

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.14.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	C.S. B.C.	LINE NO.	12	PAGE	1A	
AREA	GEORGIA	TOPO MAP	MERRILLVILLE - 1 1/2'	STATE	GEORGIA	COUNTY	THOMAS	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
K	T-Intersect		Elevation: 209.0		y - 352.295	x - 586.15				209.0	K			scaled y - 352.295 x - 586.15 T-Intersect EL. 209.0
	2986		208° 21' 13"	-0.9	+4.8	TH	-14.9	-10.1	198.8		BS	+2650	+1377	
	2986				+4.6	TH 270	-14.9	-10.3	10.2 1/2		BS			
K	0				5.2	-		-5.2		193.6	K	0	0	354.945 587.492
±	67		44° 07' 15"	-	4.6	-		-4.6		194.2				
TP 9	3019		345° 47' 54"	-0.9	4.9	TH	+15.1	+10.2		209.0	TP	+2915	-787	357.860 586.705 TP on STA. number
TP 9	3019				4.8	TH 270	+15.1	+10.3			TP			9

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-12-84		B. Cotcamp		W. Greenfield		6834		C.S. B.C.		12		1			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MERRILLVILLE-7 1/2'		GEORGIA		THOMAS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									214.2						
1	2641		165° 52' 58"	-0.9°	8.2	BH	+13.2	+21.4			BS	-2551	+684	355,309	587,389
	2641				+8.1	BH 270	+13.2	+21.3	214.2	192.9	BS				
2	2310		165° 50'	"	8.7	BH	-11.6	-20.3		193.9		-2231	+600	355,629	587,305
3	1980		165° 43'	"	8.2	BH	-9.9	-18.1		196.1		-1911	+519	355,949	587,224
4	1650		165° 27'	"	6.8	BH	-8.3	-15.1		199.1		-1590	+440	356,270	587,145
5	1320		" "	"	11.8	-		-11.8		202.4		-1272	+352	356,588	587,057
6	990		" "	"	10.2	-		-10.2		204.0		-954	+264	356,906	586,969
7	660		" "	"	8.8	-		-8.8		205.4		-636	+176	357,224	586,881
8	330		" "	"	7.2	-		-7.2		207.0		-318	+88	357,542	586,793
9	0				5.2	-		-5.2		209.0	TP	0	0	357,860	586,705
10	330		345° 29'	-0.9°	6.7	89°	+5.8	-0.9		213.3		+318	-88	358,178	586,617
11	660		" "	"	8.8	89°	+11.5	+2.7		216.9		+636	-175	358,496	586,530
12	990		346° 04'	"	10.8	89°	+17.3	+6.5		220.7		+957	-253	358,817	586,452
13	1320		346° 32'	"	12.0	89°	+23.0	+11.0		225.2		+1279	-328	359,139	586,377
14	1650		346° 47'	-0.9°	12.1	89°	+28.8	+16.7		230.9		+1600	-402	359,460	586,303
15	1980		347° 02'	"	8.0	89° 10'	+28.8	+20.8		235.0		+1922	-475	359,782	586,230
16	2312		346° 57' 17"	"	5.9	89° 18'	+28.2	+22.3			TP	+2244	-557	360,104	586,148
16	2312				6.0	270° 42'	+28.2	+22.2		236.4	TP				
	2310		172° 39' 16"	" +	7.0	TH	-11.6	-4.6			BS	+2286	-331		
	2310				+6.9	TH 270°	-11.6	-4.7	231.7		BS				

EL. 209.0 TR +5.2'
EL 2nd. 214.2

ACROSS STA.

TRAVEL NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3-12-84		B. Coeamp		W. Greenfield		6834		C.J.		12		2				
STATE		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		MERRILLVILLE - 7 1/2		GEORGIA		THOMAS								L.O. Davis		
STATION NO.	SLOPE 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
									231.7							
16	2069		172° 17' 57"	-0.9°	5.1	TM	+10.3	+5.2		236.9	#	-2046	+309	360,344	586,126	# - 360,375 x - 586,125 T-Inter. EL. 235.0
17	1980		171° 58'	--	5.0	TM	+9.9	+4.9		236.6		-1956	+307	360,434	586,124	
18	1650		" "	--	5.9	TM	+8.3	+2.4		234.1		-1630	+256	360,760	586,023	
19	1320		" "	--	6.9	TM	+6.6	-0.3		231.4		-1304	+205	361,086	586,022	
20	990		" "	--	7.8	TM	+5.0	-2.8		228.9		-978	+154	361,412	585,971	
21	660		" "	--	7.6	TM	+3.3	-4.3		227.4		-652	+102	361,738	585,919	
22	330		" "	--	5.0	-		-5.0		226.7		-326	+51	362,064	585,818	
23	0				5.2	-		-5.2		226.5	TP	0	0	362,390	585,817	MERRILLVILLE - 7 1/2
24	330		352° 59'	-0.9°	5.6	TM	+1.7	-3.9		227.8		+327	-45	362,717	585,772	CHASTAIN - 7 1/2
25	660		" "	--	3.2	TM	+3.3	+0.1		231.8		+654	-91	363,044	585,726	
26	990		" "	--	11.9	88° 50'	+20.2	+8.3		240.0		+981	-136	363,371	585,681	
27	1320		352° 59'	--	5.0	88° 50'	+26.9	+21.9		253.6		+1307	-182	363,697	585,635	
28	1650		" "	-0.9°	4.8	88° 40'	+38.4	+33.6		265.3		+1634	-227	364,024	585,590	
29	1980		" "	--	5.8	88° 40'	+46.1	+40.3		272.0		+1961	-273	364,351	585,544	
#	2029		352° 32' 18"	--	6.0	88° 40'	+47.2	+41.2		272.9	#	+2007	-295	364,397	585,522	# - 364,390 x - 585,545 4 Way Inter. EL. 272.0
30	2310		352° 59'	--	10.0	88° 40'	+53.7	+43.7		275.4		+2288	-318	364,678	585,499	
31	2642		352° 47' 37"	--	13.7	88° 48'	+55.3	+41.6			TP	+2615	-372	365,005	585,445	
31	2642				13.8	271° 12'	+55.3	+41.5		273.2	TP					
	1319		168° 11' 59"	-0.9°	6.3	89° 20'	-15.3	-9.0	264.2		BS	+287	-290			
	1319				2.5	89° 30'	-11.5	-9.0			BS					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.12.84		B. Cotcamp		W. Greenfield		6834		C.S.		12		3			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		CHASTAIN - 7 1/2		GEORGIA		THOMAS								L.O. Davis	
STATION NO.	SLOPE 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
									264.2						
32	990		167° 39'	-0.9°	8.2	89° 20'	+11.5	+3.3		267.5		-964	+227	365,328	585,382
33	660		168° 30'	"	8.8	89° 20'	+7.7	-1.1		263.1		-645	+142	365,647	585,297
34	330		170° 49'	"	7.7	89° 20'	+3.8	-3.9		260.3		-325	+58	365,967	585,213
35	0				5.2	-		-5.2		259.0	TP	0	0	366,292	585,155
36	336		351° 23'	-0.9°	8.1	89° 20'	+3.8	-4.3		259.9		+325	-55	366,617	585,100
37	660		"	"	9.1	89° 20'	+7.7	-1.4		262.8		+651	-109	366,943	585,046
38	990		"	"	4.8	89° 20'	+11.5	+6.7		270.9		+916	-164	367,268	584,991
39	1320		"	"	4.7	89° 20'	+15.4	+10.7		274.9		+1302	-218	367,594	584,937
40	1650		351° 29'	"	7.9	89° 20'	+19.2	+11.3		275.5		+1628	-270	367,920	584,885
41	1980		351° 31' 15"	"	8.6	89° 30'	+17.3	+8.7		272.9	TP	+1953	-323	368,245	584,832
41	1980				8.5	270° 30'	+17.3	+8.8			TP				
	1873		171° 31' 14"	-0.9°	3.8	90° 10'	+5.4	+9.2			BS	+1848	-305		
	1873				3.7	269° 50'	+5.4	+9.1	+282.0		BS				
42	1542		171° 06'	"	6.8	90° 10'	-4.5	-11.3		270.7		-1520	+262	368,573	584,789
43	1212		170° 45'	"	9.3	90° 10'	-3.5	-12.8		269.2		-1193	+214	368,900	584,741
#	900		170° 51' 31"	"	7.2	90° 10'	-2.6	-9.8		272.2	#	-886	+157	369,207	584,684
44	882		170° 21'	"	7.3	90° 10'	-2.6	-9.9		272.1		-867	+161	369,226	584,688
45	552		"	"	9.6	89° 40'	+3.2	-6.4		275.6		-543	+101	369,550	584,628
46	222		"	"	7.6	88° 40'	+5.2	-2.4		279.6		-218	+41	369,875	584,568
TP	0				5.2	-		-5.2		276.8	TP	0	0	370,093	584,527

4 - 369,200 X - 584,700
4 way int. EL 274.0

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3-12-84		B. Cotcamp		W. Greenfield		6834		C. S.		12		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		CHASTAIN - 7 1/2'		GEORGIA		THOMAS								L.D. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									282.0						
47	108		348° 36'	-0.9	6.2	-		-6.2		275.8		+106	-23	370,199	584,504
48	438		" "	" "	11.3	-		-11.3		270.7		+428	-93	370,521	584,434
49	768		" "	" "	10.7	BH	-3.8	-14.5		267.5		+750	-164	370,843	584,363
50	1098		347° 43'	" "	10.4	BH	-5.5	-15.9		266.1		+1069	-250	371,162	584,277
51	1428		347° 34'	-0.9	7.0	BH	-7.1	-14.1		267.9		+1390	-329	371,483	584,198
52	1758		" "	" "	10.2	-		-10.2		271.8		+1711	-405	371,804	584,122
53	2088		" "	" "	7.6	-		-7.6		274.4		+2032	-482	372,125	584,045
#	2102		347° 18' 01"	" "	1.3	96° 10'	-6.1	-7.4		274.6	TP	+2043	-494	372,136	584,033
#	2102			" "	1.3	269° 50'	-6.1	-7.4			TP				
	1636		168° 40' 42"	-0.9	7.7	89° 10'	-23.8	-16.1	258.5		BS	+1599	-346		
	1636			+	2.9	89° 20'	-19.0	-16.1			BS				
54	1320		168° 41'	" "	9.0	89° 10'	+19.2	+10.2		268.7		-1290	+279	372,445	583,916
55	990		" "	" "	10.3	89° 10'	+14.4	+4.1		262.6		-968	+209	372,767	583,896
56	660		" "	" "	8.9	89° 10'	+9.6	+0.7		259.2		-645	+140	373,090	583,827
57	330		" "	" "	5.1	89° 10'	+4.8	-0.3		258.2		-323	+70	373,412	583,757
58	0		" "	" "	5.2	-		-5.2		253.3	X	0	0	373,735	583,687
59	330		350° 39'	-0.9	6.5	91° 20'	-7.7	-14.2		244.3		+325	-59	374,060	583,628
60	660		" "	" "	10.7	91° 20'	-15.4	-26.1		232.4		+649	-117	374,384	583,570
61	990		" "	" "	9.6	91° 20'	-23.0	-32.6		225.9		+974	-176	374,708	583,511

5-372,120 X-584,050
1/4 way out

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.12.84		B. Cottramp		W. Greenfield		6834		C.S. B.C.		12		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MASTAIN - 7/2		GEORGIA		THOMAS								L.O. PAVIS	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									258.5						
62	1321		351° 10' 47"	-0.9	4.2	91° 20'	-30.7	-34.9			TP	+1302	-223	375,037	583,464
62	1321				8.1	91° 16'	-26.9	-35.0		223.5	TP				
	989		177° 32' 20"	~	+5.9	91° 10'	+20.1	+26.0	249.5		BS	+987	-58		
	989				+3.1	91° 20'	+23.0	+26.1			BS				
63	660		178° 35'	~	10.7	91° 20'	-15.4	-26.1		223.4		-659	+27	375,365	583,433
	494		179° 55' 22"	~	10.5	91° 20'	-11.5	-22.0		227.5	TP	-494	+8	375,530	583,414
64	330		179° 44'	~	7.1	91° 20'	-7.7	-14.8		231.7		-330	+7	375,694	583,413
65	0				5.2	-		-5.2		244.3	TP	0	0	376,024	583,406
66	330		1° 33'	-0.9	6.0	TH	+1.7	-4.3		245.2		+330	+4	376,354	583,410
67	660		~ "	~	11.3	-		-11.3		238.2		+660	+7	376,684	583,413
68	990		~ "	~	8.3	BM	-5.0	-13.3		236.2		+990	+11	377,014	583,417
69	1320		~ "	~	8.7	-		-8.7		240.8		+1320	+15	377,344	583,421
70	1650		1° 33'	~	7.9	TH	+8.3	+0.4		249.9		+1650	+19	377,674	583,425
71	1979		1° 45' 42"	~	9.1	89° 50'	+5.8	-3.3		246.2	TP	+1979	+30	378,003	583,436
71	1979				9.0	270 10'	+5.8	-3.2			TP				
	873		186° 04' 18"	-1.1	+5.8	88° 40'	-20.3	-14.5			BS	+869	+76		
	873				+8.3	88° 30'	-22.9	-14.6	231.6		BS				
72	544		183° 04'	~	6.8	88° 30'	+14.2	+7.4		239.0		-544	-19	378,328	583,493
73	214		180° 23'	~	6.8	88° 30'	+5.6	-1.2		230.4		-214	+3	378,658	583,515
	0				5.2	-		-5.2		226.4	TP	0	0	378,872	583,512

4 - 375,495 x - 583,405
 5 - ROAD west
 4 - 376,000 x - 583,400
 1 - ROAD EL. 246.0

THOMAS County ↑
 COL QUINN County ↓

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
		B. Cotcamp		W. Greenfield		6834		C.S. B.C.		12		6			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MASTAIN-7 1/2'		GEORGIA		COLQUITT								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									231.6						
74	117		9° 18'	-1.1°	6.0	90° 20'	-0.7	-6.7		224.9		+116	+17	378988	583529
75	447		4° 39'	--	8.2	90° 50'	-6.5	-14.7		216.9		+446	+28	379318	583540
76	777		" "	--	9.9	90° 50'	-11.3	-21.2		210.4		+776	+48	379648	583560
77	1107		" "	--	7.0	90° 50'	-16.1	-23.1		208.5		+1105	+69	379977	583581
78	1437		4° 39'	-1.1°	10.1	90° 30'	-12.5	-22.6		209.0		+1434	+89	380306	583601
79	1767		" "	--	6.5	90° 30'	-15.4	-21.9		209.7		+1764	+109	380636	583621
TP	1872		4° 31' 55"	--	3.4	90° 30'	-16.3	-19.7		211.9	TP	+1869	+112	380741	583624
TP	1872				3.3	269° 30'	-16.3	-19.6			TP				
	1315		196° 54' 35"	-1.1°	13.6	BH	+6.6	+20.2			BS	+1265	+358		
	1315				+13.5	BH 270	+6.6	+20.1	232.0		BS				
80	1091		196° 33'	--	9.0	BH	-5.5	-14.5		217.5		-1052	-291	380954	583691
81	761		196° 29'	--	6.4	-		-6.4		225.6		-734	-202	381272	583780
82	431		196° 09'	--	6.3	TH	+2.2	-4.1		227.9		-416	-112	381590	583870
83	101		" "	--	5.4	TH	+0.5	-4.9		227.1		-98	-26	381908	583956
T	0				5.2	-		-5.2		226.8	T	0	0	382006	583982
84	229		6° 20'	-1.1°	5.6	-		-5.6		226.4		+229	-3	382235	583979
85	559		359° 27'	--	6.6	-		-6.6		225.4		+559	-16	382565	583966
86	889		" "	--	8.8	-		-8.8		223.2		+889	-26	382895	583956
87	1219		" "	--	12.5	-		-12.5		219.5		+1218	-35	383224	583947
88	1549		" "	--	8.1	BH	-7.7	-15.8		216.2		+1548	-45	383554	583937

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3.12.84		B. Cotcamp		W. Greenfield		6834		C. J. B.C.		12		7				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		CHASTAIN - 7 1/2'		GEORGIA		COLQUITT								L. O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									232.0							
89	1821		359° 26' 34"	-1.1°	10.5	84	-9.1	-19.6		212.4	X	+1820	-53	383826	583929	y-385,890 x-583,910 y-inter.
TP	1877		359° 20'	--	12.0	84	-9.4	-21.4		210.6		+1876	-58	383882	583924	
TP	1939		358° 43' 37"	--	12.5	90° 20'	-11.3	-23.8		208.2	TP	+1937	-80	383943	583902	
TP	1939				12.4	269° 40'	-11.3	-23.7			TP					
	1065		145° 28' 18"	-1.1°	6.4	89° 30'	-9.3	-2.9	205.2		BS	+866	-620			
	1065				+6.2	270° 30'	-9.3	-3.1	-3.0		BS					
90	802		143° 37'	--	3.8	-		-3.8		201.4		-636	+488	384173	583770	
91	473		" "	--	4.1	-		-4.1		201.1		-375	+288	384434	583570	
92	143		" "	--	3.9	-		-3.9		201.3		-113	+87	384696	583369	
TP	0				5.2	-		-5.2		200.0	TP	0	0	384809	583282	
93	205		30° 47'	-1.1°	4.0	TH	+1.0	-3.0		202.2		+178	+102	384987	583384	
94	535		33° 06'	--	5.6	TH	+2.7	-2.9		202.3		+454	+284	385263	583566	
95	624		32° 20' 38"	--	2.9	-		-2.9		202.3	X	+534	+324	385343	583606	TP-intersect
96	865		33° 52'	--	7.7	TH	+4.3	-3.4		201.8		+727	+468	385536	583750	
97	1195		34° 12'	--	8.8	TH	+6.0	-2.8		202.4		+1001	+653	385810	583935	
97	1524		33° 24' 06"	--	1.3	-		-1.3		204.0	TP	+1288	+814	386097	584096	
97	1524				1.1	270° -		-1.1	-1.2		TP					
	2637		194° 14' 48"	-1.1°	13.4	90° 50'	+38.4	+51.8	255.7		BS	+2568	+600			
	2637				+13.2	269° 10'	+38.4	+51.6	+51.7		BS					
98	2309		193° 22'	--	8.8	91° -	-40.3	-49.1		206.6		-2256	-491	386409		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3.13.84		B. Cotcamp		W. Greenfield		6834		C.J. B.C.		12	8				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Georgia		CMASTAIN - 7 1/2'		Georgia		Cocutt					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									255.7						
99	1980		193° 22'	-1.1°	7.9	91°	-34.6	-42.5		213.2		-1935	-421	386,730	584,275
100	1650		" "	" "	8.2	90° 50'	-24.0	-32.2		223.5		-1612	-351	387,053	584,345
101	1320		" "	" "	6.0	90° 50'	-19.2	-25.2		230.5		-1290	-280	387,375	584,416
102	990		" "	" "	5.3	90° 50'	-14.4	-19.7		236.0		-967	-210	387,698	584,486
103	660		" "	" "	8.9	90° 30'	-5.8	-14.7		241.0		-645	-140	388,020	584,556
104	336		" "	" "	5.1	90° 30'	-2.9	-8.0		247.7		-322	-70	388,343	584,626
105	0				5.2	-		-5.2		250.5	X	0	0	388,665	584,696
106	330		11° 56'	-1.1°	6.1	89° 30'	+2.9	-3.2		252.5		+324	+62	388,989	584,758
107	660		11° 30'	" "	5.2	89° 30'	+5.8	+0.6		256.3		+649	+119	389,314	584,815
108	990		11° 15'	" "	5.2	89° 30'	+8.6	+3.4		259.1		+975	+174	389,640	584,870
109	1320		11° 15'	" "	7.9	89° 30'	+11.5	+3.6		259.3		+1299	+233	389,964	584,929
110	1650		11° 51'	" "	8.2	89° 30'	+14.4	+6.2		261.9		+1621	+308	390,286	585,004
111	1978		12° 15' 52"	" "	7.6	89° 30'	+17.3	+9.7		265.4	TP	+1940	+383	390,605	585,079
111	1978				7.5	270° 30'	+17.3	+9.8			TP				
	2619		182° 39' 24"	-1.1°	12.8	90° 04'	+3.0	+15.8			BS	+2618	+71		
	2619				+12.1	269° 56'	+3.0	+15.7	281.1		BS				
112	2296		180° 21'	" "	7.2	90° 10'	-6.7	-13.9		267.2		-2296	+26	390,927	585,176
113	1980		178° 29'	" "	7.5	90° 10'	-5.8	-13.3		267.8		-1978	+90	391,245	585,240
114	1650		177° 56'	" "	7.2	90° 10'	-4.8	-12.0		269.1		-1647	+91	391,526	585,241
115	1320		177° 51'	" "	6.3	90° 16'	-3.8	-10.1		271.0		-1318	+75	391,905	585,225

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-13-84		B. Cotcamp		W. Greenfield		6834		C.S. B.C.		12		9			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		CHASTAIN - 7 1/2'		GEORGIA		Cocquitt								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
									281.1						
116	990		177° 41'	-1.1°	5.6	90° 10'	-2.9	-8.5		272.6		-988	+59	392235	585,209
117	660		177° 06'	"	5.0	90° 10'	-1.9	-6.9		274.2		-658	+46	392565	585,196
#	627		178° 11 46'	"	6.7	-		-6.7		274.4	#	-626	+32	392597	585,182
118	330		175° 45'	"	6.3	-		-6.3		274.8		-329	+31	392894	585,181
119	0				5.2	-		-5.2		275.9	π	0	0	393223	585,150
120	330		348° 19'	-1.1°	6.2	TH	+1.7	-4.5		276.6		+322	-73	393545	585,077
121	659		345° 26'	"	6.4	TH	+3.3	-3.1		278.0		+635	-178	393858	584,972
122	988		343° 27'	"	6.7	TH	+4.9	-1.8		279.3		+941	-300	394164	584,850
123	1317		342° 14'	"	7.7	TH	+6.6	-1.1		280.0		+1246	-425	394469	584,725
124	1646		341° 54'	"	6.2	TH	+8.2	+2.0		283.1		+1554	-541	394777	584,609
125	1974		343° 24 31'	"	5.3	89° 48'	+6.9	+1.6		282.7	TP	+1881	-600	395104	584,550
125	1974				5.3	270° 12'	+6.9	+1.6			TP				
	862		192° 16 58'	-1.1°	8.3	TH	-4.3	+4.0	286.7		BS	+846	+167		
	862				9.0	89° 40'	-5.0	+4.0			BS				
126	534		195° 53'	"	6.3	89° 40'	+3.1	-3.2		283.5		-516	-136	395434	584,581
127	204		" "	"	5.0	89° 40'	+1.2	-3.8		282.9		-197	-52	395753	584,465
128π	0				5.2	-		-5.2		281.5	π	0	0	395950	584,717
128	126		16° 43'	-1.1°	5.8	89° 40'	+0.7	-5.1		281.6		+121	+34	396071	584,751
129	456		" "	"	8.2	89° 40'	+2.7	-5.5		281.2		+439	+123	396389	584,840
130	786		" "	"	9.9	89° 40'	+4.6	-5.3		291.4		+757	+212	396707	584,929

y. 392,580 x - 585,175
4 way int. el. 274.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.13.87	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	C.S. B.C.	LINE NO.	12	PAGE	10
AREA	GEORGIA	TOPO MAP	CHASTAIN - 7/2'	STATE	GEORGIA	COUNTY	Colquitt	TWP		RANGE	PPM	PARTY MANAGER.	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									286.7					
131	1116		16° 43'	-1.1°	10.3	89° 40'	+6.5	-3.8		282.9		+1675	+300	397,025 585,017
132	1446		16° 38'	"	8.8	89° 40'	+8.4	-0.4		286.3		+1393	+387	397,343 585,104
133	1773		15° 09' 10"	"	2.5	-		-2.5		284.2	TP	+1720	+431	397,670 585,148
133	1773				2.4	270°		-2.4			TP			
	1860		177° 50' 24"	-1.1°	13.1	-		+13.1			BS	+1857	-106	
	1860				+13.0	270°		+13.0		297.2	BS			
134	1531		176° 38'	"	11.1	-		-11.1		286.1		-1526	+119	398,001 585,161
135	1202		175° 50'	"	8.9	84	-6.0	-14.9		282.3		-1197	+110	398,330 585,152
136	873		174° 33'	"	11.7	90 24'	-6.1	-17.8		279.4		-867	+100	398,660 585,142
137	545		171° 23'	"	11.0	-		-11.0		286.2		-537	+92	398,990 585,134
138	216		165° 28'	"	6.0	-		-6.0		291.2		-208	+58	399,319 585,100
X	0				5.2	-		-5.2		292.0	X	0	0	399,527 585,042
139	114		335° 24'	-1.1°	5.1	90 30'	-1.0	-6.1		291.1		+103	-49	399,630 584,993
140	445		334° 32'	"	6.1	91° 30'	-11.6	-17.7		279.5		+398	-199	399,925 584,843
141	775		"	"	9.1	91° 50'	-24.8	-33.9		263.3		+693	-347	400,220 584,695
#	989		333° 52'	"	8.8	91° 50'	-31.6	-40.4		256.8	#	+879	-452	400,406 584,590
142	1105		334° 32'	"	10.1	91° 50'	-35.3	-45.4		251.8		+988	-494	400,515 584,548
143	1435		"	"	9.6	91° 50'	-45.9	-55.5		241.7		+1283	-642	400,810 584,400
144	1765		"	"	9.1	91° 30'	-46.2	-55.3		241.9		+1579	-789	401,106 584,253
145	2095		"	"	7.8	91° 10'	-42.7	-50.5		246.7		+1874	-937	401,401 584,105

3-400,395 x - 584,590
4 way int. EL. 2560

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
3.13.84		B. Cotcamp		W. Greenfield		6834		C.J.		12	11			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
GEORGIA		CHASTAIN - 7/2'		GEORGIA		Colquitt					L.O. Davis			
STATION NO.	SLOPE 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.	
									297.2					
146	2425		334° 32'	-1.1°	6.9	91°	-42.3	-49.2		248.0		+2169	-1085	401,696 583,957
147	2750		335° 26' 36"	"	12.4	90° 54'	-43.2	-55.6		241.6	TP	+2479	-1191	402,006 583,851
147	2750				12.3	269° 06'	-43.2	-55.5			TP			
	2968		181° 06' 09"	-1.3°	11.8	BH	+14.8	+26.6	268.0		BS	+2968	-10	
	2968				+11.4	BH 270'	+14.8	+26.2	264.3		BS			
148	2640		181° 48'	-1.3°	10.0	90° 30'	-23.0	-33.0		235.0		-2640	-23	402,334 583,818
149	2310		" "	"	9.6	90° 40'	-26.7	-36.5		231.5		-2310	-20	402,664 583,821
150	1980		" "	"	8.0	90° 50'	-28.8	-36.8		231.2		-1980	-17	402,994 583,824
151	1650		" "	"	10.9	90° 50'	-24.0	-34.9		233.1		-1650	-14	403,324 583,827
152	1320		181° 48'	-1.3°	12.6	90° 56'	-19.2	-31.8		236.2		-1320	-12	403,654 583,829
153	990		" "	"	10.1	90° 50'	-14.4	-24.5		243.5		-990	-9	403,984 583,832
154	660		" "	"	6.3	90° 50'	-9.6	-15.9		252.1		-660	-6	404,314 583,835
155	330		" "	"	7.2	90° 20'	-1.9	-9.1		258.9		-330	-3	404,644 583,838
156	0				5.2	-		-5.2		262.8	T	0	0	404,974 583,841
157	330		1° 43'	-1.3°	6.2	90° 40'	-3.8	-10.0		258.0		+330	+2	405,304 583,843
158	660		" "	"	11.4	90° 40'	-7.7	-19.1		248.9		+660	+5	405,634 583,846
159	990		" "	"	12.4	90° 50'	-14.4	-26.8		241.2		+990	+7	405,964 583,848
160	1320		" "	"	11.1	90° 50'	-19.2	-30.3		237.7		+1320	+10	406,294 583,851
161	1650		" "	"	9.3	90° 40'	-19.2	-28.5		239.5		+1650	+12	406,624 583,853
162	1980		" "	"	11.3	90° 20'	-11.5	-22.8		245.2		+1980	+14	406,954 583,855

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-13-84		B. Cotcamp		W. Greenfield		6834		C.Y. B.C.		12		12			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		CHASTAIN-7 1/2'		GEORGIA		COLQUITT								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									268.0						
163	2310		1° 43'	-1.3°	12.1	90° 04'	-2.7	-14.8		253.2		+2310	+17	407,284	583,858
164	2640		" "	" "	6.2	-		-6.2		261.8		+2640	+19	407,614	583,860
165	2970		" "	" "	9.6	89° 50'	+8.6	-1.0		267.0		+2970	+22	407,944	583,863
166	3300		" "	" "	7.2	89° 50'	+9.6	+2.4		270.4		+3300	+24	408,274	583,865
167	3631		1° 50' 09"	" "	5.6	89° 50'	+10.6	+5.0		273.1	TP	+3631	+34	408,605	583,875
167	3631				5.3	270° 10'	+10.6	+5.3			TP				
	1650		184° 22' 14"	-1.3°	5.8	89° 30'	-14.4	-8.6	264.4		BS	+1648	+88		
	1650				+5.6	270° 30'	-14.4	-8.8	273		BS				
168	1320		184° 29'	" "	9.1	89° 20'	+15.4	+6.3		270.7		-1318	-73	408,935	583,890
169	990		" "	" "	12.1	89° 20'	+11.5	-0.6		263.8		-988	-55	409,265	583,908
170	660		" "	" "	8.0	89° 40'	+3.8	-4.2		260.2		-659	-37	409,594	583,926
171	330		" "	" "	5.7	89° 40'	+1.9	-3.8		260.6		-329	-18	409,924	583,945
172	0				5.2	-		-5.2		259.2	X	0	0	410,253	583,963
173	330		2° 20'	-1.3°	6.6	90° 20'	-1.9	-8.5		255.9		+330	+6	410,583	583,969
174	660		1° 18'	" "	9.9	90° 20'	-3.8	-13.7		250.7		+660	±0	410,913	583,963
175	990		6° 36'	" "	12.0	90° 20'	-5.8	-17.8		246.6		+990	-12	411,243	583,951
176	1320		0° 16'	" "	6.3	90° 20'	-7.7	-14.0		250.4		+1320	-24	411,573	583,939
177	1650		0° 21'	" "	11.0	89° 40'	+9.6	-1.4		263.0		+1650	-27	411,903	583,936
178	1979		0° 33' 23"	" "	8.8	89° 40'	+11.5	+2.7		267.2	TP	+1979	-26	412,232	583,937
178	1979				8.6	270° 20'	+11.5	+2.9	+2.8 1/2		TP				

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	3-13-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	C.S. B.C.	LINE NO.	12	PAGE	13
AREA	GEORGIA	TOPO MAP	HARTSFIELD -7 1/2'	STATE	GEORGIA	COUNTY	COLQUITT	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										267.2				
	2641		183° 32' 10"	-1.3°	11.3	-		+11.3	278.2		BS	+2639	+103	
	2641				+10.8	270°		+10.8		BS				
179	2310		183° 29'	"	9.2	90° 10'	-6.7	-15.9		262.3		-2308	-88	412563 583952
180	1980		183° 24'	"	10.6	90° 20'	-11.5	-22.1		256.1		-1979	-73	412892 583967
181	1650		183° 12'	"	8.2	90° 40'	-19.2	-27.4		250.8		-1649	-55	413222 583985
182	1320		182° 57'	"	9.3	90° 40'	-15.4	-24.7		253.5		-1319	-38	413552 584002
183	990		182° 33'	"	5.2	90° 40'	-11.5	-16.7		261.5		-990	-22	413881 584018
184	660		181° 30'	"	9.4	-		-9.4		268.8		-660	-2	414211 584038
#	538		182° 38' 40"	"	9.1	-		-9.1		269.1	#	-538	-13	414333 584027 # 414315 X - 584025 # 4 WAY Int. EL. 269.0
185	330		181° 30'	"	7.3	-		-7.3		270.9		-330	-1	414554 584039
186	0			"	5.2	-		-5.2		273.0	π	0	0	414871 584040
187	330		1° 08'	-1.3°	5.1	TM	+1.7	-3.4		274.8		+330	-1	415201 584039
188	660		"	"	6.5	TM	+3.3	-3.2		275.0		+660	-2	415531 584038
189	990		"	"	8.7	TM	+5.0	-3.7		274.5		+990	-3	415861 584037
190	1320		"	"	6.8	-		-6.8		271.4		+1320	-4	416191 584036
191	1650		0° 42'	"	10.0	-		-10.0		268.2		+1650	-17	416521 584033
192	1980		0° 34'	"	8.0	-		-8.0		270.2		+1980	-25	416851 584015
193	2310		0° 33'	"	8.7	89° 50'	+6.7	-2.0		276.2		+2310	-30	417181 584010
194	2641		0° 27' 27"	"	9.2	89° 40'	+15.4	+6.2	284.5		TP	+2641	-39	417512 584001
194	2641	0		"	8.9	270° 20'	+15.4	+6.5		TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.14.84		B. Cotcamp		R. Trowbridge		6834		C.Y. B.C.		12		14			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		HARTSFIELD - 7 1/2'		GEORGIA		Colquitt								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
										284.5					
	1439		182° 52' 20"	-1.3°	+6.3	-		+6.3	290.7		BS	+1438	+39		
	1439				+6.1	270°		+6.1	+6.2 1/3		BS				
1F	1198		182° 05' 08"	--	1.8	-		-1.8		288.9	1F	-1198	-16	417,752 584,026 417,750 X - 584,010 T - Inter. EL. 287.0	
195	1110		181° -	--	6.9	TH	+5.6	-1.3		289.4		-1110	+6	417,840 584,046	
196	780		180° -	--	6.2	TH	+3.9	-2.3		288.4		-780	+18	418,170 584,058	
197	452		176° 50'	--	7.2	TH	+2.3	-4.9		285.8		-451	+35	418,499 584,075	
198	122		170° 16'	--	5.3	-		-5.3		285.4		-120	+23	418,830 584,063	
π	0				5.2	-		-5.2		285.5	π	0	0	418,950 584,040	
199	209		344° 38'	-1.3°	5.3	TH	+1.0	-4.3		286.4		+200	-60	419,150 583,080	
200	537		338° 08'	--	6.2	89° 20'	+6.2	-0.0		290.7		+494	-211	419,444 583,826	
201	866		335° 04'	--	8.0	89° -	+15.1	+7.1		297.8		+777	-383	419,727 583,657	
202	1192		332° 39' 59"	--	8.5	89° -	+20.8	+12.3		303.1	TP	+1046	-571	419,996 583,469	
202	1192				8.3	271° -	+20.8	+12.5	+12.4 1/3		TP				
	1320		131° 40' 52"	-1.3°	+2.5	-		+2.5	305.5		BS	+907	-959		
	1320				+2.3	270° -		+2.3	+2.4 1/3		BS				
203	990		133° 52'	--	9.8	TH	+5.0	-4.8		300.7		-670	+729	420,233 583,239	
204	660		" "	--	10.5	-		-10.5		295.0		-446	+486	420,457 582,996	
≠	614		135° 00'	--	10.8	-		-10.8		294.7	≠	-424	+443	420,479 582,953 ≠ T - Inter.	
205	330		133° 52'	--	10.1	-		-10.1		295.4		-223	+243	420,680 582,753	
206	0				5.2	-		-5.2		300.3	π	0	0	420,903 582,510	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.14.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	W. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	C.S. R.I.	LINE NO.	12	PAGE	15	
AREA	GEORGIA	TOPO MAP	HARTSFIELD - 7 1/2'	STATE	GEORGIA	COUNTY	COLQUITT	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									305.5					
207	330		305° 30'	-1.3°	7.1	90° 40'	-3.8	-10.9		294.6		+185	-273	421,088 582,237
208	659		362° 32'	--	8.1	91° 20'	-15.3	-23.4		282.1		+342	-563	421,245 581,947
209	988		301° 22'	--	9.1	91° 20'	-23.0	-32.1		273.4		+495	-855	421,398 581,655
1F	1116		299° 34' 46"	--	7.9	91° 20'	-26.0	-33.9		271.6	1F	+529	-983	421,432 581,527 * 421,435 X - 581,505 IF T-inter.
210	1229		309° 53'	--	7.0	91° 10'	-25.0	-32.0		273.5		+766	-961	421,669 581,519
211	1453		320° 02'	--	11.3	90° 30'	-12.7	-24.0		281.5		+1092	-958	421,995 581,552
212	1711		327° 56'	--	6.6	90° 20'	-10.0	-16.6		288.9		+1429	-941	422,332 581,569
213	1992		333° 06' 06"	-1.3	11.7	-	-	-11.7		293.9	TP	+1756	-941	422,659 581,569
213	1992				11.4	270°		-11.4	11.6		TP			
	1320		181° 51' 50"	--	+5.9	-		+5.9	299.7		BS	+1320	+13	
	1320				+5.7	270°		+5.7	5.8		BS			
214	990		182° 04'	-1.3°	7.1	-		-7.1		292.6		-990	-13	422,989 581,569
215	660		" "	--	7.9	TH	+3.3	-4.6		295.1		-660	-9	423,319 581,573
216	330		" "	--	7.4	TH	+1.7	-5.7		294.0		-330	-4	423,649 581,578
217	0				5.2	-		-5.2		294.5	T	0	0	423,979 581,582
218	330		6° 01'	-1.3°	6.0	TH	+1.7	-4.3		296.4		+329	+27	424,308 581,609
219	660		6° 40'	--	4.7	TH	+3.3	-1.4		298.3		+657	+62	424,636 581,644
220	990		6° 19'	--	7.2	89° 10'	+14.4	+7.2		306.9		+986	+87	424,965 581,669
221	1319		6° 03' 02"	--	2.1	89° 10'	+19.2	+17.1		316.8	TP	+1314	+109	425,293 581,691
221	1319				2.0	270° 50'	+19.2	+17.2			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-14-84		B. Cotcamp		W. Greenfield		6834		C.S.		R.T.		12 16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		MARTSFIELD - 7 1/2'		GEORGIA		COLQUITT								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
										316.8					
	1353		185° 20' 12"	-13°	+2.3	-		+2.3	318.9		BS	+1350	+95		
	1353				+2.0	270°		+2.0	321.3		BS				
222	1623		185° 23'	" "	7.2	TH	+5.1	-2.1		316.8		-1020	-73	425623 581713	
223	693		" "	" "	6.2	-		-6.2		312.7		-691	-49	425952 581737	
224	363		" "	" "	9.0	-		-9.0		309.9		-362	-26	426281 581760	
225	33		" "	" "	5.1	-		-5.1		313.8		-33	-2	426610 581784	
π	24		208° 52' 14"	" "	4.6	-		-4.6		314.3	π	-21	-11	426922 581775 y=426,600 x=581,795 T-Intersect	
π	0				5.2	-		-5.2		313.7	π	0	0	426643 581786	
226	333		278° 01'	-13°	7.9	-		-7.9		311.0		+39	-331	426682 581455	
227	663		" "	" "	10.1	BH	-3.3	-13.4		305.5		+78	-658	426721 581288	
228	993		" "	" "	11.8	-		-11.8		307.1		+116	-986	426759 581800	
229	1323		" "	" "	16.9	TH	+6.6	-4.3		314.6		+155	-1314	426798 580472	
230	1653		278° 01'	" "	7.1	TH	+8.3	+1.2		320.1		+193	-1642	426836 580444	
231	1983		277° 43'	" "	11.1	TH	+9.9	-1.2		317.7		+222	-1971	426865 579815	
π	2292		276° 40' 14"	" "	16.4	89° 50'	+6.7	-3.7		315.3	TP	+215	-2282	426858 579504 y=426,830 x=579,500 T-Inter. EL. 314.0	
π	2292				10.1	270°	+6.7	-3.4	3263		TP				
	2696		181° 58' 09"	-13°	+4.5	BH	+13.5	+18.0	333.0		BS	+2696	+31		
	2696				+4.0	BH 270°	+13.5	+17.5	347.3		BS				
232	2641		181° 47'	" "	5.1	BH	-13.2	-18.3		314.7		-2641	-22	426913 579513	
233	2310		" "	" "	6.9	BH	-11.6	-18.5		314.5		-2310	-19	427244 579516	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-14-84		B. Cotcamp		R. Trowbridge		6834		C.V. B.C.		12		17			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		HARTS FIELD-7 1/2		GEORGIA		Calquitt								L.O Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									333.0						
234	1980		181° 47'	-1.3°	11.3	BH	-9.9	-21.2		311.8		-1980	-17	427,574	579,518
235	1650		" "	" "	10.6	BH	-8.3	-18.9		314.1		-1650	-14	427,904	579,521
236	1320		" "	" "	10.1	BH	-6.6	-16.7		316.3		-1320	-11	428,234	579,524
237	990		181° 47'	" "	9.9	BH	-5.0	-14.9		318.1		-990	-8	428,564	579,527
238	660		" "	" "	12.0	-		-12.0		321.0		-660	-6	428,894	579,529
239	330		" "	" "	8.7	-		-8.7		324.3		-330	-3	429,224	579,532
240	0				5.2	-		-5.2		327.8	T	0	0	429,554	579,535
241	330		1° 49'	-1.3°	5.5	TM	+1.7	-3.8		329.2		+330	+3	429,884	579,538
242	435		0° 51' 17"	" "	3.6	-		-3.6		329.4	H	+435	-3	429,989	579,532
243	660		1° 49'	" "	7.0	TM	+3.3	-3.7		329.3		+660	+6	430,214	579,541
244	990		" "	" "	5.0	-		-5.0		328.0		+990	+9	430,544	579,544
245	1320		" "	" "	7.0	-		-7.0		326.0		+1320	+12	430,874	579,547
246	1650		" "	" "	6.1	-		-6.1		326.9		+1650	+15	431,204	579,550
247	1980		1° 49'	-1.3°	4.3	-		-4.3		328.7		+1980	+18	431,534	579,553
248	2310		" "	" "	3.2	-		-3.2		329.8		+2310	+21	431,864	579,556
249	2640		" "	" "	9.2	89° 52'	+6.1	-3.1		329.9		+2640	+24	432,194	579,559
250	2970		" "	" "	9.9	89° 52'	+6.9	-3.0		330.0		+2970	+27	432,524	579,562
250	3299		1° 50' 27"	" "	12.3	89° 52'	+7.7	-4.6		328.6	TP	+3299	+31	432,854	579,565
250	3299				11.8	270° 08'	+7.7	-4.1	-4.3		TP				

y=429,995 x=579,520
+ fence line EL. 328.0

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 3.14.84	INSTRUMENT MAN B. Cotcamp	ROD MAN W. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY B.C.	LINE NO. 12	PAGE 18
AREA GEORGIA	TOPO MAP HARTSFIELD-7 1/2'	STATE GEORGIA	COUNTY Colquitt	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										328.6				
	1650		181° 43' 12"	-1.3° +	10.9	-		+10.9	339.3		BS	+1650	+12	
	1650			+10.6	270° -		+10.6				BS	-3		
251	1320		181° 48'	" "	8.1	90° 20'	-7.7	-15.8		323.5		-1320	-12	433,180 579,566
252	990		" "	" "	9.9	90° 30'	-8.6	-18.5		320.8		-990	-9	433,510 579,569
253	660		" "	" "	10.5	90° 30'	-5.8	-16.3		323.0		-660	-6	433,840 579,572
254	330		" "	" "	8.7	90° 30'	-2.9	-11.6		327.7		-330	-3	434,170 579,575
#	245		183° 24' 56"	" "	4.4	90° 30'	-2.1	-6.5		332.8	#	-245	-9	434,255 579,569 # 4 way inter.
255	0				5.2	-		-5.2		334.1	T	0	0	434,500 579,578
256	239		315° 30'	-1.3°	6.4	88° 30'	+6.3	-0.1		339.2		+167	-171	434,667 579,407 90° corner
257	529		289° 53'	" "	5.9	88° 30'	+13.8	+7.9		347.2		+169	-501	434,669 579,977
258	849		283° 00'	" "	6.7	88° 40'	+19.7	+13.0		352.3		+172	-831	434,672 578,747 90° corner
259	1063		295° 54' 22"	" "	8.4	88° 50'	+21.6	+13.2		352.5	TP	+443	-966	434,940 578,612
259	1063				8.3	271° 10'	+21.6	+13.3			TP	-3		
	2309		175° 36' 25"	-1.3° +	2.0	-		+2.0	351.2		BS	+2298	-229	
	2309				1.5	270° -		+1.5			BS	-3		
260	1980		175° 17'	" "	7.1	-		-7.1		347.1		-1969	+208	435,266 578,591
261	1650		174° 58'	" "	11.1	-		-11.1		343.1		-1640	+182	435,595 578,565
262	1320		" "	" "	6.8	BH	-6.6	-13.4		340.8		-1312	+146	435,923 578,529
263	990		" "	" "	11.7	-		-11.7		342.5		-984	+109	436,251 578,492
264	660		" "	" "	9.8	-		-9.8		344.4		-656	+73	436,579 578,456

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.14.84		B. Cotcamp		R. TROWBRIDGE		6834		C.J. B.C.		12		19			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		HARTSFIELD-7 1/2'		GEORGIA		COLQUITT								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									354.2						
265	330		174° 58'	-1.3°	7.9	89° -	+5.8	-2.1		352.1		-328	+36	436,907	578,419
266	0				5.2	-		-5.2		349.0	X	0	0	437,235	578,383
267	330		346° 50'	-1.3°	5.8	90° 50'	-4.8	-10.6		343.6		+320	-82	437,555	578,301
268	660		346° 41'	--	4.8	90° 50'	-9.6	-14.4		339.8		+639	-167	437,874	578,216
269	990		346° 25'	--	9.4	BM	-5.0	-14.4		339.8		+957	-254	438,192	578,129
270	1320		346° 20'	--	10.9	-		-10.9		343.3		+1275	-341	438,510	578,042
271	1650		346° 09' 52"	--	10.5	-		-10.5		343.8	TP	+1593	-431	438,828	577,952
271	1650				10.2	270° -		-10.2			TP				
	1119		171° 35' 00"	-1.3°	8.5	TH	-5.6	+2.9		346.5	BS	+1103	-189		
	1119				8.2	TH 270° -	-5.6	+2.6			BS				
272	797		175° 39'	--	10.0	90° 20'	-4.6	-14.6		331.9		-793	+78	439,138	577,841
273	472		181° 34'	--	6.9	90° 20'	-2.7	-9.6		336.9		-472	-12	439,459	577,761
274	142		-	--	5.8	90° 20'	-0.8	-6.6		339.9		-142	-1	439,729	577,762
X	0				5.2	-		-5.2		341.3	X	0	0	439,931	577,763
275	188		3° 42'	-1.3°	5.5	-		-5.5		341.0		+188	+8	440,119	577,771
276	504		14° 39'	--	9.3	-		-9.3		337.2		+490	+116	440,421	577,879
277	808		25° 21'	--	9.9	-		-9.9		336.6		+738	+329	440,669	578,092
278	1129		20° 41'	--	5.8	-		-5.8		340.7		+1065	+375	440,916	578,138
1#	1294		18° 21' 20"	--	5.3	89° 50'	+3.8	-1.5		345.1	TP	+1237	+380	441,168	578,143
1#	1294				5.0	270° 10'	+3.8	-1.2			TP				

y=441,195 x=578,150
1# y-inter. EL. 344.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-15-84		B. Cotranp		R. Trowbridge		6834		B.C.		12		20			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		HARTSFIELD-7 1/2'		GEORGIA		Col. Quit								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
										345.1					
	508		202° 35' 36"	-1.3°	8.1	89°	-8.9	-0.8	344.3		BS	+473	+184		
	508				+6.6	89° 10'	-7.4	-0.8			BS				
279	359		209° 37'	--	6.0	89° 10'	+5.2	-0.8		343.5		-316	-170	441,325	578,157
280	39		220° 19'	--	6.0	89° 10'	+0.6	-5.4		338.4		-30	-25	441,641	578,302
π	0				5.2	-		-5.2		339.1	π	0	0	441,641	578,327
281	291		55° 46'	-1.3°	5.3	87° 50'	+11.0	+5.7		350.0		+169	+237	441,810	578,564
TP	439		52° 46' 45"	--	7.4	87° 50'	+16.6	+9.2		353.5	TP	+273	+343	441,914	578,670
TP	439				6.1	88°	+15.3	+9.2			TP				
	1495		182° 05' 22"	--	+7.5	BM	+7.5	+15.0	368.4		BS	+1495	+21		
	1495				+7.3	BM 270'	+7.5	+14.8	+14.93		BS				
282	1320		181° 45'	-1.3°	9.1	BM	-6.6	-15.7		352.7		-1320	-10	442,089	578,681
283	990		" "	--	11.0	-		-11.0		357.4		-990	-8	442,419	578,683
IF	740		182° 28' 53"	--	6.4	-		-6.4		362.0	IF	-740	-15	442,169	578,676
284	660		181° 45'	--	6.7	-		-6.7		361.7		-660	-5	442,749	578,686
285	330		" "	--	6.0	-		-6.0		362.4		-330	-3	443,079	578,688
286	0				5.2	-		-5.2		363.2	π	0	0	443,409	578,691
287	330		1° 58'	-1.3°	6.8	91° 40'	-9.6	-16.4		352.0		+330	+4	443,739	578,695
288	660		" "	--	8.7	91° 40'	-19.2	-27.9		340.5		+660	+8	444,069	578,699
TP	893		2° 12' 27"	--	7.5	91° 40'	-26.0	-33.5		334.9	TP	+893	+14	444,302	578,705
TP	893				10.0	91° 30'	-23.4	-33.4			TP				

IF - 442,690 x - 578,690
IF 7 - Enter

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.15.84		B. Cotcamp		R. Trowbridge		6834		BC		12		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		HARTSFIELD-7 1/2		GEORGIA		Colquitt								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
										334.9					*
	1004		259° 06 09"	-1.3°	8.1	90° 40'	+11.7	+19.8			BS	+212	+981		
	1004				8.0	269° 20'	+11.7	+19.7	354.6		BS				
289	846		257° 00'	--	11.0	90° 40'	-9.8	-20.8		333.8		-209	-820	444305	578,866
290	537		247° 12'	--	11.8	90° 40'	-6.2	-18.0		336.6		-219	-490	444295	579,196
291	277		216° 51'	--	8.8	90° 30'	-2.4	-11.2		343.4		-225	-161	444289	579,525 90° corner
292	0				5.2	-		-5.2		349.4	TP	0	0	444514	579,686
293	330		2° 15' 13"	-1.3°	6.4	89° 20'	+3.8	-2.6		352.0		+330	+5	444844	579,691
294	660		--	--	7.8	89° 20'	+7.7	-0.1		354.5		+660	+11	445174	579,697
295	990		--	--	7.9	89° 20'	+11.5	+3.6		358.2		+990	+16	445504	579,702
296	1320		2° 15' 13"	--	8.0	89° 20'	+15.4	+7.4		362.0	TP	+1320	+22	445834	579,708
296	1320				4.1	89° 30'	+11.5	+7.4			TP				
	4728		181° 08 45"	-1.3°	4.7	89° 54'	-8.3	-3.6	358.1		BS	+4728	-13		
	4728				4.2	270° 06'	-8.3	-4.1	358.3		BS				
297	4398		181° 06'	--	6.8	89° 56'	+5.1	-1.7		356.4		-4398	+15	446164	579,710
298	4068		--	--	13.0	89° 56'	+7.7	-8.3		349.8		-4068	+14	446494	579,709
299	3738		--	--	7.8	-		-7.8		350.3		-3738	+13	446824	579,708
300	3408		181° 06'	-1.3°	10.9	-		-10.9		347.2		-3408	+12	447154	579,707
301	3078		--	--	12.7	90° 08'	-7.2	-19.9		338.2		-3078	+11	447484	579,706
302	2748		--	--	11.6	90° 14'	-11.2	-22.2		335.9		-2748	+10	447814	579,705
303	2418		--	--	12.7	90° 18'	-12.7	-25.4		332.7		-2418	+8	448144	579,703

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-15-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	C.J. B.C.	LINE NO.	12	PAGE	22	
AREA	GEORGIA	TOPO MAP	HARTSFIELD -7 1/2	STATE	GEORGIA	COUNTY	Col Quit	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									358.1					
304	2088		181° 06'	-1.3	12.7	90° 18'	-10.9	-23.6		334.5		-2088	+7	448,494 579,702
305	1758		" "	" "	11.8	90° 18'	-9.2	-21.0		337.1		-1758	+6	448,804 579,701
306	1428		" "	" "	12.1	90° 06'	-2.5	-14.6		343.5		-1428	+5	449,134 579,700
307	1098		" "	" "	8.1	90° 06'	-1.9	-10.0		348.1		-1098	+4	449,464 579,699
308	768		" "	" "	5.3	-		-5.3		352.8		-768	+3	449,794 579,698
#	737		181° 33' 28"	" "	4.2	-		-4.2		353.9	#	-737	-3	449,825 579,692 ^{449,825 x - 579,685} 4 way int. EL. 352
309	438		179° 58'	" "	6.7	89° 30'	+3.8	-2.9		355.2		-438	+10	450,124 579,705
310	107		" "	" "	4.7	89° 30'	+0.9	-3.8		354.3		-107	+2	450,455 579,697
X	0				5.2	-		-5.2		352.9	X	0	0	450,562 579,695
311	223		354° 40'	-1.3	6.6	90° 50'	-3.2	-9.8		348.3		+222	-26	450,784 579,669
312	553		351° 55'	" "	7.3	91° 10'	-11.3	-18.6		339.5		+546	-90	451,108 579,605
313	883		349° 23'	" "	5.8	91° 10'	-18.0	-23.8		334.3		+864	-182	451,972 579,513
314	1212		348° 08'	" "	10.7	90° 40'	-14.1	-24.8		333.3		+1180	-276	452,288 579,419
315	1541		347° 27'	-1.3	8.2	90° 40'	-17.9	-26.1		332.0		+1496	-369	452,604 579,326
316	1871		347° 02'	" "	6.3	90° 40'	-21.8	-28.1		330.0		+1813	-461	452,921 579,234
317	2201		346° 48'	" "	10.9	90° 40'	-25.6	-32.5		321.6		+2131	-551	453,239 579,144
318	2531		346° 36'	" "	10.2	90° 40'	-29.4	-39.6		318.5		+2448	-642	453,556 579,053
319	2861		346° 26'	" "	10.9	90° 40'	-33.3	-44.2		313.9		+2765	-734	453,873 578,961
320	3191		346° 16'	" "	6.6	90° 34'	-31.6	-38.2		319.9		+3082	-828	454,190 578,867

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.15.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	CJ, B.C.	LINE NO.	12	PAGE	23	
AREA	Georgia	TOPO MAP	DOERUN-7/2'	STATE	Georgia	COUNTY	Colquitt	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									358.1						
321	3521		346° 13'	-1.3°	6.3	90° 32'	-32.8	-39.1		319.0		+3400	-916	454,508 578,779	HARTSFIELD - 7 1/2' ↑
322	3851		346° 24' 04"	-	3.8	90° 30'	-33.6	-37.4			TP	+3721	-990	454,282 578,706	DOERUN - 7 1/2' ↓
322	3851				3.5	269° 30'	-33.6	-37.1	-37.33	320.8	TP	-1	+1		
	1980		178° 19' 24"	-1.3°	12.9	91° 04'	+36.9	+49.8	370.5		BS	+1977	-103		
	1980				12.7	268° 56'	+36.9	+49.6	49.73		BS	-2	+1		
323	1650		178° 22'	-1.3°	12.2	91° 10'	-33.6	-45.8		324.7		-1648	+84	454,610 578,688	
324	1320		-	-	11.4	91° 10'	-26.9	-38.3		332.2		-1318	+68	454,940 578,672	
325	990		-	-	7.8	91° 10'	-20.2	-28.0		342.5		-989	+51	455,269 578,655	
326	660		-	-	8.0	91° 10'	-13.4	-21.4		349.1		-659	+34	455,699 578,638	
327	330		-	-	7.9	-	-	-7.9		362.6		-330	+17	455,928 578,621	
328	0				5.2	-	-	-5.2		365.3	TP	0	0	456,258 578,604	
329	330		359° 03'	-1.3°	8.7	-	-	-8.7		361.8		+330	-13	456,588 578,591	
330	660		0° 47'	-	11.0	04	-3.3	-14.3		356.2		+660	-6	456,918 578,598	
331	990		2° 05'	-	8.9	04	-5.0	-13.9		356.6		+990	+14	457,248 578,618	
332	1320		3° 05'	-	8.8	-	-	-8.8		361.5		+1319	+41	457,577 578,645	
333	1650		3° 32'	-	6.2	-	-	-6.2		364.3		+1649	+64	457,906 578,668	
334	1980		3° 42'	-	11.3	-	-	-11.3		359.2		+1978	+83	458,236 578,687	
334	1976		3° 21' 22"	-	11.5	-	-	-11.5		359.0	TP	+1975	+71	458,233 578,675	458,225 x - 578,700 4 way int. EL. 358.0
335	2308		3° 38' 28"	-1.0°	13.4	-	-	-13.4			TP	+2306	+106	458,564 578,710	
335	2308				13.1	270	-	-13.1	-13.33	357.2	TP	-3			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-15-84		B. Cotcamp		A. Trowbridge		6834		C.J. B.C.		12		24			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DOERUN - 7 1/2'		GEORGIA		COLQUITT								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
										357.2					
	3962		182° 30' 11"	-1.0	+10.8	89° 26'	-39.2	-28.4	328.8		BS	+3960	+104		
	3962				+10.7	270° 34'	-39.2	-28.5		BS		-3	-1		
336	3630		182° 30'	--	11.0	89° 28'	+33.8	+22.8		351.6		-3629	-95	458896	578.718
337	3300		--	--	7.7	89° 28'	+30.7	+23.0		351.8		-3299	-86	459221	578.727
338	2970		--	--	8.3	89° 20'	+34.5	+26.2		355.0		-2969	-78	459510	578.735
339	2640		--	--	5.3	89° 20'	+23.0	+17.7		346.5		-2639	-69	459881	578.744
340	2310		182° 30'	-1.0	8.6	89° 40'	+13.4	+4.8		333.6		-2309	-60	460211	578.753
341	1980		--	--	9.5	89° 40'	+11.5	+2.0		330.8		-1979	-52	460541	578.761
342	1650		--	--	11.7	TH	+8.3	-3.5		325.3		-1649	-43	460871	578.770
343	1320		--	--	10.9	--	--	-10.9		317.9		-1320	-35	461200	578.778
44	1200		183° 05' 38"	--	11.0	--	--	-11.0		317.8	44	-1199	-44	461321	578.769
344	990		182° 30'	--	11.6	--	--	-11.6		317.2		-990	-26	461530	578.787
345	660		--	--	10.2	--	--	-10.2		318.6		-660	-17	461860	578.796
346	330		--	--	7.5	--	--	-7.5		321.3		-330	-9	462190	578.804
347	0		--	--	5.2	--	--	-5.2		323.6	π	0	0	462520	578.813
348	330		2° 55'	-1.0	7.0	89° -	+5.8	-1.2		327.6		+330	+11	462850	578.824
349	660		2° 08'	--	9.8	89° -	+11.5	+1.7		330.5		+660	+13	463180	578.826
350	990		0° 45'	--	9.9	89° 10'	+14.4	+4.5		333.3		+990	-4	463510	578.809
351	1319		359° 51'	--	12.1	89° 10'	+19.2	+7.1		335.9		+1319	-26	463839	578.787
352	1649		359° 13'	--	8.1	89° 20'	+19.2	+11.1		339.9		+1648	-51	464168	578.762

y = 461,321 x = 578,790
 44 Curvet EL. 317.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3.15.84		B. Cotcamp		R. Trowbridge		6834		C. J. B.C.		12		25				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		DOERUN - 7 1/2'		GEORGIA		COLQUITT								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									328.8							
IF	1912		358° 30' 31"	-1.0	5.5	89° 20'	+22.2	+16.7		345.5	IF	+1910	-83	464,430	578,730	y=464,420 x=578,735 IF T-Inter. El.
353	1979		358° 48'	"	5.0	89° 20'	+23.0	+18.0		346.8		+1978	-76	464,498	578,737	
354	2308		358° 53'	"	7.1	89° 10'	+33.6	+26.5		355.3		+2306	-85	464,826	578,728	
355	2637		359° 27'	"	11.1	89° -	+46.0	+34.9		363.7		+2636	-71	465,156	578,742	
TP	2795		359° 17' 45"	"	10.3	89° -	+48.8	+38.5		367.3	TP	+2793	-83	465,307	578,731	
TP	2795				10.2	271° -	+48.8	+38.6			TP	-3	+1			
	2155		194° 58' 44"	-1.1	11.4	-	+11.4		378.4		BS	+2092	+517			
	2155				10.9	270° -	+10.9		371.3		BS	-3	+1			
356	1978		194° 49'	"	11.4	-	-11.4			367.0		+1922	-469	465,477	578,780	
357	1650		195° 32'	"	12.0	-	-12.0			366.4		-1598	-411	465,801	578,838	
±I	1430		196° 05' 58"	"	9.8	-	-9.8			368.6	±I	-1381	-370	466,018	578,879	y=466,005 x=578,895 ±I T-Intersect El. 367.0
358	1320		195° 47'	"	9.2	-	-9.2			369.2		-1277	-335	466,122	578,914	
359	990		196° 01'	"	6.6	-	-6.6			371.8		-957	-255	466,442	578,994	
360	660		196° 30'	"	7.2	TH	+3.3	-3.9		374.5		-636	-175	466,763	579,074	
361	330		197° 41'	"	4.6	TH	+1.7	-2.9		375.5		-316	-94	467,083	579,155	
362	0				5.2	-	-5.2			373.2	π	0	0	467,396	579,249	
363	330		31° 42'	-1.1	6.5	-	-6.5			371.9		+284	+168	467,680	579,417	
364	660		34° 06'	"	7.8	-	-7.8			370.6		+554	+359	467,950	579,608	
IF	653		32° 59' 12"	"	7.5	-	-7.5			370.9	IF	+554	+345	468,250	579,594	y=467,900 x=579,600 IF T-Inter. El. 372.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.15.84		B. Cotcamp		R. Trowbridge		6834		C.J. B.C.		12		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DOERN-7 1/2'		GEORGIA		COCAHUT								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									378.4						
365	990		34° 55'	-1.1°	8.8	-		-8.8		369.6		+823	+551	468,222	579,800
366	1314		32° 21'	--	10.0	-		-10.0		368.4		+1123	+682	468,522	579,931
367	1616		27° 10'	--	6.2	-		-6.2		372.2		+1452	+710	468,851	579,959
368	1922		22° 58'	--	6.2	89° 46'	+7.8	+1.6		383.4		+1784	+716	469,183	579,965
369	2232		19° 47' 41"	--	12.4	89° 30'	+19.5	+7.1		385.6	TP	+2114	+715	469,507	579,965
369	2232				12.1	276° 36'	+19.5	+7.4	+7.23		TP	-3	+1		
	4292		182° 00' 19"	-1.2°	13.2	-		+13.2	+12.73	398.3	BS	+4292	+60		
	4292				+12.3	270° -		+12.3	+12.73		BS	-3	+1		
370	3960		182° 00'	--	9.2	90° 04'	-4.6	-13.8		384.5		-3960	-55	469,839	579,971
371	3630		" "	--	12.0	90° 04'	-4.2	-16.2		382.1		-3630	-51	470,169	579,975
372	3300		" "	--	13.0	90° 10'	-9.6	-22.6		375.7		-3300	-46	470,499	579,980
373	2970		182° 00'	-1.2°	5.8	90° 30'	-25.9	-31.7		366.6		-2970	-41	470,829	579,985
374	2640		" "	--	12.7	90° 30'	-23.0	-35.7		362.6		-2640	-37	471,159	579,989
375	2310		" "	--	10.1	90° 30'	-20.2	-30.3		368.0		-2310	-32	471,489	579,994
376	1980		" "	--	10.3	90° 30'	-17.3	-27.6		370.7		-1980	-28	471,819	579,998
#1	1943		182° 21' 31"	-1.2°	10.2	90° 30'	-17.0	-27.2		371.1	#1	-1943	-39	471,856	579,987
377	1650		182° 00'	--	8.7	90° 30'	-14.4	-23.1		375.2		-1650	-23	472,149	580,003
378	1320		" "	--	4.7	90° 30'	-11.5	-16.2		382.1		-1320	-18	472,479	580,008
379	990		" "	--	11.8	-		-11.8		386.5		-990	-14	472,809	580,012
380	660		" "	--	10.1	-		-10.1		388.2		-660	-9	473,139	580,017

y=471.880 x=579.990
#1 T-inter. EL 370.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.15.84		B. Cotcamp		R. Trowbridge		6834		C.Y. B.C.		12		27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		DOERN-7 1/2'		GEORGIA		COLQUITT								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
									398.3						
381	330		182° 00'	-1.2°	7.5	-		7.5		390.8		-330	-5	473,466	580,021
382	0				5.2	-		-5.2		393.1	+	0	0	473,796	580,026
383	330		2° 00'	--	6.8	-		-6.8		391.5		+330	+5	474,226	580,031
384	660		" "	--	10.3	BM	-3.3	-13.6		384.7		+660	+9	474,456	580,035
385	990		" "	--	10.0	-		-10.0		388.3		+990	+14	474,786	580,040
386	1320		" "	--	7.0	-		-7.0		391.3		+1320	+18	475,116	580,044
387	1650		2° 00'	-1.2°	10.6	-		-10.6		387.7		+1650	+23	475,446	580,049
388	1980		" "	--	5.1	BM	-9.9	-15.0		383.2		+1980	+28	475,776	580,054
389	2310		" "	--	13.5	-		-13.5		384.8		+2310	+32	476,106	580,058
390	2640		" "	--	11.2	-		-11.2		387.1		+2640	+37	476,436	580,063
391	2970		2° 00'	-1.2°	10.4	-		-10.4		387.9		+2970	+41	476,466	580,067
392	3300		" "	--	11.6	-		-11.6		386.7		+3300	+46	477,096	580,072
393	3630		" "	--	12.4	-		-12.4		385.9		+3630	+51	477,426	580,077
BM	3976		1° 49' 15"	--	9.1	-		-9.1		389.2	BM	+3976	+43	477,772	580,069
BM	4107		1° 12' 46"	--	14.6	89° 55'	+6.0	-8.6		389.7	BM	+4107	+1	477,900	580,030
BM	4107			--	13.9	276° 05'	+6.0	-7.9	-8.33		BM	-3	+3	L	

E.O.L. Line #12
 477.765 x - 580,090
 R.P. TRACKS
 3 - 477,900 x - 580,030
 U.S.C.+G.S. BM EL. 389.0
 5-163
 1957 EL. 389.2 Horiz. = 3
 CORR. X = +8