7	89° 20'	+5.3	-2.4		663.5		-456	+16	985755	318191
234	127		183 10	--	7.2	89° 20'	+1.5	-5.7		660.2		-127	-5	986084	318170
π	0				5.2	-		-5.2		660.7	π	0	0	986211	318175
235	202		19 18	--	7.3	90 50	-2.9	-10.2		655.7		+192	+64	986403	318239
236	531		21 12 46	--	9.0	91° 20'	-12.4	-21.4		644.5	TP	+498	+185	986709	318360
236	531				8.9	268° 40'	-12.4	-21.3			TP				
	1420		177 40 14	-0.8°	5.9	89° 30'	-12.4	-6.5	637.8		BS	+1418	-78		
	1420				+5.6	270 30	-12.4	-6.8	66.8		BS				
237	1090		177 23	--	11.2	89° 40'	+6.3	-4.9		632.9		-1088	+65	987039	318347
238	760		176 51	--	7.9	90 40	-8.8	+16.7		621.1		-758	+52	987369	318334
239	431		176 11	--	10.4	91 -	-7.5	-17.9		619.9		-430	+35	987697	318317
π	302		179 51 12	--	10.9	91 -	-5.3	-16.2		621.6	π	-302	+5	987825	318287
240	66		186 -	m	7.1	92 -	-2.3	-9.4		628.4		-66	-6	988061	318276
π	0				5.2	-		-5.2		632.6	π	0	0	988127	318282
241	225		22 -	-0.8°	5.4	87 -	+11.8	+6.4		644.2		+210	+81	988337	318363

Y-987,820 X-318,270  
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SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 4.14.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY RIT.	LINE NO. 15	PAGE 24
AREA GEORGIA	TOPO MAP	STATE GEORGIA	COUNTY HARRIS	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	
									637.8							
242	553		24° 01'	-0.8°	6.3	87° 40'	+22.5	+16.2	654.0			+508	+218	988,635	318,500	
TP	753	752.5	23° 10' 21"	--	8.5	88° -	+26.3	+17.8		655.6	TP	+696	+286	988,823	318,568	
TP	753				8.4	272° -	+26.3	+17.9			TP					
	455		164° 33' 41"	--	+4.5	89° 20'	-5.3	-0.8			BS	+437	-127			
	455				+4.4	270° 40'	-5.3	-0.9	654.7		BS					
243	328		163° 41'	-0.8°	7.9	89° 30'	+2.9	-5.0		649.7		-313	+97	988,947	318,538	
244	0				5.2	-		-5.2		649.5	X	0	0	989,260	318,441	
245	330		334° 53'	--	7.0	88° 50'	+6.7	-0.3		654.4		+297	-144	989,557	318,297	
246	660		-	--	7.3	88° 50'	+13.4	+6.1		660.8		+594	-288	989,854	318,153	
247	990		-	--	7.9	88° 50'	+20.2	+12.3		667.0		+890	-433	990,150	318,008	
TP	1085	1084.8	334° 39' 19"	--	9.0	89° -	+18.9	+9.9		664.6	TP	+974	-478	990,234	317,963	
TP	1085				8.9	271° -	+18.9	+10.0			TP					
	996		168° 12' 02"	-0.8°	+7.1	91° -	+17.4	+24.5			BS	+972	-217			
	996				+7.0	269° -	+17.4	+24.4	689.0		BS					
248	760		167° 30'	--	11.7	91° 10'	-15.5	-27.2		661.8		-740	+175	990,466	317,921	
249	430		167° 34'	--	12.0	91° 10'	-8.8	-20.8		668.2		-419	+98	990,787	317,844	
250	104		157° 30'	--	6.9	89° -	+1.8	-5.1		683.9		-96	+41	991,110	317,787	
X	0				5.2	-		-5.2		683.8	X	0	0	991,206	317,746	
251	226		333° 25'	-0.8°	8.7	-		-8.7		680.3		+201	-104	991,407	317,642	
252	555		339° 33'	--	6.9	-		-6.9		682.1		+517	-201	991,723	317,545	

SRVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.14.84		B. Cotnam		R. Trowbridge		6834		C.S. R.T.		15		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Cataula-7 1/2'		GEORGIA		Harris								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									689.0						
253	878		343° 17'	-0.8°	4.8	-		-4.8		684.2		+837	-264	992,043	317,482
254	1208		342° 00'	--	8.1	89° 30'	+10.5	+2.4		691.4		+1144	-389	992,350	317,357
255	1537		341° 28'	--	4.5	89° 20'	+17.9	+13.4		702.4		+1450	-509	992,656	317,237
TP	1645		341° 29' 55"	--	3.0	89° 20'	+19.1	+16.1		705.1	TP	+1552	-544	992,758	317,262
TP	1645				2.9	270° 40'	+19.1	+16.2			TP				
	866	866.5	183° 39' 58"	-0.8°	2.9	92° -	+30.2	+33.1			BS	+864	+43		
	866				2.8	268° -	+30.2	+33.0	738.1		BS				
256	640		183° 28'	--	10.0	91° 50'	-20.5	-30.5		707.6		-639	-30	992,983	317,215
257	310		" "	--	9.7	91° 50'	-9.9	-19.6		718.5		-310	-14	993,312	317,231
π	0				5.2	-		-5.2		732.9	π	0	0	993,622	317,245
Δ	35		90° 43' 05"	-0.8°	0.1	-		-0.1		738.0	Δ	±0	+35	993,622	317,280
258	25		65° 03'	--	6.0	-		-6.0		732.1		+11	+23	993,633	317,268
259	351		61° 21'	--	8.3	-		-8.3		729.8		+173	+306	993,795	317,551
260	681		62° 13'	--	9.0	BU	-3.4	-12.4		725.7		+326	+598	993,948	317,843
261	1011		61° 16'	--	7.0	90° 40'	-11.8	-18.8		719.3		+498	+880	994,120	318,125
262	1340		59° 41' 39"	--	9.6	90° 30'	-11.7	-21.3			TP	+692	+1147	994,314	318,392
262	1340				9.5	269° 30'	-11.7	-21.2		7169	TP				
	1320		232° 31' 17"	-0.8°	10.7	90° 30'	+11.5	+22.2	739.1		BS	+818	+1036		
	1320				10.6	269° 30'	+11.5	+22.1			BS				

4-993,644 x. 317,290  
U.S.G.S. Bm EL. 736.5

VEY NOTES-HIGH RESOLUTION DATA

-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-14-84		B. Cotcamp		R. Trowbridge		6834		C.J.		15		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA				GEORGIA		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									739.1						
263	990		233° 01'	-0.8°	11.2	90° 20'	-5.8	-17.0		722.1		-607	-782	994,525	318,646
264	660		" "	" "	6.6	90° 20'	-3.8	-10.4		728.7		-404	-522	994,728	318,906
265	330		" "	" "	10.0	90° 20'	-1.9	-11.9		727.2		-202	-261	994,930	319,167
266	0				5.2	-		-5.2		733.9	X	0	0	995,132	319,428
267	330		51° 48'	-0.8°	6.7	88° 10'	+10.6	+3.9		743.0		+208	+256	995,340	319,684
268	660		49° 57'	" "	8.4	89° 10'	+9.6	+1.2		740.3		+432	+499	995,564	319,927
TP	985		49° 49' 12"	" "	5.4	89° 10'	+14.3	+8.9			TP	+646	+744	995,778	320,172
TP	985				5.3	270° 50'	+14.3	+9.0			TP				
	901	900.3	238° 46' 41"	-0.8°	14.8	92° 20'	+36.7	+51.5	799.6		BS	+477	+763		
	901				+14.7	267° 40'	+36.7	+51.4			BS				
269	895		237° 17'	" "	14.3	92° 20'	-36.4	-50.7		748.9		-494	-746	995,761	320,189
270	566		236° 29'	" "	8.3	91° 40'	-16.5	-24.8		774.8		-319	-467	995,936	320,468
271	237		231° 51'	" "	7.6	91° -	-4.1	-11.7		787.9		-149	-184	996,106	320,751
X	30		240° 45' 35"	" "	5.6	91° -	-0.5	-6.1		793.5		-15	+26	996,240	320,961
X	0				5.2	-		-5.2		794.4	X	0	0	996,255	320,935
272	105		9° 35'	-0.8°	7.1	88° 40'	+2.4	-4.7		794.9		+104	+16	996,359	320,951
273	435		10° 45'	" "	5.2	87° -	+22.7	+17.5		817.1		+428	+75	996,683	321,010
274	760	758.7	11° 15' 10"	" "	7.7	86° 40'	+44.2	+36.5			TP	+746	+138	997,001	321,073
274	760				7.6	273° 20'	+44.2	+36.6		836.2	TP				

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
4.14.84		B. Cotcamp		R. Trowbridge		6834		R.T. C.Y.		15	27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
GEORGIA				GEORGIA		HARRIS						L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING 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.	
	413	412.9	184° 23' 38"	-0.5°	8.0	91° 30'	+10.8	+18.8*	855.0		BS	+412	+28	
	413				+7.9	268° 30'	+10.8	+18.7		BS				
275	87		198° 39'	--	7.0	90° 10'	-0.3	-7.3		847.7		-83	-27	997,330 321,074
	π	0			5.2	-		-5.2		849.8	π	0	0	997,413 321,101
276	243		50° 02'	-0.5°	6.9	86° 10'	+16.2	+9.3		864.3		+158	+185	997,571 321,286
277	571	570.5	51° 01' 42"	--	6.4	87° 30'	+24.9	+18.5			TP	+363	+440	997,776 321,541
277	571				6.3	272° 30'	+24.9	+18.6*		873.6	TP			
	306	305.5	213° 37' 24"	--	+9.1	93° 20'	+17.8	+26.9*			BS	+256	+167	
	306				+8.2	93° 30'	+18.7	+26.9	900.5		BS			
	π	0			5.2	-		-5.2		895.3	π	0	0	998,032 321,708
278	55		105° 04'	-0.5°	7.2	90° 40'	-0.6	-7.8		892.7		-14	+53	998,018 321,761
279	345		41° 38'	--	8.0	93° 10'	-19.0	-27.0		873.5		+260	+227	998,292 321,935
TP	646	644.7	40° 17' 49"	--	6.1	93° 40'	-41.3	-47.4			TP	+495	+413	998,527 322,121
TP	646				6.0	266° 20'	-41.3	-47.3*		853.2	TP			
	2079		174° 32' 33"	-0.5°	+6.1	-		+6.1	859.1		BS	+2068	-216	
	2079				+5.6	270° -		+5.6	+5.9*		BS			
280	2054		174° 23'	--	10.0	-		-10.0		849.1		-2042	+219	998,553 322,124
281	1723		174° 27'	--	5.7	90° 40'	-20.0	-25.7		833.4		-1713	+182	998,882 322,087
282	1394		" "	--	6.3	91° 40'	-40.5	-46.8		812.3		-1386	+147	999,209 322,052
283	1064		174° 49'	--	8.9	92° 10'	-40.2	-49.1		810.0		-1059	+105	999,536 322,010

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.14.84		B. Cotcamp		R. Trowbridge		6834		B.T. C.Y.		15		28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia				Georgia		Harris								L.O. Davis	
STATION NO.	SLOPE 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
									859.1						
284	736		175° 13'	-0.5°	9.6	92° 30'	-32.1	-41.7		817.4		-733	+68	999,862	321,973
285	406		" "	" "	9.5	92° 30'	-17.7	-27.2		831.9		-404	+37	1,000,191	321,942
286	76		" "	" "	7.1	91° 30'	-2.0	-9.1		850.0		-76	+7	1,000,519	321,912
π	0				5.2	-		-5.2		853.9	π	0	0	1,000,595	321,905
287	254		359° 43'	" "	5.6	91° 30'	-6.6	-12.2		846.9		+254	-3	1,000,849	321,902
288	583		355° 51' 49"	" "	3.0	89° 30'	+5.1	+2.1			TP	+581	-47	1,001,176	321,858
288	583				2.9	270° 30'	+5.1	+2.2*		861.3	TP				
	886	885.4	155° 29' 57"	-0.5°	11.0	92° 10'	+33.5	+44.5*	905.8		BS	+802	-374		
	886				+10.9	267° 50'	+33.5	+44.4			BS				
289	555		153° 05'	" "	7.3	91° 50'	-17.7	-25.0		880.8		-493	+256	1,001,483	321,740
290	220		156° 05'	" "	7.2	91° 20'	-5.3	-12.5		893.3		-206	+93	1,001,772	321,577
π	0				5.2	-		-5.2		900.6	π	0	0	1,001,978	321,484
291	102		346° 24'	-0.5°	6.1	90° 20'	-0.6	-6.7		899.1		+99	-25	1,002,077	321,459
TP	207	206.8	347° 19' 20"	" "	3.8	92° 20'	-8.4	-12.2*			TP	+201	-47	1,002,179	321,437
TP	207				7.5	91° 20'	-4.8	-12.3*		893.5	TP				
	940	939.4	247° 29' 28"	" "	+7.9	88°	-32.8	-24.9	868.5		BS	+367	+865		
	940				+7.7	272°	-32.8	-25.1*	25.0*		BS				
292	683		247° 07'	-0.5°	9.5	88° 20'	+19.9	+10.4		878.9		-271	-627	1,002,275	321,675
293	353		244° 32'	" "	8.1	88° 20'	+10.3	+2.2		870.7		-155	-317	1,002,391	321,985
294	25		249° 50'	" "	5.3	88° 20'	+0.7	-4.6		863.9		-9	-23	1,002,537	322,279

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.14.84		B. Cotcamp		R. Trowbridge		6834		R.T. C.J.		15		29			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		SHILOH-7 1/2'		GEORGIA		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									868.5						
π	0				5.2	-		-5.2		863.3	π	0	0	1,002,516	322,302
π	31		19° 03' 41"	-0.5	4.5	-		-4.5		864.0	π	+29	+10	1,002,575	322,312
295	291		355° 45'	"	5.2	87° 50'	+11.0	+5.8		874.3		+290	-24	1,002,836	322,278
296	621		356° 56'	"	7.2	88° 50'	+12.6	+5.4		873.9		+620	-39	1,003,166	322,263
297	952		357° 25' 44"	"	14.5	88° 54'	+18.3	+3.8	39x	872.4	TP	+950	-51	1,003,496	322,251
297	952				14.3	271° 06'	+18.3	+1.0			TP				
	1795	1794.2	161° 30' 24"	-0.5	7.1	88° 20'	-52.2	-45.1			BS	+1697	-584		
	1795				7.1	271° 40'	-52.2	-45.1	30.3		BS				
298	1465		161° 00'	"	7.6	88° 30'	+38.3	+30.7		858.0		-1381	+489	1,003,812	322,156
299	1135		" "	"	11.0	88° 30'	+29.7	+18.7		846.0		-1070	+379	1,004,123	322,046
300	805		" "	"	11.8	88° 30'	+21.1	+9.3		836.6		-759	+269	1,004,434	321,936
301	475		161° 27'	"	9.2	88° 30'	+12.4	+3.2		836.5		-449	+155	1,004,744	321,822
302	147		154° 30'	"	6.0	88° 30'	+3.8	-2.2		825.1		-132	+64	1,005,061	321,731
π	102		157° 33' 28"	"	3.3	89° 30'	+0.9	-2.4		824.9	π	-94	+40	1,005,099	321,707
π	0				5.2	-		-5.2		822.1	π	0	0	1,005,193	321,667
303	196		7° 13'	-0.5	6.1	89° 50'	+0.6	-5.5		821.8		+195	+23	1,005,388	321,690
304	526		4° 32'	"	7.1	TH	+2.6	-4.5		822.8		+525	+37	1,005,718	321,204
305	856		5° 24'	"	5.1	TH	+4.3	-0.8		826.5		+853	+73	1,006,046	321,740
TP	1043		5° 06' 58"	"	6.2	TH	+5.2	-1.0		826.4	TP	+1040	+84	1,006,233	321,751
TP					6.1	TH	+5.2	-0.9			TP				

y = 1,002,590 x = 322,340  
T-ROAD EL. 864.0

y = 1,005,700 x = 321,710  
T-INTER EL. 825.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.15.84		B. Cotcamp		R. TROWBRIDGE		6834		R.T. C.J.		15		30			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		SHILOH - 7 1/2'		GEORGIA		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
										826.4					
	919		202° 18' 21"	-0.5°	13.7	BH	+4.6	+18.3	844.7		BS	+853	+341		
	919				+13.6	BH 270°	+4.6	+18.2			BS				
306	769		201° 24'	"	7.1	90° 50'	-11.2	-18.3		826.4		-718	-274	1,006,368	321,818
307	441		202° 45'	"	8.1	90° 50'	-6.4	-14.5		830.2		-408	-167	1,006,678	321,925
308	112		207° 00'	"	5.7	90° 50'	-1.6	-7.3		837.4		-100	-50	1,006,986	322,042
T	0				5.2	-		-5.2		839.5	T	0	0	1,007,086	322,092
309	217		31° 28'	-0.5°	5.1	89° -	+3.8	-1.3		843.4		+186	+112	1,007,272	322,204
310	547		34° 06'	"	9.2	89° -	+9.5	+0.3		845.0		+456	+303	1,007,512	322,395
311	877		35° 00'	"	6.7	89° 20'	+10.2	+3.5		848.2		+723	+497	1,007,809	322,589
312	1207		35° 32'	"	7.9	89° 20'	+14.0	+6.1		850.8		+988	+693	1,008,074	322,785
T	1179		34° 48' 09"	-0.5°	7.3	89° 20'	+13.7	+6.4		851.1	T	+974	+664	1,008,060	322,756
313	1537		35° 32'	"	8.0	89° 20'	+17.9	+9.9		854.6		+1259	+882	1,008,345	322,974
314	1867		35° 10'	"	6.8	89° 20'	+21.7	+14.9		859.6		+1536	+1062	1,008,622	323,154
315	2197		34° 30' 12"	"	7.0	89° 20'	+25.6	+18.6		863.3	TP	+1821	+1229	1,008,907	323,321
315	2197				6.9	270° 40'	+25.6	+18.7			TP				
	1854		211° 00' 00"	-0.5°	12.6	BH	+9.3	+21.9			BS	+1597	+941		
	1854				+12.3	BH	+9.3	+21.6	885.0		BS				
316	1524		211° 16'	"	11.8	BH	-7.6	-19.4		865.6		-1310	-780	1,009,194	323,482
317	1194		211° 40'	"	8.9	BH	-6.0	-14.9		870.1		-1022	-618	1,009,482	323,644
318	864		212° 11'	"	10.3	-		-10.3		874.7		-735	-454	1,009,769	323,806

4-1:008,045 X-322,800  
T-ROAD E.L. 851.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-435

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-15-84		B. Cotcamp		R. Trowbridge		6834		R.T. C.N.		15		31			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		SHILOH - 7 1/2'		Georgia		HARRIS								L.O. Davis	
STATION NO.	SLOPE 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
									885.0						
319	534		213° 19'	-0.5°	7.8	-		-7.8		877.2		-449	-289	1,010,055	324,973
320	204		215° 07'	"	5.0	-		-5.0		880.0		-168	-116	1,010,336	324,146
T	0				5.2	-		-5.2		879.8	T	0	0	1,010,504	324,212
321	126		34° 50'	"	6.7	-		-6.7		878.3		+104	+71	1,010,608	324,333
IF	183		30° 10' 04"	"	7.8	-		-7.8		877.2	IF	+159	+91	1,010,623	324,353
322	456		30° 15'	"	9.5	90° 30'	-4.0	-13.5		871.5		+396	+226	1,010,900	324,468
TP	638		25° 26' 19"	"	7.3	90° 30'	-5.6	-12.9		872.2	TP	+518	+269	1,011,082	324,531
TP	638				7.1	269° 30'	-5.6	-12.7			TP				
	736		170° 44' 34"	-0.5°	8.4	-		+8.4			BS	+725	-125		
	736				12.1	TN	-3.7	+8.4			BS				
323	595		167° 24'	"	7.9	TN	+3.0	-4.9		875.7		-580	+135	1,011,227	324,541
324	266		165° 00'	"	6.7	89°	+4.6	-2.1		878.5		-256	+71	1,011,551	324,477
T	0				5.2	-		-5.2		875.4	T	0	0	1,011,807	324,406
325	64		345° 43'	"	5.6	90° 30'	-0.6	-6.2		874.4	IF	+62	-16	1,011,819	324,390
326	394		345° 15'	"	6.4	90° 30'	-3.4	-9.8		870.8		+380	-104	1,012,187	324,302
327	724		"	-0.5°	6.8	90° 30'	-6.3	-13.1		867.5		+699	-190	1,012,506	324,216
328	1054		346° 27'	"	6.1	90° 30'	-9.2	-15.3		865.3		+1022	-256	1,012,829	324,150
329	1380		348° 40' 19"	"	3.3	90° 30'	-12.0	-15.3		865.3	TP	+1351	-283	1,013,158	324,123
329	1380				3.2	269° 30'	-12.0	-15.2			TP				

\* 1,010,670 X - 324,395  
IF T-Int. EL. 878.0

\* 1,011,880 X - 324,405  
IF T-Int.

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.15.84		B. Cotcamp		R. Trowbridge		6834		R.T. QY		15		32			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		SH1204 -7 1/2'		Georgia		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									865.3						
	1494	1493.8	180° 03' 23"	-0.5°	2.1	91°	+26.1	+28.2	893.4		BS	+1494	-12		
	1494				+1.9	269°	+26.1	+28.0	893.4		BS				
330	1164		180° 14'	"	8.7	90° 50'	-16.9	-25.6	867.8			-1164	+5	1013488	324,116
331	834		180° 47'	"	8.7	90° 50'	-12.1	-20.8	872.6			-834	-4	1013818	324,107
332	504		182° 26'	"	8.5	90° 50'	-7.3	-15.8	877.6			-504	-17	1014148	324,094
333	173		184° 10'	"	7.1	90° 50'	-2.5	-9.6	883.8			-173	-11	1014479	324,100
K	0				5.2	-		-5.2	888.2		K	0	0	1014652	324,111
334	158		9° 06'	-0.5°	5.1	89° 20'	+1.8	-3.3	890.1			+156	+24	1014808	324,135
335	488		8° 40'	"	7.9	-		-7.9	885.5			+483	+69	1015135	324,180
336	818		" "	"	11.2	-		-11.2	882.2			+810	+116	1015462	324,229
337	1148		" "	"	8.2	BH	-5.7	-13.9	879.5			+1136	+163	1015786	324,274
338	1478		8° 12'	"	5.7	BH	-7.4	-13.1	880.3			+1465	+198	1016117	324,304
339	1808		7° 20'	"	10.8	-		-10.8	882.6			+1795	+215	1016447	324,326
TP	2059		7° 17' 12"	"	5.1	90° 10'	-6.00	-11.1	882.4		TP	+2045	+243	1016697	324,354
TP	2059			"	4.8	269° 50'	-6.0	-10.8			TP				
	506		115° 48' 53"	-0.5°	10.9	89° 30'	-4.4	+6.5	888.8		BS	+216	-457		
	506				+10.8	270° 30'	-4.4	+6.4			BS				
340	454		107° 51'	"	9.4	89° 30'	+4.0	-5.4	883.4			-136	+433	1016777	324,330
341	297		98° 27'	"	8.1	89° 30'	+2.6	-5.5	883.3			-41	+294	1016872	324,191

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
4.15.84		B. Cotcamp		R. Trowbridge		6834		R.T. C.J.		15	33					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
GEORGIA		SHILON - 7 1/2'		GEORGIA		HARRIS					L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									888.8							
TP	115		174° 44' 48"	-0.5°	4.5	89° 30'	+1.0	-3.5		885.3	TP	-114	+12	1016.799	323.909	y-1,016,800 x-323,915 TP T-Intersect
342	0				5.2	-		-5.2		883.6	TP	0	0	1016.913	323.897	
343	330		347° 00'	"	7.2	90° 30'	-2.9	-10.1		878.7		+321	-77	1017.234	323.820	
344	660		" "	"	8.2	90° 30'	-5.8	-14.0		874.8		+642	-154	1017.555	323.743	
345	990		346° 54'	"	6.4	90° 20'	-5.8	-12.2		876.6		+962	-233	1017.875	323.664	
TP	1226		344° 17' 29"	"	9.8	96° 20'	-7.1	-16.9		871.9	TP	+1177	-342	1018.090	323.555	
TP	1226				9.7	269° 40'	-7.1	-16.8			TP					
	1161		129° 34' 11"	-0.5°	8.1	89° 20'	-13.5	-5.4			BS	+732	-901			
	1161				+8.0	270° 40'	-13.5	-5.5	866.4		BS					
346	1069		129° 03'	"	10.2	89° 10'	+15.5	+5.3		871.7		-666	+836	1018.156	323.490	
347	739		" "	"	12.1	89° 10'	+10.7	-1.4		865.0		-461	+578	1018.361	323.232	
348	409		" "	"	9.7	89° 10'	+5.9	-3.8		862.6		-255	+320	1018.517	323.974	
349	82		115° 21'	"	6.8	86° 24'	+5.1	-1.7		864.7		-34	+74	1018.788	323.728	
TP	0				5.2	-		-5.2		861.2	TP	0	0	1018.822	323.654	
350	258		331° 25'	-0.5°	7.6	92° 10'	-9.7	-17.3		849.1		+225	-125	1019.047	323.529	
351	588		" "	"	10.3	92° 10'	-22.2	-32.5		833.9		+514	-286	1019.336	323.368	
352	918		" "	"	11.9	92° 10'	-34.7	-46.6		819.8		+802	-446	1019.624	323.208	
353	1248		" "	"	9.0	92° 10'	-47.1	-56.1		810.3		+1091	-607	1019.913	323.047	
354	1574	1572.9	329° 36' 49"	"	9.9	92° 10'	-59.5	-69.4		797.0	TP	+1350	-807	1020.172	322.847	
354	1574				9.8	267° 50'	-59.5	-69.3			TP					

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.15.84		B. Cotcamp		R. Trowbridge		6834		R.T.		15		34			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA				Georgia		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
	1621		119° 29' 06"	-0.7°	3.5	-		+3.5			BS	+781	-1421		
	1621				+3.2	270°		+3.2			BS				
355	1291		118° 58'	"	7.3	90° 40'	-15.0	-22.3		778.0		-611	+1137	1,020,342 320,563	
356	961		" "	"	10.2	90° 40'	-11.2	-21.4		778.9		-455	+846	1,020,498 320,272	
357	639		124° 08'	"	9.3	90° 40'	-7.4	-16.7		783.6		-352	+533	1,020,601 320,959	
358	394		149° 29'	"	6.7	90° 40'	-4.6	-11.3		789.0		-337	+204	1,020,616 320,130	
TP	354		180° 58' 16"	"	6.8	-		-6.8		793.5	TP	-354	-2	1,020,599 320,424	
359	177		179° 56'	"	7.3	-		-7.3		793.0		-177	+2	1,020,776 320,428	
TP	0				5.2	-		-5.2		795.1	TP	0	0	1,020,935 320,426	
360	152		0° 27'	-0.7°	5.2	88° 50'	+3.1	-2.1		798.2		+152	-1	1,021,105 320,425	
361	482		" "	"	5.6	88° 40'	+11.2	+5.6		805.9		+482	-2	1,021,435 320,424	
362	812		" "	"	8.8	88° 40'	+18.9	+10.1		810.4		+812	-4	1,021,765 320,422	
363	1142		0° 23'	"	9.0	89° -	+19.9	+10.9		811.2		+1142	-6	1,022,095 320,420	
364	1472		0° 28'	"	11.8	89° -	+25.7	+13.9		814.2		+1472	-6	1,022,425 320,420	
365	1802		" "	-0.7°	10.7	89° -	+31.4	+20.7		821.0		+1802	-7	1,022,755 320,419	
366	2132		0° 36'	"	10.8	88° 50'	+43.4	+32.6		832.9		+2132	-4	1,023,085 320,422	
367	2463	2462.5	0° 22' 26"	"	5.9	88° 50'	+50.1	+44.2		844.6	TP	+2462	-14	1,023,415 320,412	
367	2463			"	5.6	271° 10'	+50.1	+44.5			TP				
	990		179° 51' 41"	"	+3.9	-		+3.9			BS	+990	-14		
	990			"	+3.8	270°		+3.8		848.4	BS				

Y=1,020,595 X=320,405  
T-Intersect. 791.0

SURVEY NOTES - HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
4.15.84		B. Cotcamp		R. Trowbridge		6834		R.T. C.J.		15	35					
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
GEORGIA		Pine Mountain-1/2	GEORGIA	HARRIS				L.O. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING 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	
									848.4							
368	660		177° 39'	-0.7°	6.2	90° 20'	-3.8	-10.0		838.4		-659	+35	1023746	320433	
369	330		176° 30'	"	6.7	91° 30'	-8.6	-15.3		833.1		-329	+24	1024076	320422	
370	0				5.2	-		-5.2		843.2	π	0	0	1024405	320398	
π	82		11° 05' 55"	"	5.1	89°	+1.4	+3.7		844.7	π	+81	+15	1024486	320413	5-1024486 x -320410 π T-Int + 2 sect BL 844
371	237		300° 30'	"	5.1	92°	-8.3	-13.4		835.0		+118	-206	1024523	320192	
372	563	562.7	296° 38' 47"	"	6.9	92°	-19.6	-26.5		821.9	TP	+246	-506	1024651	319892	
372	563				10.1	91° 40'	-16.4	-26.5			TP					
	2238		133° 44' 40"	-0.7°	10.8	BH	+11.2	+22.0			BS	+1528	-1636			
	2238				+10.5	BH 220'	+11.2	+21.7	843.7		BS					
373	1909		133° 41'	"	7.0	90° 50'	-27.8	-34.8		808.9		-1302	+1397	1024877	319653	
374	1580		133° 30'	"	9.7	91° 20'	-36.8	-46.5		797.2		-1074	+1159	1025105	319415	
375	1250		133° 14'	"	8.8	91° 40'	-36.3	-45.1		798.6		-845	+921	1025334	319177	
376	920		132° 38'	"	8.2	91° 40'	-26.7	-34.9		808.8		-615	+684	1025564	318940	
377	590		131° 29'	"	6.9	91° 40'	-17.2	-24.1		819.6		-385	+447	1025797	318703	
378	262		127°	"	6.7	91° 40'	-7.6	-14.3		829.4		-155	+211	1026024	318467	
π	0				5.2	-		-5.2		838.5	π	0	0	1026179	318256	
379	71		296° 07'	-0.7°	5.1	87° 40'	+2.9	-2.2		841.5		+30	-64	1026209	318192	
380	399		288° 32'	"	7.7	87° 40'	+16.2	+8.5		852.2		+122	-380	1026301	317876	
π	606		281° 58' 42"	"	5.0	88° 10'	+19.4	+14.4		858.1	π	+118	-594	1026297	317662	5-1026295 x -317645 π 4 way Int. CL 858.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.15.84		B. Cotran		R. Trowbridge		6834		R.T. [Signature]		15		36			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Pine Mountain 7 1/2		GEORGIA		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									843.7						
381	576		300° 51'	-0.7°	7.2	87° 40'	+23.4	+16.2		859.9		+290	-498	1026469	317,758
382	688		329° 42'	--	7.7	87° 40'	+28.0	+20.3		864.0		+590	-354	1026769	317,902
383	917		346° 52'	--	7.0	88° -	+32.0	+25.0		868.7		+890	-219	1027069	318,037
TP	1082	1081.3	352° 07' 46"	--	9.5	88° -	+37.7	+28.2		872.0	TP	+1069	-161	1027248	318,095
TP	1082				9.3	272° -	+37.7	+28.4			TP				
	891		219° 17' 58"	-0.7°	5.7	89° 30'	-7.8	-2.1			BS	+696	+556		
	891				5.6	270° 30'	-7.8	-2.2	869.8		BS				
384	743		219° 06'	--	6.1	89° 20'	+8.6	+2.5		872.3		-582	-462	1027362	318,189
385	415		219° 39'	--	6.7	89° 20'	+4.8	-1.9		867.9		-323	-261	1027621	318,390
386	91		201° 05'	--	6.9	89° 20'	+1.1	-5.8		864.0		-85	-32	1027859	318,619
π	32		86° 30' 30"	--	5.0	89° 20'	+0.4	-4.6		865.2	π	+2	+32	1027946	318,683
π	0				5.2	-		-5.2		864.6	π	0	0	1027944	318,651
387	211		357° 07'	-0.7°	5.0	88° -	+7.4	+2.4		872.2		+211	-13	1028155	318,638
388	539		350° 50'	--	5.8	88° 50'	+11.0	+5.2		875.0		+531	-92	1028475	318,559
TP	702		351° 16' 14"	--	7.6	88° 50'	+14.3	+6.7		876.5	TP	+692	-115	1028636	318,563
TP	702				7.5	271° 10'	+14.3	+6.8			TP				
	1485		184° 10' 02"	-0.7°	6.0	91° -	+25.9	+31.9			BS	+1482	+90		
	1485				5.9	269° -	+25.9	+31.8	908.3		BS				
389	1319		183° 30'	--	9.9	90° 50'	-19.2	-29.1		879.2		-1317	-64	1028801	318,562
390	990		183° 15'	--	5.9	90° 50'	-14.4	-20.3		888.0		-989	-44	1029129	318,562

4 - 1,027,936 x - 318,690  
4 - intersect EL. 865.

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.15.84		B. Cotcamp		R. Trowbridge		6834		R.T. C.J.		15		37			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Pine mountain		Pine mountain		GEORGIA		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									908.3						
391	660		183° 15'	-0.7°	8.2	90° 30'	-5.8	-14.0		894.3		-659	-29	1029459	318597
392	330		" "	" "	5.7	90° 30'	-2.9	-8.6		899.7		-330	-15	1029788	318611
393	0				5.2	-		-5.2		903.1	π	0	0	1030118	318626
394	329		13° 40'	" "	5.6	88° 50'	+6.7	+1.1		909.4		+321	+74	1030439	318700
395	657		15° 12'	" "	11.8	88° 50'	+13.4	+1.6		909.9		+636	+165	1030754	318791
396	987		15° 00'	" "	8.7	89° -	+17.2	+8.5		916.8		+956	+244	1031074	318870
±	1149		14° 12' 41"	" "	6.1	89° -	+20.1	+14.0		920.3	TP	+1117	+268	1031235	318894
±	1149				6.0	271° -	+20.1	+14.1			TP				
	828	827.5	182° 14' 40"	-0.7°	7.2	92° -	+28.9	+36.1			BS	+827	+22		
	828				7.1	268° -	+28.9	+36.0	958.3		BS				
397	660		181° 19'	" "	10.2	91° 50'	-21.1	-31.3		927.0		-660	-7	1031462	318909
398	330		" "	" "	10.7	91° 50'	-10.6	-21.3		937.0		-330	-4	1031732	318912
399	0				5.2	-		-5.2		953.1	π	0	0	1032062	318916
400	329		15° 10'	-0.7°	6.4	86° 40'	+19.1	+12.7		971.0		+319	+82	1032281	318998
461	654		15° 23'	" "	10.0	86° 40'	+38.0	+28.0		986.3		+633	+166	1032695	319082
TP	823	821.9	14° 13' 44" 34"	" "	7.3	87° -	+43.0	+35.7		994.0	TP	+801	+185	1032863	319101
TP	823				7.2	273° -	+43.0	+35.8			TP				
	681	680.6	177° 32' 04"	" "	9.9	92° -	+23.8	+33.7	1027.7		BS	+680	-38		
	681				9.9	268° -	+23.8	+33.7			BS				
402	520		175° 54'	" "	7.8	92° -	-18.1	-25.9		1001.8		-518	+44	1033025	319107

4-1031205 x - 318900  
T- ENT sect. E1.922

(1026.3)

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.16.84		B. Cotcamp		R. Trowbridge		6834		C. J.		15		38			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Pine Mountain-1/2		G.A.		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									1022.7						
403	190		175° 54'	-0.7°	7.0	90° 40'	-2.2	-9.2		1018.5		-189	+16	1033,354	319,079
π	0				5.2	-		-5.2		1022.5	π	0	0	1033,543	319,063
π	134		20° 00'	" "	8.5	88° 20'	+3.9	-4.6		1023.1	π	+126	+44	1033,669	319,107
404	146		27° 10'	" "	9.0	88° 20'	+4.2	-4.8		1022.9		+131	+65	1033,674	319,128
405	476		32° 46'	" "	7.2	87° 30'	+20.7	+13.5		1041.2		+403	+253	1033,946	319,316
TP	650	649.4	30° 27' 11"	" "	2.6	87° 30'	+28.3	+25.7		1053.4	TP	+564	+322	1034,107	319,385
TP	650				2.6	272° 30'	+28.3	+25.7			TP				
	583	579.8	173° 59' 41"	-0.7°	3.8	96° -	+60.9	+64.7	1118.1		BS	+576	-68		
	583				+3.8	264° -	+60.9	+64.7			BS				
406	429		171° 12'	" "	8.3	95° 50'	-43.4	-51.7		1066.4		-423	+71	1034,260	319,388
407	103		158° 39'	" "	6.7	94° 10'	-7.5	-14.2		1103.9		-95	+39	1034,588	319,356
π	0				5.2	-		-5.2		1112.9	π	0	0	1034,683	319,317
408	227		326° 10'	-0.7°	9.0	85° 40'	+17.1	+8.1		1126.2		+187	-129	1034,870	319,188
409	554		318° 12'	" "	5.4	86° -	+38.6	+33.2		1151.3		+408	-374	1035,091	318,943
TP	753	750.9	318° 25' 47"	" "	5.2	85° 45'	+55.8	+50.6		1168.7	TP	+556	-505	1035,239	318,812
TP	753				5.1	274° 15'	+55.8	+50.7			TP				
	661	658.0	157° 05' 34"	" "	+10.0	95° 30'	+63.4	+73.4	1242.1		BS	+603	-263		
	661				+10.0	264° 30'	+63.4	+73.4			BS				
410	533		157° 26'	" "	6.1	96° -	-55.4	-61.5		1180.6		-490	+211	1035,352	318,760
411	203		159° 19'	" "	11.9	96° -	-21.1	-33.0		1209.1		-189	+74	1035,653	318,623

4-1033,620 x-319,10  
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SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
4-16-84		B. Cotramp		R. TROUBRIDGE		6834		R.T. C.V.		15		39				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		Pine Mountain 9 1/2		GEORGIA		HARRIS								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING 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
Bm	218		124° 00' 21"	-0.7	5.4	89° 40'	+1.3	-4.1	1242.1	1238.0	Bm	-120	+182	1035722	318731	y-1035-718 x-318-731 U.S.G.S. T12A 1934 EL 123 Bm
π	0				5.2	-		-5.2		1236.9	π	0	0	1035842	318549	
412	133		309° 07'	~	5.9	86° -	+9.3	+3.4		1245.5		+83	-104	1035925	318445	
413	455		315° 21'	~	10.6	86° 40'	+26.4	+15.8		1257.9		+320	-324	1036162	318225	
TP	531	530.3	312° 10' 19"	~	9.0	87° -	+27.8	+18.8		1260.9	TP	+351	-397	1036193	318152	
TP	531				8.9	273° -	+27.8	+18.9			TP					
	430		123° 37' 35"	-0.7	9.5	-		+9.5	1270.4		BS	+234	-361			
	430				11.7	TH	-2.2	+9.6			BS					
414	184		126° 08'	~	5.1	-		-5.1		1265.3		-107	+150	1036320	317941	
π	0				5.2	-		-5.2		1265.2	π	0	0	1036427	317791	
415	154		330° 32'	~	6.3	-		-6.3		1264.1		+133	-77	1036560	317714	
416	481		326° 03'	~	6.8	-		-6.8		1263.6		+396	-273	1036823	317518	
TP	600		327° 23' 42"	~	6.2	-		-6.2		1264.2	TP	+501	-329	1036928	317462	
TP	600				3.2	BH	-3.0	-6.2			TP					
	877	874.5	192° 03' 55"	-0.7	12.3	85° 40'	-66.1	-53.8	1210.4		BS	+857	+172			
	877				12.3	274° 20'	-66.1	-53.8			BS					
417	655		189° 44'	~	6.0	85° 50'	+47.5	+41.5		1251.9		-647	-103	1037138	317531	
418	328		182° 28'	~	7.3	85° 50'	+23.8	+31.1		1241.5		-328	-10	1037457	317624	
419	0				5.2	-		-5.2		1205.2	π	0	0	1037785	317634	
420	329		340° 53'	~	8.3	92° 10'	-12.4	-20.7		1189.7		+310	-112	1038095	317522	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-16-84		B. Cotcamp		R. TROWBRIDGE		6834		R.T. C.J.		15		40			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Pine Mountain-7 1/2		GEORGIA		HARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									1210.4						
421	659		335° 27'	-0.7°	11.1	90° 10'	-1.9	-13.0		1197.4		+596	-281	1038,381	317,353
422	986		334° 10'	~	8.6	88° 40'	+22.4	+14.3		1224.7		+882	-440	1038,667	317,194
TP	1204	1203.6	335° 02 07"	~	5.9	88° 30'	+31.5	+25.6		1236.0	TP	+1085	-521	1038,870	317,113
TP	1204				5.8	271° 30'	+31.5	+25.7			TP				
	606	605.9	210° 23 20"	-0.7°	13.2	89°	-10.6	+2.6			BS	+526	+300		
	606				+13.1	271°	-10.6	+2.5	1238.5		BS				
423	467		209° 10'	~	6.9	89°	+8.1	+1.2		1239.7		-411	-223	1038,983	317,190
424	142		201° 08'	~	7.4	86° 36'	+8.7	+1.3		1239.8		-133	-50	1039,263	317,363
X	0				5.2	-	-5.2			1233.3	X	0	0	1039,396	317,413
425	191		32° 13'	-0.7°	6.1	92°	-6.7	-12.8		1225.7		+163	+100	1039,559	317,513
426	518		24° 10'	~	7.3	92° 30'	-22.6	-29.9		1208.6		+475	+206	1039,871	317,619
427	845		26° 28'	~	12.0	93° 42'	-54.4	-66.4		1172.1		+761	+367	1040,157	317,780
TP	1024	1022.1	25° 39 29"	~	11.9	93° 30'	-62.4	-74.3		1164.2	TP	+927	+431	1040,323	317,844
TP	1024				11.8	266° 30'	-62.4	-74.2			TP				
	228	225.8	191° 14 45"	-0.7°	6.0	82°	-31.7	-25.7	1138.5		BS	+222	+41		
	228				+5.4	82° 10'	-31.1	-25.7			BS				
428	105		171° 20'	~	6.0	84° 30'	+10.0	+4.0		1142.5		-104	+17	1040,441	317,902
X	0				5.2	-	-5.2			1133.3	X	0	0	1040,545	317,885
429	225		334° 04'	~	6.4	93° 30'	-13.7	-20.1		1118.4		+201	-101	1040,746	317,784
430	555		333° 08'	~	9.8	92° 40'	-25.8	-35.6		1102.9		+492	-257	1041,040	317,628

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.16.84		B. Cotcamp		R. Trowbridge		6834		R.T. C Y		15		41			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Pine Mountain-1/2		GEORGIA		MARRIS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									1138.5						
431	885		332° 33'	-0.7	8.0	92° 40'	-41.1	-49.1		1089.4		+ 780	-418	1041325	317,467
432	1215		331° 50'	--	9.1	92° 40'	-56.5	-65.6		1072.9		+ 1064	-587	1041609	317,298
433	1545	1542.9	331° 19' 28"	--	9.6	93° -	-80.9	-90.5		1048.1	TP	+1345	-757	1041890	317,128
433	1545				9.4	267° -	-80.9	-90.3	-90.4 1/3		TP				
	1035	1032.5	133° 42' 31"	-0.7+	10.2	86° -	-72.2	-62.0			BS	+704	-755		
	1035			+	10.1	274° -	-72.2	-62.1	986.0		BS				
434	706		132° 54'	--	7.0	86° 20'	+45.1	+38.1		1024.1		-474	+523	1042120	316,896
435	376		" "	--	4.5	86° 20'	+24.0	+19.5		1005.5		-253	+279	1042341	316,652
436	46		" "	--	5.2	86° 20'	+2.9	+2.3		988.3		-31	+34	1042563	316,407
$\Sigma$	0				5.2	-		-5.2		980.8	$\Sigma$	0	0	1042594	316,373
437	281		323° 08'	-0.7	9.0	91° 50'	-9.0	-18.0		968.0		+223	-171	1042817	316,202
438	611		325° 37'	--	9.8	91° 50'	-19.5	-29.3		956.7		+500	-351	1043094	316,022
439	941		324° 40'	--	6.1	91° 50'	-30.1	-36.2		949.8		+761	-554	1043355	315,819
440	1271		323° 26'	--	5.0	91° 40'	-36.9	-41.9		944.1		+1011	-770	1043605	315,603
TP	1456	1455.6	323° 27' 46"	--	5.8	91° 20'	-33.9	-39.7		946.3	TP	+1159	-881	1043753	315,492
TP	1456				5.7	268° 40'	-33.9	-39.6			TP				
	379		167° 30' 29"	--	0.2	-		+0.2	946.5		BS	+369	-86		
	379				+2.1	TU	-1.9	+0.2			BS				
441	235		170° 48'	--	8.0	88° 40'	+5.5	-2.5		944.0		-232	+40	1043890	315,446
$\Sigma$	0				5.2	-		-5.2		941.3	$\Sigma$	0	0	1044122	315,406

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.16.84		B. Cotcamp		R. TROWBRIDGE		6834		R.R. C.Y.		15		42			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA				G.A.		HARRIS								L. O. Davis	
STATION NO.	SLOPE 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
									946.5						
442	94		3° 00'	-0.7	6.0	90° 40'	-1.1	-7.1		939.4		+ 94	+ 4	1044,216	315,410
443	423		10° 06'	"	8.9	91° 30'	-11.1	-20.0		926.5		+ 417	+ 69	1044,539	315,415
444	753		10° 08'	"	7.1	91° 30'	-19.7	-26.8		919.7		+ 743	+ 123	1044,815	315,529
TP	1009	1008.7	6° 35' 40"	"	2.2	91° 30'	-26.4	-28.6		917.9	TP	+1003	+104	1045,125	315,510
TP	1009				2.1	268° 30'	-26.4	-28.5			TP				
	810	809.5	171° 18' 00"	-0.7	5.1	88° -	-28.3	-23.2			BS	+ 799	-132		
	810				5.6	272° -	-28.3	-23.3	894.6		BS				
445	743		171° 32'	"	7.8	87° 40'	+30.2	+22.4		917.0		-734	+118	1045,190	315,496
446	413		174° 43'	"	6.9	87° 30'	+18.0	+11.1		905.7		-411	+43	1045,513	315,421
447	84		178° 53'	"	7.0	86° 20'	+5.4	-1.6		893.0		-84	+3	1045,840	315,381
Σ	0				5.2	-		-5.2		889.4	Σ	0	0	1045,924	315,378
448	246		1° 44'	-0.7	10.8	91° 50'	-7.9	-18.7		875.9		+246	+4	1046,170	315,382
449	505		0° 09' 20"	"	11.5	92° 10'	-19.1	-30.6		864.0	44	+505	-5	1046,429	315,373
449	576		1° 44'	"	11.3	92° 10'	-21.8	-33.1		861.5		+576	+10	1046,500	315,388
450	906		" "	"	9.1	91° 50'	-29.0	-38.1		856.5		+906	+16	1046,830	315,394
451	1236		" "	"	7.6	91° 30'	-32.3	-39.9		854.7		+1236	+22	1047,160	315,400
452	1566		1° 44'	-0.7	12.0	90° 40'	-18.2	-30.2		864.4		+1566	+28	1047,490	315,406
453	1896		" "	"	7.9	90° 30'	-16.6	-24.5		870.1		+1896	+34	1047,820	315,412
454	2226		" "	"	5.0	90° 30'	-19.4	-24.4		870.2		+2226	+40	1048,150	315,418

S - 1,046,465 X - 315,390  
T - ROAD WEST EL. 862.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
4-16-84		B. Cotcamp		R. Trowbridge		6834		R.T. O.J.		15		43				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		DURAND - 7 1/2'		GEORGIA										L.O. Davis		
STATION NO.	SLOPE 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
455	2553		0° 47' 07"	-0.7°	9.4	90° 20'	-14.9	-25.3 <sup>x</sup>	894.6	869.3	TP	+2553	+4	1,048,477	315,382	
455	2553				9.3	269° 40'	-14.9	-25.2			TP					
	749	748.5	160° 00' 35"	" +	9.8	88° -	-26.1	-16.3			BS	+700	-264			
	749				+9.7	272° -	-26.1	-16.4 <sup>x</sup>	852.9		BS					
456	465 419		158° 25'	"	6.8	87° 30'	+18.3	+11.5		864.4		-388	+159	1,048,789	315,277	
457	92		151° 33'	"	6.2	87° 30'	+4.0	-2.2		850.7		-80	+45	1,049,097	315,163	
π	0				5.2	-		-5.2		847.7	π	0	0	1,049,177	315,118	
458	249		7° 30'	-0.7°	11.1	91° 50'	-8.0	-19.1		833.8		+247	+29	1,049,424	315,147	
459	577		11° 56'	"	8.8	91° 50'	-18.5	-27.3		825.6		+566	+112	1,049,743	315,230	
460	907	906.8	12° 23' 02"	"	8.7	91° 20'	-21.1	-29.8 <sup>x</sup>		823.1	TP	+888	+184	1,050,065	315,302	
460	907				8.6	268° 40'	-21.1	-29.7			TP					
	1155	1154.3	177° 09' 12"	-0.7° +	3.2	88° -	-40.3	-37.1			BS	+1152	-71			
	1155				+3.1	272° -	-40.3	-37.2 <sup>x</sup>	785.9		BS					
461	827		176° 10'	"	8.2	87° 40'	+33.6	+25.4		811.3		-824	+65	1,050,393	315,295	
462	497		" "	"	8.5	87° 40'	+20.2	+11.7		797.6		-495	+39	1,050,722	315,270	
463	167		" "	"	8.2	87° 40'	+6.8	-1.4		784.5		-166	+13	1,051,051	315,244	
π	0				5.2	-		-5.2		780.7	π	0	0	1,051,217	315,231	
464	163		4° 30'	-0.7°	7.0	-		-7.0		778.9		+163	+11	1,051,380	315,242	
465	493		7° 27'	"	9.0	-		-9.0		776.9		+490	+58	1,051,707	315,289	
II	630		6° 59' 25"	"	9.0	-		-9.0		776.9	II	+626	+69	1,051,843	315,300	Bridge EL. 775.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.16.84		B. Cotcamp		R. Trowbridge		6834		R.T. [initials]		15		44			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DURAND -7 1/2		GEORGIA										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
									785.9						
466	823		8° 40'	-0.7°	8.6	-		-8.6		777.3		+ 815	+114	1,052,032	315,345
467	1153		8° 56'	"	7.8	74	+5.8	-2.0		783.9		+1141	+165	1,052,358	315,396
468	1482		8° 22'	"	7.1	89° 30'	+12.9	+5.8		791.7		+1469	+198	1,052,686	315,429
469	1811		7° 18' 30"	-0.5°	2.7	89° 30'	+15.8	+13.1		799.0	TP	+1798	+215	1,053,015	315,446
469	1811				2.7	270° 30'	+15.8	+13.1			TP				
	3885		181° 13' 47"	" +	11.4	90° 30'	+33.9	+45.3			BS	+3885	+49		
	3885			" +	11.1	269° 30'	+33.9	+45.0	452844.2		BS				
470	3554		181° 13'	"	10.9	90° 30'	-31.0	-41.9		802.3		-3554	-44	1,053,346	315,451
471	3224		" "	"	11.9	90° 30'	-28.1	-40.0		804.2		-3224	-40	1,053,676	315,455
472	2894		181° 08'	-0.5°	11.9	90° 30'	-25.3	-37.2		807.0		-2894	-32	1,054,006	315,463
473	2564		181° 06'	"	12.1	90° 30'	-22.4	-34.5		809.7		-2564	-27	1,054,336	315,468
474	2234		" "	"	10.7	90° 30'	-19.5	-30.2		814.0		-2234	-23	1,054,666	315,472
475	1904		180° 56'	"	8.1	90° 30'	-16.6	-24.7		819.5		-1904	-14	1,054,996	315,481
476	1574		180° 46'	"	8.2	90° 30'	-13.7	-21.9		822.3		-1574	-7	1,055,326	315,488
477	1244		180° 31'	"	9.2	90° 30'	-10.9	-20.1		824.1		-1244	±0	1,055,656	315,495
478	914		180° 10'	-0.5°	7.6	90° 30'	-8.0	-15.6		828.6		-914	+5	1,055,986	315,500
479	735		180° 40' 18"	"	4.0	90° 30'	-6.4	-10.4		833.8	±	-735	-2	1,056,316	315,493
479	584		180° 40'	"	7.5	90° 30'	-5.1	-12.6		831.6		-584	-2	1,056,646	315,494
480	254		" "	"	9.8	90° 30'	-2.2	-12.0		832.2		-254	-1	1,056,976	315,494
±	0				5.2	-		-5.2		839.0	±	0	0	1,056,900	315,495

11 y = 1,056,175 x = 315,510  
7 F 4 WAY EL. 834.0

LEVEL NOTES - HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.16.84		B. Cotcamp		R. Troubridge		6834		R.T.		15		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DURAND - 1/2'		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE 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
									844.2						
481	76		1° 49'	-0.5°	5.1	90° 50'	-1.1	-6.2		838.0		+76	+2	1056976	315497
482	406		" "	" "	4.9	92° 20'	-16.5	-21.4		822.8		+406	+9	1057306	315504
483	736		" "	" "	8.9	92° 20'	-29.9	-38.8		805.4		+736	+17	1057636	315512
484	1066	1065.1	1° 37' 18"	" "	6.4	92° 20'	-43.4	-49.8			TP	+1065	+21	1057965	315516
484	1066				6.3	267° 40'	-43.4	-49.7 <sup>x</sup>		794.5	TP				
	1100		202° 07' 10"	-0.5 <sup>+</sup>	10.2	TH	-5.5	+4.7 <sup>x</sup>	799.2		BS	+1023	+405		
	1100				10.1	TH	-5.5	+4.6			BS				
485	778		206° 17'	" "	11.2	-		-11.2		788.0		-701	-338	1058287	315583
486	451		204° 30'	" "	10.8	-		-10.8		788.4		-412	-183	1058576	315738
487	130		213° 50'	" "	10.1	-		-10.1		789.1		-109	-71	1058879	315850
π	0				5.2	-		-5.2		794.0	π	0	0	1058988	315921
488	249		326° 48'	-0.5	9.2	-		-9.2		790.0		+207	-138	1059195	315783
489	565		318° 47'	" "	9.0	-		-9.0		790.2		+422	-376	1059410	315545
490	895		317° 41'	" "	5.2	-		-5.2		794.0		+658	-607	1059646	315314
Y	971		318° 03' 40"	" "	8.4	TH	+4.9	-3.5			TP	+717	-655	1059705	315266
Y	971				8.3	TH	+4.9	-3.4 <sup>x</sup>		795.8	TP				
	607	606.6	175° 04' 58"	" "	10.0	92°	+21.2	+31.2 <sup>x</sup>	827.0		BS	+604	-57		
	607				9.9	268°	+21.2	+31.1			BS				
491	347		178° 52'	" "	7.8	92°	-12.1	-19.9		807.1		-347	+10	1059962	315219
491	84		151° 34' 30"	" "	6.3	-		-6.3		820.7	π	-74	+41	1060235	315250

OFF ROAD NEAR POWER LINE

1,060.205 X - 315,300  
R.R. CROSSING

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-17-84		B. C. C. C.		R. Trowbridge		6834		R.T.		15		46			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Durand 1/2"		G.A.		Mer. Wether.								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									827.0						
π	0				5.2	-		-5.2		821.8	π	0	0	1060309	315289
492	80		110° 56'	-0.5°	7.1	-		-7.1		819.9		-28	+75	1060281	315284
493	236		338° 30'	--	5.8	89° 10'	+3.4	-2.4		824.6		+219	-88	1060528	315121
494	501		307° 02'	--	10.1	89° 40'	+2.9	-7.2		819.8		+298	-403	1060607	314806
495	770		309° 52' 28"	--	10.0	89° 40'	+4.5	-5.5			TP	+486	-597	1060795	314612
495	770				9.9	270° 20'	+4.5	-5.4		821.6	TP				
	1369	1368.5	188° 10' 30"	-0.5°	13.3	91° 30'	+35.8	+49.1	870.7		BS	+1356	+183		
	1369				+13.2	268° 30'	+35.8	+49.0			BS				
496	1039		187° 53'	--	9.8	91° 30'	-27.2	-37.0		833.7		-1030	-134	1061121	314661
497	710		187° 30'	--	6.6	91° 30'	-18.6	-25.2		845.5		-705	-87	1061446	314708
498	380		186° 25'	--	10.8	90° 30'	-3.3	-14.1		856.6		-378	-39	1061773	314756
#	316		186° 41' 15"	--	7.5	90° 30'	-2.8	-10.3		860.4	#	-314	-34	1061837	314761
499	53		173° 20'	--	6.7	87° -	+2.8	-3.9		866.8		-53	+7	1062098	314802
π	0				5.2	-		-5.2		865.5	π	0	0	1062151	314795
500	286		33° 57'	-0.5°	6.9	90° 20'	-1.7	-8.6		862.1		+239	+158	1062390	314953
#	359		31° 24'	--	7.1	90° 20'	-2.1	-9.2		861.5	#	+308	+184	1062459	314979
501	616		32° 03'	--	8.8	90° 30'	-5.4	-14.2		856.5		+525	+322	1062676	315117
502	946		31° 27'	--	11.0	90° 20'	-5.5	-16.5		854.2		+811	+487	1062962	315282
TP	1254		26° 57' 06"	--	5.0	90° 20'	-7.3	-12.3			TP	+1123	+559	1063274	315354
TP	1254				4.9	269° 46'	-7.3	-12.2		858.5	TP				

# 4 - 1,061,800 x - 314,790  
# 4 W.P.M. Int.

# 5 - 1,062,420 x - 315,005  
# 4 W.P.M. Int.

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE 4.18.84 INSTRUMENT MAN B. Cotcan P ROD MAN R. Trowbridge PARTY NUMBER 6834 NOTES CHECKED BY R.T. LINE NO. 15 PAGE 47  
 AREA GEORGIA TOPO MAP DURAND - 7 1/2 STATE G.A. 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.	
	1569	1568.8	186° 00' 29"	-0.5°	7.8	89° -	-27.4	-19.6	838.8		BS	+1562	+151	
	1569				+7.5	211° -	-27.4	-19.9		BS				
503	1594		185° 08'	"	8.5	89° -	+27.8	+19.3		858.1		-1589	-129	1063247 315376
±	1559		187° 25' 35"	"	7.0	89° -	+27.2	+20.2		859.0	±	-1547	-188	1063289 315317 ± -1,063,295 x -315,345 T-inter
504	1316		184° 12'	"	7.6	89° -	+23.0	+15.4		854.2		-1313	-85	1063523 315420
505	987		184° 53'	"	9.8	89° -	+17.2	+7.4		846.2		-984	-75	1063852 315430
506	659		186° 46'	"	11.1	89° -	+11.5	+0.4		839.2		-655	-72	1064181 315433
507	330		187° 38'	"	7.9	89° -	+5.8	-2.1		836.7		-327	-41	1064509 315464
508	0				5.2	-		-5.2		833.6	π	0	0	1064836 315505
509	81		354° 43' 22"	-0.5°	5.4	-		-5.4		833.4	5/1	+81	-8	1064917 315497 5/1 -1,064,920 x -315,502 h-inter, sec EL. 833.
509	330		7° 15'	"	8.1	91° -	-5.8	-13.9		824.9		+328	+39	1065164 315544
510	660		" "	"	11.3	91° -	+11.5	-22.8		816.0		+655	+78	1065491 315583
511	989		" "	"	7.7	90° 50'	-14.4	-22.1		816.7		+982	+116	1065818 315621
512	1319		" "	"	10.7	90° 50'	-19.2	-27.9		808.9		+1310	+155	1066146 315660
513	1649		7° 11'	"	8.7	90° 40'	-19.2	-27.9		810.9		+1638	+192	1066474 315697
514	1979		7° 08'	"	12.0	90° 20'	-11.5	-23.5		815.3		+1966	+229	1066802 315734
515	2309		7° 02' 10"	"	4.5	90° 10'	-6.7	-11.2			TP	+2294	+263	1067130 315768
515	2309			"	4.4	269° 50'	-6.7	-11.1		827.7	TP			

SRVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 4.18.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. TROWBRIDGE	PARTY NUMBER 6834	NOTES CHECKED BY RIT	LINE NO. 15	PAGE 48
AREA GEORGIA	TOPO MAP DURAND - 7 1/2'	STATE Georgia	COUNTY MERiwether	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.	WEST -	DEP.	Y	X	
	1284		188° 36' 47"	-0.5'	15.1	89° 52'	-3.0	+12.1	839.8		BS	+1271	+181					
	1284				+15.0	270° 08'	-3.0	+12.0			BS							
516	953		187° 44'	" "	12.0	89° 50'	+2.8	-9.2		830.6		-945	-120	1067456	315829			
517	623		" "	" "	8.9	89° 30'	+5.4	-3.5		836.3		-618	-78	1067783	315871			
518	293		188° 37'	" "	7.9	88° 40'	+6.8	-1.1		838.7		-290	-41	1068111	315908			
Σ	0				5.2	-		-5.2		834.6	Σ	0	0	1068401	315949			
IF	38		314° 15' 25"	-0.5'	6.4	-		-6.4		833.4	IF	+26	-27	1068427	315922		OFF-LINE IN WOODS	
519	48		340° 22'	" "	6.9	-		-6.9		832.9		+45	-17	1068446	315932			
520	367		330° 22'	" "	9.3	-		-9.3		830.5		+317	-184	1068718	315765			
TP	607		329° 42' 29"	" "	9.0	90° 40'	-7.1	-16.1		823.7	TP	+521	-311	1068922	315628			
TP	607				9.0	269° 20'	-7.1	-16.1			TP							
	745	-744.6	182° 47' 24"	-0.5'	9.8	88° 10'	-23.8	-14.0	809.7		BS	+744	+30					
	745				+9.7	271° 50'	-23.8	-14.1			BS							
521	650		182° 13'	" "	7.1	88° 20'	+18.9	+11.8		821.5		-650	-19	1069016	315649			
522	320		181° 33'	" "	6.7	87° 50'	+12.1	-5.4		804.3		-320	-6	1069346	315662			
Σ	0				5.2	-		-5.2		804.5	Σ	0	0	1069444	315668			
523	57		87° 54'	-0.5'	6.4	91° 30'	-1.5	-7.9		801.8		+3	+57	1069449	315725			
524	361		44° 19'	" "	9.9	91° 30'	-9.4	-19.3		796.4		+260	+250	1069926	315918			
525	689		44° 40'	" "	8.8	91° 30'	-18.0	-26.8		782.9		+494	+480	1070160	316148			
JK	708		43° 37' 06"	" "	8.2	91° 30'	-18.4	-26.6		783.1	JK	+513	+480	1070179	316148		OFF-LINE IN WOODS	

1068405 X 316,000  
T-ROAD EAST EL. 833

OFF-LINE IN WOODS

1070,200 X 316,210  
BRIDGE EL. 783.0

VEY NOTES-HIGH RESOLUTION DATA

J-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
4.18.84		B. Cotcamp		R. Trowbridge		6834		R.L. [initials]		15	49				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Georgia		Durand-7 1/2'		G.A.		Meriwether					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									809.7						
TP	739		43° 21' 12"	-0.5°	7.2	91° 30'	-19.3	-26.5			TP	+542	+502	1070,208	316,170
TP	739				7.1	268° 30'	-19.3	-26.4		783.3	TP				
	604	603.6	199° 15' 19"	-0.5°	4.3	92° -	+21.1	+25.4		808.7	BS	+572	+194		
	604				4.2	268° -	+21.1	+25.3			BS				
526	330		194° 15'	-0.5°	9.1	92° 10'	-12.5	-21.6		787.1		-321	-78	1070,459	316,286
527	0				5.2	-		-5.2		803.5	X	0	0	1070,780	316,364
528	330		12° 00'	-0.5°	7.1	88° -	+11.5	+4.4		813.1		+323	+66	1071,103	316,430
529	660	659.6	12° 37' 26"	-0.5°	7.4	88° -	+23.0	+15.6			TP	+645	+139	1071,425	316,503
529	660				7.3	272° -	+23.0	+15.7		824.4	TP				
	2352	2351.8	186° 30' 33"	-0.5°	7.4	90° 40'	+27.4	+34.8		859.1	BS	+2339	+246		
	2352				7.1	269° 20'	+27.4	+34.5		+34.7	BS				
530	2022		186° 19'	-0.5°	11.2	90° 50'	-27.4	-40.6		818.5		-2012	-205	1071,752	316,544
531	1692		186° 13'	-0.5°	7.7	91° 20'	-39.4	-47.1		812.0		-1684	-169	1072,080	316,580
532	1362		" "	-0.5°	11.8	91° 20'	-31.7	-43.5		815.6		-1355	-136	1072,409	316,613
533	1032		185° 44'	-0.5°	9.8	91° 20'	-24.0	-33.8		825.3		-1028	-94	1072,736	316,655
IF	863		186° 04' 29"	-0.5°	8.0	91° 20'	-20.1	-28.1		831.0	IF	-859	-84	1072,905	316,665
534	702		185° 30'	-0.5°	6.7	91° 20'	-16.3	-23.0		836.1		-699	-61	1073,065	316,688
535	372		" "	-0.5°	7.3	90° 40'	-4.3	-11.6		847.5		-371	-32	1073,393	316,717
536	42		" "	-0.5°	6.8	87° 40'	+1.7	-5.1		854.0		-42	-4	1073,722	316,745
X	0				5.2	-		-5.2		853.9	X	0	0	1073,704	316,749

Dirt ends  
1/5 - 1,072,855 x - 316,700  
1/5 - Road west

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.18.84		B. Cotcamp		R. Trowbridge		6834		R		15		50			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Durand-7 1/2'		G.A.		Meriwether								L.O. Davis	
STATION NO.	SLOPE 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
									859.1						
537	286		10° 38'	-0.5°	7.9	90° 40'	-3.3	-11.2		847.9		+282	+50	1074046	316799
538	616		12° 57'	--	6.0	90° 30'	-5.4	-11.4		847.7		+602	+133	1074366	316882
539	946		14° 22'	--	7.2	-		-7.2		851.9		+918	+227	1074682	316976
540	1295		15° 09'	--	10.3	-		-10.3		848.8		+1234	+322	1074998	317071
541	1605		15° 16'	-0.5°	7.6	BH	-8.0	-15.6		843.5		+1552	+409	1075316	317158
542	1935		15° 35'	--	6.1	BH	-9.7	-15.8		843.3		+1868	+504	1075632	317253
543	2264		15° 30'	--	12.0	-		-12.0		847.7		+2187	+586	1075951	317335
544	2594		" "	--	5.3	-		-5.3		853.8		+2506	+671	1076270	317420
545	2928		15° 28' 17"	--	9.4	89° 40'	+17.0	+7.6			TP	+2829	+756	1076593	317505
545	2928				9.1	270° 20'	+17.0	+7.9	+7.8	866.9	TP				across sta.
	447	446.5	208° 08' 27"	-0.5°	7.1	92° 40'	+20.8	+27.9	894.8		BS	+396	+207		
	447				+7.0	267° 20'	+20.8	+27.8			BS				
546	126		188° 50'	--	6.9	91° -	-2.2	-9.1		885.7		-125	-18	1076864	317694
Δ	157		167° 57' 06"	--	3.6	91° -	-2.7	-6.3		888.5	Δ	-153	+34	1076836	317746
±	35		123° 35' 12"	--	5.2	-		-5.2		889.6		-19	+29	1076970	317741
∩	0				5.2	-		-5.2		889.6	∩	0	0	1076989	317712
547	158		285° 50'	-0.5°	5.3	88° 50'	+3.2	-2.1		892.7		+42	-152	1077031	317560
548	488		285° 10'	--	6.0	88° 40'	+11.4	+5.4		900.2		+124	-472	1077113	317240
549	813		280° 19'	--	5.3	88° 40'	+18.9	+13.6		908.4		+139	-801	1077286	316911

9-1076.845 x - 317,789  
 U.S.G.S. TT 7A EL. 888.5  
 1934  
 BACK on D. 121

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.18.84		B. Cotamp		R. Trowbridge		6834		B.C.		15		51			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DURAND - 7 1/2		GEORGIA		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									894.8						
TP	855	854.7	279° 13' 52"	-0.5	7.2	88° 30'	+22.4	+15.2		910.0	TP	+130	-845	1077,119	316,867
TP	855				7.1	271° 30'	+22.4	+15.3			TP				
	2715		91° 59' 22"	--	4.8	89° 24'	-28.4	-23.6			BS	+71	-2714		
	2715				+4.7	270° 36'	-28.4	-23.7	886.3		BS				
550	2429		92° 10'	--	5.3	89° 40'	+14.1	+8.8		895.1		-71	+2428	1077,119	316,581
551	2699		" "	--	11.8	TM	+10.5	-1.3		885.0		-61	+2098	1077,129	316,251
552	1769		" "	--	12.7	-		-12.7		873.6		-51	+1768	1077,139	315,921
553	1439		92° 15'	-0.5	6.2	90° 50'	-20.9	-27.1		859.2		-44	+1438	1077,146	315,591
554	1109		" "	--	6.9	91° 30'	-29.0	-35.9		850.4		-34	+1108	1077,156	315,261
555	779		" "	--	9.6	91° 50'	-24.9	-34.5		851.8		-24	+779	1077,166	314,932
556	449		92° 15'	--	11.5	91° 50'	-14.4	-25.9		860.4		-14	+449	1077,176	314,602
557	122		" "	--	8.8	91° 50'	-3.9	-12.7		873.6		-4	+122	1077,186	314,275
X	0				5.2	-		-5.2		881.1	X	0	0	1077,190	314,153
558	268		271° 08'	-0.5	12.0	-		-12.0		874.3		+2	-208	1077,192	313,945
559	538		" "	--	11.2	90° 40'	-6.3	-17.5		868.8		+6	-538	1077,196	313,615
TP	816		269° 20' 28"	--	3.8	90° 10'	-2.4	-6.2		880.1	TP	-17	-816	1077,173	313,337
TP	816				3.7	269° 50'	-2.4	-6.1			TP				
	2050		156° 37' 32"	--	7.1	TM	-10.3	-3.2	876.7		BS	+1875	-830		
	2050				+6.8	TM 270-	-10.3	-3.5	-3.4		BS				

1077,110 x - 313,400  
T - INTER. EL. 879.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-18-84		B. Cotcamp		R. Trowbridge		6834		R.T.		15		52			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Durand - 7 1/2'		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									876.7						
560	1976		156° 45'	-0.5°	8.2	TM	+9.9	+1.7		878.4		-1809	+796	1077239	313303
561	1647		" "	" "	8.2	TM	+8.2	+0.0		876.7		-1508	+663	1077540	313170
#	1477		156° 53' 16"	" "	12.3	TM	+7.4	-4.9		871.8	#	-1353	+592	1077695	313099
562	1317		156° 23'	" "	9.6	-		-9.6		867.1		-1202	+538	1077846	313045
563	987		155° 55'	" "	9.8	-		-9.8		866.9		-898	+411	1078150	312918
564	657		155° 12'	" "	11.3	-		-11.3		865.4		-594	+281	1078454	312788
565	328		151° 48'	" "	9.6	-		-9.6		867.1		-288	+158	1078760	312665
566	0				5.2	-		-5.2		871.5	X	0	0	1079048	312507
567	330		315° 15'	-0.5°	6.0	88° 50'	+6.7	+0.7		877.4		+232	-234	1079260	312273
568	660		312° 56' 43"	" "	4.6	89° 10'	+9.6	+5.0		881.7	TP	+445	-487	1079493	312020
568	660				4.5	270° 50'	+9.6	+5.1			TP				
	1732		132° 39' 55"	" "	11.2	TM	-8.7	+2.5			BS	+1163	-1284		
	1732				11.1	TM 270°	-8.7	+2.4	884.1		BS				
569	1405		134° 26'	-0.5°	9.1	-		-9.1		875.0		-975	+1012	1079681	311748
570	1080		132° 10'	" "	10.1	-		-10.1		874.0		-718	+807	1079938	311543
571	753		131° 20'	" "	9.2	BM	-3.8	-13.0		871.1		-492	+570	1080164	311306
572	428		135° 04'	" "	11.6	91°	-7.5	-19.1		865.0		-300	+305	1080356	311041
573	109		114° 26'	" "	9.3	91°	-1.9	-11.2		872.9		-44	+100	1080612	310836
X	0				5.2	-		-5.2		878.9	X	0	0	1080656	310736
574	252		350° 07'	-0.5°	9.7	-		-9.7		874.4		+248	-45	1080904	310691

-1,077,700 x - 313,130  
powerline + ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4.18.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. TROWBRIDGE	PARTY NUMBER	6834	NOTES CHECKED BY	BC	LINE NO.	15	PAGE	53
AREA	GEORGIA	TOPO MAP	DURAND - 7 1/2	STATE	G.A.	COUNTY	MERIWETHER	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.	
									884.1					
575	579		343 44	-0.5	10.7	-		-10.7		873.4		+554	-167	1081210 310,569
576	907		341 10	--	7.2	-		-7.2		876.9		+856	-300	1081512 310,436
577	1236		339 57	--	8.7	TM	+6.2	-2.5		881.6		+1157	-434	1081813 310,302
578	1561		337 38	--	7.7	89 30	+13.6	+5.9		890.0		+1438	-607	1082094 310,129
TP	1680		332 50 23	--	8.8	89 30	+14.7	+5.9		890.0	TP	+1488	-780	1082144 309,956
TP	1680				8.8	270 30	+14.7	+5.9			TP			
	712		143 41 33	-0.5+	2.1	89°	-12.4	-10.3			BS	+570	-427	
	712				+2.0	271°	-12.4	-10.4	879.6		BS			
579	545		143 00	--	10.2	89°	+9.5	-0.7		878.9		-432	+332	1082282 309,861
580	228		157 10	--	7.3	-		-7.3		872.3		-209	+90	1082505 309,619
X	0				5.2	-		-5.2		874.4	X	0	0	1082714 309,529
581	97		0 20	-0.5	5.2	88 30	+2.5	-2.7		876.9		+97	=0	1082811 309,529
581	390		356 31, 04	--	6.3	88 50	+7.9	+1.6		881.2	581	+389	-27	1083103 309,502
582	425		0 37	--	6.1	88 50	+8.7	+2.6		882.2		+425	+1	1083139 309,530
583	755		1 25	--	10.1	89°	+13.2	+3.1		882.7		+755	+12	1083469 309,541
584	1085		1 05 59	--	13.4	89 20	+12.6	-0.8		878.8	TP	+1085	+11	1083799 309,540
584	1085				13.3	270 40	+12.6	-0.7			TP			
	743	742.6	180 53 34	-0.5+	10.5	88°	-25.9	-15.4	863.3		BS	+743	+5	
	743				+10.3	272°	-25.9	-15.6	-15.53		BS			

1083060  
y - Inter. x - 39,550

RYEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.18.84		B. Cotcamp		R. Trowbridge		6834		RT		15		54			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DURAND - 7 1/2		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									863.3						
585	413		180° 55'	-0.5°	7.0	88° 10'	+13.2	+6.2		869.5		-413	-3	1,084,129	309,542
#1	201		184° 22' 16"	--	3.3	88° 10'	+6.4	+3.1		866.4	#1	-200	-14	1,084,342	309,531
586	84		175° 20'	--	6.8	86° 10'	+5.6	-1.2		862.1		-84	+8	1,084,458	309,553
π	0				5.2	-		-5.2		858.1	π	0	0	1,084,542	309,545
587	280		60° 40'	-0.5°	6.0	91° 40'	-8.1	-14.1		849.2		+139	+243	1,084,181	309,788
588	609		58° 39'	--	7.3	92° -	-21.2	-28.5		834.8		+321	+517	1,084,863	310,062
589	939		59° 04'	--	11.0	92° 10'	-35.5	-46.5		816.8		+490	+801	1,085,032	310,346
590	1268		59° 25'	--	10.8	92° 30'	-55.3	-66.1		797.2		+655	+1086	1,085,197	310,631
591	1598		59° 40'	--	5.1	92° 30'	-69.6	-74.7		788.6		+819	+1372	1,085,361	310,917
592	1928		59° 02'	--	12.0	92° -	-67.2	-79.2		784.1		+1006	+1644	1,085,548	311,184
TP	2082	2080.5	58° 30' 17"	--	6.8	92° 10'	-78.7	-85.5			TP	+1102	+1764	1,085,644	311,309
TP	2082				6.9	267° 50'	-78.7	-85.6		777.7	TP				
	736		197° 18' 25"	-0.5°	5.8	89° 20'	-8.6	-2.8			BS	+705	+213		
	736				5.7	270° 40'	-8.6	-2.9	774.8		BS				
593	558		194° 46'	--	8.2	88° 50'	+11.4	+3.2		778.0		-541	-138	1,085,608	311,384
594	227		190° 10'	--	7.7	88° 50'	+4.6	-3.1		771.7		-224	-38	1,086,125	311,484
π	0				5.2	-		-5.2		769.6	π	0	0	1,086,349	311,522
595	103		10° 20'	--	6.0	89° 40'	+0.6	-5.4		769.4		+101	+18	1,086,450	311,540
IC	433		8° 48' 25"	--	7.4	89° 40'	+2.5	-4.9		769.9	IC	+428	+63	1,086,777	311,585
596	433		10° 20'	--	7.8	89° 40'	+2.5	-5.3		769.5		+427	+74	1,086,976	311,596

4-1,084,310 R-309,535  
7-ROAD EL. 866.0

5-1,086,760 X-311,605  
IC Bridge EL. 771.0

TRIEVE NOTES-HIGH RESOLUTION DATA

Geosource Inc.

20-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.18.84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		55			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DURAND - 7 1/2'		GEORGIA		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									774.8						
597	763		11° 01'	-0.5°	6.9	89° 50'	+2.2	-4.7		770.1		+750	+139	1,087,099	311,661
TP	1071		12° 18' 54"	"	7.0	89° 40'	+6.2	-0.8		774.0	TP	+1048	+219	1,087,397	311,741
TP	1071				6.9	270° 20'	+6.2	-0.7			TP				
	2535	2534.6	224° 07' 30"	" +	3.5	91°	+44.2	+47.7	821.7		BS	+1835	+1749		
	2535			" +	10.8	269° 10'	+36.9	+47.7			BS				
598	2508		224° 00'	"	9.4	90° 50'	-36.5	-45.9		775.8		-1819	-1726	1,087,413	311,764
599	2176		224° 35'	-0.5°	9.7	90° 50'	-31.6	-41.3		780.7		-1563	-1514	1,087,669	311,976
600	1844		" "	"	9.8	90° 50'	-26.8	-36.6		785.1		-1326	-1284	1,087,906	312,206
601	1514		" "	"	10.7	90° 50'	-22.0	-32.7		789.0		-1089	-1055	1,088,143	312,435
602	1186		224° 35'	"	9.8	90° 50'	-17.2	-27.0		794.7		-852	-825	1,088,380	312,665
603	856		" "	"	8.2	90° 50'	-12.4	-20.6		801.1		-615	-596	1,088,617	312,894
604	526		224° 10'	-0.5°	7.2	90° 50'	-7.6	-14.8		806.9		-380	-363	1,088,852	313,127
605	196		223° 40'	"	6.0	90° 50'	-2.8	-8.8		812.9		-143	-134	1,089,089	313,356
TP	143		227° 48' 10"	"	5.3	90° 50'	-2.1	-7.4		814.3		-97	-105	1,089,135	313,385
π	0				5.2	-		-5.2		816.5	π	0	0	1,089,232	313,490
606	415		271° 25'	-0.5°	6.4	87° 20'	+19.3	+12.9		834.6		+7	-415	1,089,239	313,075
607	743		271° 50'	"	11.0	87° 20'	+34.5	+23.5		845.2		+17	-743	1,089,249	312,747
608	1070		" "	"	14.8	87° 34'	+45.4	+30.6		852.3		+25	-1070	1,089,257	312,420
TP	1071	1070.0	271° 53' 55"	"	14.9	87° 34'	+45.5	+30.6		852.3	TP	+26	-1070	1,089,258	312,420
TP	1071				14.8	272° 26'	+45.5	+30.7			TP				

5-1,089,110 X- 313,715  
IF T- INTER.

VEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

LO-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-19-84		B. Cotcamp		R. Trowbridge		6834		R.T.		15		56			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia				G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE 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
									852.3						
	509		107° 30' 27"	-0.5	+ 8.8	89°	-8.9	-0.1			BS	+149	-487		
	509				+ 8.7	271°	-8.9	-0.2	852.1		BS				
609	202		128° 40'		8.1	89°	+3.5	-4.6		847.5		-125	+159	1089,282	312,092
	π	0			5.2	-		-5.2		846.9	π	0	0	1089,407	311,933
610	130		338° 20'		5.2	89°	+2.3	-2.9		849.2		+120	-49	1089,527	311,884
611	454	453.5	351° 45' 53"		6.0	87° 16'	+22.4	+16.4		868.5	TP	+448	-69	1089,855	311,864
611	454				6.0	272° 50'	+22.4	+16.4			TP				
	1549		161° 33' 40"	-0.5	+ 3.1	89° 30'	-13.5	-10.4			BS	+1465	-503		
	1549				+ 3.0	270° 30'	-13.5	-10.5	858.0		BS				
612	1249		156° 53'		6.8	90° 10'	-3.6	-10.4		847.6		-1144	+500	1090,176	311,861
613	930		154° 30'		9.1	90° 40'	-10.8	-19.9		838.1		-836	+408	1090,484	311,769
614	600		152° 56'		12.0	90° 54'	-9.4	-21.4		836.6		-532	+278	1090,788	311,639
615	275		147° 50'		6.7	89° 50'	+0.8	-5.9		852.1		-232	+148	1091,088	311,509
	π	0			5.2	-		-5.2		852.8	π	0	0	1091,320	311,361
616	55		343° 07'	-0.5	8.0	89° 50'	+0.2	-7.8		850.2		+52	-16	1091,372	311,345
617	363		7° 43'		8.8	92° 10'	-13.7	-22.5		835.5		+360	+46	1091,680	311,407
618	692	691.5	7° 40' 26"		2.0	92° 10'	-26.2	-28.2		829.8	TP	+686	+86	1092,006	311,447
618	692				14.0	91° 10'	-14.1	-28.1			TP				
	614		184° 22' 49"		+ 5.6	89° 20'	-7.1	-1.5	828.3		BS	+613	+42		
	614				+ 5.6	270° 40'	-7.1	-1.5			BS				

VEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
4-19-84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		57		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		
GEORGIA				GEORGIA		MERIWETHER						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.	
									828.3					
619	280		186° 20'	-0.5°	6.8	89° 20'	+3.3	-3.5		824.8		-279	-28	1092340 311461
TP	0				5.2	-		-5.2		823.1	TP	0	0	1092629 311489
620	50		6° 20'	--	6.2	89° 20'	+0.6	-5.6		822.7		+50	+5	1092629 311494
621	354		337° 04'	--	12.1	91° 50'	-11.3	-23.4		804.9		+325	-141	1092944 311348
622	680		334° 53'	--	5.3	91° 40'	-19.8	-25.1		803.2		+613	-294	1093232 311195
TP	836	835.7	333° 14' 46"	--	6.1	91° 30'	-21.9	-28.0		800.3	TP	+743	-383	1093362 311106
TP	836			--	6.0	268° 30'	-21.9	-27.9			TP			
	1517		174° 48' 03"	-0.5+	7.8	90° 36'	+15.9	+23.7			BS	+1509	-151	
	1517			+	7.7	269° 24'	+15.9	+23.6	823.9		BS			
623	1426		180° 19'	--	8.0	90° 50'	-20.7	-28.7		795.2		-1426	+5	1093445 310960
624	1396		193° 43'	--	9.7	91° -	-24.4	-34.1		789.8		-1359	-319	1093512 310636
JC	1170		201° 27' 04"	--	8.6	91° 50'	-37.4	-46.0		777.9	JC	-1092	-418	1093779 310537
625	1144		201° 24'	-0.5	8.8	91° 50'	-36.6	-45.4		778.5		-1069	-408	1093802 310547
626	815		202° 33'	--	11.6	91° 50'	-26.1	-37.7		786.2		-755	-306	1094116 310649
627	489		206° 25'	--	11.8	92° -	-17.1	-28.9		795.0		-440	-214	1094431 310741
628	164		207° 56'	--	10.5	92° -	-5.7	-16.2		807.7		-146	-76	1094725 310879
TP	0				5.2	-		-5.2		818.7	TP	0	0	1094871 310955
-11	38		1° 21' 25"	-0.5	5.8	89° 20'	+0.4	-5.4		818.5	-11	+38	+1	1094909 310956
629	166		14° 42'	--	7.8	89° 20'	+1.9	-5.9		818.0		+161	+41	1095032 310996

y-1094895 x-310970  
fence line El. 819.0

VEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.19.84		B. Cotcamp		R. TROWBRIDGE		6834		R.T.		15		58			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia				G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									823.9						
630	497		14° 29'	-0.5°	5.1	89° 10'	+7.2	+2.1		826.0		+482	+120	1095353	311,075
TP	615		12° 31' 40"	-	2.9	89° 10'	+8.9	+6.0*		829.9	TP	+601	+128	1095472	311,083
TP	615			-	2.8	270° 50'	+8.9	+6.1			TP				
	763		182° 27' 35"	-	+9.7	91° -	+13.3	+23.0		852.9	BS	+762	+26		
	763			-	+9.7	269° -	+13.3	+23.0			BS				
631	552		183° 50'	-	7.0	91° 04'	-10.3	-17.3		825.6		-551	-32	1095683	311,077
632	226		192° 06'	-	6.8	91° -	-3.3	-10.1		842.8		-221	-45	1096013	311,064
π	0			-	5.2	-	-	-5.2		847.7	π	0	0	1096234	311,109
633	104		10° 05'	-0.5°	5.4	90° 20'	-0.6	-6.0		846.9		+103	+17	1096337	311,126
634	433		8° 10'	-	7.4	90° 20'	-2.5	-9.9		843.0		+429	+58	1096663	311,167
TP	635		7° 05' 29"	-	8.4	-	-	-8.4*		844.5	TP	+631	+73	1096865	311,182
TP	635			-	11.6	74° -	+3.2	-8.4			TP				
	659	658.6	174° 12' 27"	-0.5°	4.2	92° -	+23.0	+27.2*			BS	+655	-72		
	659			-	4.1	268° -	+23.0	+27.1		871.7	BS				
635	530		174° 35'	-	8.1	91° 50'	-16.9	-25.0		846.7		-527	+55	1096993	311,165
636	202		174° 08'	-	7.6	91° 50'	-6.5	-14.1		857.6		-201	+22	1097319	311,132
π	0			-	5.2	-	-	-5.2		866.5	π	0	0	1097520	311,110
637	128		3° 00'	-	6.3	88° 40'	+3.0	-3.3		868.4		+128	+6	1097648	311,116
638	458		" "	-	7.8	88° 40'	+10.7	+2.9		874.6		+458	+20	1097978	311,130
π	531		2° 23' 54"	-	7.8	88° 40'	+12.4	+4.6		876.3	π	+531	+18	1098051	311,128

T-ROAD west

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 4.19.84	INSTRUMENT MAN B. Cotramp	ROD MAN R. TROWBRIDGE	PARTY NUMBER 6834	NOTE CHECKED BY R.T.	LINE NO. 15	PAGE 59
AREA GEORGIA	TOPO MAP	STATE G.A.	COUNTY MERIWETHER	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.	
									871.7					
639	787		4° 04'	-0.5°	5.6	88° 46'	+18.3	+12.7		884.4		+785	+49	1,098,305 311,159
TP	993	992.7	1° 54' 30"	--	11.5	88° 30'	+26.0	+14.5		886.3	TP	+992	+24	1,098,512 311,134
TP	993				11.4	271° 30'	+26.0	+14.6x			TP			
	919		209° 40' 38"	-0.5°	10.2	-		+10.2x			BS	+802	+448	
	919				+10.1	270°		+10.1		896.5	BS			
640	837		215° 25'	--	7.9	-		-7.9		888.6		-686	-479	1,098,628 311,103
641	566		228° 31'	--	8.6	TH	+2.8	-5.8		890.7		-379	-421	1,098,935 311,161
642	242		237° 55'	--	5.4	TH	+1.2	-4.2		892.3		-130	-204	1,099,184 311,378
#	72		337° 17' 10"	--	0.3	TH	+0.4	+0.1		896.6	#	+66	-28	1,099,380 311,554
∑	0				5.2	-		-5.2		891.3	∑	0	0	1,099,314 311,582
643	61		153° 40'	-0.5°	7.9	-		-7.9		888.6		-54	+28	1,099,260 311,610
644	386		142° 12'	--	6.0	91° 30'	-10.1	-16.1		880.4		-303	+239	1,099,011 311,821
TP	588		124° 46' 41"	--	7.8	91° 30'	-15.4	-23.2		873.4	TP	-331	+486	1,098,983 312,068
TP	588				7.7	268° 30'	-15.4	-23.1x			TP			
	778	-777.4	261° 23' 06"	--	3.7	87° 40'	-31.7	-28.0x		845.4	BS	+123	+768	
	778				+3.7	272° 20'	-31.7	-28.0			BS			
645	717		261° 40'	--	6.2	87° 30'	+31.2	+25.0		870.4		-110	-709	1,098,996 312,127
646	387		262° 01'	--	7.8	87° 30'	+16.9	+9.1		854.5		-57	-383	1,099,049 312,453
647	57		258° 50'	--	8.3	-		-8.3		837.1	#	-12	-56	1,099,094 312,780
∑	0				5.2	-		-5.2		840.2	∑	0	0	1,099,106 312,836

y = 1,099,390x - 311,595  
y = Inter. E.L. 898.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
4-19-84		B. Cotcamp		R. Trowbridge		6834		C. J. R.T.		15	60			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
GEO 9,1A				G.A.		MERIWETHER					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING 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.	
									845.4					
648	266		35° 40'	-0.5°	5.9	87° 30'	+11.6	+5.7		851.1		+217	+153	1,099,323 312,989
649	596	595.6	34° 48' 55"	--	5.5	88° -	+20.8	+15.3		860.8	TP	+492	+336	1,099,598 313,172
649	596				5.4	272° -	+20.8	+15.4 <sup>x</sup>			TP			
	1291		215° 06' 03"	--	+13.1	91° -	+22.5	+35.6 <sup>x</sup>		896.4	BS	+1063	+733	
	1291				+13.0	269° -	+22.5	+35.5			BS			
650	968		211° 50'	--	8.7	91° -	-16.9	-25.6		870.8		-827	-503	1,099,834 313,402
651	654		204° 48'	--	11.8	91° -	-11.4	-23.2		873.2		-596	-269	1,100,065 313,636
W	535		201° 28' 35"	--	10.3	91° -	-9.3	-19.6		876.8	W	-499	-191	1,100,162 313,714
652	330		200° 26'	--	9.6	91° 40'	-9.6	-19.2		877.2		-310	-113	1,100,351 313,792
653	0				5.2	-		-5.2		891.2	π	0	0	1,100,661 313,905
654	329		28° 19'	-0.5°	7.0	-		-7.0		889.4		+291	+154	1,100,952 314,059
TP	486		21° 30' 54"	--	7.3	TH	+2.4	-4.9		891.6	TP	+454	+174	1,101,115 314,079
TP	486				7.2	TH 270°	+2.4	-4.8 <sup>x</sup>			TP			
	619	618.6	180° 12' 40"	--	+2.1	92° -	+21.6	+23.7 <sup>x</sup>			BS	+619	-3	
	619				+2.0	268° -	+21.6	+23.6 <sup>x</sup>		915.2	BS			
655	453		179° 46'	--	9.1	91° 10'	-9.2	-18.3		896.9		-453	+6	1,101,282 314,082
656	123		176° 15'	--	7.2	-		-7.2		908.0		-123	+9	1,101,611 314,085
π	0				5.2	-		-5.2		910.0	π	0	0	1,101,734 314,076
657	207		356° 40'	--	10.1	-		-10.1		905.1		+207	-14	1,101,941 314,062
658	537		" "	--	12.3	91° -	-9.4	-21.7		893.5		+536	-36	1,102,270 314,040

W - 1,100,180 x - 313,75  
y - note

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4.19.84		B. Cotoamp		R. TROWBRIDGE		6834		R.T. C.Y.		15		61			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia				G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									915.2						
659	867		356° 40'	-0.5°	10.8	90° 10'	-17.7	-28.5		886.7		+865	-58	1,102,599	314,018
TP	1043		355° 51' 54"	-	6.5	89° 50'	+3.0	-3.5		911.7	TP	+1040	-84	1,102,715	313,992
TP	1043				6.5	270° 10'	+3.0	-3.5			TP	(+)			
	4574		265° 28' 30"	-	12.8	90° 32'	+42.6	+55.4	966.9		BS	+401	+4556		
	4574				12.5	269° 28'	+42.6	+55.1	+55.2		BS	(+)			
X	0				5.2	-		-5.2			X	0	0	1,103,777	318,548
TP	1279		88° 49' 36"	-0.5°	12.2	-		-12.2		954.7	TP	+37	+1278	1,103,215	319,825
TP	1279				12.1	270° -		-12.1			TP	(+)			
	373		17° 45' 52"	-	9.7	-		+9.7	964.4		BS	-356	-111		
	373				11.6	TH	-1.9	+9.7			BS	(+)			
X	0				5.2	-		-5.2			X	0	0	1,102,860	319,713
Bm	759	758.8	266° 34' 48"	-	6.2	88° 34'	+19.0	+12.8	977.2		A	-52	-757	1,102,809	318,955
Bm	759				6.1	271° 26'	+19.0	+12.9			A	(+)			

U.S.G.S. 1941  
T-Inter. x. 314,015

U.S.G.S. 1941  
Greenville Bm Δ  
x. 318,955  
e. 977.2

URVEY NOTES-HIGH RESOLUTION DATA

JEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
4-30-84		B. Cotcamp		R. Trowbridge		6834		R.T.		20 15		62				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Ocoosa Dale		Georgia		Meriwether								L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
										911.7				1102.775	313.992	
	177		127° 18' 28"	-0.5°	5.2	91°	+3.1	+8.3			BS	+106	-142			
	177				5.3	269°	+3.1	+8.4	920.1		BS					
TP	123		166° 21' 54"	"	6.2	91°	-2.1	-8.3		911.8	TP	-119	+30	1,102,762	313,880	4-1,102,780 X-313,700 TP T-INT. EL. 912.0
660	55		161° 40'	"	7.2	89° 20'	+0.6	-6.6		913.5		-52	+18	1,102,829	313,818	
TP	0				5.2	-		-5.2		914.9	TP	0	0	1,102,881	313,850	
661	275		346° 12'	"	5.0	87° 40'	+11.2	+6.2		926.3		+266	-68	1,103,147	313,782	
TP	484		346° 07' 26"	"	6.0	88° 10'	+15.5	+9.5		929.7	TP	+469	-120	1,103,350	313,730	
TP	484				5.9	271° 50'	+15.5	+9.6			TP					
TP BS	445		154° 44' 34"	-0.5°	3.5	-		+3.5	933.2		BS	+401	-193			
BS	445				3.4	270°		+3.4			BS					
662	330		153° 00'	"	5.6	TH	+1.7	-3.9		929.3		-293	+152	1,103,458	313,689	
663	0				5.2	-		-5.2		928.0	TP	0	0	1,103,751	313,537	
664	330		351° 00'	"	7.0	-		-7.0		926.2		+325	-54	1,104,076	313,483	
665	659		350° 45'	"	4.7	TH	+3.3	-1.4		931.8		+649	-112	1,104,400	313,425	
TP	764		349° 08' 59"	"	6.0	89° 30'	+6.7	+0.7		934.0	TP	+749	-150	1,104,500	313,387	
TP	764				5.8	270° 30'	+6.7	+0.9	+0.8		TP					
	886		155° 03' 20"	-0.5°	9.4	TH	-4.4	+5.0	938.9		BS	+800	-381			
	886				9.2	TH	-4.4	+4.8	+4.9		BS					
666	660		155° 00'	"	9.7	89° 10'	+9.6	-0.1		938.8		-596	+284	1,104,704	313,290	
667	330		"	"	6.0	89° 10'	+4.8	-1.2		937.7		-298	+142	1,105,002	313,148	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
4.30.84		B. Cotcamp		R. Trowbridge		6834		R.T. <i>RD</i>		15	63						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
Georgia		DESSADALE - 7 1/2'	G.A.	MERIWETHER					L.O. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									938.9								
668	0				5.2	90°		-5.2		933.7	π	0	0	1,105,300	313,006	opp. side of flag	
669	333		10° 20'	-0.5	5.8	89° 20'	+3.9	-1.9		937.0		+328	+57	1,105,628	313,063		
670	663		" "	" "	10.5	89° 20'	+7.7	-2.8		936.1		+653	+113	1,105,953	313,119		
671	993		" "	" "	10.6	89° 30'	+8.7	-1.9		937.0		+978	+170	1,106,278	313,176		
TP	1196		9° 50' 35"	" "	4.7	89° 44'	+5.6	+0.9		940.0	TP	+1180	+194	1,106,480	313,200		
TP	1196				4.4	270° 16'	+5.6	+1.2	+1.1		TP						
	466		182° 33' 40"	-0.5	13.2	89° 20'	-5.4	+7.8*		947.8	BS	+466	+17				
	466				13.1	270° 40'	-5.4	+7.7			BS						
672	343		186° 37'	" "	8.3	89° 20'	+4.0	-4.3		943.5		-341	-37	1,106,605	313,180		
673	107		258° 16'	" "	7.3	89° 20'	+1.2	-6.1		941.7		-23	-105	1,106,923	313,112		
#1	117		278° 05' 35"	" "	8.0	89° 10'	+1.7	-6.3		941.5	#1	+15	-116	1,106,961	313,101	#1 - 1,106,955 x - 313,145 #1 T-inter.	
π	0				5.2	-		-5.2		942.6	π	0	0	1,106,946	313,217		
674	199		92° 00'	-0.5	6.3	90° 30'	-1.7	-8.0		939.8		-5	+199	1,106,941	313,416		
675	529		" "	" "	8.7	91° 40'	-15.4	-24.1		923.7		-14	+529	1,106,932	313,746		
676	859		" "	" "	12.0	91° 48'	-27.0	-39.0		908.8		-22	+859	1,106,924	314,076		
TP	1032		90° 36' 23"	" "	9.8	91° 50'	-33.0	-42.8		905.2	TP	-2	+1031	1,106,944	314,248		
TP	1032				9.5	268° 10'	-33.0	-42.5	+42.6		TP						
π	1086		272° 41' 55"	" "	4.3	90° 30'	-9.5	-13.8		934.0	π						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
5.1.84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		64			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ODESSDALE - 7 1/2'		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE 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
									9150	905.2					
	461		154° 03' 15"	-0.5°	7.5	BH	+2.3	+9.8	9150		BS	+413	-205		2' 1.46'
	461				+9.8	-		+9.8		BS					
677	344		153° 26'	--	6.6	91°	-6.0	-12.6		902.4		-306	+157	1,107,051	314,200
678	17		133° 20'	--	5.2	91°	-0.3	-5.5		909.5		-12	+12	1,107,345	314,055
π	0				5.2	-		-5.2		909.8	π	0	0	1,107,357	314,043
679	324		5° 34'	-0.5°	8.9	89° 10'	+4.7	-4.2		910.8		+323	+29	1,107,680	314,072
TP	421		3° 38' 14"	--	9.9	89° 10'	+6.2	-3.7		911.4	TP	+426	+23	1,107,783	314,066
TP	427				8.6	89° 20'	+5.0	-3.6			TP				
	364		181° 25' 00"	--	0.6	-		+0.6	912.0		BS	+364	+6		
	364				2.4	TH	-1.8	+0.6		BS					
680	140		178° 40'	--	7.1	88° 20'	+4.1	-3.0		909.0		-140	+4	1,108,007	314,076
π	0				5.2	-		-5.2		906.8	π	0	0	1,108,147	314,072
681	191		29° 44'	--	6.8	89° 40'	+1.1	-5.7		906.3		+167	+93	1,108,314	314,165
TP	313		28° 33' 16"	--	4.2	91°	-5.5	-9.7		902.4	TP	+276	+147	1,108,423	314,219
TP	313				3.2	91° 10'	-6.4	-9.6			TP				
	321		205° 15' 09"	-0.5°	3.0	89°	-5.6	-2.6	899.8		BS	+291	+134		
	321				3.9	88° 50'	-6.5	-2.6		BS					
682	114		206° 30'	--	6.5	87° 40'	+4.6	-1.9		897.9		-102	-50	1,108,612	314,363
π	0				5.2	-		-5.2		894.6	π	0	0	1,108,714	314,353
683	216		28° 50'	--	5.4	91° 20'	-5.0	-10.4		889.4		+190	+103	1,108,904	314,456

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
5.1.84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		65			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ODESSA DALE - 7 1/2'		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									899.8						
TP	290		26° 07' 01"	-0.5	4.3	91° 20'	-6.7	-11.0		888.8	TP	+261	+125	1,108,975	314,478
TP	290				5.1	91° 10'	-5.9	-11.0			TP				
	749		189° 56' 30"	..	+6.5	88° 20'	-21.8	-15.3*		873.5	BS	+739	+123		
	749				+6.4	271° 40'	-21.8	-15.4			BS				
684	494		189° 16'	..	7.7	87° 40'	+20.1	+12.4		885.9		-488	-75	1,109,226	314,526
685	164		190° 04'	..	7.3	86° 30'	+10.0	+2.7		876.2		-162	-27	1,109,552	314,574
X	0				5.2	-	-	-5.2		868.3	X	0	0	1,109,714	314,601
686	165		26° 38'	-0.5	7.8	91° 30'	-4.3	-12.1		861.4		+148	+73	1,109,862	314,674
687	491		24° 00'	..	7.0	91° 36'	-13.7	-20.7		852.8		+450	+196	1,110,164	314,797
TP	750		20° 31' 40"	..	10.3	91° 30'	-19.6	-29.9		843.7	TP	+704	+258	1,110,418	314,859
TP	750				10.2	268° 30'	-19.6	-29.8*			TP				
	183		210° 11' 17"	..	+0.2	-	-	+0.2		843.9	BS	+159	+91		
	183				1.1	TH	-0.9	+0.2			BS				
688	112		207° 30'	-0.5	6.4	88° -	+3.9	-2.5		841.4		-100	-51	1,110,477	314,899
X	0				5.2	-	-	-5.2		838.7	X	0	0	1,110,577	314,950
689	217		48° 16'	..	6.9	91° 40'	-6.3	-13.2		830.7		+146	+161	1,110,723	315,111
TP	483		44° 40' 30"	..	6.7	91° 30'	-12.6	-19.3		824.7	TP	+346	+336	1,110,923	315,286
TP	483				6.6	268° 30'	-12.6	-19.2*			TP				

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
S. 2.84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		6			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		ODESSDALE - 7 1/2		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
										824.7					
	719		190° 59' 23"	-0.5	4.1	91° 50'	+23.0	+27.1	851.8		BS	+707	+131		
	719				+4.0	268° 10'	+23.0	+27.0			BS				
690	655		190° 33'	- "	4.9	92° -	-22.8	-27.7		824.1		-645	-114	1,110,985	315,303
#	448		187° 49' 34"	- "	14.7	92° -	-15.6	-30.3		821.5	#	-444	-57	1,111,186	315,360 # creek crossing
691	329		189° 30'	- "	12.5	92° 30'	-14.3	-26.8		825.0		-325	-51	1,111,305	315,366
692	0				5.2	-		-5.2		846.6	π	0	0	1,111,630	315,417
693	330		11° 40'	-0.5	7.8	88° 20'	+9.6	+1.8		853.6		+324	+64	1,111,954	315,481
694	658		12° 35'	- "	9.2	88° 20'	+19.1	+9.9		861.7		+643	+138	1,112,273	315,555
695	988		15° 15'	- "	10.3	88° 10'	+31.6	+21.3		873.1		+955	+252	1,112,585	315,669
TP	1255		17° 20' 17"	- "	13.7	88° 20'	+36.5	+22.8		874.7	TP	+1201	+363	1,112,831	315,780
TP	1255				13.6	271° 40'	+36.5	+22.9		↓	TP				
	1108		206° 14' 53"	-0.5	6.8	87° 30'	-48.3	-41.5	833.1		BS	+997	+481		
	1108				+6.7	272° 30'	-48.3	-41.6	↓		BS				
696	1047		205° 59'	- "	5.2	87° 30'	+45.6	+40.4		873.5		-945	-450	1,112,883	315,811
697	717		205° 33'	- "	5.0	87° 30'	+31.2	+26.2		859.3		-650	-304	1,113,178	315,957
698	387		" "	- "	6.8	87° 36'	+16.9	+10.1		843.2		-351	-164	1,113,477	316,097
#	77		204° 27'	- "	7.2	90° 10'	-0.2	-7.4		825.7	#	-70	-31	1,113,758	316,230 # creek
699	866 57		198° 50'	- "	6.4	90° 10'	-0.2	-6.6		826.5		-54	-18	1,113,774	316,243
π	0				5.2	-		-5.2		827.9	π	0	0	1,113,828	316,261
700	271		358° 52'	- "	6.5	88° 30'	+7.1	+0.6		833.7		+271	-8	1,114,099	316,253

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
5.2.84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		67			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		ODESSADALE - 7 1/2'		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									833.1						
701	599		359° 25'	-0.5°	6.2	88° 10'	+19.2	+13.0		846.1		+599	-11	1,114,427	316,250
TP	797		358° 55' 04"	"	3.0	88°	+27.8	+24.8		857.9	TP	+796	-22	1,114,624	316,239
TP	797				2.9	272°	+27.8	+24.9			TP				
	358		188° 01' 47"	"	+11.8	90° 40'	+4.2	+16.0	873.8		BS	+355	+47		
	358				+11.7	269° 20'	+4.2	+15.9			BS				
702	225		187° 36'	-0.5°	7.9	-		-7.9		865.9		-223	-28	1,114,756	316,258
X	0				5.2	-		-5.2		868.6	X	0	0	1,114,979	316,286
703	104		5° 07'	"	7.0	88° 20'	+3.0	-4.0		869.8		+104	+8	1,115,083	316,294
704	434		3° 23'	"	9.8	88° 20'	+12.6	+2.8		876.6		+433	+22	1,115,412	316,308
705	764		3° 14'	"	6.1	88° 40'	+17.8	+11.7		885.5		+763	+36	1,115,742	316,322
TP	1033		2° 53' 23"	"	6.7	88° 40'	+24.0	+17.3		891.1	TP	+1032	+43	1,116,011	316,329
TP	1033				6.6	271° 20'	+24.0	+17.4			TP				
	1695		146° 20' 54"	-0.5°	9.5	BH	+8.5	+18.0	908.9		BS	+1403	-952		
	1695				+9.2	BH 270°	+8.5	+17.7			BS				
Bm	1736		146° 27' 22"	"	8.5	90° 20'	-10.1	-18.6		890.3	Bm	-1438	+972	1,115,976	316,349
706	1650		145° 12'	"	8.3	90° 20'	-9.6	-17.9		891.0		-1347	+953	1,116,067	316,330
707	1320		145° 12'	"	9.1	90° 20'	-7.7	-16.8		892.1		-1077	+763	1,116,337	316,440
708	990		"	"	9.6	90° 20'	-5.8	-15.4		893.5		-808	+572	1,116,606	315,949
709	660		"	"	6.9	90° 20'	-3.8	-10.7		898.2		-539	+381	1,116,875	315,758
710	330		"	"	5.3	90° 20'	-1.9	-7.2		901.7		-269	+191	1,117,145	315,518

9-1,115,925 x - 316,350  
u.s.g.s. Bm EL. 890.5

TRAVEL NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NO. CHECKED BY		LINE NO.		PAGE			
5.2.84		B. Cotcamp		R. TROWBRIDGE		6834		B.C.		15		68			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ODESSADALE - 7 1/2		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE 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
									908.9						
711	0				5.2	-		-5.2		903.7	TP	0	0	1,117,414	315,377
712	330		331° 30'	-0.5°	6.6	88° 50'	+6.7	+0.1		909.0		+289	-160	1,117,703	315,217
713	660		" "	" "	8.4	88° 50'	+13.4	+5.0		913.9		+577	-320	1,117,991	315,057
714	990		" "	" "	10.7	88° 50'	+20.2	+9.5		918.4		+866	-480	1,118,280	314,897
715	1320		" "	" "	11.8	88° 50'	+26.9	+15.1		924.0		+1155	-640	1,118,569	314,737
716	1650		" "	" "	10.0	88° 50'	+33.6	+23.6		932.5		+1443	-800	1,118,857	314,577
717	1741		330° 46' 25"	" "	11.3	88° 50'	+35.4	+24.1		933.0	TP	+1512	-863	1,118,926	314,514
717	1981		330° 49' 30"	" "	13.7	89° -	+34.6	+20.9	} 912.5	929.9	TP	+1721	-981	1,119,135	314,396
717	1981		" "	" "	13.4	271° -	+34.6	+21.2				TP			
	2064		141° 13' 46"	-0.5°	12.8	89° 10'	-30.0	-17.2	} 912.5		BS	+1598	-1306		
	2064		" "	" "	12.4	270° 50'	-30.0	-17.6				BS			
718	1736		140° 43'	" "	9.0	89° 20'	+20.2	+11.2		923.7		-1334	+1111	1,119,399	314,201
719	1409 1406		140° 46'	" "	7.0	89° 10'	+20.5	+13.5		926.0		-1081	+899	1,119,652	313,989
720	1076		141° 18'	" "	6.8	89° 30'	+9.4	+2.6		915.1		-834	+680	1,119,899	313,770
721	748		140° 15'	" "	8.6	89° 50'	+2.2	-6.4		906.1		-571	+483	1,120,162	313,573
722	420		136° 50'	" "	9.7	89° 50'	+1.2	-8.5		904.0		-304	+290	1,120,429	313,380
723	105		111° 12'	" "	6.2	89° 50'	+0.3	-5.9		906.6		-37	+98	1,120,696	313,188
724	0				5.2	-		-5.2		907.3	TP	0	0	1,120,733	313,090
724	90		348° 15' 52"	-0.5°	4.3	89° 10'	+1.3	-3.0		909.5		+88	-19	1,120,821	313,071
724	264		15° 04'	" "	6.4	89° 30'	+2.3	-4.1		908.4		+256	+66	1,120,989	313,156

opp. side of road  
 1/4 - 1120,806 x - 313,070  
 1/4 - Intn.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 5.2.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY B.C.	LINE NO. 15	PAGE 69
AREA Georgia	TOPO MAP ODESSADALE-7 1/2	STATE G.A.	COUNTY. MERIWETHER	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				
									912.5										
725	594		15 34 36	-0.5	10.9	89 30	+5.2	-5.7x	}	906.8	TP	+574	+155	1,121,307	313,245				
725	594				10.8	270 30	+5.2	-5.6		TP									
	1653		186 05 32	--	+7.8	74	-8.3	-0.5	}	906.0	BS	+1645	+161						
	1653				+7.3	74 276	-8.3	-1.0		BS									
726	1322		186 00	--	5.7	89 50	+3.8	-1.9		904.1		-1316	-127	1,121,636	313,279				
727	992		" "	--	8.9	74	+5.0	-3.9		902.1		-987	-95	1,121,965	313,311				
728	662		" "	--	5.8	-	-	-5.8		900.2		-659	-63	1,122,293	313,343				
729	332		" "	--	7.7	-	-	-7.7		898.3		-330	-32	1,122,622	313,374				
730	0				5.2	-	-	-5.2		900.8	TP	0	0	1,122,952	313,406				
731	329		11 27	-0.5	5.9	89 10	+4.8	-1.1		904.9		+323	+62	1,123,275	313,468				
732	659		13 15	--	6.8	89 10	+9.6	+2.8		908.8		+643	+145	1,123,595	313,551				
1#	642		12 01 37	--	6.5	89 10	+9.3	+2.8		908.8		+629	+128	1,123,580	313,534			4-1,123,580 x=313,515 1# T-Inter.	
733	989		13 35	--	8.1	89 20	+11.5	+3.4		909.4		+963	+224	1,123,915	313,630				
734	1319		14 10 16	--	9.2	89 30	+11.5	+2.3	}	908.4	TP	+1282	+312	1,124,234	313,718				
734	1319				8.9	270 30	+11.5	+2.6		+2.43		TP							
	1310		188 03 56	-0.8	+10.2	-	-	+10.2	}	918.4	BS	+1299	+166						
	1310				+9.9	270 -	-	+9.9		+10.0		BS							
735	984		185 28	--	10.8	-	-	-10.8		907.6		-981	-80	1,124,552	313,804				
736	660		181 36	--	11.3	-	-	-11.3		907.1		-660	-9	1,124,873	313,825				
737	330		178 43	--	10.0	-	-	-10.0		908.4		-330	+12	1,125,203	313,846				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
5.2.84		B. Cotcamp		R. TROWBRIDGE		6834		B.C.		15		70			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DOESSADALE - 7 1/2'		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									918.4						
738	0				5.2	-		-5.2		913.2	π	0	0	1,125,533	313,884
739	330		358° 25'	-0.8°	5.2	88° 50'	+6.7	+1.5		919.9		+330	-14	1,125,863	313,870
740	661		358° 34' 12"	''	11.0	88° 50'	+13.5	+2.5		920.8	TP	+660	-26	1,126,193	313,858
740	661				9.2	89° -	+11.5	+2.3	+2.43		TP				
	1975		194° 29' 53"	--	+8.8	-		+8.8	+8.8	929.4	BS	+1919	+468		
	1975				+8.5	270° -		+8.5	+8.5		BS				
741	1649		196° 02'	--	9.8	90° 20'	-9.6	-19.4		910.0		-1591	-433	1,126,521	313,893
742	1320		- -	--	7.8	91° -	-23.0	-30.8		898.6		-1274	-347	1,126,838	313,979
743	990		- -	--	9.7	91° 20'	-23.0	-32.7		896.7		-955	-260	1,127,157	314,066
744	660		- -	--	9.1	91° 20'	-15.4	-24.5		904.9		-637	-173	1,127,475	314,153
745	330		- -	--	5.2	91° 26'	-7.7	-12.9		916.5		-318	-87	1,127,794	314,239
#1	16		275° 37' 47"	--	5.0	91° 20'	-0.4	-5.4		924.0		+1	-16	1,128,113	314,310
746A	0				5.2	-		-5.2		924.2	π	0	0	1,128,112	314,326
747	330		5° 10'	-0.8°	6.4	-		-6.4		923.0		+329	+25	1,128,441	314,351
748	658		0° 05'	''	7.7	-		-7.7		921.7		+658	-8	1,128,770	314,318
749	985		354° 00'	''	9.8	-		-9.8		919.6		+978	-117	1,129,090	314,209
TP	1174		350° 22' 14"	--	3.7	90° 20'	-6.8	-10.5		919.0	TP	+1155	-213	1,129,267	314,113
TP	1174				3.5	269° 40'	-6.8	-10.3	+10.43		TP				
	780		148° 13' 42"	--	+7.8	-		+7.8	+7.8	926.7	BS	+657	-420		
	780				+7.6	270° -		+7.6	+7.6		BS				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 5.2.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. TROWBRIDGE	PARTY NUMBER 6834	NO. CHECKED BY B.C.	LINE NO. 15	PAGE 71
AREA GEORGIA	TOPO MAP ODESSADALE - 7 1/2'	STATE GA.	COUNTY MERIWETHER	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			
									926.7									
750	660		148° 26'	-0.8°	7.8	-		-7.8		918.9		-557	+353	1,129,367	314,046			
751	336		" "	" "	5.9	-		-5.9		920.8		-279	+177	1,129,645	313,870			
752	0				5.2	-		-5.2		921.5	TP	0	0	1,129,924	313,693			
753	330		319° 10'	" "	8.0	91°	-5.8	-13.8		912.9		+247	-219	1,130,171	313,474			
754	655		312° 31'	" "	12.6	91°	-11.4	-24.0		902.7		+436	-489	1,130,360	313,204			
755	980		308° 42'	" "	11.1	91°	-17.1	-28.2		898.5		+602	-773	1,130,526	312,920			
756	1307		306° 28'	" "	5.0	91°	-22.8	-27.8		898.9		+762	-1062	1,130,686	312,631			
757	1635		305° 18'	-0.8°	5.0	90° 30'	-14.3	-19.3		907.4		+926	-1347	1,130,850	312,346			
758	1964		305° 36'	" "	9.1	90° 10'	-5.7	-14.8		911.9		+1121	-1613	1,131,045	312,080			
TP	2123		305° 41' 33"	" "	9.9	90° 10'	-6.2	-16.1		910.7	TP	+1214	-1741	1,131,138	311,952			
TP	2123				9.6	269° 50'	-6.2	-15.8	160		TP							
	835		143° 25' 54"	" "	3.8	-		+3.8	914.4		BS	+664	-507					
	835				3.6	270°		+3.6	160		BS							
759	660		142° 45'	-0.8°	6.7	-		-6.7		907.7		-520	+407	1,131,282	311,852			
760	330		" "	" "	8.3	-		-8.3		906.1		-260	+203	1,131,542	311,648			
761	0				5.2	-		-5.2		909.2	TP	0	0	1,131,802	311,445			
762	330		328° 00'	" "	6.2	TH	+1.7	-4.5		909.9		+277	-179	1,132,079	311,266			
763	659		330° 40'	" "	6.1	TH	+3.3	-2.8		911.6		+570	-331	1,132,372	311,114			
764	989		331° 21'	" "	6.9	89° 10'	+14.4	+7.5		921.9		+861	-486	1,132,663	310,959			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
5.2.84		B. Cotcamp		R. TROWBRIDGE		6834		B.C.		15		72			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DOESSADALE - 7 1/2'		GEORGIA		MERIWETHER								L. O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									914.4						
765	1320		331° 01' 02"	-0.8°	10.3	89° 20'	+15.4	+5.1		919.6	TP	+1146	-656	1,132,948	310,789
765	1320				10.1	270° 40'	+15.4	+5.3	+5.2		TP				
	1622		129° 15' 33"	"	10.1	89° 30'	-14.2	-4.1		915.3	BS	+1009	-1270		
	1622				9.8	270° 30'	-14.2	-4.4	-4.3		BS				
766	1303		126° 08'	"	5.0	89° 50'	+3.8	-1.2		914.1		-754	+1063	1,133,203	310,582
767	973		124° 48'	"	7.7	89° 40'	+5.7	-2.0		913.3		-544	+807	1,133,413	310,326
768	643		125° 47'	"	7.2	89° 40'	+3.7	-3.5		911.8		-369	+527	1,133,588	310,046
#	338		130° 02' 53"	"	5.4	89° 40'	+2.0	-3.4		911.9	#	-214	+262	1,133,743	309,781
769	314		128° 37'	"	6.0	89° 40'	+1.8	-4.2		911.1		-193	+248	1,133,764	309,767
X	0				5.2	-		-5.2		910.1	X	0	0	1,133,957	309,519
770	38		19° 53'	-0.8°	6.8	89° 40'	+0.2	-6.6		908.7		+36	+12	1,133,993	309,531
771	356		336° 55'	"	12.0	-		-12.0		903.3		+326	-144	1,134,283	309,325
772	686		338° 02'	"	12.3	BM	-3.4	-15.7		899.6		+633	-265	1,134,590	309,254
773	1016		338° 42'	"	10.1	-		-10.1		905.2		+941	-382	1,134,898	309,137
TP	1198		338° 09' 53"	"	6.0	-		-6.0		909.4	TP	+1106	-461	1,135,063	309,058
TP	1198				5.7	-		-5.7			TP				
	1147		179° 56' 23"	-0.8°	12.1	90° 30'	+10.0	+22.1		931.3	BS	+1147	-17		
	1147				11.8	269° 30'	+10.0	+21.8	+21.3		BS				
774	989		179° 10'	"	8.7	90° 30'	-8.6	-17.3		914.0		-989	+28	1,135,221	309,069
775	660		-	"	8.7	90° 30'	-5.8	-14.5		916.8		-660	+19	1,135,550	309,060

1,133,720 x - 309,790  
# 4 way.

opp. side of road

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 5-2-84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NO. CHECKED BY B.C.	LINE NO. 15	PAGE 53
AREA GEORGIA	TOPO MAP ODESSDALE-7 1/2'	STATE G.A.	COUNTY MERIWETHER	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	
									931.3							
776	330		179° 10'	-0.8°	8.2	90° 30'	-2.9	-11.1		920.2		-330	+9	1,135,880	309,050	
777	0				5.2	-		-5.2		926.1	π	0	0	1,136,210	309,041	
778	330		2° 50'	--	5.6	-		-5.6		925.7		+330	+12	1,136,540	309,053	
779	660		3° 42'	--	11.1	-		-11.1		920.2		+659	+33	1,136,869	309,074	
780	990		3° 27'	--	8.0	BH	-5.0	-13.0		918.3		+989	+46	1,137,199	309,087	ODESSDALE - 7 1/2' ↑
781	1318		1° 37' 05"	--	12.9	-		-12.9		918.6	TP	+1318	+19	1,137,528	309,060	GRANTVILLE - 7 1/2' ↓
	584		167° 58' 29"	-0.8°	12.1	-		+12.1		930.6	BS	+569	-130			
	584				+12.0	-		+12.0			BS					
782	256		164° 50'	--	6.7	89° -	+4.5	-2.2		928.4		-246	+70	1,137,851	309,000	
π	0				5.2	-		-5.2		925.4	π	0	0	1,138,097	308,930	
783	75		343° 20'	--	6.0	90° 40'	-0.9	-6.9		923.7		+72	-23	1,138,169	308,907	
784	405		338° 31'	--	12.4	90° 40'	-4.7	-17.1		913.5		+375	-154	1,138,472	308,776	
TP	677		332° 57' 17"	--	4.7	91° 30'	-17.7	-22.4		908.2	TP	+598	-316	1,138,695	308,614	
TP	677				4.6	268° 30'	-17.7	-22.3			TP					
	709		129° 58' 22"	-0.8°	12.6	BH	+3.5	+16.1		924.2	BS	+448	-550			
	709				12.4	BH	+3.5	+15.9			BS					
785	659		129° 11'	--	11.7	BH	-3.3	-15.0		909.2		-409	+517	1,138,734	308,581	
786	330		126° 30'	--	5.3	-		-5.3		918.9		-193	+268	1,138,750	308,332	
787	0				5.2	-		-5.2		919.0	π	0	0	1,139,143	308,064	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 5.2.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY B.C.	LINE NO. 15	PAGE 14
AREA Georgia	TOPO MAP Grantville - 7 1/2'	STATE Georgia	COUNTY MERIWETHER	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			
									924.2									
788	330		301 27	-0.8	10.0	90 50	-4.8	-14.8		909.4		+ 168	-284	1,139,311	307,780			
789	660		" "	" "	11.1	90 50	-9.6	-20.7		903.5		+ 336	-568	1,139,479	307,496			
790	816		300 38 15	" "	7.9	90 50	-11.9	-19.8		904.4	TP	+ 406	-708	1,139,549	307,356	1/2" - 1.139, 570 x - 307, 360	4 way int.	
790	990		301 27	" "	5.0	90 50	-14.4	-19.4		904.8		+ 505	-852	1,139,648	307,212			
791	1320		" "	" "	10.2	90 20	-7.7	-17.9		906.3		+ 673	-1136	1,139,816	306,928			
792	1649		302 01	" "	6.9	90 20	-9.6	-16.5		907.7		+ 855	-1410	1,139,998	306,654			
TP	1859		302 03 41	" "	6.5	90 20	-10.8	-17.3		907.0	TP	+ 965	-1589	1,140,108	306,475			
TP	1859				6.2	269 40	-10.8	-17.0	-17.3		TP							
	893		143 04 03	-0.8	4.7	87 40	-36.4	-31.7	875.2		BS	+ 706	-546					
	893				4.5	272 20	-36.4	-31.9	-31.8		BS							
793	768		142 10	" "	8.3	87 20	+35.7	+27.4		902.6		-600	+479	1,140,214	306,408			
794	438		144 48	" "	7.1	88 10	+14.0	+6.9		882.1		-354	+257	1,140,460	306,186			
795	110		139 25	" "	7.1	89 -	+1.9	-5.2		870.0		-83	+73	1,140,731	306,002			
π	0				5.2	-		-5.2		870.0	π	0	0	1,140,814	305,929	opp. side of road		
796	228		347 20	-0.8	6.0	-		-6.0		869.2		+222	-53	1,141,036	305,876			
797	558		" "	" "	7.7	-		-7.7		867.5		+543	-130	1,141,357	305,799			
TP	827		347 06 10	" "	11.5	90 40	-9.6	-21.1		854.2	TP	+803	-196	1,141,617	305,733			
TP	827				11.2	269 20	-9.6	-20.8	-21.0		TP							
	715		158 17 58	-0.8	1.6	87 -	-37.4	-35.8	818.3		BS	+660	-273					
	715				1.5	273 -	-37.4	-35.9			BS							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NO. CHECKED BY		LINE NO.		PAGE			
5.2.84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		75			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Grantville 7 1/2		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									818.3						
798	656		157° 00'	-0.8°	8.8	86° 30'	+40.0	+31.2		849.5		-600	+265	1,141,677	305,725
799	330		150° 10'	"	8.1	87° 20'	+15.3	+7.2		825.5		-284	+168	1,141,993	305,678
800	0				5.2	-		-5.2		813.1	TP	0	0	1,142,277	305,460
801	330		324° 25'	"	10.5	87° 20'	+15.3	+4.8		823.1		+266	-196	1,142,543	305,264
802	660		323° 28'	"	8.0	87° 50'	+24.9	+16.9		835.2		+525	-400	1,142,802	305,060
TP	918		320° 20' 05"	"	6.3	88° 10'	+29.4	+23.1		841.5	TP	+698	-595	1,142,975	304,865
TP	918				6.0	271° 50'	+29.4	+23.4	23.7		TP				
	830		119° 24' 26"	-0.8°	+7.9	88° 40'	-19.3	-11.4		830.0	BS	+397	-728		
	830				+7.8	271° 20'	-19.3	-11.5			BS				
803	762		119° 00'	"	7.8	88° 30'	+19.9	+12.1		842.1		-360	+672	1,143,012	304,809
804	433		117° 28'	"	7.1	88° 10'	+13.8	+6.7		836.7		-194	+387	1,143,178	304,524
HI	260		117° 44' 54"	"	5.5	88° 10'	+8.3	+2.8		832.8	HI	-118	+232	1,143,254	304,369
805	113		94° 07'	"	6.1	88° 10'	+3.6	-2.5		827.5		-7	+113	1,143,365	304,250
TP	0				5.2	-		-5.2		824.8	TP	0	0	1,143,372	304,137
806	261		339° 42'	-0.8°	11.2	89° 40'	+1.5	-9.7		820.3		+244	-94	1,143,616	304,043
807	589		338° 20'	"	8.2	89° 40'	+3.4	-4.8		825.2		+544	-225	1,143,916	303,912
TP	730		338° 24' 41"	"	4.7	89° 40'	+4.2	-0.5		829.6	TP	+675	-278	1,144,047	303,859
TP	730				4.5	270° 20'	+4.2	-0.3	-0.43		TP				

4-1,143,220 x - 304,32  
HI T-Enter.

OFF Line ACROSS ROY.

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
5.2.84		B. Cotcamp		R. TROWBRIDGE		6834		B.C.		15		76				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		Grantville 7 1/2		G.A.		MERIWETHER								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									829.6							
	852		175° 58' 19"	-0.8°	12.0	90° 40'	+9.9	+21.9	218.3		BS	+849	-72			
	852				+11.8	269° 20'	+9.9	+21.7	851.4		BS					
808	658		174° 00'	--	7.2	91° -	-11.5	-18.7		832.7		-653	+78	1,144,243	303,865	
809	330		171° 50'	--	8.3	90° 30'	-2.9	-11.2		840.2		-326	+51	1,144,570	303,838	
810	0				5.2	-		-5.2		846.2	A	0	0	1,144,896	303,787	
811	330		338° 20'	-0.8°	6.3	89° 40'	+1.9	-4.4		847.0		+305	-126	1,145,201	303,661	
812	660		335° 35'	--	7.3	90° 20'	-3.8	-11.1		840.3		+597	-281	1,145,493	303,506	
#1	775		334° 06' 04"	--	9.2	90° 20'	-4.5	-13.7		837.7	#1	+692	-348	1,145,588	303,439	#1 5-1,145,595 x-303,400 T-Inter.
813	989		334° 27'	--	9.9	90° 30'	-8.6	-18.5		832.9		+886	-439	1,145,782	303,348	
814	1318		334° 50'	--	12.0	90° 30'	-11.5	-23.5		827.9		+1185	-577	1,146,081	303,210	
815	1649		335° 50' 42"	--	11.6	90° 20'	-9.6	-21.2		830.3	TP	+1495	-696	1,146,391	303,091	ACROSS STA.
815	1649				11.3	269° 40'	-9.6	-20.9			TP					
	1313		161° 55' 35"	-0.8°	6.6	87° -	-68.6	-62.0	268.2		BS	+1241	-424			
	1313				+6.4	273° -	-68.6	-62.2			BS					
816	989		158° 50'	--	7.9	86° 50'	+54.6	+46.7		814.9		-917	+370	1,146,715	303,037	
817	660		157° 02'	--	7.7	87° 30'	+28.8	+21.1		789.3		-604	+266	1,147,028	302,933	
818	330		" "	--	8.5	89° -	+5.8	-2.7		765.5		-302	+133	1,147,330	302,800	
819	0				5.2	-		-5.2		763.0	π	0	0	1,147,632	302,667	
820	330		336° 50'	--	8.9	89° -	+5.8	-3.1		765.1		+302	-134	1,147,934	302,533	
821	660		" "	--	10.0	88° 10'	+21.1	+11.1		779.3		+603	-268	1,148,235	302,399	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
5.3.84		B. Cotcamp		R. TROWBRIDGE		6834		B.C.		15		77			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Grantville 7 1/2		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE 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
									768.2						
822	990		336 52	-0.8	4.8	88°	+34.5	+29.7		797.9		+905	-402	1,148,537	302,265
823	1320		" "	"	4.5	88°	+46.0	+41.5		809.7		+1207	-535	1,148,839	302,132
824	1650		" "	"	10.0	88°	+57.6	+47.6		815.8		+1508	-669	1,149,140	301,998
IF	1774		336 34 37	"	11.0	88°	+61.9	+50.9		819.1	IF	+1617	-727	1,149,249	301,940
825	1981		336 55 08	-1.0	13.7	88°	+69.1	+55.4		823.7	TP	+1807	-808	1,149,439	301,859
825	1981				13.4	272°	+69.1	+55.7	555		TP				
	621		158 55 54	"	6.6	91° 30'	+16.3	+22.9			BS	+575	-233		
	621				6.5	268° 30'	+16.3	+22.8	846.5		BS				
826	293		160 46	"	6.4	91° 30'	-7.7	-14.1		832.4		-275	+101	1,149,739	301,720
TP	0				5.2	-	-	-5.2		841.3	TP	0	0	1,150,014	301,626
827	38		348 17	-1.0	5.2	88° 30'	+1.0	-4.2		842.3		+37	-8	1,150,051	301,618
828	368		350 23	"	7.1	89° 30'	+3.2	-3.8		842.7		+362	-68	1,150,376	301,558
829	695		348 02 11	"	8.2	90° 10'	-2.0	-10.2			IF	+677	-156	1,150,691	301,470
829	695				8.1	269° 50'	-2.0	-10.1		836.3	TP				
	1586		163 27 41	-1.0	10.1	90° 40'	+18.4	+28.5	864.6		BS	+1512	-478		
	1586				9.7	269° 20'	+18.4	+28.1			BS				
830	1255		163 35	"	9.8	91°	-21.9	-31.7		832.9		-1197	+376	1,151,006	301,368
831	925		164 10	"	11.0	91° 10'	-18.8	-29.8		834.8		-885	+268	1,151,318	301,260
832	595		165° 20'	"	11.7	91° 20'	-13.8	-25.5		839.1		-573	+161	1,151,630	301,153
833	267		168° 20'	"	6.3	91° 20'	-6.2	-12.5		852.1		-261	+59	1,151,942	301,051

Y - 1,149,200  
X - 301,900

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 5.4.84	INSTRUMENT MAN B. Cotcamp	ROD MAN B. Trowbridge	PARTY NUMBER 6834	NO. CHECKED BY B.C.	LINE NO. 15	PAGE 178
AREA Georgia	TOPO MAP Grantville 7 1/2	STATE G.A.	COUNTY MER. WETHER	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
									864.6						
π	0				5.2	-		-5.2		859.4	π	0	0	1,152,203	300,992
834	73		26° 35'	-1.0	6.0	89° 20'	+0.8	-5.2		859.4		+66	+32	1,152,269	301,024
835	398		8° 37'	--	5.4	89° 20'	+4.6	-0.8		863.8		+394	+53	1,152,597	301,045
836	728		8° 45'	--	5.0	89° 20'	+8.5	+3.5		868.1		+721	+98	1,152,924	301,090
837	1058		9° 12'	--	6.8	89° 10'	+15.4	+8.6		873.2		+1047	+151	1,153,250	301,143
838	1388		9° 22' 00"	--	4.6	89° 10'	+20.2	+15.6		880.4	TP	+1373	+202	1,153,576	301,194
838	1388				4.3	270° 50'	+20.2	+15.9			TP				
	331		189° 57' 53"	-1.0	5.2	88° -	-11.5	-6.3	874.1		BS	+327	+52		
	331				4.3	88° 10'	-10.6	-6.3			BS		-3		
839	0				5.2	-		-5.2		868.9	π	0	0	1,153,903	301,243
840	330		18° 18'	--	7.9	91° 30'	-8.6	-16.5		857.6		+326	+53	1,154,229	301,296
4F	422		8° 22' 06"	--	6.9	91° 30'	-11.0	-17.9		856.2	4F	+418	+54	1,154,321	301,297
witness	466		5° 55' 18"	--	7.2	91° 20'	-10.8	-18.0		856.1		+464	+40	1,154,367	301,283
841	655		8° 35' 44"	-1.3	5.5	91° 10'	-13.3	-18.8		855.3	TP	+650	+83	1,154,553	301,323
841	655				7.4	91° -	-11.4	-18.8			TP		-3		
	830		170° 41' 05"	--	3.3	89° 40'	-4.8	-1.5			BS	+816	-153		
	830				3.1	270° 20'	-4.8	-1.7	853.7		BS		-3		
842	600		169° 14'	--	7.2	89° 30'	+4.4	-2.8		850.9		-489	+105	1,154,880	301,272
843	171		165° 14'	--	6.2	88° 40'	+9.0	-2.2		851.5		-164	+47	1,155,205	301,214
π	0				5.2	-		-5.2		848.5	π	0	0	1,155,369	301,167

4F-1,154,290  
4F-301,280

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
5.4.84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		79			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Grantville 7 1/2		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									853.7						
844	159		345° 10'	-1.3	7.3	89° 50'	+0.5	-6.8		846.9		+153	-44	1,155,522	301,123
845	489		" "	" "	6.0	89° 50'	+1.4	-4.6		849.1		+470	-136	1,155,839	301,031
846	818		345° 48' 41"	" "	3.4	89° 40'	+4.8	+1.4			TP	+788	-218	1,156,156	300,946
846	818		" "	" "	3.3	270° 20'	+4.8	+1.5		855.2	TP	-1	-3		
	988		171° 56' 41"	-1.3	3.8	-		+3.8	858.9		BS	+975	-161		
	988		" "		+3.6	270°		+3.6	+3.7		BS	-4	-3		
847	659		170° 01'	" "	7.7	89° 30'	+5.8	-1.9		857.0		-646	+129	1,156,481	300,911
848	330		167° 42'	" "	6.9	89° 30'	+2.9	-4.0		854.9		-321	+78	1,156,806	300,860
849	0		" "	" "	5.2	-		-5.2		853.7	X	0	0	1,157,127	300,782
850	330		341° 16'	" "	5.6	-		-5.6		853.3		+310	-113	1,157,437	300,669
851	660		" "	" "	5.9	-		-5.9		853.0		+620	-226	1,157,747	300,556
852	990		" "	" "	8.7	-		-8.7		850.2		+930	-339	1,158,057	300,443
853	1320		" "	" "	8.8	BM	-6.6	-15.4		843.5		+1240	-452	1,158,367	300,330
854	1650		" "	" "	11.9	90° 20'	-9.6	-21.5		837.4		+1550	-565	1,158,677	300,217
855	1980		340° 48'	" "	8.6	90° 20'	-11.5	-20.1		838.8		+1855	-693	1,158,982	300,089
TP	2122		340° 06' 12"	-1.6	6.5	90° 20'	-12.4	-18.9		840.2	TP	+1974	-778	1,159,097	300,001
TP	2122		" "	" "	6.2	269° 40'	-12.4	-18.6			TP	-4	-3		
	1220		149° 23' 17"	" "	+3.7	90° 40'	+14.2	+17.9	858.0		BS	+1032	-650		
	1220		" "	" "	+3.4	269° 20'	+14.2	+17.6			BS	-4	-3		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	5.4.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	BC	LINE NO.	15	PAGE	80
AREA	Georgia	TOPO MAP	GRANTVILLE - 7 1/2	STATE	G.A.	COUNTY	Meriwether	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	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									858.0										
856	1032		149° 20'	-1.6	10.8	90° 20'	-6.0	-16.8		841.2		-873	+551	1,159,252	299,899				
857	702		149° 30'	"	8.1	90° 20'	-4.1	-12.2		845.8		-595	+373	1,159,530	299,721				
858	372		" "	"	5.8	90° 20'	-2.2	-8.0		850.0		-315	+198	1,159,810	299,546				
859	55		116° 38'	"	5.0	90° 20'	-0.3	-5.3		852.7		-23	+50	1,160,102	299,358				
TP	0				5.2	-		-5.2		852.8	TP	0	0	1,160,125	299,348				
860	<del>297</del> 298		354° 30'	-1.6	7.3	90° 20'	-1.7	-9.0		849.0		+296	-37	1,160,421	299,311				
861	627		355° 25'	"	7.8	90° 40'	-7.3	-15.1		842.9		+623	-68	1,160,748	299,280				y = 1,160,550 x = 299,205
#	485		353° 31' 08"	"	10.5	90° 20'	-2.8	-13.3		844.7	#	+480	-68	1,160,605	299,280				# T. Inter.
862	957		356° 56'	"	4.6	90° 40'	-11.1	-15.7		842.5		+954	-78	1,161,079	299,270				
TP	1029		356° 36' 00"	"	4.3	90° 40'	-2.0	-16.3		841.9	TP	+1025	-90	1,161,146	299,255				
TP	1029				4.0	269° 20'	-2.0	-16.0			TP	-4	-3						
	1338		192° 28' 16"	-1.6	8.1	86° 30'	-8.5	-73.4			BS	+1312	+252						
	1338				7.8	213° 30'	-8.5	-73.7		768.4	BS	-4	-3						
863	<del>1003</del> 1075		191° 24' 00"	"	8.4	86° 20'	+68.6	+60.2		828.6		-1059	-183	1,161,395	299,321				
864	746		189° 16'	"	10.2	86° 20'	+42.6	+37.4		805.8		-739	-100	1,161,715	299,404				
865	417		187° 20'	"	10.1	86° 20'	+26.6	+16.5		784.9		-415	-42	1,162,039	299,462				
866	87		" "	"	7.2	86° 20'	+5.6	-1.6		766.8		-87	-9	1,162,367	299,495				
TP	0				5.2	-		-5.2		763.2	TP	0	0	1,162,454	299,504				
867	244		6° 47'	-1.6	7.7	89° 30'	+2.1	-5.6		762.8		+243	+22	1,162,697	299,526				
#	225		3° 25' 24"	"	7.7	89° 30'	+2.0	-5.7		762.7	#	+225	+7	1,162,679	299,511				# creek crossing

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	5.4.84	INSTRUMENT MAN	B. Cottramp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.	LINE NO.	15	PAGE	81
AREA	Georgia	TOPO MAP	GRANTVILLE - 7 1/2'	STATE	G.A.	COUNTY	MERIWETHER	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.	
									768.4					
868	574		6° 47'	-16	8.4	89° 30'	+5.0	-3.4		765.0		+572	+52	1,163,026 299,556
869	904		" "	" "	9.7	89° 30'	+7.9	-1.8		766.6		+900	+82	1,163,354 299,586
870	1234		" "	" "	10.7	89° 30'	+10.8	+0.1		768.5		+1229	+111	1,163,683 299,615
IF	1382		6° 19' 15"	" "	11.1	89° 30'	+12.1	+1.0		769.4	IF	+1377	+114	1,163,831 299,618
871	1564		6° 47'	" "	11.3	89° 30'	+13.7	+2.4		770.8		+1558	+141	1,164,012 299,645
872	1891		5° 43' 49"	-1.2	11.9	89° 30'	+16.5	+4.6		773.2	TP	+1885	+149	1,164,335 299,650
872	1891		" "	" "	11.6	270° 30'	+16.5	+4.9			TP	-4	-3	
	878		170° 48' 53"	" "	7.1	90° 30'	+7.7	+14.8			BS	+864	-158	
	878		" "	" "	6.8	269° 30'	+7.7	+14.5		787.9	BS	-4	-3	
873	548		171° 44'	" "	8.4	90° 30'	-4.8	-13.2		774.7		-541	+90	1,164,654 299,579
874	220		175° 40'	" "	8.0	90° 20'	-1.9	-9.9		778.0		-219	+21	1,164,976 299,510
K	0		" "	" "	5.2	-	-	-5.2		782.7	X	0	0	1,165,195 299,489
875	110		1° 15'	-1.2	7.1	86° 40'	+6.4	-0.7		787.2		+110	±0	1,165,305 299,489
876	440		3° 20'	" "	11.7	86° 40'	+25.5	+13.8		801.7		+440	+16	1,165,635 299,505
877	770		" "	" "	9.3	86° 50'	+42.5	+33.2		821.1		+769	+29	1,165,964 299,518
878	1100		" "	" "	9.8	87° -	+57.5	+47.7		835.6		+1099	+41	1,166,294 299,530
879	1430		3° 30'	" "	10.6	87° 20'	+16.5	+55.9		843.8		+1429	+57	1,166,624 299,546
TP	1489		2° 14' 55"	" "	11.2	87° 20'	+69.1	+57.9		846.0	TP	+1485	+27	1,166,676 299,514
TP	1489		" "	" "	10.9	272° 40'	+69.1	+58.2			TP	-4		

Y=1,163,800 X=277,600  
IF F INTER. EL.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
5.4.84		B. Catcamp		R. Trowbridge		6834		PT		20		15		82	
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		GRANTVILLE - 7 1/2		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
	1148		206 37 04	-1.2	6.4	91°	+20.0	+26.4			BS	+1037	+493		
	1148				+6.1	269°	+20.0	+26.1		872.3	BS	-4	-3		
880	865		206 20	--	9.1	90° 50'	-12.6	-21.7		850.6		-783	-367	1,166,926	299,639
881	535		206 00	--	7.1	90° 50'	-7.8	-14.9		859.4		-486	-224	1,167,223	299,782
882	206		202 20	--	7.0	-		-7.0		865.3		-192	-74	1,167,517	299,932
#	145		206 38 12	--	6.2	-		-6.2		866.1	#	-131	-62	1,167,578	299,714
Bm	45		131 00 26	--	1.1	87° 40'	+1.8	+0.7		873.0	Bm	-29	+35	1,167,680	300,041
π	0				5.2	-		-5.2		867.1	π	0	0	1,167,709	300,006
883	124		12° 00'	-1.2	6.0	-		-6.0		866.3		+122	+23	1,167,831	300,029
884	454		9° 34'	--	9.2	-		-9.2		863.1		+449	+66	1,168,158	300,072
885	784		7° 52'	--	6.9	89° 30'	+6.8	-0.1		872.2		+779	+91	1,168,488	300,097
886	1110		5° 33 15	-0.8	6.5	89° 30'	+9.7	+3.2		875.6	TP	+1106	+92	1,168,811	300,095
886	1110				6.2	270° 30'	+9.7	+3.5			TP	-4	-3		
	4279		164 29 58	--	10.3	89° 04'	-69.7	-59.4	815.7		BS	+4106	-1201		
	4279				9.3	270° 56'	-69.7	-60.4	-59.9		BS	-4	-3		
887	3952		163° 55'	--	6.2	89° 10'	+52.5	+51.3		867.0		-3782	+1148	1,169,131	300,039
888	3622		163° 30'	--	10.8	89° 10'	+52.7	+41.9		857.6		-3458	+1077	1,169,455	299,968
889	3293		163° 07'	--	7.0	89° 27'	+31.6	+24.6		840.3		-3137	+1000	1,169,776	299,891
890	2966		162° 30'	--	7.0	89° 54'	+5.2	-1.8		813.9		-2816	+931	1,170,097	299,822
891	2638		161° 47'	--	9.7	90° 30'	-23.0	-32.7		783.0		-2494	+860	1,170,419	299,751

1,167,515 x - 299,89  
 # 4 WAY  
 U.S.G.S. Bm  
 22 DOP 1962 @ 873.  
 5-1167,650 x - 300,000

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
5.4.84		B. Cotcamp		R. Trowbridge		6834		R.F.		15		83			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		GRANTVILLE-7 1/2'		G.A.		MERIWETHER								L.O. Davis	
STATION NO.	SLOPE 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 -	EAST + WEST -		Y
									815.7						
892	2309		160 48	-0.8	7.0	90 58	-39.0	-46.6		769.7		-2170	+790	1,170,743	299,681
893	1980		160 17	"	7.0	91 30	-51.8	-58.8		756.9		-1854	+694	1,171,059	299,585
894	1650		160 12	"	9.1	91 50	-52.8	-61.9		753.8		-1545	+581	1,171,368	299,472
7C	1568		160 37 21	"	11.7	91 50	-50.1	-61.8		753.9	TC	-1471	+541	1,171,442	299,432
895	1320		160 04	-0.8	12.4	92 0	-46.0	-58.4		757.3		-1235	+467	1,171,678	299,358
896	990		" "	"	6.8	92 0	-34.5	-41.3		774.4		-926	+350	1,171,987	299,241
897	660		" "	"	9.4	91 20	-15.4	-24.8		790.9		-617	+234	1,172,296	299,125
898	330		" "	"	6.9	91 20	-7.7	-14.6		801.1		-309	+117	1,172,604	299,008
899	0		" "	"	5.2	-		-5.2		810.5	T	0	0	1,172,913	298,891
900	330		333 30	-0.8	11.6	87 40	+13.4	+1.8		817.5		+293	-151	1,173,206	298,740
901	658		330 42	"	9.7	88 20	+19.1	+9.4		825.1		+569	-330	1,173,482	298,561
902	988		329 48	"	5.6	88 20	+28.7	+23.1		838.8		+847	-509	1,173,760	298,382
903	1318		329 15	"	7.7	88 10	+42.1	+34.4		850.1		+1123	-690	1,174,036	298,201
904	1647		328 49 42	"	10.8	88 10	+52.7	+41.9		857.7	TP	+1396	-872	1,174,305	298,016
904	1647		" "	"	10.5	271 50	+52.7	+42.2			TP	-4	-3		
	996		144 06 57	-0.8	1.8	90 54	+15.6	+17.4			BS	+794	-591		
	990		" "	"	+1.7	269 06	+15.6	+17.3	815.0		BS	-4	-3		
905	660		144 00	"	7.4	90 30	-5.8	-13.2		861.8		-528	+395	1,174,567	297,817
906	330		" "	"	8.1	90 30	-2.9	-11.0		864.0		-264	+198	1,174,831	297,620
907	0		" "	"	5.2	-		-5.2		869.8	T	0	0	1,175,095	297,422

1,171,400 x - 299,395  
BRIDGE

MERIWETHER CO. ↑  
LOWETA CO. ↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

PAGE 8 of 84

DATE		INSTRUMENT MAN		ROB. MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
5-4-84		B. Cotcamp		R. Trowbridge		6834		B.C.		15		84		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Georgia		Grantville 7 1/2		Georgia		Coweta						L.O. Davis		
STATION NO.	SLOPE 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.	
									875.0					
908	330		339° 50'	-0.8°	7.6	88° -	+11.5	+3.9		878.9		+308	-118	1,175,403 297,304
TP	515		340° 06' 54"	..	9.8	88° -	+15.0	+8.2		883.2	TP	+482	-182	1,175,523 297,237
TP	515				9.7	272° -	+18.0	+8.3			TP	-4	-3	
	275		158° 53' 31"	..	+1.7	89° 46'	-1.6	+0.1	883.3		BS	+255	-103	
	275				+1.6	270° 20'	-1.6	+0.0			BS	-4	-3	
909	140		146° 34'	-0.8°	6.8	87° 50'	+5.3	-1.5		881.8		-116	+79	1,175,708 297,210
TP	0				5.2	-	-	-5.2		878.1	TP	0	0	1,175,824 297,131
910	190		320° 50'	..	6.3	91° 30'	-5.0	-11.3		872.0		+146	-122	1,175,970 297,009
TP	278		318° 16' 00"	..	6.2	91° 30'	-7.3	-13.5		869.8	TP	+205	-188	1,176,025 296,940
Bm	321		315° 33' 20"	..	5.3	91° 30'	-8.4	-13.9			Bm	-4	-3	
Bm	333		315° 11' 50"	..	2.6	91° 30'	-8.7	-11.3		872.0	Bm			

E.O.L. Line #15  
 TP 4 way Horiz. Y = -65  
 CORR. X = -57