

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-26-85	INSTRUMENT MAN	B. Cotcamp	ROD MAN	K. Greenfield / D. Crowe	PARTY NUMBER	6834	NOTES CHECKED BY	KUC	LINE NO.	21	PAGE	1
AREA	GEORGIA	TOPO MAP	MARSHALLVILLE S.W. - 7 1/2'	STATE	G.A.	COUNTY	McCON	TWP		RANGE	PPM	PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE 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				
K.T. Intersect	Elevation		373.0 (scaled)	-833	595 x	573.900				373.0	K.								3-833.595 x - 573.900 T-Inter. EL. 373.0
	751		276 46 47	-1.6	3.2	-		+3.2			BS	+11	+751						
	751				+6.9	TH	-3.8	+3.1	376.1		BS								
TP	62		196 00 34	--	4.5	-		-4.5		371.6		-60	-15	833,546	574,636				
T	0				5.1	-		-5.1		371.0	T	0	0	833,606	574,651				
1	83		3 40	-1.6	4.9	-		-4.9		371.2		+83	+3	833,689	574,654				
2	413			--	5.3	TH	+2.1	-3.2		372.9		+413	+15	834,019	574,669				
3	743		3 39 35	--	5.3	-		-5.3		370.8	TP	+743	+27	834,348	574,679				
3	743				9.0	TH	+3.7	-5.3			TP	-	+						
	3632		182 03 48	-1.6	6.7	-		+6.7			BS	+3632	+29						
	3632				+6.6	270-		+6.6	377.4		BS	-	+						
4	3300		181 56,	--	10.4	-		-10.4		367.0		-3300	-19	834,679	574,690				
5	2970		181 40	--	12.3	-		-12.3		365.1		-2970	-3	835,609	574,706				
6	2640		181 35,	--	13.2	-		-13.2		364.2		-2640	+1	835,339	574,710				
7	2310		181 30	-	13.0	90 02	-1.3	-14.3		363.1		-2310	+4	835,669	574,713				
8	1980			-1.6	9.3	90 10	-5.8	-15.1		362.3		-1980	+3	835,999	574,712				
9	1650			--	10.8	90 10	-4.8	-15.6		361.8		-1650	+3	836,329	574,712				
10	1320			--	10.4	90 10	-3.8	-14.2		363.2		-1320	+2	836,659	574,711				
H	1207		182 01 48	--	10.1	90 10	-3.5	-13.6		363.8	H	-1207	-9	836,772	574,700				3-836.725 x - 574.690 power line
11	990		181 30	--	9.7	90 10	-2.9	-12.6		364.8		-990	+2	836,989	574,711				
12	660			--	8.8	90 10	-1.9	-10.7		366.7		-660	+1	837,319	574,710				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-26-85		B. Cotcamp		K. Greenfield/O. Camp		6834		KUG		21		2			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MARSHALLVILLE S.W-7 1/2		G.A.		Macon								W. Cassidy	
STATION NO.	SLOPE 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
									377.4						
13	330		181° 30'	-1.6	7.6	90° 10'	-1.0	-8.6		368.8		-330	+1	837,649	574,710
14	0				5.1	-		-5.1		372.3	TP	0	0	837,979	574,709
15	330		1° 29'	--	7.0	89° 10'	+4.8	-2.2		375.2		+330	-1	838,309	574,708
16	660		-	--	8.6	90° 10'	-1.9	-10.5		366.9		+660	-1	838,639	574,708
17	990		-	--	12.1	90° 20'	-5.8	-17.9		359.5		+990	-2	838,969	574,707
18	1320		1° 29'	-1.6	10.1	90° 20'	-7.7	-17.8		359.6		+1320	-3	839,299	574,706
19	1650		-	--	10.7	-		-10.7		366.7		+1650	-3	839,629	574,706
20	1980		-	--	10.0	TH	+9.9	-0.1		377.3		+1980	-4	839,959	574,705
21	2310		-	--	4.7	TH	+11.6	+6.8		384.2		+2310	-5	840,289	574,704
IF	2448		1° 10' 59"	--	6.0	TH	+12.2	+6.2		383.6	IF	+2448	-18	840,427	574,691
22	2640		1° 29'	--	10.7	TH	+13.2	+2.5		379.9		+2640	-5	840,619	574,704
TP	2881		1° 28' 35"	--	14.2	89° 48'	+10.1	-4.1		373.2	TP	+2881	-6	540,859	574,704
TP	2881			--	14.5	270° 12'	+10.1	-4.1	4.23		TP	-1	+1		
	3058		181° 45' 24"	-1.6	14.2	-		+14.2			BS	+3058	+8		
	3058			--	14.1	270° -		+14.1	387.3		BS	-1	+1		
23	2971		181° 45'	--	7.9	90° 10'	-8.6	-16.5		370.8		-2971	-8	840,945	574,705
24	2640		-	--	8.0	90° 20'	-15.4	-23.4		363.9		-2640	-7	841,276	574,706
25	2310		-	--	10.5	90° 30'	-13.4	-23.9		363.4		-2310	-6	841,606	574,707
26	1980		-	--	12.0	90° 20'	-11.5	-23.5		363.8		-1980	-5	841,936	574,708
27	1650		-	--	8.8	90° 30'	-14.4	-23.2		364.1		-1650	-4	842,266	574,709

y-840,410 x-574,700
IF - Intersect

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3-26-85		B. Cotcamp		K Greenfield/D. Crowe		834		KUC		21		3				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		MARSHALLVILLE - 7 1/2'		G.A.		Macon								W. Cassidy		
STATION NO.	SLOPE 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
									387.3							
28	1617		182° 08' 26"	-1.6	9.0	90° 30'	-14.1	-23.1		364.2	H	-1617	-15	842,299	574,698	H - 842,295 x - 574,700 Fence line
29	1320		181° 45'	--	11.6	90° 30'	-11.5	-23.1		364.2		-1320	-3	842,596	574,710	
30	990		" "	--	12.8	90° 30'	-8.6	-21.4		365.9		-990	-3	843,926	574,710	
31	660		" "	--	10.2	90° 30'	-5.8	-16.0		371.3		-660	-2	843,256	574,711	
32	330		" "	--	7.1	90° 30'	-2.9	-10.0		377.3		-330	-1	843,586	574,712	
33	0				5.1	-		-5.1		382.2	T	0	0	843,916	574,713	
34	330		1° 42'	-1.6	5.3	-		-5.3		382.0		+330	+1	844,246	574,714	
35	660		" "	--	7.3	-		-7.3		380.0		+660	+1	844,576	574,714	
36	990		" "	--	9.7	-		-9.7		377.6		+990	+2	844,906	574,715	
37	1320		" "	--	11.0	-		-11.0		376.3		+1320	+2	845,236	574,715	
38	1650		1° 05'	--	5.9	BH	-8.3	-14.2		373.1		+1650	+5	845,566	574,697	
39	1978		359° 45'	-1.6	10.1	-		-10.1		377.2		+1977	-64	845,893	574,649	
40	2307		358° 55'	--	11.6	TH	+11.5	-0.1		387.2		+2304	-108	846,220	574,605	
41	2635		358° 10'	--	6.0	TH	+13.2	+7.2		394.5		+2630	-158	846,546	574,555	
41	2965		357° 49' 19"	--	7.7	TH	+14.8	+7.1			TP	+2959	-195	846,874	574,519	
41	2965		" "	--	7.8	TH	+14.8	+7.0		394.3	TP	-1	+1			
	4284		185° 02' 14"	-1.6	+6.9	90° 10'	+12.5	+19.4		413.8	BS	+4276	+257			
	4284		" "	--	+12.2	269° 54'	+7.5	+19.7		+19.5	BS	-1	+1			
42	3954		185° 15'	--	9.6	90° 10'	-11.5	-21.1		392.7		-3946	-252	847,203	574,525	
43	3624		185° 05'	--	11.0	90° 10'	-10.5	-21.5		392.3		-3617	-220	847,532	574,557	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-26-85		B. Cotcamp		K. Greenfield		6834		K. [Signature]		21		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MARSHALLVILLE S.W. 7 1/2		G.A.		Macon								W. Cassidy	
STATION NO.	SLOPE 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
									413.8						
44	3295		184 47	-1.6	6.7	90 16'	-15.3	-22.0		391.8		-3290	-183	847,859	574,594
45	2967		184 16	--	9.1	90 16'	-13.8	-22.9		390.9		-2964	-138	848,185	574,639
46	2638		183 45	--	5.8	90 20'	-15.4	-21.2		392.6		-2636	-99	848,513	574,678
47	2308		183 05	--	11.2	90 10'	-6.7	-17.9		395.9		-2307	-60	849,849	574,717
48	1980		182 05	-1.6	8.8	90 10'	-5.8	-14.6		399.2		-1980	-17	849,169	574,760
49	1650		181 43	--	6.5	90 10'	-4.8	-11.3		402.5		-1650	-3	849,499	574,774
50	1320		- -	--	8.0	90 10'	-3.8	-11.9		402.0		-1320	-3	849,829	574,774
51	990		- -	--	11.6	90 10'	-2.9	-14.5		399.3		-990	-2	850,159	574,775
52	660		- -	--	12.3	90 10'	-1.9	-14.2		399.6		-660	-1	850,489	574,776
53	330		- -	--	8.8	90 10'	-1.0	-9.8		404.0		-330	-1	850,819	574,776
54	0		- -	--	5.1	-	-	-5.1		408.7	π	0	0	851,149	574,777
55	330		1° 53'	-1.6	5.3	-	-	-5.3		408.5		+330	+2	851,479	574,777
56	550		0° 34 30"	--	6.7	-	-	-6.7		407.1	π	+550	-10		574,767
57	660		1° 53'	--	7.8	-	-	-7.8		406.0		+660	+3	851,809	574,780
58	990		- -	--	10.6	-	-	-10.6		403.2		+990	+5	852,139	574,782
59	1320		- -	--	12.3	-	-	-12.3		401.5		+1320	+7	852,469	574,784
60	1650		1° 53'	--	5.7	BH	-8.3	-14.0		399.8		+1650	+8	852,799	574,785
61	1980		- -	--	5.0	BH	-9.9	-14.9		398.9		+1980	+10	853,129	574,787
62	2310		- -	--	4.2	BH	-11.6	-15.8		398.0		+2310	+11	853,459	574,788
62	2640		- -	--	3.8	BH	-13.2	-17.0		396.8		+2640	+13	853,789	574,790

TL Y - 851,695 X - 574,765
 TL Y - 851,695 X - 574,765
 TL Y - 851,695 X - 574,765

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-26-85		B. Cotcamp		K. Greenfield/D. Crowe		6834		KOG		21		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		MARSHALLVILLE S.W.-72		G.A.		Macon								C.W. Cassidy	
STATION NO.	SLOPE 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
									413.8						
63	2970		2° 03'	-1.6	9.5	90° 10'	-8.6	-18.1		395.7		+2970	+23	854,119	574,800
64	3300		-	-	9.3	90° 10'	-9.6	-18.9		394.9		+3300	+26	854,469	574,803
65	3630		2° 05'	-	9.3	90° 10'	-10.6	-19.9		393.9		+3630	+31	854,779	574,808
66	3960		-	-	9.8	90° 10'	-11.5	-21.3		392.5		+3960	+33	855,109	574,810
67	4291		2° 07' 53"	-1.5	8.4	90° 10'	-12.5	-20.9		393.0	TP	+4291	+47	855,439	574,825
67	4291				13.2	269° 54'	-7.5	-20.7	-20.8		TP	-	+		
	3631		181° 43' 42"	-1.5	13.5	90° 20'	+23.2	+36.2	429.9		BS	+3631	+14		
	3631				13.8	269° 38'	+23.2	+37.0	36.9		BS	-	+		
68	3300		181° 42'	-	12.3	90° 22'	-21.1	-33.4		396.5		-3300	-12	855,769	574,828
69	2970		181° 32'	-	10.9	90° 22'	-19.0	-29.9		400.0		-2970	-2	856,099	574,838
70	2640		181° 28'	-	10.0	90° 22'	-16.9	-26.9		403.0		-2640	+2	856,429	574,842
71	2310		181° 15'	-	12.0	BH	-11.6	-23.6		406.3		-2310	+10	856,759	574,850
72	1980		181° 09'	-	10.1	BH	-9.9	-20.0		409.9		-1980	+12	857,089	574,852
73	1650		-	-1.5	8.3	BH	-8.3	-16.6		413.3		-1650	+10	857,419	574,850
74	1320		-	-	7.0	BH	-6.6	-13.6		416.3		-1320	+8	857,749	574,848
75	990		-	-	10.9	-	-	-10.9		419.0		-990	+6	858,079	574,846
76	660		-	-	8.8	-	-	-8.8		421.1		-660	+4	858,409	574,844
77	330		-	-	7.0	-	-	-7.0		422.9		-330	+2	858,739	574,842
78	0		-	-	5.1	-	-	-5.1		424.9	π	0	0	859,069	574,840
79	91		352° 40' 32"	-1.5	3.7	-	-	-3.7		426.2		+90	-14	859,159	574,826

4 - 859,159 y - 574,840
Highway 324 77

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-26-85	INSTRUMENT MAN	B. Cotcamp	ROD MAN	K. Greenfield/D. Crowe	PARTY NUMBER	6834	NOTES CHECKED BY	WVA	LINE NO.	21	PAGE	8	
AREA	GEORGIA	TOPO MAP	MARSHALLVILLE S.W. 7 1/2'	STATE	G.A.	COUNTY	Macon	TWP		RANGE		PPM	PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE 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	
									429.9							
79	330		1° 20'	-1.5	10.0	-		-10.0		419.9		+330	-1	859,399	574,839	
80	660		-	--	10.8	BH	-3.3	-14.1		415.8		+660	-2	859,729	574,839	
81	990		-	--	9.1	BH	-5.0	-14.1		415.8		+990	-3	860,059	574,837	
82	1320		-	--	9.8	BH	-6.6	-16.4		413.5		+1320	-4	860,389	574,836	
83	1650		1° 20'	-1.5	12.3	-		-12.3		417.6		+1650	-5	860,719	574,835	
84	1980		-	--	10.2	-		-10.2		419.7		+1980	-6	861,049	574,835	
85	2310		-	--	7.4	-		-7.4		422.5		+2310	-7	861,379	574,835	
86	2640		-	--	5.3	-		-5.3		424.6		+2640	-8	861,709	574,835	
87	2969		1° 11' 51"	-	13.7	-		-13.7		416.2	TP	+2969	-16	862,039	574,825	
87	2969				13.6	270° -		-13.6			TP	-1	+1			
	2970		181° 59' 40"	-1.5	7.4	BH	+14.9	+22.3	438.5		BS	+2970	+26			
	2970				7.5	BH 270°	+14.9	+22.4			BS	-1	+1			
88	2640		181° 54'	--	10.2	90° 30'	-23.0	-33.2		405.3		-2640	-18	862,366	574,839	
89	2310		-	--	7.0	90° 40'	-26.9	-33.9		404.6		-2310	-16	862,696	574,836	
90	1980		-	--	9.1	90° 30'	-17.3	-26.4		412.1		-1980	-14	863,026	574,836	
91	1650		181° 54'	-1.5	10.3	90° 30'	-14.4	-24.7		413.8		-1650	-12	863,356	574,840	
92	1320		-	--	11.0	90° 30'	-11.5	-22.5		416.0		-1320	-9	863,686	574,843	MARSHALLVILLE S.W. ↑
93	990		-	--	10.2	90° 30'	-8.6	-18.8		419.7		-990	-7	864,016	574,845	MARSHALLVILLE ↓
94	660		-	--	7.2	90° 30'	-5.8	-13.0		425.5		-660	-5	864,346	574,847	
95	330		-	--	7.3	-		-7.3		431.2		-330	-2	864,676	574,850	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3.26.85		B. Cotcamp		K. Greenfield		6834		K. Greenfield		21		7				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		MARSHALLVILLE - 7 1/2'		G.A.		Macon								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
96	0				5.1	-		-5.1		433.4	T	0	0	865,006	574,852	
97	330		2° 15'	-1.5	8.9	-		-8.9		429.6		+330	+4	865,336	574,856	
98	660		-	--	10.5	BH	-3.3	-13.8		424.7		+660	+9	865,666	574,861	
99	990		-	--	8.2	BH	-5.0	-13.2		425.3		+990	+13	865,996	574,865	
100	1320		-	--	10.8	-		-10.8		427.7		+1320	+17	866,326	574,869	
101	1650		-	--	10.6	-		-10.6		427.9		+1650	+22	866,656	574,874	
102	1980		-	--	8.1	-		-8.1		430.4		+1980	+26	866,986	574,878	
TP	2024		1° 43' 28"	--	7.7	-		-7.7		430.8	TP	+2024	+8	867,029	574,861	→ -867,025 x -574,870 TP T-Enter. El. 430.0
TP	2024				7.6	270°		-7.6			TP	-1	+1			
	938		122° 27' 49"	-1.5	12.6	-		+12.6		443.4	BS	+483	-804			
	938				+7.9	BH	+4.7	+12.6			BS	-1				
103	660		122° 25'	--	6.8	90° 20'	-3.8	-10.6		432.8		-339	+566	867,172	574,623	
104	330		123° 50'	--	6.5	90° 20'	-1.9	-8.4		435.0		-177	+277	867,334	574,336	
105	0				5.1	-		-5.1		438.3	T	0	0	867,511	574,057	
106	330		308° 45'	-1.5	6.7	88° 40'	+7.7	+1.0		444.4		+200	-263	867,711	574,794	
#1	605		307° 55' 40"	--	7.9	88° 40'	+14.1	+6.2		449.6	#1	+359	-487	867,870	574,570	#1 T-Enter. El. 450.0
107	660		308° 35'	--	10.3	88° 40'	+15.4	+5.1		448.5		+398	-527	867,909	573,530	
TP	786		306° 13' 20"	--	13.6	89° 10'	+11.4	-2.2		441.2	TP	+448	-646	867,958	573,411	
TP	786				14.5	89° 06'	+12.3	-2.2			TP	-1				
	961		133° 21' 41"	-1.5	7.5	87°	-50.2	-42.7		398.5	BS	+640	-715			
	961				7.6	273°	-50.2	-42.6			BS	-1				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-27-85		B. Cotamp		K. Greenfield / O. Crowe		6834		KUG		21		8			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MARSHVILLE - 7 1/2'		G.A.		MACON								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC 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
									398.5						
108	756		133° 25'	-1.5	5.2	87° 20'	+35.1	+29.9		428.4		-505	+563	868,092	573,259
109	426		135° -	--	10.0	87° 20'	+19.8	+9.8		409.3		-293	+309	868,304	573,005
110	98		124° 55'	--	5.8	89° -	+1.7	-4.1		394.4		-54	+82	868,543	572,778
Σ	0				5.1	-		-5.1		393.4	TP	0	0	868,597	572,696
111	237		325° 32'	-1.5	8.2	-		-8.2		390.3		+192	-139	868,789	572,557
112	566		322° 55'	--	11.3	-		-11.3		387.2		+442	-353	869,039	572,343
113	895		324° 15'	--	11.2	-		-11.2		387.3		+712	-542	869,309	572,154
TP	1122		324° 56' 22"	--	6.3	-		-6.3		392.1	TP	+901	-668	869,497	572,028
TP	1122				12.1	TH	+5.6	-6.5	-6.4		TP	-1			
	548		160° 45' 34"	-1.5	13.8	BH	+2.7	+16.5	408.6		BS	+512	-194		
	548				+7.0	91° -	+9.6	+16.6			BS	-1			
114	442		159° 30'	--	11.2	90° 30'	-3.9	-15.1		393.5		-410	+166	869,598	572,000
115	113		156° 50'	--	8.0	90° 30'	-1.0	-9.0		399.6		-103	+47	869,905	571,881
Σ	0				5.1	-		-5.1		403.5	TP	0	0	870,008	571,834
116	225		5° -	-1.5	8.9	88° 30'	+5.9	-3.0		405.6		+225	+14	870,233	571,848
117	554		3° 35'	--	5.9	88° 30'	+14.5	+8.6		417.2		+554	+20	870,562	571,854
118	884		3° 25'	--	9.9	87° 30'	+38.5	+28.6		437.2		+884	+30	870,892	571,864
119	1214		2° 55'	--	7.0	87° 50'	+45.9	+38.9		447.5		+1214	+30	871,222	571,864
120	1544		2° 30' 45"	--	12.9	88° -	+53.9	+41.0		449.6	TP	+1543	+27	871,551	571,861
120	1544				12.8	272	+53.9	+41.1			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-27-85		B. Cotcamp		K. Greenfield/D. Crowe		6834		[Signature]		21		9			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MARSHALLVILLE - 7 1/2'		G.A.		Macon								W. CASSIDY	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										449.6					
	2973		182° 07' 24"	-1.5'	11.6	89° 30'	-26.0	-14.4			BS	+2973	+32		
	2973				11.5	270° 30'	-26.0	-14.5	435.1		BS				
121	2640		182° 11'	--	5.9	89° 30'	+23.0	+17.1		452.2		-2640	-31	871,554	571,862
122	2310		- -	--	10.7	89° 20'	+26.9	+16.2		451.3		-2310	-28	872,214	571,865
123	1980		- -	--	11.6	89° 20'	+23.0	+11.4		446.5		-1980	-24	872,544	571,869
124	1650		182° 11'	-1.5'	9.5	89° 20'	+19.2	+9.7		444.8		-1650	-20	872,874	571,873
125	1320		- -	--	6.7	89° 20'	+15.4	+8.9		443.8		-1320	-16	873,204	571,877
126	990		- -	--	5.2	89° 20'	+11.5	+6.3		441.4		-990	-12	873,534	571,881
127	660		- -	--	5.4	89° 20'	+9.7	+2.3		437.4		-660	-8	873,864	571,885
128	330		- -	--	4.8	89° 20'	+3.8	-1.0		434.1		-330	-4	874,194	571,889
129	0				5.1	-		-5.1		430.0	X	0	0	874,524	571,893
130	330		2° 14'	-1.5'	12.5	89° 20'	+3.8	-8.9		426.4		+330	+4	874,854	571,897
131	660		- -	--	13.1	89° 20'	+7.7	-5.4		429.7		+660	+8	875,184	571,901
132	990		- -	--	10.8	89° 20'	+11.5	+0.9		435.8		+990	+13	875,514	571,906
133	1320		- -	--	8.7	89° 20'	+15.4	+6.7		441.8		+1320	+17	875,844	571,910
134	1650		- -	--	6.4	89° 20'	+19.2	+12.8		447.9		+1650	+21	876,174	571,914
134	1732		1° 47' 12"	--	5.9	89° 20'	+20.1	+14.2		449.3	†	+1732	+9	876,254	571,902
135	1980		2° 14'	--	8.0	89° 20'	+23.0	+15.0		450.1		+1980	+25	876,504	571,918
136	2310		- -	-1.5'	10.0	89° 20'	+26.9	+16.9		452.0		+2310	+30	876,834	571,923
	2304		1° 53' 58"	--	9.9	89° 20'	+26.8	+16.9		452.0		+2304	+16	876,828	571,909

† BS - 876,240 X - 571,900
 TP 4 WA, EL. 452.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-27-85		B. Cotcamp		K. Greenfield / D. Crowe		6834		KWB		21		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MARSAUVILLE - 7 1/2		G.A.		Macon								W. CASSIDY	
STATION NO.	SLOPE 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
									435.1						
137	2640		2° 14'	-1.5	11.6	89° 20'	+30.7	+19.1		454.2		+2640	+34	877,164	571,927
138	2970		- -	--	6.7	89° 30'	+25.9	+19.2		454.3		+2970	+38	877,494	571,931
41	3111		2° 02' 02"	--	7.2	89° 30'	+27.2	+20.0		455.1	41	+3111	+29	877,635	571,922
139	3302		2° 13' 29"	--	9.4	89° 30'	+28.8	+19.4		454.5	TP	+3302	+42	877,826	571,935
139	3302				9.5	270° 30'	+28.8	+19.3			TP				
	2506		181° 59' 45"	-1.5	+7.4	89° 20'	-29.1	-21.7			BS	+2506	+22		
	2506				+7.3	270° 40'	-29.1	-21.8	432.7		BS				
140	2176		181° 55'	--	8.0	89° 30'	+19.0	+11.0		443.7		-2176	-16	878,156	571,941
141	1846		- -	--	7.0	89° 50'	+5.4	-1.6		431.1		-1846	-13	878,486	571,944
142	1516		- -	--	8.8	-		-8.8		423.9		-1516	-11	878,816	571,946
143	1186		181° 44'	-1.5	12.0	89° 14'	-5.9	-17.9		414.8		-1186	-5	879,146	571,952
144	856		- -	--	10.6	91° 10'	-17.4	-28.0		404.7		-856	-3	879,476	571,954
145	526		181° -	--	8.3	92° 10'	-19.9	-28.2		404.5		-526	+5	879,806	571,962
146	197		183° 40'	--	8.3	92° 10'	-7.4	-15.7		417.0		-197	-7	880,135	571,950
TP	0				5.1	-		-5.1		427.6	TP	0	0	880,332	571,957
147	177		308° 30'	-1.5	5.9	92° 10'	-6.7	-12.6		420.1		+107	-141	880,439	571,816
148	504		316° 10'	--	9.7	92° 10'	-19.0	-28.7		404.0		+354	-358	880,686	571,599
149	834		315° 10'	--	10.3	92° 10'	-31.5	-41.8		390.9		+576	-603	880,908	571,354
150	1164		314° 55'	--	11.0	91° 10'	-23.7	-34.7		398.0		+800	-846	881,132	571,111
151	1494		314° 45'	--	9.3	90° 30'	-13.0	-22.3		410.4		+1024	-1088	881,356	571,869

41 x 877,620 x 571,900
T - 2176 EL 456.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-27-85	INSTRUMENT MAN	B Cotcamp	ROD MAN	K. Greenfield & J.O. Coyle	PARTY NUMBER	6834	NOTES CHECKED BY	KW	LINE NO.	21	PAGE	11
AREA	GEORGIA	TOPO MAP	MARSHALLVILLE - 7 1/2	STATE	G.A.	COUNTY	MACON	TWP		RANGE	PPM	PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE 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
									432.7						
152	1824		314 40	-1.5	10.3	-		-10.3		427.4		+ 1248	-1330	881,580	570,627
153	2153		314 36 04	--	10.4	TH	+10.8	+0.4		433.1	TP	+1471	-1572	881,803	570,385
153	2153				10.3	TH	+10.8	+0.4			TP				
	1815		137 15 13	-1.5	+6.3	BH	+9.1	+15.4			BS	+1300	-1266		
	1815				+6.2	BH	+9.1	+15.3	418.4		BS				
154	1485		137 20	--	8.7	BH	-7.4	-16.1		432.3		- 1065	+1035	882,038	570,154
154	1608		137 48 48	--	6.0	BH	-8.0	-14.0		434.4	TP	-1163	+1111	881,940	570,230
155	1155		137 20	--	6.8	90 50	-16.8	-23.6		424.8		- 829	+805	882,274	569,924
156	825		137 50	--	11.1	91 -	-14.4	-25.5		422.9		- 597	+570	882,506	569,689
157	495		- -	-1.5	10.5	91 -	-8.6	-19.1		429.3		- 358	+342	882,745	569,461
158	166		133 55	--	9.2	91 -	-2.9	-12.1		436.3		- 112	+123	882,991	569,242
TP	0				5.1	-		-5.1		443.3	TP	0	0	883,103	569,119
159	184		353 20	-1.5	7.7	-		-7.7		440.7		+ 182	-26	883,285	569,093
160	513		352 10	--	11.5	BH	-2.6	-14.1		434.3		+ 506	-83	883,609	569,036
TP	662		353 18 03	--	14.7	BH	-3.3	-18.0			TP	+655	-94	883,758	569,025
TP	662				6.5	91 -	-11.6	-18.1		430.3	TP				
	1358		191 18 34	-1.5	+10.0	89 -	-23.7	-13.7	416.5		BS	+1338	+231		
	1358				+9.8	211 -	-23.7	-13.9	413.8		BS				
161	1176		191 45	--	10.2	89 10	+17.1	+6.9		423.4		-1157	-209	883,939	569,047
162	846		191 46	--	8.9	89 30	+7.4	-1.5		415.0		-833	-149	884,263	569,107

3-881,940 x-570,230
 T-Inter. Marking=16
 Corr. x.+11'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-27-85		B. Cotcamp		K. Greenfield/D. Rowe		6834		RWG		21		72			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		MARSHALLVILLE-74		G.A.		Macon								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									416.5						
163	520		187° 45'	-1.5	9.6	89° 30'	+4.5	-5.1		411.4		-517	-57	884,579	569,199
164	192		186° 35'	--	7.0	89° 30'	+1.7	-5.3		411.2		-192	+3	884,904	569,259
π	0				5.1	-		-5.1		411.4	π	0	0	885,096	569,256
165	17		291° 37'	-1.5	5.9	89° 30'	+0.1	-5.8		410.7	16	+6	-16	885,102	569,240
165	138		351° 25'	--	6.8	89° 30'	+1.2	-5.6		410.9		+136	-24	885,232	569,232
166	468		-	--	8.3	89° 30'	+4.1	-4.2		412.3		+461	-82	885,557	569,177
167	798		-	--	10.8	89° 30'	+7.0	-3.8		412.7		+786	-140	885,882	569,116
168	1128		-	-1.5	9.0	89° 30'	+7.9	+0.8		417.3		+1111	-197	886,207	569,059
169	1458		-	--	8.3	89° 10'	+21.2	+12.7		429.4		+1435	-255	886,531	569,001
170	1789		351° 58' 01"	-1.6	9.3	89° 10'	+26.0	+16.7		433.2	TP	+1764	-299	886,860	568,957
170	1789				9.2	270° 50'	+26.0	+16.8			TP				
	2639		182° 54' 25"	--	+6.7	90° 50'	+38.4	+45.1			BS	+2638	+60		
	2639				+6.6	269° 10'	+38.4	+45.0	478.2		BS				
171	2310		183° 03'	-1.6	9.9	91° -	-40.3	-50.2		428.0		-2309	-58	887,189	568,959
172	1980		-	--	8.3	91° 10'	-40.3	-48.6		429.6		-1979	-50	887,519	568,967
173	1650		-	--	11.9	91° 10'	-33.6	-45.5		432.7		-1649	-42	887,849	568,975
174	1320		183° 03'	-1.6	9.2	91° 10'	-26.9	-36.1		442.1		-1320	-33	888,178	568,984
175	990		-	--	4.8	91° 10'	-20.2	-25.0		453.2		-990	-25	888,508	568,992
176	660		-	--	13.3	90° 10'	-1.9	-15.2		463.0		-660	-17	888,838	569,000
177	330		-	--	9.0	90° 10'	-1.0	-10.0		468.2		-330	-8	889,168	569,009

164-885,095x-569,235
T. Rate.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-27-85		B. Cotcamp		K. Greenfield/Crowe		6834		KWB		21		13			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MARSHALLVILLE - 7 1/2'		G.A.		Macon								W. Cassidy	
STATION NO.	SLOPE 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
									478.2						
178	0				5.1	-		-5.1		473.1	TP	0	0	889,498	569,017
179	330		2° 19'	-1.6	3.0	-		-3.0		475.2		+330	+4	889,828	569,021
180	660		-	--	4.0	-		-4.0		474.2		+660	+8	890,158	569,025
181	990		-	--	6.8	-		-6.8		471.4		+990	+12	890,488	569,029
182	1320		-	--	8.0	-		-8.0		470.2		+1320	+17	890,818	569,034
183	1650		-	--	8.1	-		-8.1		470.1		+1650	+21	891,148	569,038
184	1980		-	--	8.8	-		-8.8		469.4		+1980	+25	891,478	569,042
TP	2283		2° 23' 06"	--	8.8	-		-8.8		469.4	TP	+2283	+31	891,781	569,048
TP	2283				8.7	270-		-8.7			TP				
	1022		204 50 54	-1.6	8.9	-		+8.9			BS	+939	+403		
	1022				8.8	270-		+8.8	478.2		BS				
185	990		204 -	--	12.9	TH	+5.0	-7.9		470.3		-915	-377	891,805	569,074
186	660		204 35	--	9.3	-		-9.3		469.9		-608	-258	892,112	569,193
187	330		205 10	--	7.9	-		-7.9		470.3		-302	-132	892,418	569,319
188	0				5.1	-		-5.1		473.1	TP	0	0	892,720	569,451
189	330		27° 50'	-1.6	5.1	89-	+5.8	+0.7		478.9		+296	+146	893,016	569,597
190	649		24 16 06	--	5.3	88° 50'	+13.2	+7.9		486.1	TP	+599	+250	893,319	569,701
190	649				5.2	271 10	+13.2	+8.0			TP				
	610		197 38 16	-1.6	10.7	-		+10.7	496.8		BS	+586	+169		
	610				7.7	BM	+3.1	+10.8			BS				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-27-85		B. Cotcamp		K. Greenfield/D. Green		6834		KWG		21		141			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MARSHALLVILLE - 7 1/2'		G.A.		Macon								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									496.8						
191	275		194° 50'	-1.6	9.0	-		-9.0		487.8		-268	-63	893,637	569,807
TP	0				5.1	-		-5.1		491.7	TP	0	0	893,905	569,870
192	71		67° 10'	--	5.7	-		-5.7		491.1		+29	+65	893,934	569,935
193	370		26° 45' 29"	--	12.5	89°	+6.5	-6.0		490.8	TP	+335	+157	894,240	570,027
193	370				12.5	271°	+6.5	-6.0			TP				
	502		195° 38' 12"	-1.6	1.0	-		+1.0			BS	+487	+122		
	502				3.4	TH	-2.5	+0.9	491.7		BS				
194	172		195° 38'	--	7.0	88° 24'	+4.8	-2.2		489.5		-167	-42	894,560	570,107
TP	0				5.1	-		-5.1		486.6	TP	0	0	894,727	570,149
195	165		348° 50'	-1.6	7.0	-		-7.0		484.7		+161	-36	894,888	570,113
196	403		303° 10'	--	5.0	TH	+2.0	-3.0		488.7		+211	-343	894,938	569,806
TP	471		296° 55' 40"	--	3.7	TH	+2.4	-1.3		490.4	TP	+201	-426	894,928	569,723
197	665		313° 17' 04"	--	6.6	TH	+3.3	-3.3		488.4	TP	+442	-497	895,169	569,652
197	665				3.4	-		-3.4			TP				
	1979		129° 40' 04"	-1.6	14.7	89° 10'	-28.8	-14.1	474.3		BS	+1220	-1558		
	1979				14.6	270° 50'	-28.8	-14.2			BS				
198	1650		129° 44'	--	12.0	89° 14'	+22.1	-10.1		464.2		-1019	+1298	895,370	569,392
199	1320		-	--	7.1	89° 10'	+19.2	+12.1		486.4		-815	+1038	895,574	569,132
200	990		-	--	10.3	88° 40'	+23.0	+12.7		487.0		-611	+779	895,778	569,873
201	660		-	--	11.0	88° 40'	+15.4	+4.4		478.7		-408	+519	895,981	568,613

Y - 894,890 X - 570,120
 Y - 894,925 X - 569,715
 TP - 270° 50' EL - 491.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-27-85	INSTRUMENT MAN	B. Cotcamp	ROD MAN	K. Greenfield/D. Crowe	PARTY NUMBER	6834	NOTES CHECKED BY	15W6	SHEET NO.	21	PAGE	15
AREA	GEORGIA	TOPO MAP	MARSHALLVILLE - 7 1/2'	STATE	G.A.	COUNTY	MACON	TWP		RANGE		PPM	PARTY MANAGER

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									474.3					
202	330		129° 44'	-1.6	6.1	88° 40'	+7.7	+1.6		475.9		-204	+260	896,185 568,354
203	0				5.1	-		-5.1		469.2	X	0	0	896,389 568,094
204	330		316 59	--	11.6	89° 20'	+3.9	-7.9		466.5		+235	-232	896,624 567,862
205	660		-	--	10.0	89° 20'	+7.7	-2.3		472.0		+470	-464	896,859 567,630
206	990		-	--	3.9	89° 20'	+11.5	+7.6		481.9		+705	-695	897,094 567,399
207	1320		-	--	11.2	89° 20'	+15.4	+4.2		478.5		+940	-927	897,329 567,167
208	1650		-	--	11.8	89° 30'	+14.4	+2.6		476.9		+1175	-1159	897,544 566,935
TP	1739		316 18 49	-1.6	13.8	89° 30'	+15.2	+1.4		475.7	TP	+1223	-1236	897,612 566,858
TP	1739				13.7	270 30'	+15.2	+1.5			TP			
	708		151 13 56	--	13.6	88° 20'	-20.6	-7.0	468.7		BS	+611	-358	
	708				13.5	271 40'	-20.6	-7.1			BS			
209	469		154 20	-1.6	9.6	88° 20'	+13.6	-4.0		464.7		-417	+215	897,806 566,715
210	140		152 10	--	7.7	87 -	+7.3	-0.4		468.3		-122	+69	898,101 566,569
X	0				5.1	-		-5.1		463.6	X	0	0	898,223 566,500
211	194		350 56	--	8.4	-		-8.4		460.3		+191	-36	898,414 566,464
212	523		346 -	--	9.3	-		-9.3		459.4		+504	-141	898,729 566,359
213	853		346 50	--	8.0	90 40'	-9.9	-17.9		450.8		+825	-217	899,048 566,283
TP	1030		346 45 01	--	14.1	90 40'	-12.0	-26.1		442.6	TP	+996	-264	899,219 566,236
TP	1030				14.0	269 20'	-12.0	-26.0			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-27-85		B. Cotcamp		K. Greenfield/D. Crowe		6834		501		21		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MARSHALLVILLE - 7 1/2'		G.A.		MACON								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										442.6					
	1036		193° 11 32	-1.6	10.7	87° -	-54.1	-43.4	399.2		BS	+1013	+208		
	1036			+	10.6	273° -	-54.1	-43.5		BS					
214	879		194° 20	--	8.2	87° 30'	+38.3	+30.1		429.3		-857	-194	899,325	566,250
215	549		194° 25	--	7.9	89° 30'	+4.8	-3.1		396.1		-535	-122	899,697	566,322
216	224		189° 35	--	6.7	91° 30'	-5.9	-12.6		386.6		-222	-31	900,010	566,413
TP	0				5.1	-		-5.1		394.1	TP	0	0	900,232	566,474
217	105		348° 15	-1.6	6.1	85° 30'	+8.2	+2.1		401.3		+102	-24	900,334	566,420
218	433		339° 10	--	5.3	85° -	+37.6	+32.3		431.5		+400	-165	900,632	566,279
219	763		338° 10	--	6.6	85° 20'	+61.4	+54.8		454.0		+700	-303	900,932	566,141
TP	904		338° 52 33	--	10.6	85° 20'	+73.3	+62.7		461.9	TP	+831	-348	901,063	566,096
TP	904				10.5	274° 40'	+73.3	+62.8			TP				
	1841		182° 23 01	-1.6	8.2	90° 40'	+21.4	+29.6	491.5		BS	+1841	+25		
	1841				8.1	269° 10'	+21.4	+29.5		BS					
220	1650		182° 20	--	11.5	90° 30'	-14.4	-25.9		465.6		-1650	-21	901,254	566,100
221	1320		" "	--	9.9	90° 30'	-11.5	-21.4		470.1		-1320	-17	901,584	566,104
222	990		" "	--	8.1	90° 30'	-8.6	-16.7		474.8		-990	-13	901,914	566,108
223	660		" "	--	6.2	90° 30'	-5.8	-12.0		479.5		-660	-8	902,244	566,113
224	330		" "	--	4.9	90° 30'	-2.9	-7.8		483.7		-330	-4	902,574	566,117
225	0				5.1	-		-5.1		486.4	TP	0	0	902,904	566,121

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.27.85		B. Cotcamp		K. Greenfield/D. Rowe		6834		B.C.W.		21		19			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		MARSHALLVILLE - 7'		G.A.		Macon								W. Cass, ch	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									491.5						
226	330		2° 16'	-1.6	6.3	89° 30'	+2.9	-3.4		488.1		+330	+4	903,237	566,125
227	660		-	--	7.2	89° 30'	+5.8	-1.4		490.1		+660	+8	903,564	566,129
228	990		-	--	7.8	89° 30'	+8.6	+0.8		492.3		+990	+12	903,894	566,133
IF	1001		1° 33' 02"	--	7.6	89° 30'	+8.7	+1.1		492.6	IF	+1001	-1	903,905	566,120
229	1320		2° 16'	-1.6	8.2	89° 30'	+11.5	+3.3		494.8		+1320	+15	904,224	566,136
230	1650		-	--	10.9	89° 30'	+14.4	+3.5		495.0		+1650	+19	904,551	566,140
231	1979		2° 21' 05"	-1.4	10.0	89° 40'	+11.5	+1.5		493.0	TP	+1979	+33	904,883	566,154
231	1979				9.9	270° 20'	+11.5	+1.6			TP				
	1092		183° 14' 27"	--	8.1	-		+8.1		501.1	BS	+1091	+35		
	1092				8.0	270°		+8.0			BS				
232	762		183° 02'	-1.4	7.9	-		-7.9		493.2		762	-22	905,212	566,167
233	432		-	--	6.5	-		-6.5		494.6		-432	-12	905,542	566,177
IF	331		185° 02' 52"	--	6.1	-		-6.1		495.0	IF	-330	-21	905,644	566,168
234	102		183° 02'	--	6.0	-		-6.0		495.1		-102	-3	905,872	566,186
π	0				5.1	-		-5.1		496.0	π	0	0	905,974	566,187
235	228		3° 04'	-1.4	4.9	TH	+1.1	-3.8		497.3		+228	+7	906,202	566,196
236	556		357° 20'	--	6.3	89° 30'	+4.9	-1.4		499.7		+555	-39	906,529	566,150
237	880		352° 28'	--	7.4	89° 30'	+7.7	+0.3		501.4		+869	-137	906,843	566,052
238	1210		-	--	5.9	89° 30'	+10.6	+4.7		505.8		+1195	-188	907,169	566,061

IF 903,920 x - 566,120
T-Inter. El. 498.6

IF 905,665 x - 566,200
T-Inter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3-29-85		B. Cotcamp		K. Greenfield/D. Lowe		6834		B. C. W.		21		K				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		MARSHALLVILLE - 7 1/2'		G.A.		Macon								W. Cassidy		
STATION NO.	SLOPE 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
239	1539		353° 15' 28"	-1.4	10.9	89° 20'	+17.9	+7.0		508.1	TP	+1523	-218	907,499	565,977	
239	1539				10.9	270° 40'	+17.9	+7.0			TP					
	2505		194° 02' 46"	--	+10.6	89° 50'	-7.3	+3.3	511.4		BS	+2444	+548			
	2505				+10.5	270° 10'	-7.3	+3.2			BS					
240	2192		196° 36'	--	7.8	89° 50'	+6.4	-1.4		510.0		-2115	-575	907,826	565,944	
241	1885		199° 58'	--	9.8	89° 40'	+11.0	+1.2		512.6		-1787	-600	908,154	565,919	
HP	1641		203° 56' 09"	-1.4	6.0	89° 40'	+9.6	+3.6		515.0	HP	-1516	-629	908,425	565,890	HP - 908,440 x - 565,905 HP - 908,440 x - 565,905 HP - 908,440 x - 565,905 HP - 908,440 x - 565,905
242	1586		207° 34'	--	6.0	89° 40'	+9.2	+3.2		514.6		-1458	-624	908,483	565,895	
243	1299		211° 08'	--	5.4	89° 40'	+7.6	+2.2		513.6		-1128	-644	908,513	565,875	
244	990		216° 46'	--	11.3	89° 40'	+5.8	-5.5		505.9		-807	-573	909,139	565,944	MARSHALLVILLE - 7 1/2'
245	660		- - -	--	9.0	-	-	-9.0		502.4		-538	-382	909,403	566,157	FORT VALLEY West - 7 1/2'
246	330		- - -	--	8.3	-	-	-8.3		503.1		-269	-191	909,672	566,328	
HP	77		224° 21' 38"	--	5.7	-	-	-5.7		505.7	HP	-56	-52	909,885	566,467	HP - 909,910 x - 566,495 HP - 909,910 x - 566,495 HP - 909,910 x - 566,495 HP - 909,910 x - 566,495
247	0				5.1	-	-	-5.1		506.3	HP	0	0	909,941	566,519	
248	330		37° 21'	-1.4	5.1	TH	+1.7	-3.4		508.0		+267	+194	910,208	566,713	
249	660		- - -	--	7.1	TH	+3.3	-3.8		507.6		+534	+387	910,475	566,906	
250	990		- - -	--	7.8	TH	+5.0	-2.8		509.6		+801	+581	910,742	567,100	
251	1320		- - -	--	8.0	TH	+6.6	-1.4		510.0		+1069	+775	911,010	567,294	
252	1650		- - -	--	16.7	TH	+8.3	-2.4		509.0		+1336	+969	911,277	567,488	Macon County ↑
253	1980		37° 01'	-	8.1	-	-	-8.1		503.3		+1610	+1153	911,551	567,672	Peach County

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-29-85		B. Cotamp		K. Greenfield / D. Crane		6834		E.M.		21		19			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Fort Valley West-14		G.A.		Fort Macon-Peach								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									511.4						
TP	2134		36° 07' 25"	-1.4	9.3	-		-9.3		502.1	TP	+1754	+1216	911,695	567,735
TP	2134				9.2	270° -		-9.2			TP				
	1531		211° 53' 49"	--	+11.6	B.M.	+7.7	+19.3		521.4	BS	+1319	+777		
	1531				+11.5	B.M. 270° -	+7.7	+19.2			BS				
254	1365		213° 50'	-1.4	10.7	B.M.	-6.8	-17.5		503.9		-1152	-732	911,862	567,790
255	1074		221° 05'	--	13.0	-		-13.0		508.4		-827	-686	912,187	567,826
256	795		232° -	--	10.1	-		-10.1		511.3		-505	-614	912,509	567,898
257	484		241° 50'	--	8.1	-		-8.1		513.3		-239	-421	912,775	568,091
258	157		246° 05'	--	6.2	-		-6.2		515.2		-82	-134	912,932	568,378
B.M.	86		186° 47' 48"	--	5.9	-		-5.9		515.5	B.M.	-80	-8	912,934	568,504
π	0				5.1	-		-5.1		516.3	π	0	0	913,014	568,512
259	135		351° 55'	-1.4	4.7	89° 50'	+0.4	-4.3		517.1		+133	-22	913,147	568,490
260	465		- -	--	5.0	89° 50'	+1.4	-3.6		517.8		+459	-77	913,473	568,435
261	795		- -	--	6.0	89° 50'	+2.3	-3.7		517.7		+784	-131	913,798	568,381
262	1125		- -	--	7.0	89° 50'	+3.3	-3.7		517.7		+1110	-185	914,124	568,327
263	1455		351° 55'	--	10.1	89° 50'	+4.2	-5.9		515.5		+1435	-240	914,449	568,272
264	1885 ^{BEE.} 1785		- -	--	8.1	-		-8.1		513.3		+1761	-294	914,775	568,218
265	2108		350° 00' 22"	-	9.8	89° 48'	+7.4	-2.4		519.0	TP	+2066	-416	915,086	568,096
265	2108				9.7	270° 12'	+7.4	-2.3			TP				

9-912,950 x 568,520
B.M. U.S.G.S. EL. 516.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-29-85		B. Cotcamp		K. Greenfield/O. Crowe		6834		B.C.W.		21		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Fort Valley West-72		G.A.		Peach								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									519.0						
	1514		152° 57' 34"	-1.4	+9.9	-		+9.9	528.9		BS	+1331	-721		
	1514				+9.8	270°		+9.8		BS					
266	1185		152° 20'	--	10.3	-		-10.3		519.6		-1036	+576	915,375	567,951
IF	1005		152° 17' 30"	--	9.3	-		-9.3		519.6	IF	-878	+489	915,533	567,864
267	855		151° 10'	--	8.4	-		-8.4		520.5		-739	+431	915,672	567,806
268	526		149°	--	6.8	-		-6.8		522.1		-444	+282	915,967	567,657
269	198		143° 02'	--	5.8	-		-5.8		523.1		-155	+123	916,256	567,498
TP	0				5.1	-		-5.1		523.8	TP	0	0	916,411	567,375
270	132		314° 50'	-1.4	5.0	-		-5.0		523.9		+91	-96	916,502	567,279
271	462			--	8.1	-		-8.1		520.8		+318	-335	916,729	567,040
272	792			--	9.3	BH	-4.0	-13.3		515.6		+545	-575	916,956	566,800
273	1120		312° 10'	--	10.7	BH	-5.6	-16.3		512.6		+731	-848	917,142	566,527
274	1444		309° 40'	-1.4	11.0	-		-11.0		517.9		+894	-1134	917,305	566,241
275	1757		305° 45'	--	6.0	90° 14'	-7.2	-13.2		515.7		+991	-1451	917,402	565,924
276	2074		304° 50'	--	5.0	90° 10'	-6.0	-11.0		517.9		+1143	-1731	917,554	565,644
277 TP	2379		306° 36' 20"	--	4.7	90° 06'	-4.2	-8.9		520.0	TP	+1372	-1944	917,783	565,431
277 TP	2399				4.6	269° 54'	-4.2	-8.8			TP				
	1636		177° 27' 38"	-1.4	+9.1	-		+9.1	529.1		BS	+1632	-112		
	1636				+9.0	270°		+9.0		BS					
277	1618		177° 40'	--	9.2	-		-9.2		519.9		-1615	+105	917,800	565,424

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-29-85		B. Cotcamp		K. Greenfield		6834		B.C.W.		21		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Fort Valley West 17 1/2		G.A.		Peach								W. Cassidy	
STATION NO.	SLOPE 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
									529.1						
278	1320		183° 10'	-1.4	7.2	-		-7.2		521.9		-1319	-41	918,096	565,278
279	990		183° 30'	--	9.0	-		-9.0		520.1		-989	-36	918,426	565,283
280	660		-	--	6.8	-		-6.8		522.3		-660	-24	918,755	565,295
281	330		-	--	7.9	-		-7.9		521.2		-330	-12	919,085	565,307
282	0				5.1	-		-5.1		524.0	A	0	0	919,415	565,319
283	330		2° 25'	-1.4	7.9	-		-7.9		521.2		+330	+6	919,745	565,325
284	660		1° 34'	--	11.9	BH	-3.3	-15.2		513.9		+660	+2	920,075	565,321
TT	899		357° 01 06	--	9.2	-		-9.2		519.9	TT	+896	-69	920,311	565,250
TT	899				13.7	TH	+4.5	-9.2			TT				
K.	T-Intersect FL 525.0 (Screen)				920,300	X-563,210				525.0				920,300	563,210
BS	2392		179 16 20		+9.2	90 10'	+7.0	+16.2	541.0		TT	+2390	-97		
BS	2392				-1.6	8.9	269 50'	+7.0	+16.0		TT				
285	2310		179 10	--	14.0	-		-14.0		527.0		-2308	+98	920,382	563,211
286	1980		-	--	9.0	-		-9.0		532.0		-1978	+84	920,712	563,197
287	1650		-	--	6.7	-		-6.7		534.3		-1649	+70	921,041	563,183
288	1320		179 10	-1.6	6.0	-		-6.0		535.0		-1319	+56	921,371	563,169
289	990		-	--	9.2	-		-9.2		531.8		-989	+42	921,701	563,155
290	660		-	--	9.9	-		-9.9		531.1		-659	+28	922,031	563,141
291	330		-	--	5.0	TH	+1.7	-3.3		537.7		-330	+14	922,360	563,127
292	0				5.1	-		-5.1		535.9	A	0	0	922,690	563,113

Offset west 2040' same
 y-920,300 x-565,250
 TT Inter. EL. 520.0

y-920,300 x-563,210
 E. T-Inter. EL. 525.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-29-85		B. Cotcamp		K. Greenfield/D. Crowe		6834		B. Cotcamp		21		20			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Fort Valley West 1/2		GA.		Peach								W. Cassidy	
STATION NO.	SLOPE 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
									541.0						
293	330		353° 48'	-1.6	6.1	89° -	+5.8	-0.3		540.7		+327	-45	923.017	563,068
294	660		-	--	7.0	TH	+3.3	-3.7		537.3		+654	-90	923.344	563,023
295	990		-	--	5.0	TH	+5.0	+0.0		541.0		+981	-134	923.671	562,979
296	1320		-	--	6.6	TH	+6.6	+0.0		541.0		+1308	-179	923.998	562,934
297	1650		-	-1.6	12.7	89° 50'	+4.8	-7.9		533.1		+1635	-224	924.325	562,889
298	1980		-	--	19.6	89° 50'	+5.8	-13.8		527.2		+1962	-269	924.652	562,844
#	2287		353° 59' 28"	--	13.6	89° 50'	+6.7	-6.9		534.1	#	+2267	-303	924.957	562,810
299	2307		354° 00' 58"	--	13.8	89° 50'	+6.7	-7.1		533.9	TP	+2287	-304	924.977	562,809
299	2307				13.7	270° 10'	+6.7	-7.0			TP				
	757		184° 31' 20"	-1.6	4.6	88° -	-26.4	-21.8	512.1		BS	+756	+39		
	757				2.4	88° 10'	-24.2	-21.8			BS				
300	426		184° 35'	--	6.2	87° 40'	+17.3	+11.1		523.2		-425	-22	925.308	562,826
301	96		187° -	--	5.5	87° 20'	+4.5	-1.0		511.1		-96	-9	925.637	562,839
π	0				5.1	-		-5.1		507.0	π	0	0	925.733	562,848
302	234		17° 50'	-1.6	6.2	92° 20'	-9.5	-15.7		496.4		+225	+65	925.958	562,913
303	564		17° 20'	--	5.4	92° 20'	-22.9	-28.3		493.8		+543	+153	926.276	563,001
#	746		17° 04' 04"	--	5.0	92° -	-26.0	-31.0		491.1	#	+719	+199	926.452	563,047
304	892		16° 10'	--	10.1	92° 20'	-36.3	-46.4		465.7		+863	+224	926.596	563,072
305	1222		15° 40'	--	10.7	92° 10'	-46.2	-56.9		455.2		+1185	+297	926.918	563,145

115-924,960 x-562,810
 TP 4-way Inter. EL 535.0

115-926,490 x-563,035
 R.R. tracks

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-29-85		B. Cotamp		R. Greenfield		6834		B.C.W.		21		23			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Fort Valley West-7 1/2		G.A.		Peach								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									512.1						
306	1552		16 -	-1.6	8.2	91 1/2	-45.1	-53.3		458.8		+1503	+386	927,236	563,234
307	1881		16 25	--	7.1	91 -	-32.8	-39.9		472.2		+1818	+481	927,551	563,329
TP	2126		16° 28 47	--	1.4	90 40	-24.7	-26.1	}	486.0	TP	+2055	+546	927,788	563,394
TP	2126				1.3	269 20	-24.7	-26.0			TP				
	1000		198° 24 27	-1.6	+0.2	93 -	+52.3	+52.5	}	538.5	BS	+956	+289		
	1000				+8.9	92° 30'	+43.6	+52.5			BS				
308	916		197 30	--	10.9	92 30	-39.9	-50.8		487.7		-881	-251	927,863	563,432
309	587		196 10	--	9.8	93 30	-35.8	-45.6		492.9		-568	-148	928,176	563,535
310	261		201 55	--	11.0	93 30	-15.9	-26.9		511.6		-245	-91	928,499	563,592
π	0				5.1	-		-5.1		533.4	π	0	0	928,744	563,683
311	101		306 45	-1.6	7.1	-		-7.1		531.4		+58	-83	928,802	563,600
312	255		77° 45	--	5.0	89 -	+4.5	-0.5		538.0		+61	+248	928,805	563,931
TP	544		64° 22 59	--	8.0	88 20	+11.9	+6.7	}	545.4	TP	+249	+484	928,993	564,167
TP	544				12.1	88 -	+19.0	+6.9			TP				
	1344		197° 59 16	-1.6	+5.4	-		+5.4	}	550.7	BS	+1289	+379		
	1344				+5.3	270 -		+5.3			BS				
313	1318		197 50	--	5.3	-		-5.3		545.4		-1265	-368	929,017	564,198
314	990		198 -	--	7.2	-		-7.2		543.5		-950	-280	929,332	564,266
315	660		198 40	--	7.5	-		-7.5		543.2		-631	-194	929,651	564,352
1/4	840		198° 49 12	--	9.0	-		-9.0		541.7	1/4	-802	-249	929,480	564,297

1/4 929,495 x - 564,305
1/4 Hwy center

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-29-85		B. Cotcamp		K. Greenfield/D. Crane		6834		B. C. W.		21		24			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Fort Valley West-7 1/2		G.A.										W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC 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
									550.7						
316	330		198° 40'	-1.6	8.8	-		-8.8		541.9		-315	-97	929,967	564,449
317	0				5.1	-		-5.1		545.6	X	0	0	930,282	564,546
318	329		10° 20'	--	6.3	89° 20'	+3.8	-2.5		548.2		+325	+50	930,607	564,596
319	653		14° 50'	--	13.1	89° 20'	+7.6	-5.5		545.2		+636	+149	930,918	564,695
TP	802		12° 18' 09"	-	8.4	89° 30'	+7.0	-1.4		549.3	TP	+788	+149	931,070	564,695
TP	802				8.3	270° 30'	+7.0	-1.3			TP				
	1163		180° 11' 04"	-1.6	9.8	89°	-20.3	-10.5	538.8		BS	+1162	-29		
	1163				6.5	89° 10'	-16.9	-10.4			BS				
320	984		180° 15'	--	6.0	89° 10'	+14.3	+8.3		547.1		-984	+23	931,248	564,689
321	654		-	--	10.1	89° 10'	+9.5	-0.6		538.2		-654	+15	931,578	564,681
322	324		-	--	8.0	89° 20'	+3.8	-4.2		534.6		-324	+8	931,908	564,674
X	0				5.1	-		-5.1		533.7	X	0	0	932,232	564,666
323	69		251° 35'	-1.6	5.9	-		-5.9		532.9		-24	-65	932,208	564,601
324	399		-	--	5.0	-		-5.0		533.8		-137	-375	932,095	564,291
325	729		250° 18' 17"	--	9.6	-		-9.6		529.2	TP	-265	-679	931,967	563,987
325	729				13.2	74°	+3.6	-9.6			TP				
	1647		92° 24' 55"	-1.6	4.5	90° 40'	+19.2	+23.7	552.9		BS	+23	-1647		
	1647				4.4	269° 20'	+19.2	+23.6			BS				
326	1318		92° 15'	--	7.0	90° 40'	-15.3	-22.3		530.6		-15	+1318	931,975	563,658
327	989		92° 10'	-	7.0	92° 10'	-37.4	-44.4		508.5		-10	+989	931,980	563,329

Peach County
Crawford County
4-932,230 x -564,665
T-Inter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-29-85		B. Cotcamp		K. Greenfield/D. Coyle		6834		B.C.W.		21		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Fort Valley West-7 1/2		G.A.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE 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
									552.9						
328	660		92° 10'	-1.6	18.8	92° 10'	-24.9	-43.7		509.2		-7	+660	931,983	563,000
329	330		-	--	7.0	91° 10'	-6.7	-13.7		539.2		-3	+330	931,987	562,670
330	0				5.1	-		-5.1		547.8	TP	0	0	931,990	562,340
331	330		270° 56'	-1.6	7.9	93° 10'	-18.2	-26.1		526.4		-4	-330	931,986	562,010
332	660		-	--	11.3	93° 20'	-38.3	-49.6		503.3		-8	-660	931,982	561,680
TP	915		270° 59' 28"	--	1.8	92° 30'	-39.9	-41.7		511.3	TP	-10	-914	931,980	561,426
TP	915				6.9	92° 10'	-34.6	-41.5	-41.63		TP				
	333		125° 43' 43"	-1.6	8.1	93° 30'	+20.3	+28.4	539.7		BS	+186	-275		
	333				+9.0	93° 20'	+19.4	+28.4			BS				
333	254		126° 55'	-	5.7	93° 40'	-16.2	-21.9		517.8		-147	+207	932,019	561,358
TP	0				5.1	-		-5.1		534.6	TP	0	0	932,166	561,151
334	79		337° 45'	-1.6	5.9	87°	+4.1	-1.8		537.9		+72	-32	932,238	561,119
335	381		351° 28' 53"	--	5.4	87° 50'	+14.4	+9.0		548.7	TP	+375	-67	932,541	561,084
335	381				6.5	87° 40'	+15.5	+9.0			TP				
	1726		181° 43' 27"	--	6.2	-		+6.2	554.7		BS	+1726	+4		
	1726				+5.9	270°		+5.9	46.3		BS				
336	1396		181° 43'	-1.6	8.4	-		-8.4		546.3		-1396	-3	932,871	561,085
IF	1177		181° 51' 15"	--	7.4	B4	-5.9	-13.3		541.4	IF	-1177	-5	933,090	561,083
337	1066		181° 46'	-	9.7	-		-9.7		545.0		-1066	-1	933,201	561,087
338	736		-	-	10.8	B4	-3.7	-14.5		540.2		-736	-1	933,531	561,087

IF 9-933,065 x -561,070
IF T-2.2.2.1.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-29-85		B. Cotamp		K. Greenfield/D. Coone		6834		B. C. W.		21		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Fort Valley West-72		G.A.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE 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
									554.7						
339	405		181° 20'	-1.6	10.4	91°	-7.1	-17.5		537.2		-405	+2	933,862	561,090
340	74		173° 45'	--	6.0	91°	-1.3	-7.3		547.4		-73	+10	934,194	561,098
π	0				5.1	-		-5.1		549.6	π	0	0	934,267	561,088
341	256		3° -	-1.6	7.7	91°	-4.5	-12.2		542.5		+256	+6	934,523	561,094
342	585		1° 04'	--	10.9	92° 20'	-23.8	-34.7		520.0		+585	-5	934,852	561,083
343	915		- -	--	13.1	92° 20'	-37.2	-50.3		504.4		+915	-9	935,182	561,079
344	1245		0° 56'	--	13.0	90° 22'	-8.0	-21.0		533.7		+1245	-14	935,512	561,074
TP	1480		0° 58' 22"	--	13.5	90° 24'	-10.3	-73.8		530.9	π	+1480	-16	935,747	561,072
TP	1480				13.4	261° 36'	-10.3	-23.7			π				3-935,715 x -561,070 π 7 3/4 in. EL. 530.0
	730		122° 01' 21"	-1.6	+11.3	81°	-38.2	-26.9	504.0		BS	+369	-629		
	730				+11.2	273°	-38.2	-27.0			BS				
345	660		123° 10'	--	11.2	87°	+34.5	+23.3		527.3		-346	+562	935,770	561,005
346	330		124° 25'	--	5.1	87°	+17.2	+12.1		516.1		-179	+277	935,937	560,720
347	0				5.1	-		-5.1		498.9	π	0	0	936,116	560,443
348	330		304° 10'	-1.6	4.8	92°	-11.5	-16.3		487.7		+178	-278	936,294	560,165
349	660		- -	--	4.7	92°	-23.0	-27.7		476.3		+355	-556	936,471	559,887
350	990		- -	--	5.1	92°	-34.5	-39.6		464.4		+533	-834	936,649	559,609
351	1320		- -	--	5.7	92°	-46.0	-51.7		452.3		+711	-1112	936,827	559,331
TP	1541		304° 08' 52"	-	3.2	92°	-53.8	-57.0		447.1	TP	+829	-1298	936,945	559,145
TP	1541				12.0	91° 40'	-44.8	-56.8	-56.9		TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-29-85		B. Cotcamp		K. Greenfield/P. Coone		6834		B. Clark		21		27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Fort Valley West-7 1/2		G.A.		CRAWFORD								W. Cass, Jr	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y
									447.1						
	1378		144° 29' 27"	-1.6	+4.6	-		+4.6	451.6		BS	+1099	-831		
	1378				+4.4	270°		+4.4	453		BS				
352	1264		144° 20'	--	12.0	-		-12.0		439.6		-1000	+765	937,038	559,079
353	935		145° -	--	10.2	91° 10'	-19.0	-29.2		422.4		-751	+557	937,293	558,871
354	605		" "	--	10.4	92° 30'	-26.4	-36.8		414.8		-486	+361	937,558	558,675
TP	557		145° 54' 40"	-1.6	12.1	92° 30'	-24.3	-36.4		415.2		-452	+325	937,592	558,639
355	277		141° 45'	--	10.3	95° -	-24.0	-34.3		417.3		-213	+178	937,831	558,492
TP	0				5.1	-		-5.1		446.5	TP	0	0	938,044	558,314
356	61		295° 30'	-1.6	9.6	88° -	+2.1	-6.9		444.7		+4	-61	938,048	558,253
357	390		283° 10'	--	5.4	86° 40'	+22.6	+17.0		468.6		+78	-382	938,122	557,932
358	719		282° 35'	--	7.2	87° -	+37.6	+30.4		492.0		+137	-706	938,181	557,608
TP	950		281° 10' 01"	--	8.7	87° 20'	+44.2	+35.5		487.1	TP	+158	-936	938,202	557,378
TP	950				11.6	87° 10'	+47.0	+35.4			TP				
	979		92° 44' 05"	-1.6	+13.5	-		+13.5	500.6		BS	+19	-979		
	979				+2.0	269° 20'	+11.4	+13.4			BS				
359	882		92° 15'	--	7.0	90° 40'	-10.3	-17.3		483.3		-10	+882	938,211	557,281
360	552		93° 20'	--	9.0	92° -	-19.3	-28.3		472.3		-17	+552	938,204	556,951
361	225		98° 50'	--	9.4	92° -	-7.8	-17.2		483.4		-28	+223	937,173	556,622
TP	0				5.1	-		-5.1		495.5	TP	0	0	938,221	556,399
362	116		314° 30'	-1.6	5.3	85° -	+10.1	+4.8		505.4		+79	-85	938,300	556,314

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-29-85		B. Cotcamp		K. Greenfield		6834		B.C.K.		21		28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Fort Valley West-2 1/4		G.A.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC 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
									500.6						
363	445		308° 50'	-1.6	7.9	86° -	+31.0	+23.1		523.7		+269	-354	938,490	556,045
TP	668		310° 21' 34"	--	10.3	86° -	+46.6	+36.3		536.9	TP	+417	-520	938,638	555,879
TP	668				8.4	86° 10'	+44.7	+36.3			TP				
BS	550		149° 21' 46"	-1.6	+14.8	91° 10'	+11.2	+26.0	562.9		BS	+465	-293		
BS	550				+14.7	268° 50'	+11.2	+25.9			BS				
364	441		148° 35'	--	9.8	91° 10'	-9.0	-18.8		544.1		-370	+240	938,733	555,826
365	111		147° -	--	6.7	89° -	+1.9	-4.8		558.1		-91	+63	939,012	555,649
X	0				5.1	-		-5.1		557.8	X	0	0	939,103	555,586
366	225		350° -	-1.6	5.6	-		-5.6		557.3		+220	-45	939,323	555,541
367	555		349° -	--	6.8	-		-6.8		556.1		+542	-121	939,645	555,465
368	885		-	--	6.8	-		-6.8		556.1		+864	-193	939,967	555,393
369	1215		349° 15'	--	9.7	TH	+6.1	-3.6		559.3		+1187	-260	940,290	555,326
370	1545		-	--	5.1	-		-5.1		557.8		+1509	-330	940,612	555,256
TP371	1872		348° 52' 56"	--	5.3	-		-5.3		557.6	TP	+1826	-412	940,929	555,174
TP371	1872				5.2	270° -		-5.2			TP				
	1343		148° 38' 44"	-1.6	+11.5	BH	+6.7	+18.2	575.8		BS	+1127	-731		
	1343				+11.4	BH 210	+6.7	+18.1			BS				
372	1105		158° 44'	--	13.0	-		-13.0		562.8		-1018	+429	941,038	554,872
373	983		175° 40'	--	11.6	-		-11.6		564.2		-978	+102	941,078	554,545

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-29-85	INSTRUMENT MAN	B. Cotcamp	ROD MAN	K. Greenfield/D. Cline	PARTY NUMBER	6834	NOTES CHECKED BY	B. C. [Signature]	LINE NO.	21	PAGE	29	
AREA	Georgia	TOPO MAP	Fort Valley West-7 1/2	STATE	G.A.	COUNTY	CRAWFORD	TWP		RANGE		PPM	PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOTTING 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	
									575.8							
374	657		178° 50'	-1.6	9.2	-		-9.2		566.6		-656	+32	941,400	554,475	
375	330		183° 30'	-	6.6	-		-6.6		569.2		-330	-11	941,726	554,432	
376	0				5.1	-		-5.1		570.7	π	0	0	942,056	554,443	
377	330		11° 03'	-1.6	5.3	-		-5.3		570.5		+326	+54	942,382	554,497	
378	660		-	-	5.2	-		-5.2		570.6		+651	+108	942,707	554,551	
379	990		-	-	5.0	-		-5.0		570.8		+977	+163	943,033	554,606	
380	1320		-	-	5.0	-		-5.0		570.8		+1302	+217	943,358	554,660	
381	1650		-	-	12.4	TM	+8.3	-4.1		571.7		+1628	+271	943,684	554,714	
382	1980		11° 40'	-1.6	11.9	TM	+9.9	-2.0		573.8		+1950	+346	944,006	554,789	
383	2307		11° 17' 40"	-	11.4	TM	+9.9	-1.5		574.3		+1961	+335	944,017	554,778	944,035 x - 554,755 T - Inter. El. 573.0
TP	2680		15° 04' 14"	-1.9	11.3	89° 50'	+7.8	-3.5		572.3	TP	+2265	+438	944,321	554,881	
TP	2680				11.2	270° 10'	+7.8	-3.4			TP					
	2382		225° 01'	-	8.8	BH	+11.9	+20.7	592.8		BS	+1739	+1628			
	2382				8.5	BH 270°	+11.9	+20.4	+20.5 1/3		BS					
384	2439		224° 45'	-	8.4	BH	+12.2	-20.6		572.2		-1788	-1659	944,616	555,023	
385	2110		225° -	-	5.9	90° 30'	-18.4	-24.3		568.5		-1541	-1442	944,863	555,240	
386	1780		224° 38'	-	9.0	90° 30'	-15.5	-24.5		568.3		-1307	-1208	945,097	555,474	
387	1451		223° 58'	-	10.5	90° 30'	-12.7	-23.2		569.6		-1677	-972	945,327	555,710	
388	1121		223° 05'	-	9.3	90° 40'	-13.0	-22.3		570.5		-844	-738	945,560	555,944	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 3-29-85 INSTRUMENT MAN B. Cotcamp ROD MAN K. Greenfield PARTY NUMBER 6834 NOTES CHECKED BY B.C.W. LINE NO. 21 PAGE 30
 AREA GEORGIA TOPO MAP Fort Valley West-74 STATE G.A. COUNTY Crawford TWP RANGE PPM PARTY MANAGER W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									592.8					
389	792		220° 45'	-1.9	12.1	90° 40'	-9.2	-21.3		571.5		-617	-497	945.787 556,185
390	464		217° 50'	--	11.9	90° 40'	-5.4	-17.3		575.5		-376	-272	946,028 556,410
391	138		225° -	--	5.2	90° 40'	-1.6	-6.8		586.0		-101	-94	946,303 556,588
X	0				5.1	-		-5.1		587.7	X	0	0	946,404 556,682
392	218		1° 45'	-1.9	5.8	88° 40'	+5.1	-0.7		592.1		+218	-1	946,622 556,681
If	532		0° 40' 10"	--	7.1	89° 20'	+6.2	-0.9		591.9	If	+532	-11	946,936 556,671 If - 946,935 x .556,655 If - Inter.
393	547		1° 40'	--	7.4	89° 20'	+6.4	-1.0		591.8		+547	-2	946,951 556,680
394	876		0° 15'	--	5.5	-		-5.5		587.3		+876	-25	947,280 556,657
395	1206		359° 15'	-1.9	8.8	-		-8.8		584.0		+1205	-56	947,609 556,626
396	1536		358° 50'	--	11.8	-		-11.8		581.0		+1534	-82	947,938 556,600
397	1865		358° 40'	--	12.2	-		-12.2		580.6		+1862	-105	948,266 556,577
398	2195		358° 22'	--	11.8	TH	+11.0	-0.8		592.0		+2191	-135	948,595 556,547
399	2525		358° 20'	-	7.2	TH	+12.6	+5.4		599.2		+2520	-157	948,924 556,525
400	2855		358° 08' 05"	--	12.2	TH	+14.3	+2.1		595.0	TP	+2849	-187	949,253 556,495
400	2855				11.9	TH 210°	+14.3	+2.4	+22.3		TP			
											BS			
											BS			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-30-85		B. Cotcamp		K. Greenfield		6834		B. De		21		31			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Forest Valley West		G.A.		CRAWFORD								W. Cass, Jr	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC 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
									595.0						
	3555		166° 25' 10"	-1.9°	6.8	-		+6.8	601.7		BS	+3426	-949		
	3555				+6.5	270°		+6.5	46.7		BS				
401	3228		165° 43'	--	10.0	-		-10.0		591.7		-3100	+900	949,579	556,446
402	2898		-	--	10.3	-		-10.3		591.4		-2783	+808	949,896	556,354
403	2568		-	--	11.0	-		-11.0		590.7		-2466	+716	950,213	556,262
404	2238		165° 43'	-1.9°	3.8	90° 20'	-13.0	-16.8		584.9		-2149	+624	950,530	556,170
405	1908		-	--	7.5	90° 20'	-11.1	-18.6		583.1		-1832	+532	950,847	556,078
406	1879		166° 01' 20"	--	7.6	90° 20'	-10.9	-18.5		583.2	X	-1807	+514	950,872	556,060
406	1578		165° 43'	-	6.4	90° 20'	-9.2	-15.6		586.1		-1515	+440	951,164	555,956
407	1248		-	-1.9°	11.9	-		-11.9		589.8		-1199	+348	951,480	555,894
408	918		-	--	9.0	-		-9.0		592.7		-882	+256	951,797	555,802
409	588		-	--	6.2	-		-6.2		595.5		-565	+164	952,114	555,710
410	258		-	--	6.0	-		-6.0		595.7		-248	+72	952,431	555,618
X	0				5.1	-		-5.1		596.6	X	0	0	952,679	555,546
411	72		343° 43'	-1.9°	4.2	-		-4.2		597.5		+68	-22	952,747	555,524
412	400		336° 30'	--	6.2	TH	+2.0	-4.2		597.5		+361	-172	953,040	555,374
413	725		331° 03'	--	11.3	-		-11.3		590.4		+622	-372	953,301	555,174
414	1054		329° 35'	--	12.0	90° 30'	-9.2	-21.2		580.5		+891	-563	953,570	554,983
415	1383		330° 55'	--	9.0	90° 30'	-12.1	-21.1		580.6		+1186	-712	953,865	554,834

1/3 - 950,875 x - 556,030
1/5 - ziter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-30-85		B. Cotnam		R. Greenfield		6834		B. M. W.		21		32			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Knoxville - 7 1/2'		G.A.		Crawford								W. Casady	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									601.7						
TP	1680		333° 23' 10"	-1.9°	10.3	90° 10'	-4.9	-15.2		586.5	TP	+1476	-802	954,155	554,744
TP	1680				10.2	269° 56'	-4.9	-15.1			TP				
	2399		169° 53' 44"	--	+11.5	88° 40'	-55.8	-44.3	542.2		BS	+2346	-499		
	2399				+11.4	271° 20'	-55.8	-44.4			BS				
416	2375		169° 51'	-1.9°	10.8	88° 40'	+55.2	+44.4		586.6		-2323	+496	954,178	554,741
417	2645		169° 40'	--	8.1	88° 30'	+53.5	+45.4		587.6		-1999	+433	954,502	554,578
418	1715		169° 35'	--	9.1	88° 30'	+44.9	+35.8		578.0		-1676	+366	954,825	554,611
419	1385		169° 20'	--	11.9	88° 30'	+76.2	+24.3		566.5		-1352	+301	955,149	554,596
420	1055		169° 05'	-1.9°	13.0	88° 30'	+27.6	+14.6		556.8		-1029	+234	955,472	554,479
421	725		168° 25'	--	8.1	88° 50'	+14.8	+6.7		548.9		-705	+169	955,796	554,414
422	395		167° 10'	--	7.3	88° 50'	+9.0	+0.7		542.9		-382	+100	956,119	554,345
423	75		194° 10'	--	5.6	86° 50'	+4.1	-1.5		540.7		-73	-16	956,428	554,229
\bar{x}	0				5.1	-		-5.1		537.1	\bar{x}	0	0	956,501	554,245
424	282		318° 40'	-1.9°	2.9	89° 50'	+0.8	-2.1		540.1		+205	-193	956,706	554,052
425	611		320° 05'	--	4.8	89° 50'	+1.8	-3.0		539.2		+455	-407	956,956	553,838
426	941		319° 45'	--	7.1	89° 50'	+2.7	-4.4		537.8		+698	-631	957,199	553,614
427	1271		317° 15'	--	8.0	-		-8.0		537.2		+935	-861	957,436	553,384
428	1601		318° 48' 26"	--	10.3	90° 10'	-4.7	-15.0		527.2	TP	+1169	-1094	957,670	553,151
428	1601				10.2	269° 50'	-4.7	-14.9			TP				

Fort Valley West
Knoxville ↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3-30-85		B. C. Camp		K. Greenfield		6834		B.C.W.		21		33				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		Knoxville-7 1/2'		G.A.		Crawford								W. L. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									527.2							
	1651		136° 19' 52"	-1.9°	3.5	88° 50'	-33.6	-30.1	497.1		BS	+1156	-1179			
	1651				3.4	271° 10'	-33.6	-30.2		BS						
429	1320		135° 45'	--	9.8	88° 40'	+30.7	+20.9		518.0		-914	+952	957,912	552,924	
430	990		135° 15'	--	9.8	88° 40'	+23.0	+13.2		510.3		-680	+720	958,146	552,692	
431	660		135° -	--	8.8	88° 40'	+15.4	+6.6		503.7		-451	+482	958,375	552,454	
432	330		- -	-	7.0	88° 40'	+7.7	+0.7		497.8		-225	+241	958,601	552,213	
433	0				5.1	-		-5.1		492.0	π	0	0	958,826	551,972	
434	95		305° 44' 08"	-1.9	5.8	90° 40'	-1.1	-6.9		490.2	π	+53	-79	958,879	551,893	43 - 958,875 x - 551,905 4 way EL. 491.0
434	330		314° 12'	-	8.3	90° 40'	-3.8	-12.1		485.0		+222	-244	959,048	551,728	
435	660		- - -	--	7.0	91° 30'	-17.3	-24.3		472.8		+444	-488	959,270	551,484	Knoxville - 7 1/2' ↑
436	990		314° 09' 29"	-1.7	8.0	91° 50'	-31.7	-39.7		457.4	TP	+668	-730	959,494	551,242	Roberta - 7 1/2' ↓
436	990				8.0	268° 10'	-31.7	-39.7			TP					
	1315		126° 44' 30"	--	7.2	88° -	-45.9	-38.7	418.7		BS	+755	-1076			
	1315				7.1	272° -	-45.9	-38.8		BS						
437	986		125° 30'	--	7.9	88° -	+34.4	+26.5		445.2		-549	+819	959,700	550,985	
438	656		- - -	--	7.2	88° -	+22.9	+15.7		434.4		-365	+545	959,884	550,711	
439	328		130° 15'	-1.7	7.3	88° -	+11.4	+4.1		422.9		-204	+257	960,045	550,423	
440	0				5.1	-		-5.1		413.6	π	0	0	960,249	550,166	
441	329		334° 30'	--	7.5	-		-7.5		411.2		+293	-150	960,542	550,016	
442	658		338° 50'	-	5.7	711	+3.3	-2.4		416.3		+606	-256	960,855	549,910	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.30.85		B. Cotamp		K. Greenfield		6834		B. C. W.		21		34			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ROBERTA - 7 1/2'		G.A.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE 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
									418.7						
443	987		339° 59' 35"	-1.7'	9.7	TM	+4.9	-4.8	}	413.9	TP	+917	-365	961,166	549,801
443	987				9.7	TM 270	+4.9	-4.8		TP					
	1458		163° 00' 46"	.. +	5.8	88° 40'	-33.9	-28.1	}		BS	+1381	-467		
	1458				10.0	88° 30'	-38.2	-28.2		385.7	BS				
44	1181		163° 34' 52"	..	5.3	88° 48'	+24.7	+19.4		405.1	TP	-1122	+367	961,425	549,701
444	1128		163° -	..	6.3	88° 50'	+23.0	+16.7		402.4		-1068	+362	961,479	549,696
445	798		-	..	10.6	88° 50'	+16.2	+5.6		391.3		-756	+256	961,791	549,590
446	468		163° -	-1.7'	8.3	89° 20'	+5.4	-2.9		382.8		-443	+150	962,104	549,484
447	138		160° 30'	-	6.2	89° 20'	+1.6	-4.6		381.1		-129	+50	962,418	549,384
π	0				5.1	-		-5.1		380.6	π	0	0	962,547	549,337
448	197		2° 24'	..	8.0	90° 40'	-2.3	-10.3		375.4		+197	+2	962,744	549,336
449	527		-	..	10.9	91° -	-9.2	-20.1		365.6		+527	+6	963,074	549,340
450	857		-	..	12.3	91° -	-15.0	-27.3		358.4		+857	+10	963,404	549,344
451	1187		2° 24'	..	7.8	91° -	-20.9	-28.5		357.2		+1187	+15	963,734	549,349
452	1517		-	-1.7'	10.6	90° 40'	-17.6	-28.2		357.5		+1517	+19	964,064	549,353
453	1847		2° 10' 37"	..	6.7	90° 40'	-21.5	-28.2	}	357.6	TP	+1847	+15	964,394	549,349
453	1847				6.4	269° 20'	-21.5	-27.9		-28.12	TP				
	1276		169° 20' 19"	.. +	14.3	BH	+6.4	+20.7	}	378.3	BS	+1246	-273		
	1276				14.2	BH 270	+6.4	+20.6		BS					

± 5-961,430 x -549,705
± 4 way Inter. EL. 406.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-30-85		B. Cotcamp		K. Greenfield		6834		B.CW		21		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ROBERTA - 7 1/2'		G.A.		Crawford								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									378.3						
454	948		168° -	-1.7°	10.1	84	-4.7	-14.8		363.5		-921	+225	964.719	549,301
455	618		- -	--	10.7	-		-10.7		367.6		-600	+146	965.040	549,222
456	288		- .	--	10.7	-		-10.7		367.6		-280	+68	965.360	549,144
K	0				5.1	-		-5.1		373.2	K	0	0	965.640	549,076
457	50		24 25	-1.7	4.8	74	+0.3	-4.5		373.8		+46	+19	965.686	549,095
458	376		3° 20'	--	6.7	88	+13.1	+6.4		384.7		+376	+11	966.016	549,087
459	706		- .	--	6.8	88	+24.6	+17.8		396.1		+706	+20	966.346	549,096
46	1006		2° 18' 16"	-1.7°	8.6	88	+35.1	+26.5		404.8	46	+1005	+11	966.645	549,087
460	1036		3° 20'	--	9.3	88	+36.1	+26.8		405.1		+1036	+30	966.676	549,106
461	1366		- -	--	13.0	88	+47.6	+34.6		412.9		+1366	+39	967.006	549,115
462	1696		2° 20' 22"	--	7.4	88 20	+49.3	+41.9		420.2	TP	+1695	+19	967.335	549,095
462	1696				7.3	211 40	+49.3	+42.0			TP				
	2639		185° 24' 50"	-1.7	+10.6	-		+10.6	430.7		BS	+2633	+171		
	2639				+10.3	210 -		+10.3	410.5		BS				
463	2310		185° 25'	--	8.7	90° 10'	-6.7	-15.4		415.3		-2305	-150	967.663	549,116
464	1980		185° 43'	--	6.0	90° 30'	-17.3	-23.3		407.4		-1975	-139	967.993	549,127
465	1650		- -	--	13.0	90° 30'	-14.4	-27.4		403.3		-1646	-116	968.322	549,150
466	1320		- -	--	6.3	91°	-23.0	-29.3		401.4		-1317	-92	968.651	549,174
467	990		185° 50'	--	12.4	91 -	-17.3	-29.7		401.0		-987	-71	968.981	549,195
468	660		186° 20'	--	10.9	91 -	-11.5	-22.4		408.3		-658	-53	969.310	549,213

462 966.610 x - 549,096
462 4 WAY SW 1/4, EL. 405.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3-30-85		B. Cotcamp		K. Greenfield		6834		B.C.W.		21		36				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Georgia		ROBERTA-7 1/2'		G.A.		CLAWFORD								W. Cassidy		
STATION NO.	SLOPE 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
									430.7							
469	330		186° 20'	-1.7°	6.9	91° -	-5.8	-12.7		419.0		-329	-27	969,639	549,239	
470	0				5.1	-		-5.1		425.6	TP	0	0	969,968	549,266	
471	330		25° 44'	--	5.8	91° -	-5.8	-11.6		419.1		+301	+134	970,269	549,400	
472	660		-	--	9.4	91° -	-11.5	-20.9		409.9		+603	+269	970,571	549,535	
471	877		25° 00' 35"	-1.7°	8.0	91° -	-15.3	-23.3		407.4	TP	+805	+347	970,773	549,613	1/2 y-970,760 T-Inter. x-549,590
473	990		25° 44'	--	6.2	91° -	-17.3	-23.5		407.2		+904	+403	970,872	549,669	
474	1320		-	--	7.1	90° 30'	-11.5	-18.6		412.1		+1206	+538	971,174	549,804	
475	1650		-	--	5.7	BM	-8.3	-14.0		416.7		+1507	+672	971,475	549,938	
476	1980		25° 05'	--	12.9	-		-12.9		417.8		+1817	+786	971,785	550,052	
TP	2140		24° 17' 40"	--	13.2	-		-13.2		417.7	TP	+1976	+822	971,944	550,888	
TP	2140				12.9	270° -		-12.9	13.0±		TP					
	1148		187° 40' 36"	-1.7°	12.2	-		+12.2	429.9		BS	+1142	+120			
	1148				12.3	270° -		+12.3			BS					
477	981		187° 25'	--	12.9	-		-12.9		417.0		-976	-98	972,110	550,110	
478	651		187° 10'	--	10.8	-		-10.8		419.1		-648	-62	972,438	550,146	
479	321		-	--	11.1	-		-11.1		418.8		-320	-31	972,766	550,177	
480	0				5.1	-		-5.1		424.8	TP	0	0	973,088	550,208	
17	226		347° 17' 08"	-1.7°	0.2	TP	+1.1	+0.9		430.8	IF	+219	-56	973,306	550,152	1/2 y- T-Inter
481	300		13° 05'	--	7.2	87° -	+15.7	+8.5		438.4		+294	+59	973,300	550,267	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
4-2-85		B. Cotamp		K. Greenfield		6834		RWG		21		37				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		Roberta		-7 1/2'		G.A.		Crawford						W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									429.9							
482	604		30 20 13	-1.7	4.1	87° 10'	+29.9	+25.8	} 523.1		TP	+529	+289	973,615	550,497	
482	604				2.6	87° 20'	+28.1	+25.5			TP					
	2451		216 03 40	-1.5	+3.5	91° 30'	+64.1	+67.6			BS	+2018	+1390			
	2451				+3.6	208° 30'	+64.1	+67.7			BS					
483	2122		215 30	--	8.9	91° 30'	-55.5	-64.4		458.7		-1759	-1187	973,874	550,700	
484	1793		215 15	--	12.6	91° 30'	-46.9	-59.5		463.6		-1491	-996	974,142	550,891	
485	1463		--	--	13.1	91° 30'	-38.3	-51.4		471.7		-1216	-813	974,417	551,074	Roberta - 7 1/2'
486	1134		216 -	-1.5	9.7	92° 10'	-42.8	-52.5		470.6		-935	-642	974,698	551,245	Knoxville - 7 1/2'
487	805		215 25	--	8.3	93° 10'	-44.4	-52.7		470.4		-668	-449	974,965	551,438	
488	475		214 -	--	9.9	93° 10'	-26.2	-36.1		487.0		-401	-255	975,232	551,632	
489	148		205 25	--	7.1	93° 10'	-8.2	-15.3		507.8		-135	-60	975,498	551,827	
π	0				5.1	-		-5.1		518.0	π	0	0	975,633	551,887	
490	188		47 40	-1.5	4.3	88° 10'	+6.0	+1.7		524.8		+130	+136	975,763	552,023	
491	518		45 30	--	11.8	89° 10'	+7.5	-4.3		518.8		+373	+360	976,006	552,297	
TP	562		45 26 36	--	12.7	89° 10'	+8.2	-4.5	} 518.6		TP	+405	+390	976,038	552,277	
TP	562				12.8	270° 30'	+8.2	-4.6			TP					
	587		238 51 22	-1.5	+3.3	-		+3.3	} 521.9		BS	+317	+494			
	587				+3.4	270 -		+3.4			BS					
492	301		239 50	--	6.3	TH	+1.5	-4.8		517.1		-158	-256	976,197	552,515	
π	0				5.1	-		-5.1		516.8	π	0	0	976,355	552,771	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-2-85	INSTRUMENT MAN	B. C. Camp	ROD MAN	K. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	RUG	LINE NO.	21	PAGE	38	
AREA	GEORGIA	TOPO MAP	Knoxville - 7 1/2'	STATE	G.A.	COUNTY	Crawford	TWP		RANGE		PPM	PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									521.9					
493	40		91°	-1.5	5.1	-		-5.1		516.8		+0	+40	976,355 552,811
494	362		73°	--	6.8	89°	+6.3	-0.5		521.4		+115	+343	976,470 553,114
495	691		75° 10'	--	6.2	88° 40'	+16.1	+9.9		531.8		+194	+663	976,549 553,737
✓	869		73° 05' 44"	--	8.4	88° 40'	+20.2	+11.8		533.7	✓	+274	+824	976,629 553,595 } 976,629 x 553,600 - Int. EL 536.9
TP	907		74° 04' 09"	--	9.2	88° 40'	+21.1	+11.9		533.8	TP	+272	+865	976,627 553,636
TP	907				9.3	270° 20'	+21.1	+11.8			TP			
	1773		204° 18' 56"	-1.5	+2.7	-		+2.7	536.5		BS	+1634	+688	
	1773				+2.6	270°		+2.6			BS			
496	1650		204° 05'	--	6.7	-		-6.7		529.8		-1523	-634	976,738 553,690
497	1320		203° 50'	--	7.2	BH	-6.6	-13.8		522.7		-1221	-502	977,040 553,822
498	990		-	--	12.7	BH	-5.0	-17.7		518.8		-916	-376	977,345 553,948
499	660		204°	--	7.9	91°	-11.5	-19.4		517.1		-610	-253	977,651 554,071
500	330		-	--	11.3	-		-11.3		525.2		-305	-126	977,956 554,198
501	0				5.1	-		-5.1		531.4	X	0	0	978,261 554,324
502	330		32° 50'	-1.5	6.1	TH	+1.7	-4.4		532.1		+282	+172	978,543 554,496
503	660		33° 25'	--	6.0	-		-6.0		530.5		+560	+349	978,821 554,673
504	990		33° 40'	--	4.6	TH	+5.0	+0.4		536.9		+838	+527	979,099 554,851
505	1320		33° 55'	--	7.7	89° 30'	+11.5	+3.8		540.3		+1114	+708	979,375 555,022
TP	1454		33° 47' 33"	-	4.6	89° 40'	+8.5	+3.9		540.4	TP	+1229	+777	979,490 555,101
TP	1454				4.5	270° 20'	+8.5	+4.0			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-2-85	INSTRUMENT MAN	B. Cotcamp	ROD MAN	K. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	H.W. [Signature]	SHEET NO.	21	PAGE	39	
AREA	GEORGIA	TOPO MAP	KNOXVILLE - 7 1/2'	STATE	G.A.	COUNTY	CRAWFORD	TWP		RANGE		PPM	PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC 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.	
									540.4					
	1304		213° 39' 50"	-1.5	6.3	89° 58'	-0.8	+5.5	545.9		BS	+1104	+694	
	1304				6.2	270° 02'	-0.8	+5.4			BS			
506	1107		212° 55'	--	11.3	TH	+5.5	-5.8	540.1			-945	-577	979,649 555,218
51	912		212° 56' 26"	--	9.0	TH	+4.6	-4.4	541.5		TP	-778	-476	979,816 555,319 1/2 979,790 x = 555,310 1/2 T- Inter. El. 545.0
507	777		212° 55'	--	6.6	TH	+3.9	-2.7	543.2			-663	-405	979,931 555,390
508	448		214° 10'	--	4.7	TH	+2.2	-2.5	543.4			-377	-242	980,217 555,553
509	118		216° -	-	6.0	-	-	-6.0	539.9			-97	-67	980,497 555,728
TP	0				5.1	-	-	-5.1	540.8		TP	0	0	980,594 555,795
510	222		352° 30'	-1.5	9.2	-	-	-9.2	536.7			+219	-35	980,813 555,760
TP	478		345° 34' 40"	--	6.6	91° 10'	-9.7	-16.3	529.6		TP	+460	-131	981,054 555,664
TP	478				6.5	268° 50'	-9.7	-16.2			TP			
	896		162° 48' 42"	-1.5	4.3	TH	-4.5	-0.2	529.4		BS	+849	-287	
	896				7.6	89° 30'	-7.8	-0.2			BS			
511	825		163° 05'	--	6.0	89° 40'	+4.8	-1.2	528.2			-783	+261	981,120 555,638
512	495		163° 35'	--	8.1	89° 40'	+2.9	-5.2	524.2			-471	+152	981,432 555,529
513	166		158° 10'	--	8.2	87° 40'	+6.8	-1.4	528.0			-152	+66	981,751 555,443
TP	54		146° 25' 34"	-	3.5	87° 40'	+2.2	-1.3	528.1		TP	-44	+31	981,859 555,408 1/2 y = 981,875 x = 555,700 1/2 Hwy Inter. El. 530.0
TP	0				5.1	-	-	-5.1	524.3		TP	0	0	981,903 555,377
514	163		319° 25'	-1.5	8.9	94° -	-11.3	-20.2	509.2			+121	-109	982,021 555,268
515	493		316° 40'	--	5.5	94° -	-34.3	39.8	489.6			+350	-348	982,252 555,029

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-2-85		B. Stamp		K. Greenfield		6834		H/W		21		40			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGED	
Georgia		Knoxville - 7 1/2'		G.A.		Crawford								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC 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
									529.4						
TP	727		313° 46' 28"	-1.5	6.2	93° 30'	-44.4	-50.6		478.8	TP	+488	-537	982,391	554,840
TP	727				4.1	93° 40'	-46.5	-50.6			TP				
	753		120° 19' 34"	--	+8.6	88°	-26.3	-17.7	461.1		BS	+363	-659		
	753				+6.4	88° 10'	-24.1	-17.7			BS				
516	660		119° 45'	-1.5	7.1	88° 10'	+21.1	+14.0		475.1		-312	+581	982,442	554,762
517	330		--	--	7.1	88° 10'	+10.6	+3.5		464.6		-156	+291	982,598	554,472
518	0				5.1	-		-5.1		456.0	A	0	0	982,754	554,181
519	330		321° 35'	-1.5	10.0	91°	-5.8	-15.8		445.3		+253	-212	983,007	553,969
520	660		--	--	11.1	91°	-11.5	-22.6		438.5		+506	-424	983,260	553,757
521	990		--	--	7.9	91°	-17.3	-25.2		435.9		+759	-635	983,513	553,546
522	1320		--	--	6.0	91°	-23.0	-29.0		432.1		+1012	-847	983,766	553,334
523	1650		--	--	4.0	91°	-28.8	-32.8		428.3		+1266	-1059	984,020	553,122
TP	1837		320° 47' 46"	--	4.8	91°	-32.1	-36.9		424.2	TP	+1392	-1198	984,146	552,982
TP	1837				4.7	269°	-32.1	-36.8			TP				
	843		128° 50' 48"	-1.5	+2.3	89°	-14.7	-12.4	411.8		BS	+511	-670		
	843				+9.7	88° 30'	-22.1	-12.4			BS				
524	701		127° 45'	--	7.9	88° 40'	+16.3	+8.4		420.2		-415	+565	984,242	552,878
525	371		--	--	6.0	88° 40'	+8.6	+2.6		414.4		-219	+299	984,438	552,612
526	60		88° 40'	--	7.2	88° 40'	+1.4	-5.8		406.0		+3	+60	984,666	552,373
A	0				5.1	-		-5.1		406.7	A	0	0	984,65	552,313

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-2-85	INSTRUMENT MAN	B. Ctarp	ROD MAN	K. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	J. UGLE	LINE NO.	21	PAGE	41
AREA	GEORGIA	TOPO MAP	Knoxville - 74	STATE	G.A.	COUNTY	Crawford	RANGE		PPM		PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOTting 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	
									411.8							
527	332		9° -	-1.5°	9.1	89° 40'	+1.9	-7.2		4104.6		+329	+43	984.986	552,356	
528	662		9° 40'	--	7.2	89° 40'	+3.9	-3.3		408.5		+655	+94	985.312	552,407	
TP	919		11° 01' 10"	--	5.9	89° 40'	+5.3	-0.6		411.2	TP	+906	+152	985.563	552,465	
TP	99				5.8	270° 20'	+5.3	-0.5			TP					
	667		260° 53' 40"	-1.5°	11.2	91° 30'	+17.5	+28.7	439.9		BS	+629	+221			
	667				11.1	268° 30'	+17.5	+28.6			BS					
529	593		199° 25'	--	9.6	91° 50'	-19.0	-28.6		411.3		-564	-182	985.628	552,504	
530	264		194° 45'	--	11.7	91° 50'	-8.4	-20.1		419.8		-257	-61	985.935	552,625	
X	0				5.1	-		-5.1		434.9	X	0	0	986.192	552,686	
531	65		356° 20'	-1.5°	6.0	86° 50'	+3.6	-2.4		437.5		+65	-6	986.257	552,690	
IF	288		353° 10' 52"	--	5.1	88° 50'	+5.9	+0.8		440.7	IF	+285	-42	986.477	552,644	IF - 986.470 x - 552.630 IF - Int. El. 442.0
532	395		353° 30'	--	6.4	89° -	+6.9	+0.5		440.4		+391	-55	986.583	552,631	
533	724		352° 05'	--	8.8	89° 30'	+6.3	-2.5		437.4		+714	-118	986.906	552,564	
TP	1002		352° 06' 23"	--	15.1	TH	+5.0	-10.1		429.8	TP	+989	-164	987.181	552,522	
TP	1002				14.2	89° 46'	+4.1	-10.1			TP					
	1413		152° 34' 23"	-1.5°	9.9	89° 38'	-9.0	+0.9	430.7		BS	+1237	-683			
	1413				9.8	270° 22'	-9.0	+0.8			BS					
534	1360		152° -	--	6.2	89° 50'	+4.0	-2.2		428.5		-1184	+670	987.234	552,509	
535	1039		148° 50'	--	6.0	90° 20'	-6.0	-12.0		418.7		-875	+561	987.543	552,400	
536	709		148° 55'	--	9.7	90° 40'	-8.2	-17.9		412.8		-597	+382	987.821	552,321	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE				
4-2-85		B. Cotcamp		K. Greenfield/D. Crowe		6834		XUG		21		42				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		KNOXVILLE - 7 1/2'		G.A.		Crawford								W. Cass, Jr.		
STATION NO.	SLOPE 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
									430.7							
IF	588		150° 39' 40"	-1.5	11.0	90° 40'	-6.8	-17.8		412.9	IF	-505	+301	987,913	552,140	Y-987,910 X-552,110 T-Inter.
537	379		150° 25'	--	11.4	90° 40'	-4.4	-15.8		414.9		-325	+196	988,090	552,035	
538	62		118° 10'	--	5.7	90° 40'	-0.7	-6.4		424.3		-28	+55	988,390	551,894	
TP	0				5.1	-		-5.1		425.6	TP	0	0	988,418	551,839	
539	293		354° 55'	-1.5	7.0	87° 40'	+11.9	+4.9		435.6		+291	-34	988,709	551,805	
540	623		355° 30'	--	9.8	87° 40'	+25.3	+15.5		446.2		+620	-65	989,030	551,774	
541	950		358° 21' 47"	--	12.2	87° 54'	+34.8	+22.6		453.3	TP	+948	-52	989,360	551,787	
541	950				12.1	272° 06'	+34.8	+22.7			TP					
	991		184° 39' 33"	-1.5	4.8	91° 0'	+17.3	+22.1	475.4		BS	+989	+55			
	991				4.7	269° -	+17.3	+22.0			BS					
542	660		184° 10'	--	5.9	91° 0'	-11.5	-17.4		458.0		-659	-31	989,696	551,811	
543	330		-	--	5.9	91° 0'	-5.8	-11.7		463.7		-330	-15	990,025	551,827	
544	0				5.1	-		-5.1		470.3	TP	0	0	990,355	551,842	
545	330		4° 40'	-1.5	5.1	88° -	+11.5	+6.4		481.8		+330	+18	990,685	551,860	
TP	455		3° 02' 22"	--	4.4	88° 0'	+15.9	+11.5		486.9	TP	+455	+12	990,810	551,854	Y-990,825 X-551,855 T-Inter.
546	577		13° 30'	--	7.6	88° 0'	+20.1	+12.5		487.9		+564	+120	990,919	551,962	
TP	815		2° 37' 03"	--	14.2	88° 0'	+28.4	+14.2		489.6	TP	+814	+16	991,169	551,858	
TP	815				14.1	272°	+28.4	+14.3			TP					
	2018		185° 05' 10"	-1.5	12.3	89° 34'	+20.0	+32.3	521.9		BS	+2014	+126			
	2018				12.2	269° 26'	+20.0	+32.2			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
4-2-85		B. Cotcamp		K. Greenfield/D. Casme		6834		1/100		21		43			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Knoxville-74'		G.A.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE 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
									521.9						
547	1981		184° 49'	-1.5	10.8	90° 36'	-20.7	-31.5		490.4		-1978	-115	991,205	551,869
548	1650		- -	--	7.7	90° 36'	-17.3	-25.0		496.9		-1647	-95	991,536	551,889
549	1320		185° 05'	--	11.0	BH	-6.6	-17.6		504.3		-1317	-83	991,866	551,701
550	990		185° 55'	--	11.5	-	-	-11.5		510.4		-987	-76	992,196	551,908
551	660		186° 10'	--	8.8	-	-	-8.8		513.1		-658	-54	992,525	551,930
552	330		- -	--	6.9	-	-	-6.9		515.0		-329	-27	992,854	551,757
553	0		- -	--	5.1	-	-	-5.1		516.8	TP	0	0	993,183	551,984
554	330		7° 20'	-1.5	7.0	89° -	+5.8	-1.2		520.7		+328	+34	993,511	552,018
555	660		7° 10'	--	6.3	TH	+3.3	-3.0		518.9		+657	+65	993,840	552,049
556	990		- -	--	9.0	-	-	-9.0		512.9		+985	+98	994,168	552,082
557	1320		6° 40'	--	11.2	TH	+6.6	-4.6		517.3		+1315	+119	994,498	552,103
558	1649		4° 52' 27"	--	5.6	89° 34'	+12.5	+6.9		528.8	TP	+1646	+97	994,829	552,081
558	1649		- -	--	5.5	270° 26'	+12.5	+7.0			TP				
	879		177° 08' 50"	-1.5	12.7	91° 30'	+23.0	+35.7	564.5		BS	+876	-67		
	879		- -	--	12.7	268° 30'	+23.0	+35.7			BS				
559	548		177° 08'	--	9.2	91° 10'	-11.2	-20.4		544.1		-546	+42	995,159	552,056
560	217		- -	--	6.6	90° 10'	-0.6	-7.2		557.3		-216	+17	995,489	552,031
TP	0		- -	--	5.1	-	-	-5.1		559.4	TP	0	0	995,705	552,044
561	114		358° 55'	--	6.3	90° 10'	-0.3	-6.6		559.9		+114	-5	995,819	552,009
562	444		- -	--	10.2	90° 10'	-1.3	-11.5		553.0		+444	-20	996,149	551,994

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-2-85		B. Cotcamp		K. Greenfield/D. Crow		6834		KWB		21		44			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Knoxville - 7 1/2'		G.A.		Crawford								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									564.5						
563	774		358° 55'	-1.5	4.4	90° 10'	-2.3	-6.7		557.8		+773	-35	996,478	551,979
564	1104		- -	--	11.2	89° 20'	+12.8	+1.6		566.1		+1103	-50	996,808	551,964
565	1434		- -	--	6.9	89° 20'	+16.7	+9.8		574.3		+1433	-65	997,138	551,949
566	1765		359° -	-1.5	7.3	89° 10'	+25.7	+18.4		582.9		+1763	-77	997,468	551,937
11-	1977		359° 11 32	--	5.3	89° 10'	+28.7	+23.4		587.9	11-	+1975	-80	997,680	551,934
567	2096		359° 28 56	--	5.7	89° 10'	+30.5	+24.8		589.3	TP	+2094	-74	997,799	551,940
526	2096				5.6	270° 50'	+30.5	+24.9			TP				
	2754		186° 08 04	-1.5	14.6	BH	+13.8	+28.4	617.6		BS	+2745	+223		
	2754				14.3	BH 270	+13.8	+28.1	28.3		BS				
568	2423		185° 35	--	7.2	90° 30'	-21.2	-28.4		589.2		-2417	-173	998,127	551,990
569	2093		185° 30	--	11.5	90° 30'	-18.3	-29.8		587.8		-2688	-146	998,456	552,017
570	1763		185° 40	--	6.4	90° 50'	-25.6	-32.0		585.6		-1758	-128	998,786	552,035
571	1432		186° 20	-1.5	5.6	91° 10'	-29.2	-34.8		582.8		-1427	-121	999,117	552,042
572	1103		186° 40	--	12.2	91° 10'	-22.5	-34.7		582.9		-1099	-99	999,445	552,061
573	772		186° 15	--	9.1	91° 30'	-20.2	-29.3		588.3		-769	-64	999,775	552,099
574	443		183° 55	--	8.3	91° 30'	-11.6	-19.9		597.7		-443	-19	1,000,101	552,144
575	112		180° 35	--	7.0	-		-7.0		610.6		-112	+2	1,000,432	552,165
π	0				5.1	-		-5.1		612.5	π	0	0	1,000,544	552,163
576	219		352° 45	-1.5	5.8	-		-5.8		611.8		+216	-33	1,000,760	552,130
577	549		352° 50	--	5.4	-		-5.4		612.2		+543	-83	1,001,087	552,080

y-997,680 x-551,940
11-T-TRAIL EL. 588.0

KNOXVILLE - 7 1/2' ↑
MORAN - 7 1/2'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-2-85		B. Cotcamp		K. Greenfield		6834		KWB		21		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MOHAN-7 1/2'		G.A.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									617.6						
578	879		352° 55'	-1.5	6.4	71°	+4.4	-2.0		615.6		+869	-131	1,001,413	552,032
579	1209		-	--	4.0	71°	+6.0	-2.0		615.6		+1195	-180	1,001,739	551,983
1/4	1358		352° 23 14	--	10.3	89° 20'	+15.8	+5.5		623.1	1/4	+1341	-215	1,001,885	551,948 1/4 T-Inter.
580	1539		352° 45'	--	9.3	89° 20'	+17.9	+8.6		626.2		+1521	-234	1,002,065	551,929
581	1869		352° 40'	-1.5	5.6	89° 20'	+21.7	+16.1		633.7		+1847	-287	1,002,391	551,876
582	2199		352° 30'	--	12.7	89°	+38.4	+25.7		643.3		+2172	-344	1,002,716	551,819
583	2529		-	--	3.0	89°	+44.1	+41.1		658.7		+2498	-396	1,003,042	551,767
584	2859		352° 28'	--	6.0	88° 40'	+66.5	+60.5		678.1		+2824	-449	1,003,368	551,714
585	3189		352° 42'	-1.5	9.1	88° 24'	+89.0	+79.9		697.5		+3151	-488	1,003,695	551,675
586	3519		352° 58'	--	8.0	88° 20'	+102.3	+94.3		711.9		+3480	-522	1,004,024	551,641
3/4	3540		352° 54 29	--	8.5	88° 20'	+102.9	+94.4		712.0	3/4	+3499	-529	1,004,043	551,634 3/4 1,004,050 x 551,635 1/4 4 W.P. 720. EL. 712.0
TP	3564		352° 53 05	-	9.0	88° 20'	+103.7	+94.7			TP	+3522	-534	1,004,066	551,629
TP	3564				8.7	271° 40'	+103.7	+95.0	+94.83	712.4	TP				
	1418		179° 24 15	-1.5	14.9	85° 40'	-107.1	-92.2	620.2		BS	+1413	-52		
	1418			+	14.8	274° 20'	-107.1	-92.3			BS				
587	1134		178° 44'	--	9.2	86° 10'	+75.6	+66.4		696.6		-1133	+55	1,004,346	551,632
588	804		-	--	6.6	86° 34'	+48.1	+41.5		661.7		-803	+39	1,004,676	551,616
589	474		179° 05'	✓	8.0	87° 06'	+24.2	+16.2		636.4		-474	+20	1,005,005	551,597
590	144		182° 30'	--	6.7	87° 30'	+6.3	-0.4		619.8		-144	-3	1,005,335	551,574
π	0				5.1	-	-	-5.1		615.1	π	0	0	1,005,479	551,577

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	4-2-85	INSTRUMENT MAN	B. Colcamp	ROD MAN	K. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	K. W.	SHEET NO.	21	PAGE	46	
AREA	GEORGIA	TOPO MAP	MORAN - 7 1/2'	STATE	G.A.	COUNTY	CRAWFORD	TWP		RANGE		PPM	PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									620.2					
591	191		344° 20'	-1.5	6.2	89° 30'	+11.7	-4.5		615.7		+182	-56	1,005,661 551,521
592	519		342° 30'	--	6.4	88° 10'	+16.6	+10.2		630.4		+491	-169	1,005,970 551,408
593	849		341° 30'	--	6.3	87° 50'	+32.1	+25.8		646.0		+798	-290	1,006,277 551,287
TP	932		341° 22' 19"	--	8.6	87° 34'	+39.6	+31.0		651.2	TP	+874	-320	1,006,353 551,257
TP	932				8.5	272° 26'	+39.6	+31.1			TP			
	1238		180° 11' 35"	-1.5	0.4	88° -	-43.2	-42.8	608.4		BS	+1237	-28	
	1238				+0.3	272° -	-43.2	-42.9			BS			
594	990		180° 15'	--	7.9	88° 10'	+31.7	+23.8		632.2		-990	+22	1,006,600 551,551
595	726		180° 46' 51"	--	9.5	88° 10'	+23.2	+13.7		622.1	595	+726	+9	1,006,864 551,238
595	660		180° 15'	--	9.8	88° 10'	+21.1	+11.3		619.7		-660	+14	1,006,930 551,243
596	330		- -	--	9.0	88° 30'	+8.6	-0.4		608.0		-330	+7	1,007,260 551,236
597	0				5.1	-	-	-5.1		603.3	TP	0	0	1,007,590 551,229
598	330		2° 05'	-1.5	5.5	-	-	-5.5		602.9		+330	+3	1,007,920 551,232
599	660		2° 45'	--	6.7	-	-	-6.7		601.7		+660	+14	1,008,250 551,243
600	989		0° 56' 03"	--	14.4	90° 20'	-5.8	-20.2		588.2	TP	+989	-10	1,008,579 551,219
600	989				14.3	269° 40'	-5.8	-20.1			TP			
	1311		158° 01' 43"	-1.5	9.1	88° 20'	-34.3	-25.2	563.0		BS	+1202	-522	
	1311				+9.0	271° 30'	-34.3	-25.3			BS			
601	988		157° 30'	--	12.0	88° 40'	+23.0	+11.0		574.0		-903	+402	1,008,878 551,099 MORAN - 7 1/2'
602	658		159° 35'	--	8.7	88° 40'	+15.3	+6.6		569.6		-610	+246	1,009,171 550,943 CULLODEN - 7 1/2'

Y = 1,006,875 X = 551,235
T - INTER. EL. 622.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-2-85		B. Cotcamp		K. Greenfield		6834		SWC		21		47			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		CULLODEN-7 1/2		G.A.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									563.0						
603	330		158° 30'	-1.5°	6.1	88° 40'	+7.7	-11.6		564.6		-304	+129	1,009,477	550,826
604	0				5.1	-		-5.1		557.9	X	0	0	1,009,781	550,697
605	330		339° 50'	--	5.3	92° 30'	-14.4	-19.7		543.3		+307	-122	1,010,088	550,575
606	660		339° -	--	16.4	93° 10'	-36.4	-52.8		510.2		+610	-253	1,010,391	550,444
TP	712		338° 53' 33"	~	13.7	93° 10'	-39.3	-53.0		510.0	TP	+656	-273	1,010,437	550,424
TP	712				13.6	266° 50'	-39.3	-52.9			TP				
	765		172° 07' 46"	-1.5°	+4.7	91° 40'	+22.2	+26.9	536.9		BS	+754	-125		
	765				+4.6	268° 20'	+22.2	+26.8			BS				
607	483		170° 50'	~	9.1	93° -	-25.2	-34.3		502.6		-475	+89	1,010,716	550,388
608	153		172° -	--	8.5	93° -	-8.0	-16.5		520.4		-151	+25	1,011,040	550,324
X	0				5.1	-		-5.1		531.8	X	0	0	1,011,191	550,299
609	178		359° 35'	-1.5°	11.0	-		-11.0		525.9		+178	-6	1,011,369	550,293
610	508		" "	--	8.2	-		-8.2		528.7		+508	-17	1,011,699	550,282
611	838		" "	--	10.2	89° -	+14.6	+4.4		541.3		+838	-28	1,012,029	550,271
TP	1078		359° 39' 14"	--	6.2	89° 20'	+12.5	+6.3		543.2	TP	+1077	-35	1,012,268	550,264
TP	1078				6.1	270° 40'	+12.5	+6.4			TP				
	299		211° 10' 44"	-1.5°	0.6	-		+0.6	543.8		BS	+260	+148		
	299		" "		0.5	270° -		+0.5			BS				
612	202		213° -	~	6.4	88° 50'	+4.1	-2.3		541.5		-172	-106	1,012,356	550,306
X	0				5.1	-		-5.1		538.7	X	0	0	1,012,528	550,412

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-2-85		B. Cotcamp		K. Greenfield/D. Grouse		6834		W. Cassidy		21		48			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Culloden - 7 1/2'		G.A.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									543.8						
613	129		44° 40'	-1.5	9.8	94° 50'	-10.8	-20.6		523.2		+94	+88	1,012,622	550,500
614	459		42° 50'	--	11.1	94° 50'	-38.5	-49.6		494.2		+345	+303	1,012,873	550,915
615	789		41° 33' 58"	--	1.7	93° 50'	-52.7	-54.4		489.4	TP	+602	+507	1,013,130	550,919
615	789				4.0	93° 40'	-50.5	-54.5			TP				
	631		213° 36' 21"	-1.5	4.0	93° 10'	+34.9	+38.9	528.3		BS	+534	+335		
	631				2.2	93° 20'	+36.7	+38.9			BS				
616	301		211° 40'	--	9.7	93° 20'	-17.5	-27.2		501.1		-260	-151	1,013,404	551,103
	π				5.1	-		-5.1		523.2	π	0	0	1,013,664	551,254
617	35		354° 20'	--	6.4	89° 20'	+0.4	-6.0		522.3		+35	-4	1,013,699	551,250
618	362		9° 55'	-1.5	6.4	89° 20'	+4.2	-2.2		526.1		+358	+53	1,014,022	551,307
619	692		--	--	10.8	89° 40'	+4.0	-6.8		521.5		+685	+101	1,014,349	551,355
620	1022		--	--	12.9	89° 40'	+5.9	-7.0		521.3		+1011	+150	1,014,675	551,404
621	1352		--	--	10.9	89° 40'	+7.9	-3.0		525.3		+1337	+198	1,015,001	551,452
622	1682		--	--	6.0	89° 40'	+9.8	+3.8		532.1		+1664	+246	1,015,328	551,500
623	2014		9° 26' 09"	--	7.7	89° 24'	+21.1	+13.4		541.7	TP	+1995	+278	1,015,659	551,532
623	2014				7.8	270° 36'	+21.1	+13.3			TP				
	613		182° 09' 44"	-1.5	9.8	87° 40'	-25.0	-15.2	526.5		BS	+612	+7		
	613				9.1	87° 44'	-24.2	-15.1			BS				
624	283		182° 10'	--	6.7	86° 40'	+16.4	+9.7		536.2		-283	-3	1,015,988	551,536
	π				5.1	-		-5.1		521.4	π	0	0	1,016,271	551,539

CULLODEN - 7 1/2'
MORAN - 7 1/2'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-2-85		B. Cotcamp		K. Greenfield/D. Crowe		6834		B. C.		21		49			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		NSRAN-74'		G.A.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									526.5						
625	48		8° -	-1.5	6.8	92° 40'	-2.2	-9.0		517.5		+48	+5	1,016,319	551,544
626	378		- -	-	4.2	92° 40'	-17.6	-21.8		504.7		+376	+43	1,016,647	551,582
627	708		- -	-	11.1	91° -	-12.4	-23.5		503.0		+703	+80	1,016,974	551,619
628	1038		- -	-	12.1	90° 30'	-9.1	-21.2		505.3		+1031	+118	1,017,302	551,657
629	1368		8° -	-1.5	6.2	96° 30'	-11.9	-18.1		508.4		+1359	+155	1,017,630	551,694
630	1698		- -	-	11.7	TH	+8.5	-3.2		523.3		+1687	+192	1,017,958	551,731
631	2028		8° 10'	-	10.2	89° 30'	+17.7	+7.5		534.0		+2014	+235	1,018,285	551,774
TP	2211		7° 40' 38"	-1.7°	7.3	89° 24'	+23.2	+15.9		542.4	TP	+2199	+230	1,018,470	551,769
TP	2211				7.2	270° 36'	+23.2	+16.0			TP				
	926		183° 27' 44"	-	9.8	92° 50'	+45.8	+55.6	598.0		BS	+924	+28		
	926				+12.4	92° 40'	+43.1	+55.5			BS				
632	781		183° 07'	-1.7°	11.0	92° 40'	-36.3	-47.3		550.7		-781	-19	1,018,613	551,778
633	451		- -	-	7.8	92° 40'	-21.0	-28.8		569.2		-451	-11	1,018,943	551,786
634	121		- -	-	5.4	92° 40'	-5.6	-11.0		587.0		-121	-3	1,019,273	551,794
π	0				5.1	-		-5.1		592.9	π	0	0	1,019,394	551,797
635	216		305° 25'	-1.7°	7.0	89° 30'	+1.9	-5.1		592.9		+120	-180	1,019,514	551,617
636	546		- -	-	11.1	89° 30'	+4.8	-6.3		591.7		+303	-454	1,019,697	551,343
637	876		- -	-	4.6	89° 30'	+7.6	+3.0		601.0		+486	-729	1,019,880	551,068
TP	1165		305° 24' 04"	-	7.8	89° 20'	+13.6	+5.8		603.8	TP	+646	-969	1,020,040	550,828
TP	1165				7.7	270° 40'	+13.6	+5.9			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-2-85		B. Cotcamp		R. Greenfield / D. Crowe		6834		B.C.		21		50			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MORAN-7 1/2'		GA.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									603.8						MORAN-7 1/2'
	532		183° 54' 36"	-1.7°	+9.4	88°	-18.6	-9.2	594.6		BS	+531	+21		
	532				+9.3	270°	-18.6	-9.3			BS				
638	494		187° 10'	--	6.2	88° 26'	+13.5	+7.3	601.9			-492	-47	1,020,079	550,802
1 1/2	298		225° 48' 42"	--	6.2	89°	+5.2	-1.0	593.6	1 1/2		-214	-207	1,020,357	550,642
639	254		222° 45'	--	8.3	88° 30'	+6.6	-1.7	592.9			-192	-167	1,020,379	550,682
	0				5.1	-		-5.1	589.5		X	0	0	1,020,571	550,849
640	76		43° 11'	-1.7°	6.2	89° 30'	+0.9	-5.5	589.1			+57	+50	1,020,628	550,899
641	406		- -	-	5.3	89° 30'	+3.5	-1.9	592.8			+304	+269	1,020,875	551,118
642	735		43° 21' 21"	-	3.1	-		-3.1	591.5		TP	+549	+489	1,021,120	551,338
642	735				6.7	TM	+3.7	-3.0			TP				
	371		225° 55' 48"	-1.7°	9.3	-		+9.3	600.8		BS	+266	+259		
	371				+11.1	TM	-1.9	+9.2			BS				
643	110		166° 50'	--	8.9	91°	-1.9	-10.8	590.0			-106	+28	1,021,280	551,625
	0				5.1	-		-5.1	595.7		X	0	0	1,021,386	551,597
644	101		294° 20'	-1.7°	6.0	88° 40'	+2.3	-3.7	597.1			+39	-93	1,021,425	551,504
1 1/2	168		115° 00' 58"	-	6.7	91°	-2.9	-9.6	591.2	1 1/2		-66	+154	1,021,320	551,751
645	423		294° 55'	-	14.5	89° 50'	+1.2	-13.3	587.5			+167	-389	1,021,553	551,208
646	753		- -	-	9.6	90° 20'	-4.4	-14.0	586.8			+297	-692	1,021,683	550,905
TP	966		294° 41'	-	9.1	-		-9.1	591.7		TP	+377	-889	1,021,763	550,708
TP	966				9.0	270°	-	-9.0			TP				

Y-1,024,335 X-550,640
T-Inter. EL. 594.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-3-85		B. Stamp		K. Greenfield		6834		B. Stamp		21		51			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		MORAN-7 1/2' Curlews		G.A.		Crawford								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									591.7						
	451		135° 26' 20"	-1.7°	13.7	85° 15'	-38.0	-24.3	567.4		BS	+311	-325		
	451			+	13.6	274° 50'	-38.0	-24.4			BS				
647	330		136° 40'	-	6.6	85° 50'	+23.9	-17.3		550.1		-233	+233	1,021,841	550,616
648	0				5.1	-		-5.1		562.3	T	0	0	1,022,074	550,383
649	330		324° 41'	-1.7°	6.2	94° -	-23.0	-29.2		538.2		+263	-199	1,022,337	550,184
650	660		323° 14'	-	8.3	93° 30'	-40.2	-48.5		518.9		+517	-411	1,022,591	549,972
651	988		322° 49'	-	2.7	93° 30'	-60.2	-62.9		504.5		+769	-620	1,022,843	549,763
TP	1055		323° 01' 52"	-	15.2	92° 30'	-46.0	-61.2		506.2	TP	+823	-659	1,022,897	549,724
TP	1055				15.3	267° 30'	-46.0	-61.3			TP				
	350		170° 47' 18"	-1.7°	15.1	-		+15.1	521.3		BS	+344	-66		
	350			+	13.3	BH	+1.8	+15.1			BS				
652	85		171° 35'	-	2.6	-		-2.6		518.7		-84	+15	1,023,157	549,673
T	0				5.1	-		-5.1		516.2	T	0	0	1,023,241	549,658
653	245		350° -	-1.7°	4.0	93° 30'	-14.9	-18.9		502.4		+240	-50	1,023,481	549,608
TP	433		346° 24' 02"	-	7.5	92° 30'	-18.9	-26.4		494.9	TP	+417	-114	1,023,658	549,544
TP	433				7.6	267° 30'	-18.9	-26.5			TP				
	897		154° 48' 24"	~	11.2	90° 30'	+7.8	+19.0	513.9		BS	+800	-406		
	897				11.2	269° 30'	+7.8	+19.0			BS				
654	757		154° 50'	-1.7°	6.8	91° -	-13.2	-20.0		493.9		-675	+342	1,023,783	549,480
655	427		153° 50'	~	8.9	91° -	-7.5	-16.4		497.5		-377	+200	1,024,081	549,338

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-3-85		B. C. Camp		K. Greenfield		6834		B.C.		21		52			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Culloden - 7'2"		G.A.		Crawford								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC 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
									513.9						
656	97		154° 40'	-1.7°	5.0	92°	-3.4	-8.4		505.5		-86	+44	1,024,372	549,182
X	0				5.1	-		-5.1		508.8	X	0	0	1,024,458	549,138
657	232		320° 40'	--	8.6	85° 10'	+19.5	+10.9		524.8		+175	-152	1,024,633	548,986
658	561		315° 31' 10"	--	9.3	85° 40'	+42.4	+33.1		547.0	TP	+387	-404	1,024,845	548,734
658	561				9.4	274° 20'	+42.4	+33.0			TP				
	660		133° 30' 40"	-1.7°	+10.7	TM	-3.3	+7.4		554.4	BS	+440	-492		
	660				+11.2	89° 40'	-3.8	+7.4			BS				
659	330		133° 31'	--	6.8	89°	+5.8	-1.0		553.4		-220	+246	1,025,065	548,488
660	0				5.1	-		-5.1		549.3	X	0	0	1,025,285	548,242
661	330		305° 05'	-1.7°	12.7	89°	+5.8	-6.9		547.5		+182	-276	1,025,467	547,966
662	660		302° 50'	--	9.8	88°	+23.0	+13.2		567.6		+341	-565	1,025,626	547,677
663	990		302°	--	6.3	87° 34'	+42.0	+35.7		590.1		+499	-855	1,025,784	547,387
TF	1120		301° 44' 04"	--	3.4	87° 30'	+48.9	+45.5		599.9	TF	+560	-969	1,025,845	547,272
TP	1071		303° 39' 52"	--	5.8	87° 20'	+49.8	+44.0			TP	+566	-908	1,025,851	547,334
TP	1071				5.8	272° 40'	+49.8	+44.0		598.4	TP				
	807		223° 04' 34"	-1.7°	+11.8	87° 20'	-37.5	-25.7		572.7	BS	+605	+533		
	807				+11.9	272° 40'	-37.5	-25.6			BS				
664	608		217° 50'	--	12.1	88°	+21.2	+9.1		581.8		-491	-359	1,025,965	547,508
665	291		205° 30'	--	7.9	-		-7.9		564.8		-266	-117	1,026,190	547,750
X	0				5.1	-		-5.1		567.6	X	0	0	1,026,456	547,867

Y=1,025,825 X=547,305
 TP - 272° 40' EL. 600

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
4-3-85		B. Cotcamp		K. Greenfield		6834		KUC		21		54			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		CULLODEN-MORAN		G.A.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
	671		215° 46' 40"	-1.7°	4.8	87° 20'	-31.2	-26.4	517.9		BS	+555	+376		
	671				+6.8	87° 10'	-33.2	-26.4			BS				
678	436		215°	--	7.3	87° 10'	+21.5	+14.2		532.1		-364	-239	1,029,735 550,139	
679	108		212° 35'	--	7.6	87° 10'	+5.3	-2.3		515.6		-93	-55	1,030,006 550,323	
	0				5.1	--		-5.1		512.8	X	0	0	1,030,099 550,378	
680	223		62° 25'	-1.7°	9.9	89°	+3.9	-6.0		511.9		+109	+195	1,030,208 550,573	
681	552		66° 10'	--	6.5	89°	+9.6	+3.1		521.0		+238	+498	1,030,337 550,876 CULLODEN - 7 1/2' ↑	
682	881		65° 30'	--	10.1	89°	+15.4	+5.3		523.2		+389	+790	1,030,488 551,168 MORAN - 7 1/2' ↓	
TP	1163		65° 15' 40"	--	13.8	89°	+20.3	+6.5		524.4	TP	+518	+1041	1,030,617 551,419	
TP	1163				13.7	271°	+20.3	+6.6			TP				
	700		186° 50' 05"	-1.7°	8.4	85°	-61.0	-52.6	471.8		BS	+695	+62		
	700				+8.3	275°	-61.0	-52.7			BS				
683	660		187°	--	5.7	85° 20'	+53.5	+47.8		519.6		-657	-61	1,030,655 551,420	
684	330		186° 15'	--	11.0	85° 20'	+26.8	+15.8		487.6		-329	-26	1,030,983 551,455	
685	0				5.1	--		-5.1		466.7	X	0	0	1,031,312 551,481	
686	328		35° 15'	-1.7°	8.7	89° 20'	+3.9	-4.9		466.9		+273	+181	1,031,585 551,662	
TP	416		30° 15' 24"	--	4.7	89° 20'	+4.8	+0.1		471.9	TP	+365	+199	1,031,677 551,680	
TP	416				5.9	89° 10'	+6.0	+0.1			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
4-3-85		B. Cotcamp		K. Greenfield/D. Crowe		6834		H. W. W.		21		55			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		MORAN-7 1/2'		G.A.		CRAWFORD								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC 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
									471.9						
	564		187° 22' 30"	-1.7	3.4	-		+3.4	475.3		BS	+561	+56		
	564				6.2	TH	-2.8	+3.4			BS				
687	330		187° 22'	--	7.8	89° 20'	+3.8	-4.0		471.3		-328	-33	1,031,910	551,703
688	0				5.1	-		-5.1		470.2	T	0	0	1,032,238	551,736
688	76		340° 40' 15"	-1.7	4.4	89° 20'	+0.9	-3.5		471.8	H.	+71	-27	1,032,309	551,709
689	330		344° 45'	--	5.9	87° 10'	+16.3	+10.4		485.7		+316	-96	1,032,554	551,640
690	661		346° 19' 01"	--	8.6	87° 10'	+32.7	+24.1		499.4	TP	+637	-175	1,032,875	551,561
690	661				8.5	272° 50'	+32.7	+24.2			TP				
	1648		183° 55'	-1.7	10.2	92° 18'	+66.1	+76.3		575.7	BS	+1646	+40		
	1648				10.1	267° 42'	+66.1	+76.2			BS				
691	1319		183° 35'	--	14.8	92° 24'	-55.2	-70.0		505.7		-1318	-43	1,033,203	551,558
692	990		182° 45'	--	14.5	92° 20'	-40.3	-54.9		520.9		-990	-18	1,033,531	551,583
693	660		182° 25'	-	10.0	91° 50'	-21.1	-31.1		544.6		-660	-8	1,033,861	551,593
694	330		181° 20'	-	8.5	91° 10'	-6.7	-15.2		560.5		-330	+2	1,034,191	551,603
695	0				5.1	-		-5.1		570.6	T	0	0	1,034,521	551,601
696	330		356° 45'	-1.7	9.7	91° 10'	-6.7	-16.4		559.3		+329	-28	1,034,850	551,573
TP	359		353° 17' 40"	--	9.8	91° 10'	-7.3	-17.1		558.6	TP	+355	-52	1,034,876	551,549
TP	359				9.8	268° 50'	-7.3	-17.1			TP				
	946		147° 05' 29"	--	+13.8	89° 20'	-11.0	+2.8		561.3	BS	+779	-537		
	946				+10.9	270° 30'	-8.3	+2.6		+2.7	BS				

4 x 1,032,280 x 551,709
Pipeline EL. 472.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 4-4-85 INSTRUMENT MAN B. Cotcamp ROD MAN K. Greenfield/D. Clowe PARTY NUMBER 6834 NOTES CHECKED BY [Signature] LINE NO. 21 PAGE 56
 AREA GEORGIA TOPO MAP MORAN - CULLODEN STATE G.A. COUNTY CRAWFORD TWP RANGE PPM PARTY MANAGER W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOTTING 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			
									561.3									
697	657		150° -	-1.7°	6.8	89° 24'	+6.9	+0.1		561.4		-559	+345	1,035,096	551,357			
698	330		145° 35	--	11.0	89° 24'	+3.5	-7.5		553.8		-267	+195	1,035,388	551,207		MORAN - 7 1/2 ↑	
699	0				5.1	-		-5.1		556.2	X	0	0	1,035,655	551,012		CULLODEN - 7 1/2 ↓	
700	330		321° 20'	-1.7°	6.6	89° -	+5.8	-0.8		560.5		+251	-214	1,035,906	550,798			
701	660		- - -	--	12.1	89° -	+11.5	-0.6		560.7		+503	-427	1,036,158	550,585		E.O.L. Line #21	
TP	1679		320° 06' 52"	--	12.1	89° 36'	+11.7	-0.4	}	560.9	TP	+1256	-1114	1,036,911	549,898			
TP	1679				12.0	270° 24'	+11.7	-0.3				TP						
	192		159° 46' 55"	-1.7°	6.4	-		+6.4	}	567.3	BS	+178	-72					
X	0				5.1	-		-5.1			562.2	X	0	0	1,037,089	549,826		
TP	204		346° 26' 15"	--	1.3	-		-1.3	}	566.0	TP	+197	-54	1,037,286	549,772		1,037,220 x = 549,910	TP - Inter. EL. 565.0