

URVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
3-20-84		B. Cotcamp		R. Trowbridge		6834		C.J. R.T.		13		1							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
GEORGIA		Leslie S.E. - 7 1/2'		GEORGIA		LEE								L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTting 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				
IF T-Intersect		Elevat.	234.0		636.820		545.930			234.0	IK								3-636.820 x - 545.930 IF T-Inter. EL. 234.0
	1281		189° 26' 24"	-1.2°	+9.7	-		+9.7	243.6		BS	+1268	+184						
	1281				+9.5	270° -		+9.5	+9.6		BS								
TP	520		130° 27' 15"	--	6.8	-		-6.8		236.8		-329	+403	637,759	546,517				
1	0				5.2	-		-5.2		238.4	IK	0	0	638,088	546,114			B.O.L. line # 13	
2	330		32° 55'	-1.2°	5.0	-		-5.0		238.6		+281	+173	638,369	546,287				
3	635		19° 27'	--	6.8	TU	+3.2	-3.6		240.0		+603	+199	638,691	546,313				
TP	883		11° 56' 12"	--	4.7	-		-4.7		238.9	TP	+868	+165	638,956	546,279				
TP	883				4.6	270° -		-4.6			TP								
	2049		173° 07' 20"	-1.2°	13.5	-		+13.5	252.3		BS	+2029	-288						
	2049				+13.3	270° -		+13.3	+13.4		BS								
4	1981		173° 11'	--	13.0	-		-13.0		239.3		-1962	+276	639,032	546,267				
5	1650		" "	--	11.3	-		-11.3		241.0		-1634	+230	639,351	546,221				
6	1320		173° 02'	--	11.7	-		-11.7		240.6		-1367	+188	639,678	546,179				
7	990		172° 47'	--	10.4	-		-10.4		241.9		-979	+145	640,006	546,136				
8	660		172° 29'	--	10.0	-		-10.0		242.3		-652	+100	640,333	546,091				
IK	488		173° 48' 49"	--	9.3	-		-9.3		243.0	IK	-484	+63	640,501	546,054			4-640,525 x - 546,055 IF Y-Inter. EL. 341.0	
9	330		173° 31'	--	8.7	-		-8.7		243.6		-327	+44	640,658	546,035				
10	0				5.2	-		-5.2		247.1	IK	0	0	640,985	545,991				
11	330		3° 45'	-1.2°	4.8	-		-4.8		247.5		+330	+15	641,315	546,006				
12	660		4° 02'	--	4.9	-		-4.9		247.4		+659	+33	641,644	546,024				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
3.20.84		B. Colcamp		R. Trowbridge		6834		R.T.		13		2							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
GEORGIA		LESLIE S.E. - 7/2'		GEORGIA		LEE								L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									252.3										
13	990		3° 04'	-1.2	5.0	-		-5.0		247.3		+989	+32	641974	546,023				
14	1320		2° 26'	"	10.7	TM	+6.6	-4.1		248.2		+1320	+28	642305	546,019				
15	1650		2° 06'	"	10.1	TM	+8.3	-1.8		250.5		+1650	+26	642635	546,017				
16	1980		1° 37'	"	10.5	TM	+9.9	-0.6		251.7		+1980	+14	642965	546,005				
17	2310		1° 34'	"	10.3	TM	+11.6	+1.3		253.6		+2310	+15	643295	546,006				
18	2640		" "	"	11.7	TM	+13.2	+1.5		253.8		+2640	+17	643625	546,008				
19	2974		1° 30' 11"	"	11.8	TM	+14.9	+3.1		255.5	TP	+2974	+16	643955	546,007				
19	2974				11.5	TM 270°	+14.9	+3.4	+3.2'}		TP								
	3988		176 28 11	-1.2	10.7	90° 06'	+7.0	+17.7	+273.0		BS	+3974	-329						
	3988				10.4	269° 54'	+7.0	+17.4	+17.5'}		BS								
20	3663		176 12'	"	9.3	90° 06'	-6.4	-15.7		257.3		-3649	+319	644284	545,977				
21	3333		" "	"	8.3	90° 06'	-5.8	-14.1		258.9		-3320	+290	644613	545,968				
22	3003		" "	"	7.4	90° 06'	-5.3	-12.7		260.3		-2992	+262	644941	545,940				
23	2673		176 12'	-1.2	7.2	90° 06'	-4.7	-11.9		261.1		-2663	+233	645270	545,911				
24	2343		" "	"	7.1	90° 06'	-4.1	-11.2		261.8		-2334	+204	645599	545,882				
25	2013		" "	"	6.5	90° 06'	-3.5	-10.0		263.0		-2005	+175	645928	545,853				
26	1683		176 03'	"	4.9	90° 06'	-2.9	-7.8		265.2		-1676	+151	646257	545,829				
27	1353		175° 50'	"	5.9	-		-5.9		267.1		-1347	+127	646586	545,805				
28	1022		175° 21'	"	5.0	-		-5.0		268.0		-1017	+104	646916	545,782				
29	695		173° 35'	"	8.0	TM	+3.5	-4.5		268.5		-689	+92	647244	545,770				

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DATE	3-20-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. TROWBRIDGE	PARTY NUMBER	6834	NOTES CHECKED BY	C.J. R.T.	LINE NO.	13	PAGE	3	
AREA	GEORGIA	TOPO MAP	LESLIE S.E. - 1/2'	STATE	GEORGIA	COUNTY	LEE	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 273.0	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
30	372		165° 42'	-1.2°	5.0	-		-5.0		268.0		-358	+99	647575	545.777			
31	143		103° 58'	"	5.1	-		-5.1		267.9		-32	+139	647901	545.817			
π	0				5.2	-		-5.2		267.8	π	0	0	647933	545.678			
31/π	304		37° 08' 16"	-1.2°	4.9	-		-4.9		268.1	π	+246	+178	648179	545.856			y=648,070 x=545,835 K y - Int. El. 267.0
32	360		39° 33'	"	5.1	-		-5.1		267.9		+282	+223	648215	545.901			
33	690		" "	"	5.2	-		-5.2		267.8		+541	+428	648474	546.106			
34	1020		" "	"	4.9	-		-4.9		268.1		+800	+633	648733	546.311			
35	1350		" "	"	11.0	TH	+6.8	-4.2		268.8		+1059	+838	648992	546.516			
36	1680		" "	-1.2°	4.7	-		-4.7		268.3		+1318	+1042	649251	546.720			
37	2010		39° 54'	"	5.8	-		-5.8		267.2		+1569	+1257	649502	546.935			
38	2340		46° 03'	"	7.6	-		-7.6		265.4		+1822	+1468	649755	547.146			
39	2670		" "	"	8.7	-		-8.7		264.3		+2079	+1675	650012	547.353			
TP	2756		39° 44' 20"	"	13.8	89° 54'	+4.8	-9.0		264.1	TP	+2156	+1717	650089	547.395			
TP	2756				13.5	270° 06'	+4.8	-8.7	89° 3'		TP							
	1235		179° 13' 10"	-1.2°	4.4	TH	-6.2	-1.8	262.3		BS	+1234	-43					
	1235				1.8	89° 50'	-3.6	-1.8			BS							
40	990		178° 26'	"	7.7	89° 30'	+8.6	+0.9		263.2		-989	+48	650334	547.400			
41	660		" "	"	6.0	89° 30'	+5.8	-0.2		262.1		-659	+32	650664	547.384			
42	330		" "	"	6.3	89° 30'	+2.9	-3.4		258.9		-330	+16	650993	547.368			
43	0				5.2	-		-5.2		257.1	π	0	0	651323	547.352			
Bm	174		0° 04' 18"	-1.2°	3.6	-		-3.6		258.7	Bm	+174	-3	651497	547.349			y=651,513 x=547,349 U.S.G.S. Bm EL. 257.8

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.20.84		B. Cotcamp		R. Trowbridge		6834		C.Y. R.T.		13		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		LESLIE S.E. - 7 1/2		GEORGIA		LEE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									262.3						
44	330		355° 16'	-1.2°	8.5	-		-8.5		253.8		+328	-34	65165	547,318
45	660		351° 02'	"	10.3	-		-10.3		252.0		+650	-117	651973	547,235
46	987		351° 56' 31"	"	7.5	90° 30'	-8.6	-16.1		246.3	TP	+974	-159	652297	547,193
46	987				7.3	269° 30'	-8.6	-15.9	-16.0 1/2		TP				
	1454		188° 46' 35"	-1.2°	8.1	-		+8.1	-16.0 1/2	254.3	BS	+1441	+192		
	1454				7.9	270° -		+7.9	+8.0 1/2		BS				
47	1126		189° 04'	"	5.8	90° 40'	-13.1	-18.9		235.4		-1115	-154	652623	547,231
48	800		185° 52'	"	6.6	91° 10'	-16.3	-22.9		231.4		-797	-65	652941	547,320
49	475		181° 43'	"	10.7	91° 10'	-9.7	-20.4		233.9		-475	-4	653263	547,381
50	144		180° 43'	"	5.7	91° 10'	-2.9	-8.6		245.7		-144	+1	653594	547,386
$\bar{\pi}$	0				5.2	-		-5.2		249.1	$\bar{\pi}$	0	0	653738	547,385
51	186		2° 14'	-1.2°	5.2	89° 16'	+2.7	-2.5		251.8		+186	+3	653924	547,388
52	516		"	"	5.8	89° 50'	+1.5	-4.3		250.0		+516	+9	654254	547,393
53	846		"	"	6.2	89° 50'	+2.5	-3.7		250.6		+846	+15	654584	547,400
54	1176		2° 14'	"	5.3	89° 50'	+3.4	-1.9		252.4		+1176	+21	654914	547,406
55	1506		"	"	4.4	89° 50'	+4.4	±0.0		254.3		+1506	+27	655244	547,412
56	1836		"	"	6.9	89° 50'	+5.3	-1.6		252.7		+1836	+33	655574	547,418
57	2166		2° 22' 26"	"	5.0	-		-5.0		249.4	TP	+2166	+44	655904	547,429
57	2166				4.7	270° -		-4.7	-4.9 1/2		TP				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.20.84		B. Cotcamp		R. Trowbridge		6834		C.Y. RT		13		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		LESLIE S.E. - 7 1/2'		Georgia		LEE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
										249.4					
	2311		181° 38' 23"	-1.2°	11.5	90° 10'	+6.7	+18.2	267.7		BS	+2311	+18		
	2311				11.7	269° 50'	+6.7	+18.4	267.7		BS				
58	1980		181° 38'	--	4.8	90° 30'	-17.3	-22.1		245.6		-1980	-15	656,235	547,432
59	1650		181° 28'	--	10.7	90° 30'	-14.4	-25.1		242.6		-1650	-8	656,565	547,439
60	1320		181° 23'	--	7.1	90° 50'	-19.2	-26.3		241.4		-1320	-4	656,895	547,443
61	990		181° 04'	--	12.6	90° 50'	-14.4	-27.0		240.7		-990	+2	657,225	547,449
62	660		180° 41'	--	10.7	91° 20'	-15.4	-26.1		241.6		-660	+6	657,555	547,453
63	330		" "	--	8.9	90° 30'	-2.9	-11.8		255.9		-330	+3	657,885	547,450
64	0		" "	--	5.2	-		-5.2		262.5	TP	0	0	658,215	547,447
															AROUND 90 CORNER
65	308		314° 10'	-1.2°	6.5	89° 10'	+4.5	-2.0		265.7		+210	-225	658,425	547,222
66	632		304° 33'	--	7.9	89° 10'	+9.2	+1.3		269.0		+347	-528	658,562	546,919
67	958		301° 22'	--	7.2	89° 10'	+13.9	+6.7		274.4		+481	-828	658,696	546,619
68	1287		299° 37'	--	10.9	89° 10'	+18.7	+7.8		275.5		+612	-1132	658,827	546,315
69	1612		298° 28'	--	8.8	89° 20'	+18.7	+9.9		277.6		+739	-1433	658,954	546,014
TP	1766		298° 16' 52"	--	10.2	89° 20'	+20.5	+10.3		277.9	TP	+804	-1572	659,091	545,875
TP	1766			--	10.4	270° 40'	+20.5	+10.1	+10.2		TP				
	741		133° 39' 20"	-1.2°	7.2	-		+7.2	285.1		BS	+500	-547		
	741				3.5	84	+3.7	+7.2			BS				
70	558		131° 59'	--	6.2	-		-6.2		278.9		-364	+423	659,155	545,751
71	228		" "	--	6.7	-		-6.7		278.4		-149	+173	659,370	545,501

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	3.21.84	INSTRUMENT MAN	B. Cottramp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	C.Y. R.T.	LINE NO.	13	PAGE	6
AREA	GEORGIA	TOPO MAP	LESLIE S.E. - 7 1/2'	STATE	GEORGIA	COUNTY	LEE	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.	
									285.1					
π	0				5.2	-		-5.2		279.9	π	0	0	659,519 545,328
π	22		290° 02'	-1.2°	5.2	-		-5.2		279.9	π	+7	-21	659,526 545,307
72	132		17° 41'	--	6.0	-		-6.0		279.1		+127	+37	659,646 545,365
73	462		16° 40'	--	9.7	-		-9.7		275.4		+445	+123	659,964 545,451
74	792		15° 44' 11"	--	7.5	90° 50'	-11.5	-19.0		266.1	TP	+767	+199	660,286 545,527
74	792				9.7	90° 40'	-9.2	-18.9			TP			
	1648		195° 06' 19"	-1.2°	6.2	89° 32'	-13.4	-7.2	258.9		BS	+1600	+396	
	1648				6.3	270° 28'	-13.4	-7.1			BS			
75	1320		195° 06'	--	7.1	89° 50'	+3.8	-3.3		255.6		-1281	-317	660,605 545,606
76	990		" "	--	8.7	90° 20'	-5.8	-14.5		244.4		-961	-238	660,925 545,685
77	660		" "	--	10.0	91° -	-11.5	-21.5		237.4		-641	-159	661,245 545,764
78	330		" "	--	9.4	91° -	-5.8	-15.2		243.7		-320	-79	661,566 545,844
79	0				5.2	-		-5.2		253.7	π	0	0	661,886 545,923
80	330		19° 27'	-1.2°	3.6	89° 20'	+3.8	+0.2		259.1		+313	+103	662,199 546,026
81	660		21° 03'	--	6.6	89° 20'	+7.7	+1.1		260.0		+621	+224	662,507 546,147
82	990		22° 00'	--	9.5	89° 20'	+11.5	+2.0		260.9		+925	+352	662,811 546,275
83	1320		22° 18'	--	10.8	89° 20'	+15.4	+4.6		263.5		+1232	+475	663,118 546,398
84	1650		22° 35'	--	11.4	89° 20'	+19.2	+7.8		266.7		+1536	+602	663,422 546,525
85	1980		22° 47'	--	12.1	89° 20'	+23.0	+10.9		269.8		+1841	+728	663,727 546,651
86	2310		22° 53'	--	10.4	89° 20'	+26.9	+16.5		275.4		+2147	+853	664,033 546,776

Y=659,505 X=545,310  
TP 1-Inter. EL. 279.0

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-21-84		B. Cotcamp		R. Trowbridge		6834		C.Y. R.T.		13		7			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		LESLIE S.E. - 7 1/2'		GEORGIA		LEE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									258.9						
87	2641		22° 56' 22"	-1.2°	9.3	89° 20'	+30.7	+21.4			TP	+2453	+978	664339	546,901
87	2641				9.4	270° 40'	+30.7	+21.3	*	280.2	TP				
	1648		212° 22' 13"	--	7.5	TH	-8.2	-0.7		279.5	BS	+1410	+853		
	1648				7.6	TH	-8.2	-0.6			BS				
88	1320		213° 28'	-1.2°	5.8	89° 40'	+7.7	+1.9		281.4		-1116	-705	664633	547,049
89	990		" "	--	6.8	89° 40'	+5.8	-1.0		278.5		-837	-529	664912	547,225
90	660		" "	--	8.7	89° 40'	+3.8	-4.9		274.6		-558	-352	665191	547,402
91	330		" "	--	10.3	89° 40'	+1.9	-8.4		271.1		-279	-176	665470	547,578
91	217		216° 03' 15"	--	6.5	90° 30'	-1.9	-8.4		271.1	TI	-178	-124	665571	547,630
92	0				5.2	-		-5.2		274.3	T	0	0	665749	547,754
93	330		30° 10'	-1.2°	5.1	89° -	+5.8	+0.7		280.2		+289	+160	666038	547,914
94	660		28° 19'	--	5.9	89° -	+11.5	+5.6		285.1		+587	+301	666336	548,055
95	990		27° 31'	--	6.2	89° -	+17.3	+11.1		290.6		+887	+439	666636	548,193
96	1320		27° 13' 47"	--	7.6	89° -	+23.0	+15.4			TP	+1186	+579	666935	548,333
96	1320				7.7	271° -	+23.0	+15.3	*	294.8	TP				
	1321		207° 22' 19"	-1.2°	1.5	-		+1.5		296.3	BS	+1186	+583		
	1321				8.1	TH	-6.6	+1.5			BS				
97	990		207° 38'	--	5.6	TH	+5.0	-0.6		295.7		-887	-441	667234	548,475
98	660		207° 13'	--	5.0	TH	+3.3	-1.7		294.6		-593	-290	667528	548,626
99	330		205° 58'	--	4.7	TH	+1.7	-3.0		293.3		-300	-138	667821	548,778

9-665,500 x-547,665  
T-INT. EL. 271.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE	3.22.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. TROWBRIDGE	PARTY NUMBER	6834	NOTES CHECKED BY	R.Y. R.T.	LINE NO.	13	PAGE	8	
AREA	GEORGIA	TOPO MAP	Leslie S.E. - 7 1/2'	STATE	GEORGIA	COUNTY	LEE	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									296.3										
100	0				5.2	-		-5.2		291.1	T	0	0	668.21	548.916				
101	330		17° 48'	-1.2°	8.0	-		-8.0		288.3		+316	+94	668.436	549.010				
#	357		15° 09' 11"	"	8.5	-		-8.5		287.8	#	+346	+86	668.467	549.002	#	T-668.425 X-549.006	#	4 way inter.
102	659		15° 02'	"	11.5	-		-11.5		284.8		+640	+158	668.761	549.074				
103	989		14° 25'	"	11.4	-		-11.4		284.9		+963	+226	669.084	549.142				
104	1319		15° 00'	"	8.1	-		-8.1		288.2		+1281	+315	669.402	549.231				
105	1646		15° 45' 40"	-0.9°	6.4	-		-6.4		289.9	TP	+1591	+422	669.712	549.338				
105	1646				14.6	TM	+8.2	-6.4			TP								
	1650		208° 38' 41"	-0.9°	7.2	BH	+8.3	+15.5		305.3	BS	+1460	+768						
	1650				7.0	BH <sub>200</sub>	+8.3	+15.3		15.43	BS								
106	1320		208° 38'	"	11.4	-		-11.4		293.9		-1168	-614	670.004	549.492				
107	990		" "	"	8.1	-		-8.1		297.2		-876	-461	670.296	549.645				
108	660		" "	"	5.8	-		-5.8		299.5		-584	-307	670.588	549.799				
109	330		208° 14'	"	5.3	TM	+1.7	-3.6		301.7		-293	-152	670.879	549.954				
110	0				5.2	-		-5.2		300.1	T	0	0	671.172	550.106				
111	330		24° 20'	-0.9°	10.4	-		-10.4		294.9		+303	+131	671.475	550.237				
112	659		23° 01'	"	10.9	90° 30'	-5.8	-16.7		288.6		+611	+248	671.783	550.354				
113	988		22° 23'	"	6.0	90° 30'	-8.6	-14.6		290.7		+919	+362	672.091	550.468				
114	1318		22° 02'	"	5.1	90° 20'	-7.7	-12.8		292.5		+1229	+475	672.401	550.581				
115	1648		21° 45'	"	5.6	90° 20'	-9.6	-15.2		290.1		+1540	+587	672.712	550.693				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.22.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.	LINE NO.	13	PAGE	9	
AREA	GEORGIA	TOPO MAP	LESLIE, S.E. - 7 1/2'	STATE	GEORGIA	COUNTY	LEE	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.	
									305.3					
116	1978		21° 36'	-0.9°	6.1	90° 20'	-11.5	-17.6		287.7		+1850	+699	673,022 550,885
117	2308		21° 48' 45"	--	7.4	90° 20'	-13.4	-20.8		284.5	TP	+2156	+824	673,328 550,930
117	2308				7.3	269° 40'	-13.4	-20.7			TP			
	2309		208° 44' 02"	-- +	12.8	89° 20'	-26.9	-14.1	270.3		BS	+2042	+1078	
	2309			+	12.6	270° 46'	-26.9	-14.3	-14.2 3/4		BS			
118	1980		209° 18'	-0.9°	11.0	89° 20'	+23.0	+12.0		282.3		-1742	-942	673,628 551,046
119	1650		" "	--	7.4	89° 20'	+19.2	+11.8		282.1		-1451	-785	673,919 551,223
120	1320		209° 10'	--	8.0	89° 10'	+19.2	+11.2		281.5		-1163	-625	674,207 551,383
121	990		208° 42'	--	11.9	89° 10'	+14.4	+2.5		272.8		-876	-462	674,494 551,916
122	660		207° 38'	--	6.3	89° 50'	+1.9	-4.4		265.9		-589	-297	674,781 551,711
123	330		205° 20'	--	7.2	89° 50'	+1.0	-6.2		264.1		-300	-137	675,070 551,871
#	204		208° 15' 05"	--	6.9	89° 50'	+0.6	-6.3		264.0	#	-181	-94	675,189 551,914
124	0				5.2	-		-5.2		265.1	π	0	0	675,370 552,008
125	330		22° 44'	-0.9°	6.9	88° 20'	+9.6	+2.7		273.0		+306	+123	675,676 552,131
126	660		" "	--	5.8	88° 20'	+19.2	+13.4		283.7		+613	+245	675,983 552,253
127	990		" "	--	5.1	88° 20'	+28.8	+23.7		294.0		+919	+368	676,289 552,376
TP	1241		24° 06' 47"	--	5.8	88° 20'	+36.1	+30.3		300.6	TP	+1140	+489	676,510 552,497
TP	1241				5.7	271° 40'	+36.1	+30.4			TP			
	1394		212° 15' 56"	-- +	10.4	-		+10.4	310.8		BS	+1190	+726	
	1394			+	10.1	270°		+10.1	+10.2 3/4		BS			

LESLIE S.E. - 7 1/2' T  
WARWICK - 7 1/2' W  
y = 675,200 x = 551,950  
CREEK CROSSING.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
3.22.84		B. Cotcamp		R. TROWBRIDGE		6834		C.Y. R.T.		13	10			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
GEORGIA		WARWICK- 7 1/2'		GEORGIA		LEE					L. O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING 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.	
									310.8					
128	1318		211° 55'	-0.9°	9.7	-		-9.7		301.1		-1130	-679	676570 552,514
129	988		211° 22'	--	11.0	-		-11.0		299.8		-852	-501	672846 552,722
130	659		209° 16'	--	11.0	BH	-3.3	-14.3		296.5		-580	-313	677120 552,910
131	330		204° 41'	--	10.8	-		-10.8		300.0		-302	-133	672398 553,090
132	0				5.2	-		-5.2		305.6	X	0	0	677700 553,223
133	330		12° 28'	-0.9°	7.9	-		-7.9		302.9		+323	+66	678023 553,289
134	660		11° 32'	--	9.3	-		-9.3		301.5		+649	+122	678349 553,345
#	911		10° 31' 26"	--	8.0	-		-8.0		302.8	#	+898	+152	678598 553,375
135	990		11° 11'	--	7.9	-		-7.9		302.9		+974	+177	678674 553,400
136	1320		11° 06'	--	7.8	-		-7.8		303.0		+1299	+234	678999 553,457
137	1650		11° 03'	--	9.7	-		-9.7		301.1		+1624	+291	679324 553,514
138	1980		11° 01' 08"	--	13.5	-		-13.5			TP	+1949	+348	679649 553,571
138	1980			--	13.3	270°		-13.3		297.4	TP			
	1978		187° 50' 53"	-0.9°	7.4	89° 30'	-17.3	-9.9		287.4	BS	+1963	+239	
	1978				7.1	270° 30'	-17.3	-10.2			BS			
139	1648		187° 25'	--	8.6	89° 30'	+14.4	+5.8		293.2		-1637	-187	679975 553,623
140	1319		186° 42'	--	8.2	89° 30'	+11.5	+3.3		290.7		-1312	-133	680300 553,677
141	990		185° 20'	--	6.6	89° 30'	+8.6	+2.0		289.4		-987	-77	680625 553,733
142	660		183° 08'	--	5.0	89° 30'	+5.8	+0.8		288.2		-660	-26	680952 553,784
#	359		183° 22' 38"	--	6.6	89° 10'	+5.2	-1.4		286.0	#	-359	-16	681253 553,794

Y=678.565 X=553.39  
# 4 WAY INT. EL. 304

Y=681.290 X=553.816  
# T. INT. EL. 286.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3.22.84		B. Cotcamp		R. Trowbridge		6834		C.Y. RT.		13	11				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
GEORGIA		WARWICK + COBB - 7 1/2'		GEORGIA		LEE					L.O. Davis				
STATION NO.	SLOPE 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
									287.4						
143	330		181° 14'	-0.9°	6.1	89° 10'	+4.8	-1.3		286.1		-330	-2	681,282	553,808
144	0				5.2	-		-5.2		282.2	TP	0	0	681,612	553,810
145	330		1° 18'	--	5.4	90° 50'	-4.8	-10.2		277.2		+330	+2	681,942	553,812
146	660			--	9.8	90° 50'	-9.6	-19.4		268.0		+660	+5	682,272	553,815
147	990		2° 36'	--	6.8	91° 20'	-23.0	-29.8		257.6		+990	+29	682,602	553,839
148	1319		4° 01' 59"	--	5.0	91° 30'	-34.5	-39.5		247.9	TP	+1317	+72	682,929	553,882
148	1319				4.9	268° 30'	-34.5	-39.4			TP				
	1980		187° 41' 00"	-0.7°	8.2	91° 10'	+40.3	+48.5	296.2		BS	+1965	+241		
	1980				7.9	268° 50'	+40.3	+48.2	298.3		BS				
149	1650		187° 06'	-0.7°	7.9	91° 40'	-48.0	-55.9		240.3		-1640	-184	683,254	553,939
150	1321		186° 10'	--	9.3	92° -	-46.1	-55.4		240.8		-1315	-126	683,579	553,997
151	992		185° 01'	--	6.3	92° 24'	-41.5	-47.8		248.4		-989	-75	683,905	554,048
152	663		184° 01'	--	6.9	92° 24'	-27.7	-34.6		261.6		-662	-38	684,232	554,085
153	334		185° 52'	--	8.7	91° 40'	-9.7	-18.4		277.8		-333	-30	684,561	554,093
154	0				5.2	-		-5.2		291.0	TP	0	0	684,894	554,123
155	331		356° 09'	-0.7°	5.5	89° 40'	+1.9	-3.6		292.6		+330	-26	685,224	554,097
156	661		358° 07'	--	8.1	89° 40'	+3.9	-4.3		291.9		+660	-30	685,554	554,093
157	991		358° 54'	--	10.2	89° 40'	+5.8	-4.4		291.8		+991	-31	685,884	554,092
158	1321		359° 26'	--	9.1	89° 50'	+3.8	-5.3		290.9		+1321	-29	686,215	554,094
159	1651		359° 38'	--	10.1	89° 50'	+4.8	-5.3		290.9		+1651	-31	686,545	554,092

above sta. on should

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-22-84		B. Cotcamp		R. Trowbridge		6834		C.J. R.T.		13	12						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER,						
GEORGIA		COBO - 7 1/2'		GEORGIA		LEE					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									296.2								
160	1981		359° 44'	-0.7	11.2	89° 50'	+5.8	+5.4	-	290.8		+1981	-33	686,872	554,090		
161	2311		359° 34'	--	7.8	89° 50'	+6.7	-1.1		295.1		+2311	-46	687,205	554,077		
162	2641		359° 20'	--	11.3	89° 40'	+15.4	+4.1		300.3		+2640	-63	687,534	554,060		
163	2971		359° 15' 05"	--	8.0	89° 46'	+12.1	+4.1			TP	+2970	-75	687,864	554,048		
163	2971				7.7	270° 14'	+12.1	+4.4	+4.2	300.4	TP						
	2966		176° 20' 18"	-0.7	+6.4	-		+6.4	+6.0	306.4	BS	+2957	-226				
	2966				+5.7	270° -		+5.7			BS						
164	2636		176° 15'	--	7.0	-		-7.0		299.4		-2628	+205	688,193	554,027		
165	2306		175° 58'	--	8.0	90° 06'	-4.0	-12.0		294.4		-2298	+190	688,523	554,012		
166	1976		175° 35'	--	7.0	90° 24'	-13.8	-20.8		285.6		-1968	+176	688,853	553,998		
167	1646		175° 05'	--	8.0	90° 40'	-19.1	-27.1		279.3		-1638	+161	689,183	553,983		
168	1317		174° 25'	-0.7	12.6	90° 40'	-15.3	-27.9		278.5		-1309	+144	689,512	553,966		
168	1197		174° 54' 23"	--	9.8	90° 50'	-17.4	-27.2		279.2	16	-1191	+121	689,843	553,943	Y-689,630 X-553,950 T-INT. EL. 279.0	
169	987		173° 06'	--	12.1	90° 50'	-14.4	-26.5		279.9		-978	+131	689,843	553,953		
170	659		170° 40'	--	12.0	91° -	-11.5	-23.5		282.9		-649	+115	690,172	553,937		
171	330		165° 52'	--	7.0	90° 50'	-4.8	-11.8		294.6		-319	+84	690,502	553,906		
172	0				5.2	-		-5.2		301.2	T	0	0	690,821	553,822		
173	330		335° 51'	-0.7	5.7	90° 20'	-1.9	-7.6		298.8		+299	-139	691,120	553,683		
174	657		331° 33'	--	8.6	90° 20'	-3.8	-12.4		294.0		+574	-320	691,315	553,502		
174	653		330° 04' 14"	--	9.2	90° 20'	-3.8	-13.0		293.4	16	+562	-333	691,383	553,489	Y-691,400 X-553,490 T-INT.	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
3-22-84		B. Cotcamp		R. TROWBRIDGE		6834		C.Y. RT		13	13						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
GEORGIA		COBB, LESLIE-7 1/2		GEORGIA		LEE					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									306.4								
175	983		327° 03' 24"	-1.0	12.5	90° 20'	-5.7	-18.2		288.2	TP	+815	-549	691,635	553,223		
175	983				12.4	269° 40'	-5.7	-18.1			TP	-1					
	2968		125° 13' 54"	--+	11.0	-		+1.0	} 289.2		BS	+1670	-2454				
	2968				+0.7	270° -		+0.7		+0.	BS	-4	+2				
176	2638		125° 10'	--	13.1	89° 50'	+7.7	-5.4		283.8		-1482	+2183	691,819	553,004		
177	2308		125° 33'	--	9.8	-		-9.8		279.4		-1309	+1901	691,992	552,722		
178	1978		126° 00'	--	10.0	-		-10.0		279.2		-1135	+1620	692,166	552,411		
179	1648		126° 30'	-1.0	10.1	-		-10.1		279.1		-957	+1342	692,344	552,163		
180	1319		127° 30'	--	10.0	-		-10.0		279.2		-785	+1060	692,516	551,881		
#1	1331		128° 01' 17"	--	9.7	-		-9.7		279.5	#1	-801	+1063	692,500	551,884	COBB-7 1/2 692,500 x 551,895 T-Intersect EL. 278	
181	990		128° 41'	--	9.8	-		-9.8		279.4		-605	+783	692,696	551,604	LESLIE-7 1/2	
182	660		129° 41'	--	8.6	-		-8.6		280.6		-413	+515	692,888	551,336		
183	330		131° 19'	--	5.8	-		-5.8		283.4		-214	+252	693,087	551,073		
184	0				5.2	-		-5.2		284.0	T	0	0	693,301	550,821		
185	330		315° 06'	-1.0	7.0	-		-7.0		282.2		+230	-237	693,531	550,584		
186	660		" "	--	8.3	-		-8.3		280.9		+459	-474	693,760	550,347		
187	990		" "	--	6.0	-		-6.0		283.2		+689	-711	693,990	550,110		
188	1320		" "	--	10.1	TM	+6.6	-3.5		285.7		+919	-948	694,220	549,873		
189	1650		" "	--	8.9	TM	+8.3	-0.6		288.6		+1148	-1185	694,449	549,636		
190	1980		" "	--	7.8	TM	+9.9	+2.1		291.3		+1378	-1422	694,679	549,399		

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3.22.84		B. Cotcamp		R. Trowbridge		6834		C.Y. R.T.		13	14				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Georgia		Leslie - 7 1/2'		Georgia		Lee					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									289.2						
191	2310		315° 06'	-1.0	6.8	TW	+11.6	+4.8		294.0		+1608	-1659	694909	549162
192	2641		315° 16' 53"	--	9.0	TW	+13.2	+4.2	22	293.4	TP	+1844	-1891	695141	548932
192	2641				8.7	TW	+13.2	+4.5			TP	-4	+2		
	2539		166° 10' 03"	-1.2	9.9	BH	+12.7	+22.6	316.0		BS	+2452	-659		
	2539				9.8	BH	+12.7	+22.5			BS	-4	+2		
193	2263		170° 32'	--	11.1	90° 20'	-13.2	-24.3		291.7		-2224	+419	695365	548694
194	1989		175° 14'	--	11.0	90° 20'	-11.6	-22.6		293.4		-1978	+207	695611	548482
195	1693		179° 58'	--	7.2	90° 20'	-9.9	-17.1		298.9		-1693	+36	695896	548311
196	1410		186° 21'	-1.2	12.3	-		-12.3		303.7		-1404	-127	696185	548148
197	1151		195° 32'	--	7.2	-		-7.2		308.8		-1115	-285	696474	547990
198	938		209° 27'	--	7.0	TW	+4.7	-2.3		313.7		-826	-444	696763	547831
199	891		217° 01' 35"	--	1.8	-		-1.8		314.2	TI	-722	-522	696862	547753
199	657		211° 08'	--	5.3	TW	+3.3	-2.0		314.0		-569	-328	697020	547947
199	599		211° 42' 16"	--	2.3	-		-2.3		313.7	TI	-516	-304	697073	547971
200	330		204° 46'	--	7.3	89° -	+5.8	-1.5		314.5		-302	-132	697287	548143
201	0				5.2	-		-5.2		310.8	T	0	0	697589	548275
202	330		22° 09'	-1.2	9.4	-		-9.4		306.6		+308	+118	697897	548393
203	660		- -	--	8.6	-		-8.6		307.4		+616	+236	698205	548511
204	990		- -	--	5.9	-		-5.9		310.1		+925	+354	698514	548629
205	1326		- -	--	5.1	-		-5.1		310.9		+1233	+472	698822	548741

LEE county T  
Sumter County d  
y=696,850 x=547,735  
T-ROAD E  
y=697,080 x=547,965  
H-Inter. EL. 313.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-22-84		B. Cotcamp		R. Trowbridge		6834		C.Y. R.T.		13		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Leslie - 7 1/2'		GEORGIA		Sumter								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									316.00						
206	1650		22° 09'	-1.2°	12.5	TH	+8.3	-4.3		311.7		+1541	+590	699130	548865
207	1980		" "	" "	4.0	-		-4.0		312.0		+1849	+708	699438	548983
208	2310		" "	" "	4.3	-		-4.3		311.7		+2157	+826	699746	549101
209	2641		22° 10' 51"	" "	6.5	-		-6.5		309.5	TP	+2466	+946	700051	549223
209	2641				6.4	270-		-6.4			TP	-4	+2		
	2642		198° 15' 30"	-1.2°	3.6	-		+3.6	313.1		BS	+2526	+775		
	2642				3.3	270-		+3.3			BS	-4	+2		
210	2312		198° 07'	" "	8.1	-		-8.1		305.0		-2212	-673	700361	549327
211	1981		197° 56'	" "	9.8	-		-9.8		303.3		-1897	-570	700676	549430
212	1651		197° 47'	" "	7.1	-		-7.1		306.0		-1582	-471	700991	549529
213	1320		197° 37'	" "	5.1	-		-5.1		308.0		-1266	-373	701307	549622
214	990		197° 15'	" "	5.3	-		-5.3		307.8		-951	-274	701622	549726
215	660		196° 13'	" "	7.2	TH	+3.3	-3.9		309.2		-637	-171	701936	549829
216	330		194° 48'	" "	5.0	TH	+1.6	-3.3		309.8		-321	-78	702252	549922
217	0				5.2	-		-5.2		307.9	X	0	0	702573	550000
14	105		0° 42' 16"	-1.2°	5.7	-		-5.7		307.4	14	+105	-1	702678	549990
218	330		5° 50'	" "	9.0	-		-9.0		304.1		+329	+27	702902	550027
219	660		4° 58'	" "	11.8	BH	-3.3	-15.1		298.0		+659	+43	703232	550042
220	990		4° 34'	" "	12.6	BH	-5.0	-17.6		295.5		+988	+58	703561	550056
221	1320		4° 22'	" "	9.3	BH	-6.6	-15.9		297.2		+1318	+73	703891	550072

y = 702.700 x - 549.990  
y-inter. EL. 307.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3-22-84		B. Cotcamp		R. TROWBRIDGE		6834		C.Y. R.T.		13		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Leslie-7 1/2'		GEORGIA		Sumter								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									313.1						
222	1650		4° 14'	-1.2°	12.6	-		-12.6		300.5		+1648	+87	704221	550087
223	1980		" "	" "	7.8	90° 10'	-5.8	-13.6		299.5		+1977	+105	704550	550105
224	2311		3° 40'	" "	7.4	90° 10'	-6.7	-14.1		299.0		+2309	+99	704882	550099
225	2638		2° 32' 24"	" "	6.5	90° 10'	-7.7	-14.2		298.9	TP	+2637	+62	705206	550064
225	2638				6.2	269° 50'	-7.7	-13.9			TP	-4	+2		
	3298		169° 37' 05"	-1.2°	8.7	-		+8.7	307.4		BS	+3231	-662		
	3298				8.4	270° -		+8.4	+8.5		BS	-4	"		
226	2968		169° 26'	-1.2°	10.3	-		-10.3		297.1		-2906	+605	705527	550089
227	2638		169° 06'	" "	12.4	-		-12.4		295.0		-2579	+553	705854	549957
228	2308		168° 43'	" "	12.5	-		-12.5		294.9		-2253	+499	706180	549903
229	1978		168° 08'	" "	11.7	-		-11.7		295.7		-1927	+447	706506	549851
230	1648		167° 27'	-1.2°	5.0	BH	-8.2	-13.2		294.2		-1601	+392	706832	549796
231	1319		166° 23'	" "	6.7	BH	-6.6	-13.3		294.1		-1275	+337	707158	549741
232	990		165° 27'	" "	7.0	BH	-5.0	-12.0		295.4		-953	+269	707480	549673
233	660		165° 12'	" "	9.4	-		-9.4		298.0		-634	+182	707799	549586
234	330		" "	" "	5.9	TH	+1.6	-4.3		303.1		-317	+91	708116	549495
235	0		" "	" "	5.2	-		-5.2		302.2	X	0	0	708433	549404
236	330		344° 45'	-1.2°	8.2	-		-8.2		299.2		+316	-93	708749	549311
237	660		" "	" "	9.2	-		-9.2		298.2		+633	-187	708066	549217
238	990		347° 07'	" "	9.7	-		-9.7		297.7		+960	-241	709393	549163

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.22.84		B. Cotcamp		R. Trowbridge		6834		R.Y. R.T.		13		17			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Leslie - 7 1/2'		GEORGIA		Sumter								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									307.4						
239	1307		351° 27'	-1.2°	9.0	-		-9.0		298.4		+1288	-221	709666	549183
240	1620		355° 23'	--	7.1	-		-7.1		300.3		+1612	-164	710045	549240
241	1937		358° 20'	--	5.9	-		-5.9		301.5		+1935	-97	710368	549307
242	2257		0° 30'	--	8.5	-		-8.5		298.9		+2257	-28	710690	549376
243	2582		2° 07'	-1.2°	8.3	-		-8.3		299.1		+2582	+41	711015	549445
244	2905		3° 22'	--	7.0	-		-7.0		300.4		+2903	+110	711336	549514
245	3105		3° 58' 22"	--	7.7	-		-7.7		299.7	#	+3101	+150	711534	549554
245	3230		4° 35'	--	7.9	-		-7.9		299.5		+3224	+191	711650	549595
246	3550		5° 55'	--	5.2	-		-5.2		302.2		+3538	+292	711971	549696
247	3873		7° 03' 59"	--	4.6	89° 58'	+2.3	-2.3		305.3	TP	+3853	+396	712282	549802
247	3873				4.3	270° 02'	+2.3	-2.0	(2.1)		TP	-4	+2		
	4291		203° 07' 38"	-1.2°	6.9	89° 50'	-12.5	-5.6*	299.7		BS	+3981	+1602		
	4291				6.8	270° 10'	-12.5	-5.7			BS	-4	+2		
248	3961		203° 24'	--	5.2	89° 50'	+11.5	+6.3		306.0		-3667	-1497	712592	549909
249	3631		203° 47'	--	5.8	89° 50'	+10.6	+4.8		304.5		-3353	-1394	712906	550012
250	3301		204° 05'	--	6.2	89° 50'	+9.6	+3.4		303.1		-3041	-1284	713218	550122
251	2971		204° 13'	-1.2°	7.3	89° 50'	+8.7	+1.4		301.1		-2734	-1162	713516	550244
252	2641		" "	--	8.9	89° 50'	+7.7	-1.2		298.5		-2431	-1033	713828	550373
253	2311		" "	--	8.7	89° 50'	+6.7	-2.0		297.7		-2127	-904	714132	550502
254	1981		" "	--	7.0	89° 50'	+5.8	-1.2		298.5		-1823	-775	714432	550631

#4-711.550 x-549.530  
#7 4 way Inter. EL. 299.0

SRVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3-22-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	C.Y.	LINE NO.	13	PAGE	18
AREA	GEORGIA	TOPO MAP	COBB, Leslie - 7 1/2'	STATE	GEORGIA	COUNTY	Sumter	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.	
									299.7					
255	1650		204° 13'	-1.2°	6.4	89° 50'	+4.8	-1.6		298.1		-151.9	-645	714740 550961
256	1320		" "	" "	7.7	89° 50'	+3.8	-3.9		295.8		-1215	-516	715044 550890
257	990		" "	" "	7.1	89° 50'	+2.9	-4.2		295.5		-911	-387	715348 551019
258	660		" "	" "	6.1	89° 50'	+1.9	-4.2		295.5		-607	-258	715652 551148
259	330		" "	" "	6.0	89° 50'	+1.0	-5.0		294.7		-304	-129	715955 551277
260	0				5.2	-		-5.2		294.5	TP	0	0	716259 551406
261	330		24° 44'	-1.2°	6.9	89° 50'	+1.0	-5.9		293.8		+303	+132	716562 551538
262	660		" "	" "	10.0	-		-10.0		289.7		+605	+264	716864 551670 Leslie - 7 1/2' ↑
263	990		" "	" "	8.8	BH	-5.0	-13.8		285.9		+908	+395	717167 551801 COBB - 7 1/2' ↓
264	1320		" "	" "	6.9	BH	-6.6	-13.5		286.2		+1210	+527	717469 551933
265	1650		" "	" "	9.9	-		-9.9		289.8		+1513	+659	717772 552065
266	1980		" "	" "	8.9	-		-8.9		290.8		+1815	+791	718074 552197
267	2308		23° 35'	-1.2°	8.1	-		-8.1		291.6		+2134	+879	718393 552285
268	2632		22° 08'	" "	5.7	-		-5.7		294.0		+2458	+940	718717 552346
269	2957		21° 03'	" "	5.4	-		-5.4		294.3		+2781	+1004	719040 552410
Bm	3028		21° 13' 16"	" "	3.9	-		-3.9		295.9	TP	+2845	+1037	719100 552445
Bm	3028			" "	3.6	270°		-3.6	-3.8		TP	-4	+2	

Y = 719,100  
 X = 552,445 u.s.g.s. Bm  
 Z = 295.9 Horiz y = -41'  
 coll. X = +20

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 3.26.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY C.Y. R.T.	LINE NO. 13	PAGE 19
AREA Georgia	TOPO MAP COBB - 7 1/2'	STATE Georgia	COUNTY Sumter	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
	5123		184° 34' 36"	-1.0	11.9	89° 54'	-9.0	+2.92	298.9		BS	+5113	+320		Z=2959
	5123				+12.2	270° 06'	-9.0	+3.20	(+3.0)		BS				
270	4862		184° 20'	--	5.4	-		-5.4		293.5		-4854	-283	719,359	552,482
271	4534		183° 47'	--	7.8	-		-7.8		291.1		-4529	-220	719,684	552,545
272	4208		183° 08'	--	6.7	-		-6.7		292.2		-4205	-157	720,008	552,608
273	3883		182° 24'	--	10.7	-		-10.7		288.2		-3882	-95	720,331	552,670
274	3557		181° 33'	-1.0	11.2	-		-11.2		287.7		-3557	-34	720,656	552,731
275	3233		180° 30'	--	10.0	-		-10.0		288.9		-3233	+28	720,980	552,793
276	2911		179° 12'	--	7.0	-		-7.0		291.9		-2910	+91	721,303	552,856
277	2590		177° 31'	--	4.8	-		-4.8		294.1		-2585	+157	721,628	552,922
278	2273		175° 26'	--	6.4	-		-6.4		292.5		-2262	+220	721,951	552,985
279	1959		172° 38'	-1.0	8.0	-		-8.0		290.9		-1938	+285	722,275	553,050
280	1648		169° 15'	--	10.0	-		-10.0		288.9		-1613	+336	722,600	553,101
281	1318		169° 54'	--	8.3	-		-8.3		290.6		-1293	+254	722,920	553,019
282	989		171° 15'	--	6.3	-		-6.3		292.6		-975	+167	723,238	552,932
283	660		173° 13'	--	10.3	-		-10.3		288.6		-654	+89	723,559	552,854
284	330		" "	--	9.9	-		-9.9		289.0		-327	+45	723,886	552,810
285	0				5.2	-		-5.2		293.7	π	0	0	724,213	552,765
286	330		354° 34'	-1.0	7.3	-		-7.3		291.6		+328	-37	724,541	552,728
287	660		354° 55'	--	11.8	-		-11.8		287.1		+656	-70	724,869	552,695

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE	3-26-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	P. TRUBRIDGE	PARTY NUMBER	6834	NOTES CHECKED BY	CY RT	LINE NO.	13	PAGE	20	
AREA	GEORGIA	TOPO MAP	Drayton, Cobb-7 1/2	STATE	GEORGIA	COUNTY	Sumter	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									298.9										
288	990		356° 42'	-1.0	8.0	BH	-5.0	-13.0		285.9		+987	-74	725,200	552,691				
289	1316		358° 51'	--	9.2	-		-9.2		289.7		+1315	-49	725,528	552,716				
290	1645		0° 10'	--	5.3	-		-5.3		293.6		+1645	-24	725,858	552,711				
291	1973		1° 00'	--	10.7	TH	+9.9	-0.8		298.1		+1973	+0	726,186	552,765				
292	2303		1° 39'	-1.0	6.0	TH	+11.5	+5.5		304.4		+2303	+26	726,516	552,791				
293	2632		2° 08'	--	9.8	89° 30'	+23.0	+13.2		312.1		+2631	+52	726,844	552,817				
294	2961		2° 38'	--	10.0	89° 30'	+25.8	+15.8		314.7		+2960	+84	727,173	552,849			Cobb - 7 1/2'	
295	3280		4° 05'	--	9.2	89° 30'	+28.6	+19.4		318.3		+3275	+176	727,488	552,941			Drayton - 7 1/2'	
296	3596		5° 36'	--	10.1	89° 36'	+25.1	+15.0		313.9		+3584	+288	727,797	553,053				
297	3920		6° 37'	-1.0	11.9	89° 36'	+27.4	+15.5		314.4		+3901	+384	728,114	553,149				
298	4242		7° 39'	--	12.2	89° 36'	+29.6	+17.4		316.3		+4213	+491	728,426	553,256				
299	4564		8° 34'	--	11.0	89° 36'	+31.9	+20.9		319.8		+4524	+601	728,737	553,366				
TP	4744		9° 13' 49"	--	7.2	89° 36'	+33.1	+25.9		324.7	TP	+4695	+679	728,908	553,444				
TP	4744				7.3	270° 21'	+33.1	+25.8			TP								
	1642		186° 31' 55"	-1.0	4.4	TH	-8.2	-3.8			BS	+1634	+158						
	1642				4.3	TH 270°	-8.2	-3.9	320.8		BS								
300	1494		186° 38'	--	8.8	-		-8.8		312.0		-1487	-147	729,055	553,455				
301	1164		--	--	12.5	BH	-5.8	-18.3		302.5		-1158	-114	729,384	553,488				
302	834		--	--	12.4	90° 20'	-4.9	-17.3		303.5		-830	-82	729,712	553,520				
303	1504		--	--	9.2	90° 20'	-2.9	-12.1		308.7		-502	-49	730,040	553,553				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.26.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. TROWBRIDGE	PARTY NUMBER	6834	NOTES CHECKED BY	C.S. R.T.	LINE NO.	13	PAGE	21	
AREA	GEORGIA	TOPO MAP	DRAYTON - 7 1/2'	STATE	GEORGIA	COUNTY	Sumter	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.	
									320.8					
304	174		185° 53'	-1.0°	4.9	90° 20'	-1.0	-5.9		314.9		-173	-15	730,369 553,587
#	43		199° 04' 03"	--	0.7	90° 20'	-0.3	-1.0		319.8	#	-41	-13	730,501 553,589 # 14-730,520 x-553,600 4 way cut.
π	0				5.2	-		-5.2		315.6	π	0	0	730,542 553,602
Bm	44		38° 26' 22"	-1.0°	1.3	90° 20'	-0.3	-1.6		319.2	Bm	+35	+27	730,577 553,629 # 730,600 2.5.6.5' x-553,650 83 35 5 1955 EL. 319
305	156		6° 53'	--	7.2	90° 20'	-0.9	-8.1		312.7		+155	+16	730,698 553,488
306	486		--	--	9.9	90° 20'	-2.8	-12.7		308.1		+483	+50	731,025 553,652
307	816		--	--	11.0	90° 20'	-4.7	-15.7		305.1		+812	+84	731,354 553,686
308	1146		--	--	11.2	90° 20'	-6.7	-17.9		302.9		+1140	+117	731,682 553,719
309	1475		5° 57'	-1.0°	8.9	90° 20'	-8.6	-17.5		303.3		+1470	+127	732,012 553,729
310	1804		4° 47'	--	4.6	Bm	-9.0	-13.6		307.2		+1800	+119	732,342 553,721
311	2133		4° 06' 13"	--	5.5	-		-5.5		315.3	TP	+2130	+115	732,672 553,717
311	2133				5.4	270 -		-5.4			TP			
	3630		184° 36' 13"	-1.2°	6.8	-		+6.8	+6.7		BS	+3624	+216	
	3630				6.5	270 -		+6.5	(322.0)		BS			
312	3300		184° 40'	--	8.0	-		-8.0		314.0		-3294	-200	733,002 553,733
313	2970		--	--	12.5	-		-12.5		309.5		-2965	-180	733,331 553,753
314	2640		--	--	7.7	90° 10'	-7.7	-15.4		306.6		-2635	-160	733,661 553,773
315	2310		--	--	9.8	90° 10'	-6.7	-16.5		305.5		-2306	-140	733,990 553,793
#	2294		184° 46' 08"	--	9.8	90° 10'	-6.7	-16.5		305.5	#	-2290	-143	734,006 553,790 # 74,050 x-553,785 creek crossing road
316	1980		184° 29'	--	11.9	90° 10'	-5.8	-17.7		304.3		-1977	-113	734,319 553,820

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
3.26.84		B. Cotcamp		R. Trowbridge		6834		C.J. R.T.		13	22			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
GEORGIA		DRAYTON - 7 1/2'		GEORGIA		Sumter					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING 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.	
									322.0					
317	1650		184° 26'	-1.2°	9.9	90° 20'	-9.6	-19.5		302.5		-1647	-93	734,649 553,840
318	1320		- -	--	11.0	90° 20'	-7.7	-18.7		303.3		-1318	-74	734,978 553,859
319	990		- -	--	11.2	90° 20'	-5.8	-17.0		305.0		-988	-56	735,308 553,877
320	660		184° 17'	--	9.7	90° 20'	-3.8	-13.5		308.5		-659	-36	735,637 553,897
321	330		- -	--	6.9	90° 20'	-1.9	-8.8		313.2		-330	-18	735,966 553,915
322	0				5.2	-		-5.2		316.8	TP	0	0	736,296 553,933
323	330		1° 52'	-1.2°	6.8	91° -	-5.8	-12.6		309.4		+330	+4	736,626 553,937
324	660		- -	--	11.4	91° -	-11.5	-22.9		299.1		+660	+8	736,956 553,941
325	990		- -	--	9.8	91° 10'	-20.2	-30.0		292.0		+990	+12	737,286 553,945
326	1320		- -	--	12.1	91° 10'	-26.9	-39.0		283.0		+1320	+15	737,616 553,948
327	1650		1° 52'	-1.2°	12.1	91° 10'	-33.6	-45.7		276.3		+1650	+19	737,946 553,952
328	1980		- -	--	10.5	91° 10'	-40.3	-50.8		271.2		+1980	+23	738,276 553,956
329	2310		- -	--	10.2	91° 10'	-47.0	-57.2		264.8		+2310	+27	738,606 553,960
330	2640		1° 56'	-1.2°	9.7	91° 10'	-53.8	-63.5		258.5		+2640	+34	738,936 553,967
331	2970		1° 59'	--	7.3	91° 10'	-60.5	-67.8		254.2		+2970	+41	739,266 553,974
332	3300		2° 02'	--	10.1	91° 04'	-61.4	-71.5		250.5		+3300	+48	739,596 553,981
333	3630		2° 10'	--	6.8	91° 04'	-67.6	-73.6		248.4		+3629	+61	739,925 553,994
TP	3696		1° 51' 29"	--	8.8	91° -	-64.5	-73.3		248.9	TP	+3695	+42	739,991 553,975
TP	3696				8.5	269° -	-64.5	-73.0	73.1		TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
3-26-84		B. Cotcamp		R. Trowbridge		6834		C.J. R.T.		13	23			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
GEORGIA		DRAYTON - 7 1/2'		G.A.		Sumter					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING 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.	
										248.9				
	265		151° 46' 58"	-1.2°	4.3	-		+4.3	253.2		BS	+231	-130	
	265				+5.6	TH	-1.3	+4.3		BS				
334	0				5.2	-		-5.2		248.0	T	0	0	740,222 553,845
335	329		322° 12'	--	5.9	TH	+1.6	-4.3		248.9		+256	-207	740,478 553,638
336	655		317° 23'	--	6.6	TH	+3.3	-3.3		249.9		+473	-453	740,695 553,392
TP	798		318° 05' 14"	--	1.8	-		-1.8		251.4	TP	+583	-545	740,805 553,300
TP	798				5.8	TH	+4.0	-1.8			TP			
	1003		148° 42' 29"	-1.2°	9.8	91°	+17.5	+27.3	278.6		BS	+846	-539	
	1003				+6.8	91° 10'	+20.4	+27.25		BS				
337	817		149° 14'	--	7.0	91° 10'	-16.6	-23.6		255.0		-693	+433	740,958 553,194
338	487		" "	--	6.2	91° 10'	-9.9	-16.1		262.5		-413	+258	741,238 553,019
339	157		" "	--	5.2	TH	+0.8	-4.4		274.2		-133	+83	741,518 552,844
T	0				5.2	-		-5.2		273.4	T	0	0	741,651 552,761
340	275		331° 08'	-1.2°	5.7	-		-5.7		272.9		+151	-88	741,802 552,673
341	505		" "	--	7.0	TH	+2.5	-4.5		274.1		+437	-253	742,088 552,508
342	835		" "	--	5.8	TH	+4.2	-1.6		277.0		+723	-418	742,374 552,343
343	1165		331° 08'	-1.2°	11.0	89° 20'	+13.5	+2.5		281.1		+1008	-584	742,659 552,177
344	1495		" "	--	10.4	89° 20'	+17.4	+7.0		285.6		+1294	-749	742,945 552,012
345	1825		" "	--	10.0	89° 20'	+21.2	+11.2		289.8		+1579	-914	743,230 551,847
346	2155		" "	--	8.1	89° 20'	+25.1	+17.0		295.6		+1865	-1080	743,516 551,681 methwins ↓

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
3-26-84		B. Cotcamp		R. Trowbridge		6834		C.J. R.T.		13	24				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
GEORGIA		Mathews - 7 1/2'		GEORGIA		Sumter					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									278.6						
347	2485		331 02	-1.2°	9.0	89° 20'	+28.9	+19.9		298.5		+2148	-1249	743,799	551,512
348	2760		327 21	"	14.7	89° 14'	+36.9	+22.2		300.8		+2292	-1537	743,943	551,224
TP	2801		326 31 28	"	13.9	89° 16'	+35.9	+22.0		300.7	TP	+2303	-1593	743,954	551,168
TP	2801				13.6	270 44	+35.9	+22.3	(22.1)		TP				
	832		172 54 53	-1.2°	4.1	88° 20'	-24.2	-20.1	280.6		BS	+823	-120		
	832				+1.7	88° 30'	-21.8	-20.15			BS				
349	525		173 14	"	5.9	88° 30'	+13.7	+7.8		288.4		-520	+73	744,257	551,121
350	196		176 29	"	6.4	88° 30'	+5.1	-1.3		279.3		-195	+16	744,582	551,064
T	0				5.2	-		-5.2		275.4	T	0	0	744,777	551,048
351	134		0 22	-1.2°	6.1	89° 10'	+1.9	-4.2		276.4		+134	-2	744,911	551,046
352	464		" "	"	7.3	89° 10'	+6.7	-0.6		280.0		+464	-7	745,241	551,041
353	794		" "	"	8.2	89° 10'	+11.5	+3.3		283.9		+794	-12	745,571	551,036
354	1124		" "	"	9.6	89° 10'	+16.3	+6.7		287.3		+1124	-16	745,901	551,032
TP	1410		359 31 48	"	11.0	89° 10'	+20.5	+9.5			TP	+1409	-41	746,186	551,007
TP	1410				10.7	270 50	+20.5	+9.8	290.0	290.2	TP				
	887		150 17 17	-1.2°	8.3	-		+8.3	298.5		BS	+761	-456		
	887				+12.7	TU	-4.4	+8.3			BS				
355	845		150 30	"	7.7	-		-7.7		290.8		-727	+431	746,220	550,982
356	515		" "	"	5.0	-		-5.0		293.5		-443	+263	746,504	550,814
357	185		" "	"	6.1	89°	+3.2	-2.9		295.6		-159	+94	746,788	550,645

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.28.84		B. Cotcamp		R. Trowbridge		6834		C-S, R.T.		13		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		METAVIS-7 1/2'		GEORGIA		Sumter								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									298.5						
TP	0				5.2	-		-5.2		293.3	TP	0	0	746,947	550,551
358	146		336° 36'	-1.2°	7.1	-		-7.1		291.4		+133	-61	747,080	550,490
359	463		335° 34' 08"	"	9.4	-		-9.4		289.1	#	+417	-200	747,364	550,351
359	476		337° 19'	"	10.0	-		-10.0		288.5		+435	-193	747,382	550,358
TP	713		337° 26' 04"	"	5.2	90° 50'	-10.4	-15.6		282.9	TP	+652	-287	747,599	550,264
TP	713				7.2	90° 40'	-8.3	-15.5			TP				
	430		185° 24' 28"	-1.2°	1.5	TH	-2.2	-0.7			BS	+429	+32		
	430				+1.9	89° 40'	-2.5	+0.6	282.2		BS				
360	327		183° 36'	"	5.2	89° 20'	+3.8	-1.4		280.8		-327	-14	747,701	550,282
361	0				5.2	-		-5.2		277.0	TP	0	0	748,028	550,296
362	330		18° 55'	-1.2°	7.6	88° 40'	+7.7	+0.1		282.3		+314	+100	748,342	550,396
363	660		20° 16'	"	5.8	88° 30'	+17.3	+11.5		293.7		+624	+216	748,652	550,512
364	990		19° 31'	"	5.9	88° 20'	+28.8	+22.9		305.1		+940	+311	748,968	550,607
TP	1143		17° 49' 12"	"	6.1	88° 30'	+29.9	+23.8		306.0	TP	+1095	+327	749,123	550,623
TP	1143				9.4	88° 20'	+33.2	+23.8			TP				
	2154		167° 38' 01"	-1.2°	4.4	BH	+10.8	+15.2	321.0		BS	+2094	-505		
	2154				+4.0	BH 270'	+10.8	+14.8	+15.0		BS				
365	1981		166° 51'	"	6.9	BH	-9.9	-16.8		304.2		-1919	+491	749,298	550,609
366	1650		"	"	12.3	BH	-8.3	-20.6		300.4		-1599	+409	749,618	550,527
367	1320		"	"	8.8	BH	-6.6	-15.4		305.6		-1279	+327	749,938	550,445

JD-747,355 x-550,310  
TF 4 WAY INT. EL. 289.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.28.84		B. Catcamp		R. Trowbridge		6834		C.S. R.T.		13		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		METEUS-7 1/2'		GEORGIA		Sumter								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									321.0						
368	990		166° 42'	-1.2°	8.7	BH	-5.0	-13.7		307.3		-958	+248	750,259	550,366
369	660		" "	" "	11.1	BH	-3.3	-14.4		306.6		-639	+165	750,578	550,283
370	330		166° 37'	" "	10.3	-		-10.3		310.7		-319	+83	750,898	550,201
371	0				5.2	-		-5.2		315.8	TP	0	0	751,217	550,118
372	330		341° 28'	-1.2°	5.0	89° 20'	+3.8	-1.2		319.8		+311	-111	751,528	550,007
373	660		340° 15'	" "	6.3	89° 20'	+7.8	+1.9		322.4		+616	-236	751,833	549,882
TP	952		342° 06' 46"	" "	10.8	89° 20'	+11.1	+0.3		321.4	TP	+900	-311	752,117	549,807
TP	952				10.5	270° 40'	+11.1	+0.6			TP				
	1842		182° 12' 15"	-1.2°	+3.4	-		+3.4		324.6	BS	+1842	+32		
	1842				+3.0	270° -		+3.0		+3.23	BS				
374	1805		182° 24'	" "	8.7	89° 50'	+5.3	-3.4		321.2		-1805	-38	752,154	549,801
375	1478		182° 49'	" "	9.0	89° 50'	+4.3	-4.7		319.9		-1477	-42	752,482	549,797
Bm	1197		180° 25' 48"	" "	7.9	-		-7.9		316.7	Bm	-1197	+16	752,762	549,855
dl	1181		182° 29' 13"	-1.2°	9.2	89° 50'	+3.4	-5.8		318.8	dl	-1181	-27	752,778	549,812
376	1148		181° 49'	" "	9.3	89° 50'	+3.3	-6.0		318.6		-1148	-12	752,811	549,827
377	817		181° 22'	" "	6.0	-		-6.0		318.6		-817	-2	753,142	549,837
378	487		182° 18'	" "	7.1	TH	+2.4	-4.7		319.9		-487	-9	753,472	549,830
379	164		195° 48'	" "	4.7	TH	+0.8	-3.9		320.7		-139	-41	753,820	549,798
TP	0				5.2	-		-5.2		319.4	TP	0	0	753,959	549,839
380	196		329° 02'	-1.2°	5.7	89° 10'	+2.8	-2.9		321.7		+166	-104	754,125	549,735

y-752,765 x-549,895  
 U.S.G.S. Bm EL. 316.7  
 y-752,695 x-549,800  
 dl y-inter.

OFF ROAD INTERSECTION

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
3.28.84		B. Cotcamp		R. TROWBRIDGE		6834		C.J., R.T.		13		27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		METHVINS - 7 1/2'		GEORGIA		Sumter								L.O. Davis	
STATION NO.	SLOPE 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
									324.6						
381	526		332° 42'	-1.2°	9.2	89° 10'	+7.6	-1.6		323.0		+462	-251	754.421	549.588
382 TP	769		327° 51' 48"	"	5.0	89° 40'	+4.5	-0.5		324.1	TP	+642	-423	754.601	549.416
TP	769				4.9	270° 20'	+4.5	-0.4			TP				
	1668		130° 33' 20"	-1.2°	13.2	-		+13.2		337.1	BS	+1058	-1290		
	1668				+12.8	270° -		+12.8		+130.3	BS				
382	1596		130° 01'	"	8.1	90° 10'	-4.6	-12.7		324.4		-997	+1239	754.662	549.365
383	1260		130° 36'	"	6.7	90° 10'	-3.7	-10.4		326.7		-800	+974	754.859	549.100
384	930		131° 13'	"	7.5	-		-7.5		329.6		-598	+712	755.061	548.838
385	600		132° 47'	"	5.7	-		-5.7		331.4		-398	+449	755.261	548.575
386	269		134° 42'	"	5.2	-		-5.2		331.9		-185	+195	755.474	548.321
π	0				5.2	-		-5.2		331.9	π	0	0	755.659	548.126
387	72		355° 15'	-1.2°	6.2	-		-6.2		330.9		+72	-7	755.731	548.119
388	397		342° 20'	"	9.0	-		-9.0		328.1		+376	-128	756.035	547.998
389	720		348° 26'	"	5.8	BH	-3.6	-9.4		327.7		+702	-159	756.361	547.967
390	1042		352° 50'	"	7.4	-		-7.4		329.7		+1031	-152	756.690	547.974
391	1371		355° 10'	"	6.1	-		-6.1		331.0		+1363	-144	757.022	547.982
392	1699		356° 36' 57"	"	4.8	-		-4.8		332.5	TP	+1694	-136	757.353	547.990
392	1699				4.4	-		-4.4		4.6	TP				
	2639		182° 18' 14"	-1.2°	13.3	TH	-13.2	+0.1		332.3	BS	+2639	+51		
	2639				+12.8	TH 270°	-13.2	-0.4		0.2	BS				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
3-28-84		B. Cotcamp		R. Trowbridge		6834		RT.		13		28				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		Methvins-7 1/2'		GEORGIA		Sumter								L. O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									332.3							
393	2310		182° 25'	-1.2°	10.0	TN	+11.6	+1.6		333.9		-2309	-49	757,683	547,992	
394	1980		" "	" "	7.8	TN	+9.9	+2.1		334.4		-1980	-42	758,012	547,999	
IF	1954		182° 45' 40"	" "	7.1	TN	+9.8	+2.7		335.0	IF	-1953	-53	758,039	547,988	
395	1650		182° 25'	" "	5.2	TN	+8.3	+3.1		335.4		-1650	-35	758,342	548,006	
396	1320		" "	-1.2°	12.3	89° 20'	+15.4	+3.1		335.4		-1320	-28	758,672	548,013	
397	990		" "	" "	9.3	89° 20'	+11.5	+2.2		334.5		-990	-21	759,002	548,020	
398	660		" "	" "	6.3	89° 20'	+7.7	+1.4		333.7		-660	-14	759,332	548,027	
399	330		" "	" "	6.9	88° 40'	+7.7	+0.8		333.1		-330	-7	759,662	548,034	
400	0				5.2	-		-5.2		327.1	X	0	0	759,992	548,041	
401	330		2° 19'	-1.2°	5.7	91° 40'	-9.6	-15.3		317.0		+330	+6	760,322	548,047	
402	660		" "	" "	6.3	91° 40'	-19.2	-25.5		306.6		+660	+13	760,652	548,054	
403	990		" "	" "	7.7	91° 40'	-28.8	-36.5		295.8		+990	+19	760,982	548,060	
404	1320		" "	" "	7.8	91° 40'	-38.4	-46.2		286.1		+1320	+26	761,312	548,067	
Bm	1417		1° 00' 34"	" "	8.3	91° 40'	-41.2	-49.5		282.8	Bm	+1416	-5	761,408	548,036	
405	1650		1° 28'	" "	6.1	91° 20'	-38.4	-44.5		287.8		+1650	+8	761,642	548,049	
TP	1841		0° 57' 52"	" "	12.1	91° 0'	-32.1	-44.2		288.3	TP	+1841	-8	761,833	548,033	
TP	1841				11.7	269°	-32.1	-43.8	-44.0			TP				
	1800		147° 17' 04"	-1.2°	15.0	91° 30'	+47.1	+62.1	350.2		BS	+1493	-1004			
	1800				14.6	268° 30'	+47.1	+61.7	+61.9		BS					

y = 758.015 x - 547.990  
IF T-Intersect EL. 335.0

y = 761.410 x - 548.020  
u.s.g.s. Bm EL. 282.5

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 3-28-84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY C.S. R.T.	LINE NO. 13	PAGE 29
AREA GEORGIA	TOPO MAP METHVINS - 7 1/2'	STATE GEORGIA	COUNTY Sumter	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.	
									350.2					
406	1650		147° 12'	-1.2°	10.1	91° 30'	-43.2	-53.3		296.9		-1368	+923	761,958 547,952
407	1320		146° 32'	--	10.0	91° 20'	-30.7	-40.7		309.5		-1086	+751	762,240 547,780
408	990		146° 44'	--	5.8	91° 20'	-23.0	-28.8		321.4		-816	+560	762,510 547,589
409	660		147° 12'	--	4.8	91° 20'	-15.4	-20.2		330.0		-547	+369	762,779 547,398
410	330		148° 38'	--	4.7	91° 20'	-7.8	-12.4		337.8		-278	+178	763,048 547,207
411	0				5.2	-		-5.2		345.0	TP	0	0	763,326 547,029
412	16		285° 53' 42"	-1.2°	4.6	-		-4.6		345.6	TP	+4	-15	763,330 547,014
412	330		337° 20'	--	5.0	89° 10'	+4.8	-0.2		350.0		+302	-134	763,628 546,895
413	658		341° 29'	--	7.1	89° 10'	+9.6	+2.5		352.7		+619	-222	763,945 546,807
414	986		339° 08' 22"	--	7.8	89° 20'	+11.5	+3.7		354.0	TP	+914	-370	764,240 546,659
414	986				7.5	270° 40'	+11.5	+4.0	+38		TP			
	1334		141° 35' 05"	-1.0°	10.7	89° 10'	-19.4	-8.7	345.1		BS	+1030	-847	
	1334				10.4	270° 50'	-19.4	-9.0	-8.9		BS			
415	1004		142° 00'	--	9.1	89°	+17.5	+8.4		353.5		-780	+632	764,490 546,444
416	674		142° 55'	--	6.0	89°	+11.8	+5.8		350.9		-531	+416	764,739 546,228
417	343		143° 09'	--	6.8	88° 30'	+9.0	+2.2		347.3		-271	+210	764,999 546,022
418	43		75° 58'	--	4.8	91°	-0.8	-5.6		339.5		+41	+42	765,281 545,854
418	0				5.2	-		-5.2		339.9	TP	0	0	765,270 545,812
419	327		346° 31'	-1.0°	5.8	92° 40'	-15.2	-21.0		324.1		+317	-82	765,587 545,730
420	657		345° 36'	--	9.8	92° 40'	-30.5	-40.3		304.8		+633	-174	765,903 545,638

y = 763,310 x = 547,000  
y - Inter. EL 345.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	3.28.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	C. J. R. T.	LINE NO.	13	PAGE	30
AREA	GEORGIA	TOPO MAP	METHUENS 7 1/2'	STATE	GEORGIA	COUNTY	Sumter	TWP		RANGE	PPM	PARTY MANAGER	L. O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									345.1										
421	989		345° 36'	-1.0°	12.2	92° -	-34.4	-46.6		298.5		+952	-262	766,222	545,550				
422	1317		" "	" "	8.8	91° -	-22.0	-31.8		313.3		+1270	-350	766,540	545,462				
423	1647		" "	" "	5.4	84	-8.2	-13.6		331.5		+1588	-437	766,858	545,375				
424	1974		344° 33' 43"	" "	0.9	-		-0.9		344.4	TP	+1893	-559	767,163	545,253				
424	1974				0.4	270° -		-0.4	-0.7		TP								
	988		140° 40' 55"	-1.0°	7.1	91° -	+17.2	+24.3		368.7	BS	+753	-639						
	988				10.0	90° 50'	+14.4	+24.4			BS								
425	660		138° 44'	" "	8.1	90° 40'	-7.7	-15.8		352.9		-488	+444	767,428	545,058				
426	330		140° 50'	" "	6.3	90° 40'	-3.8	-10.1		358.6		-252	+213	767,664	544,827				
427	0				5.2	-		-5.2		363.5	T	0	0	767,916	544,614				
428	330		331° 49'	-1.0°	5.1	89° -	+5.8	+0.7		369.4		+288	-161	768,204	544,453				
429	659		333° 27'	" "	5.2	89° -	+11.5	+6.3		375.0		+584	-305	768,506	544,309				
430	989		333° 47'	" "	8.1	89° -	+17.3	+9.2		377.9		+880	-452	768,796	544,162				
431	1318		334° 16' 02"	" "	5.7	89° 20'	+15.3	+9.6		378.4	TP	+1177	-593	767,093	544,021				
431	1318				5.4	270° 40'	+15.3	+9.9	+9.7		TP								
	1650		154° 35' 20"	-1.0°	12.8	84	+8.3	+21.1		399.3	BS	+1478	-734						
	1650				12.5	84 210° -	+8.3	+20.8	+20.9		BS								
432	1320		154° 24'	" "	11.4	84	-6.6	-18.0		381.3		-1180	+591	769,391	543,878				
433	990		154° 11'	" "	8.1	84	-5.0	-13.1		386.2		-884	+447	769,687	543,734				
434	660		153° 44'	" "	8.8	-		-8.8		390.5		-587	+302	769,984	543,589				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

PAGE 31 OF 31

DATE 3.28.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. TROWBRIDGE	PARTY NUMBER 6834	NOTES CHECKED BY C. G. R.T.	LINE NO. 13	PAGE 31
AREA GEORGIA	TOPO MAP METHUENS - 7 1/2'	STATE GEORGIA	COUNTY Sumter	TWP	RANGE	PPM
					PARTY MANAGER L.O. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									399.3							
435	330		152 38	-1.0	6.2	-		-6.2		393.1		-290	+157	770,281	543,444	
436	0				-5.2	-		-5.2		394.1	X	0	0	770,571	543,287	
437	330		323 30	--	5.8	-		-5.8		393.5		+262	-201	770,833	543,086	
438	660		321 47	--	7.8	-		-7.8		391.5		+511	-417	771,082	542,870	
439	990		321 25	--	10.2	-		-10.2		389.1		+763	-631	771,334	542,656	
440	1320		321 37	--	10.9	-		-10.9		388.4		+1020	-838	771,591	542,449	
441	1650		321 47	-1.0	9.8	-		-9.8		389.5		+1278	-1043	771,849	542,244	
442	1980		321 54	--	9.0	-		-9.0		390.3		+1537	-1249	772,108	542,038	
443	2310		321 37	--	7.8	-		-7.8		391.5		+1785	-1466	772,356	541,821	
Bm	2365		321 48 13	--	8.6	-		-8.6		390.9	Bm	+1833	-1495	772,404	541,792	9-772,400 X-541,800 Bm. U.S.G.S. EL. 390.5
Bm	2365				8.1	270-		-8.1	-8.4		Bm					