

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc. Client-COCORP

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE				
8/6/80		G. Cotcamp		D. Paris		6834		GHC rlw			7	1				
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
New York		Paradox Lake 7 1/2 / Schraon, Lake 15		New York	Essex					L Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
BM				-14°54'						882.7				1441,125	655,100	EL 882.7
	300		116°13' +180°	-14.9°	+10.5	-		+10.5	893.2		BS	+59	-294.2			INS. G.S. C-249 1942
	300				+12.0	TH	-1.5	+10.5			BS					
X	0				5.4	-		-5.4		887.8	X	0	0	1441,184	654,804	
1	613	612	309°22.5'	-14.9°	6.8	87°	+32.0	+25.2		918.4	TP	+254	-557.2	1441,938	654,245	
1	613				5.0	87°10'	+30.3	+25.3			TP					
	1320		122°19.2' +180°	-14.9°	+7.8	BH	+6.6	+14.7	932.8		BS	+395	-1257.2			
	1320				+14.4	-		+14.4			BS					
2	990		121°16'	-14.9°	11.9	-		-11.9		920.9		-279	+750	1441,554	653,934	↑
3	660		" "	"	10.3	-		-10.3		922.5		-186	+63.3	1441,647	653,617	Paradox Lake 7 1/2'
4	330		" "	"	8.4	-		-8.4		924.4		-93	+317	1441,740	653,301	Schraon Lake 15'
5	0				5.4	-		-5.4		927.4	X	0	0	1441,833	652,984	↓
6	330		281°21'	-14.9°	1.2	89°	+5.8	+4.6		937.4		-20	-329	1441,813	652,655	
7	660	659	274°42'	-14.9°	1.8	87°	+34.5	+32.7		965.5	TP	-117	-649.2	1441,716	652,333	TP opposite station
7	660				0.3	87°8'	+33.0	+32.7			TP					
	660		119°14' +180°	-14.9°	+13.0	91°	+11.5	+24.5	990.0		BS	+163	-639.2			
	660				+15.0	90°50'	+9.6	+24.6			BS					
8	330		123° -	-14.9°	7.3	-		-7.3		982.7		-123	+314	1441,776	652,006	
9	0				5.4	-		-5.4		984.6	X	0	0	1441,879	651,692	
10	330		122°43'	-14.9°	7.3	-		-7.3		983.7		+101	-314	1441,980	651,378	
11	660				9.5	-		-9.5		980.5		+202	-628	1442,081	651,064	

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DATE 9/15/80	INSTRUMENT MAN S. Cottrill	ROD MAN L. Davis	PARTY NUMBER 6834	NOTES CHECKED BY GHL	LINE NO. 77	PAGE 22
AREA New York	TOPO MAP Schroon Lake 15'	STATE New York	COUNTY Essex	TWP	RANGE	PPM
PARTY MANAGER L. Davis						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									990.0					
12	990		302°43'	-14.9°	11.7	-		-11.7		978.3		+303	-943	1,442,182 650,799
13	1300		302°7'	-14.9°	11.0	-		-11.0		979.0	TP	+391	-1261.2	1,442,270 650,429
13	1300				4.4	62	-6.6	-11.0			TP			
	985		103°37'+180°	-14.9°	15.7	71°	+17.2	+29.9	1008.9		BS	-22	-985.2	curve
	985				15.0	90°52'	+17.9	+29.9			BS			
14	658		99°31'	-14.9°	12.1	91°	-11.5	-21.4		987.3		+62	+655	1,442,310 650,097
15	330		95°42'	-14.9°	13.4	-		-13.4		994.5		+53	+326	1,442,301 649,768
16	0				5.4	-		-5.4		1003.5	TP	0	0	1,442,298 649,442
17	330		279°16'	-14.9°	6.1	88°	+11.5	+5.4		1014.3		-32	-328	1,442,216 649,114
18	662		282°9.7'	-14.9°	5.4	88°	+23.1	+17.7		1026.6	TP	-32	-661.2	1,442,216 648,779
18	662				1.5	88°20'	+19.2	+17.7			TP			
	653		112°13'+180°	-14.9°	11.6	91°	+11.4	+24.9	1051.5		BS	+83	-648.2	
	653				11.6	91°0'	+13.3	+24.9			BS			curve
19	330		104°26'	-14.9°	11.7	-		-11.7		1037.8		+3	+330	1,442,302 648,459
20	0				5.4	-		-5.4		1046.1	TP	0	0	1,442,299 648,129
21	330		272°39'	-14.9°	3.0	-		-3.0		1045.5		-70	-322	1,442,229 647,807
22	656		276°15'	-14.9°	11.8	89°	+11.4	-0.4		1056.1	TP	-99	-649.2	1,442,200 647,478
22	656				8.0	89°20'	+7.6	-0.4			TP			
	988	987	114°24'+180°	-14.9°	11.5	92°	+34.5	+46.0	1097.1		BS	+157	-974.2	curve
	988				14.4	91°50'	+31.6	+46.0			BS			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8/6/80		G. Cotcamp		P. Harris		6927		JHL rluw		7	3					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
New York		Schroon Lake 15'		New York	Essex					L. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES Y X		REMARKS
									1097.1							
23	660		113°15'	-14.9°	13.6	92°-	-23.0	-36.6		1060.5		-96	+653	1,442,261	647,155	
24	330		109°10'	-14.9°	10.8	91°-	-5.8	-16.6		1090.5		-25	+329	1,442,332	646,831	
25	0				5.4	-		-5.4		1091.7	T	0	0	1,442,357	646,502	
26	330		279°33'	-14.9°	1.3	TH	+1.7	+0.4		1097.5		-31	-329	1,442,326	646,173	
27	660		"	"	4.7	89°-	+11.5	+6.8		1103.9		-62	-657	1,442,295	645,845	
28	990		279°33'	-14.9°	4.7	89°-	+17.3	+12.6			TP	-92	-986-2	1,442,265	645,514	
28	990				0.7	89°14'	+13.2	+12.5		1109.6	TP					
	664		107°0'+180°	-14.9°	+14.5	-		+14.5	1124.1		BS	+24	-664-2			
	664				+11.2	84	+3.3	+14.5			BS					
29	332		107°-	-14.9°	8.0	-		-8.0		1116.1		-12	+332	1,442,277	645,180	
30	0				5.4	-		-5.4		1118.7	T	0	0	1,442,289	644,848	T opposite side
31	330		203°40'	-14.9°	1.8	-		-1.8		1122.3		+106	-312	1,442,395	644,536	
32	660		301°5'	-14.9°	2.1	78°-	+23.0	+20.9		1145.0		+184	-634	1,442,473	644,214	
32	990	989	299°23'	-14.9°	4.0	87°30'	+43.1	+39.1		1163.2	TP	+242	-959-2	1,442,531	643,887	T opposite side
33	990				6.9	87°20'	+46.0	+39.1			TP					
	990		123°11'+180°	-14.9°	+1.2	TH	-5.0	-3.8	1159.4		BS	+311	-940-2			
	990				+4.9	89°30'	-8.6	-3.7			BS					
34	660		123°11'	-14.9°	5.2	-		-5.2		1154.2		-207	+627	1,442,635	643,572	
35	330		"	"	10.8	-		-10.8		1148.6		-104	+313	1,442,738	643,258	
36	0				5.4	-		-5.4		1154.0	T	0	0	1,442,842	642,945	

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DATE 8/6/80	INSTRUMENT MAN G. C. Camp	ROD MAN D. Marks	PARTY NUMBER 6824	NOTES CHECKED BY HLL rlw	LINE NO. 7	PAGE 4
AREA New York	TOPO MAP Schinn Lake 15'	STATE New York	COUNTY Essex	TWP	RANGE	PPM
			PARTY MANAGER L. 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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									1159.4					
37	330		312°23'	-14.9°	5.5	87°-	+17.2	+11.7		1171.1		+152	-293	1,442,994 642,652
38	660	659	314°10'	-14.9°	5.8	87°-	+34.5	+28.7		1188.1		+322	-575	1,443,164 642,370
39	992	992	240°45.6'		12.9	87°-	+51.9	+39.0		1198.4	TP	+524	-843.2	1,443,366 642,100 7.1 opposite sta.
39	992	"	316°45.6'	-14.9°	7.1	87°20'	+46.1	+39.0			TP			
	793		146°43.7' +180°	-14.9°	+14.9	90°20'	+51.8	+20.7	1219.1		BS	+662	-740.2	
	993				+13.8	90°24'	+6.9	+20.7			BS			
40	660		146°43.7'	-14.9°	12.1	-	-	-12.1		1207.0		-440	+492	1,443,588 641,850
TP	572		148°58'	-14.9°	4.9	-	-	-4.9		1214.2		-259	+267	1,443,769 641,625 1.5 way to rd
41	330		147°50'	-14.9°	4.4	-	-	-4.4		1214.7		-225	+242	1,443,803 641,600
42	0				5.4	-	-	-5.4		1213.7	X	0	0	1,444,028 641,358
43	330		331°57'	-14.9°	10.4	-	-	-10.4		1208.7		+242	-225	1,444,270 641,133
44	660		"	"	12.5	BH	-3.3	-15.8		1203.3		+483	-450	1,444,511 640,908
45	986		329°26.4'	-14.9°	9.2	90°40'	-11.5	-20.7		1199.4	TP	+692	-703	1,444,720 640,655 1.0
45	986				12.1	90°30'	8.6	-20.7			TP			
	327		114°9' +180°	-14.9°	+0.9	-	-	+0.9	1199.3		BS	+53	-323	
	327				+2.5	TH	-1.6	+0.9			BS			
	188		112°3'		3.7	-	-	-3.7		1195.6		-23	+187	1,444,750 640,519 trail (to rd)
46	0				5.4	-	-	-5.4		1153.9	X	0	0	1,444,773 640,332
47	330		251°47'	-15.1°	1.5	-	-	-1.5		1197.8		-131	-303	1,444,642 640,029
48	660		256°5'	-15.1°	5.2	89°-	+11.5	+6.3		1205.6		-320	-577	1,444,453 639,755

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
8/6/80		G. Sotomayor		D. Marks		2024		LHL rlu		7	5						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New York		Schroon Lake 15'		New York	Essex					L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									1199.3								
49	985		253° 38.8'	-15.1°	4.0	89°	+17.2	+13.2		1212.5	TP	-514+2	-840-2	AAA,261	639,490		
49	940				0.6	89° 10'	+13.8	+13.2			TP						
	660		72° 22' +180	-15.1°	+14.3	-		+11.3	1223.8		BS	-359+2	-554-2				
	660				+8.0	BH	+3.3	+11.3			BS						
50	330		72° 22'	-15.1°	4.9	-		-4.9		1218.9		+180	+277	AAA,084	639,211		
51	0				5.4	-		-5.4		1218.4	TP	0	0	AAA,904	638,934		
52	330		256° 30.6'	-15.1°	9.3	-		-9.3		1214.5		-156	-291	AAA,748	638,643		
53	660		" "	"	9.7	BH	5.3	-13.0		1210.8		-312	-581	AAA,592	638,353		
54	990		" "	"	11.8	BH	5.0	-16.8		1207.0		-469	-872	AAA,435	638,062		
55	1320		256° 30.4'	-15.1°	9.2	78° 30'	-11.5	-20.7		1203.1	TP	-625+2	-1163-2	AAA,281	637,769		
55	1320				5.5	90° 40'	-15.4	-20.7			TP						
	1323		67° 9' +180	-15.1°	+12.5	-		+12.5	1215.6		BS	-814+2	-1043-2				
	1323				+5.9	BH	+6.6	+12.5			BS						
56	990		65° 6'	-15.1°	8.4	-		-8.6		1207.0		+636	+758	AAA,105	637,482		
57	863		65° 35'	-15.1°	12.9	-		-12.9		1202.7		+549	+666	AAA,018	637,390	T-Rd	
57	660		65° 6'	-15.1°	11.3	-		-11.3		1204.3		+424	+506	AAA,893	637,230		
58	330		" "	"	8.1	-		-8.1		1207.5		+212	+253	AAA,681	636,977		
59	0				5.4	-		-5.4		1210.2	TP	0	0	AAA,269	636,724		
60	330		260° 17'	-15.1°	0.3	-		-0.3		1215.3		-139	-300	AAA,330	636,424		

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DATE 8/7/80	INSTRUMENT MAN G LITZINGER		ROD MAN D MARKS		PARTY NUMBER 6834	NOTES CHECKED BY bhl rlu		LINE NO. 7	PAGE 66
AREA New York	TOPO MAP SCHROON LAKE 15'	STATE New York	COUNTY ESSEX		TWP	RANGE	PPM	PARTY MANAGER L DAVIS	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									1215.6							
61	657		265° 0.4'	-15.1°	7.1	88° 30'	+17.2	+10.1		1225.7	TP	-226+2	-617-2	1442,245	636,105	CORNER
61	657				5.2	89° 40'	+15.3	+10.1			TP					
	660		91° 55' +180°	-15.1°	710.2	92° -	+23.0	+33.2	1238.9		BS	-151+2	-643-2			
	660				48.3	92° 10'	+24.9	+33.2			BS					
62	330		91° 55'	-15.1°	7.7	92° -	-11.5	-19.2		1239.7		+75	+321	1442,171	635,781	
62	197		77° 12'	-15.1°	5.0	91°	-3.4	-8.4		1250.5		+92	+174	1442,188	635,634	USCE5 6 249 CL12499 1966 ACSET
63	0				5.4	-		-5.4		1253.5	TP	0	0	1442,096	635,460	
64	330		272° 18'	-15.1°	3.2	89° -	+5.8	+2.6		1261.5		-73	-322	1442,073	635,138	
65	643		270° 23.7'	-15.1°	10.1	89° -	+11.6	+1.5		1260.4	TP	-168+2	-641-2	1441,930	634,817	
65	643				6.2	89° 20'	+7.7	+1.5			TP					OPP STATION
	664	665	117° 5' +180°	-15.1°	+12.9	87° -	-34.8	-21.9	1238.5		BS	+138+2	-651-2			
	664				+9.0	87° 20'	-30.9	-21.9			BS					
66	330		121° 24'	-15.1°	2.6	88° -	+11.5	+8.9		1247.4		-93	+317	1441,977	634,481	
67	0				5.4	-		-5.4		1233.1	TP	0	0	1442,070	634,164	
68	330		301° 53.5'	-15.1°	9.1	91° -	-5.8	-14.9		1223.6		+95	-316	1442,165	633,848	
69	660		"		7.6	91° -	-11.5	-19.1		1219.4		+191	-632	1442,261	633,532	
70	985		299° 0.8'	-15.1°	5.7	91° -	-17.2	-22.9		1215.6	TP	+237+2	-956-1	1442,309	633,207	CORNER
70	985				8.6	90° 50'	-14.3	-22.9			TP					
	656		81° 52.1 +180	-15.1°	+9.7	-		+9.7	1225.3		BS	-259+2	-603			
	656				+6.4	84	+3.3	+9.7			BS					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
8/7/80		G LITZINGER		D MARKS		5834		SLL rlu		7	7						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New York		Schroon Lake 15'		NEW YORK	ESSEX					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		
									1235.3								
71	330		75° 2'	-151°	9.1	-		-9.1		1216.2		+165	+286	1442,217	632,890	CURVE	
72	0				5.4	-		-5.4		1219.9	T	0	0	1442,052	632,604		
73	330		253° 8'	-151°	2.9	87°	+5.8	+2.9		1228.2		-175	-280	1441,877	632,324		
74	662		251° 59.3'	-151°	1.2	89°	+11.6	+10.4		1235.7	TP	-362.2	-554	1441,692	632,050	OPP STATION	
74	662				3.1	88° 50'	+13.5	+10.4			TP						
	668		92° 26' +180°	-151°	+5.6	-		+5.6	1241.3		BS	-151+2	-651				
	668				+8.9	TH	-3.3	+5.6			BS						
75	330		91° 32'	-151°	5.0	-		-5.0		1236.3		+77	+321	1441,620	631,720		
76	0				5.4	-		-5.4		1235.9	T	0	0	1441,543	631,399		
77	330		271° 31'	-151°	5.9	-		-5.9		1235.4		-78	-321	1441,465	631,078		
77	660		270 8.7'	-151°	2.2	-		-2.2		1239.1		-170	-638	1441,373	630,761	CL 1238.3	
78	640		271° 31'	-151°	2.4	-		-2.4		1238.9		-155	-642	1441,388	630,757		
79	990		"	"	4.6	89°	+17.3	+12.7		1254.0		-233	-962	1441,310	630,437		
80	1320	1319	273° 35.3'	-151°	12.9	88°	+46.0	+33.1			TP	-267.2	-1292	1441,278	630,107		
80	1320				9.2	88° 10'	+42.2	+33.0		1274.3	TP						
	1320		113° 44' +180	-151°	+14.5	90° 30'	+11.5	+25.8	13001		BS	+178+2	-1305				
	1320				+12.8	90° 34'	+13.1	+25.9			BS						
81	990		114° 16'	-151°	12.9	-		-12.9		1287.2		-158	+977	1441,320	629,779		
82	660		"	"	9.7	-		-9.7		1290.4		-105	+652	1441,373	629,554		
83	330		"	"	8.6	-		-8.6		1291.5		-53	+326	1441,425	629,128		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8/7/80	INSTRUMENT MAN GLITZINGER		ROD MAN D MARKS	PARTY NUMBER 6834	NOTES CHECKED BY SLO	LINE NO. 7	PAGE 8
AREA New York	TOPO MAP SCHOOL LAKE 15'	STATE NEW YORK	COUNTY ESSEX	TWP	RANGE	PPM	PARTY MANAGER DAVIS

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									1300.1							
84	0				5.4	-		-5.4		1294.7	T	0	0	1441478	628802	
85	330		294° 20'	-15.1°	3.3	89°	+5.8	+2.5		1302.6		+53	-326	1441531	628476	
84	660		"	"	9.4	88°	+23.0	+13.6		1313.7		+106	-651	1441584	628151	
87	988	987'	292° 32.3'	-15.1°	8.1	88°	+34.5	+26.4		1326.5	TP	+146+2	-976	1441626	627826	
87	988				5.2	88° 10'	+31.6	+26.4			TP					
	1320		96° 17.6' +180°	-15.1°	714.1	90° 30'	+11.5	+25.6	1352.1		BS	-202+2	-1304			
	1320				+10.3	90° 40'	+15.4	+25.7			BS					
88	970		96° 17.6'	-15.1°	6.8	90° 30'	-8.6	-15.4		1336.7		+152	+978	1441578	627500	
89	660		"		9.3	-		-9.3		1343.8		+101	+652	1441527	627174	
90	330		"		6.6	-		-6.6		1345.5		+51	+326	1441477	626848	
91	0				5.4	-		-5.4		1346.7	T	0	0	1441426	626522	
89	175		298° 49.7'	-15.1°	3.4	89°	+3.1	-0.3		1351.8		+42	-170	1441468	626352	J 249 USGS CL 1350.8 1964 RESET
92	330		284° 35.1'	-15.1°	3.4	-		-3.4		1348.7		-3	-330	1441423	626192	
93	660		"		0.3	-		-0.3		1351.8		-6	-660	1441420	625862	
94	970		"		7.6	89°	+17.3	+9.7		1361.8		-9	-970	1441417	625532	
95	1320		"		7.5	88° 30'	+34.5	+27.0		1379.1		-12	-1320	1441414	625202	
96	1450	1649'	284° 35.1'	-15.1°	7.0	89°	+57.6	+50.6			TP	-15+2	-1699	1441413	624873	
96	1650				2.3	88° 10'	+52.8	+50.5		1402.6	TP					
	1650	1646'	110° 10.5' +180°	-15.1°	+11.9	94°	+114.8	+126.7	1529.4		BS	+146+2	-1690			
	1650				+7.3	94° 10'	+119.6	+126.9	+126.8		BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE				
8/7/80		B. LITZINGER		D. MARKS		6834		DM			7	9				
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
NEW YORK		SCHARON LATC 15'		NEW YORK	ESSEX					D.V. 19						
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									1529.4							
97	1320	1317	110° 10.3'	-15.1°	10.4	94°	-91.9	-102.3		1427.1		-116	+1312	1441,445	624,545	
98	990	988	"	"	9.0	94°	-68.9	-77.9		1451.5		-87	+984	1441,474	624,217	
99	660	658	"	"	7.6	94°	-45.9	-53.5		1475.9		-58	+655	1441,503	623,888	
100	330		"	"	12.1	93°	-17.2	-29.3		1500.1		-29	+329	1441,532	623,562	
101	0				5.4	-	-	-5.4		1524.0	TP	0	0	1441,561	623,233	
102	330	329	291° 28'	-15.1°	3.8	86°	+23.0	+19.2		1548.6		+36	-327	1441,597	622,906	
103	660	658	"	"	2.5	86°	+45.9	+43.4		1572.8		+72	-654	1441,633	622,579	
104	990	988	291° 23'	-15.1°	1.0	86°	+68.9	+67.9		1597.3		+108	-982	1441,669	622,251	
105	1317	1313	293° 39'	-15.1°	10.8	85° 30'	+103.0	+92.2		1621.6	TP	+195+2	-1298	1441,758	621,935	curve
105	1317				7.0	85° 40'	+99.2	+92.2			TP					
	650	649	99° 14' +180°	-15.1°	+13.0	92°	+34.0	+47.0			BS	-78+2	-644			curve
	650				11.0	92° 10'	+35.9	+46.9	1668.5		BS					
106	330		90° 56'	-15.1°	6.8	92°	-17.2	-24.0		1644.5		+81	+320	1441,763	621,611	
107	0				5.4	-	-	-5.4		1663.1	TP	0	0	1441,682	621,291	
108	330	329	269° 36'	-15.1°	9.6	86°	+23.0	+13.4		1681.9		-88	-317	1441,594	620,974	
109	660	659	"	"	3.2	87°	+34.5	+31.3		1699.8		-176	-635	1441,506	620,656	
110	985	984	271° 4.9'	-15.1°	3.1	87°	+51.5	+48.4			TP	-238+2	-955	1441,446	620,336	
110	985				6.0	86° 50'	+54.3	+48.3		1716.8	TP					
	660		100° 26.3' +180°	-15.1°	+9.0	92°	+23.0	+32.0			BS	-54+2	-658			
	660				+7.0	92° 10'	+24.9	+31.9	1748.7		BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8-7/3-8-80	INSTRUMENT MAN G1	ROD MAN SIA	PARTY NUMBER 6931	NOTES CHECKED BY DM rlw	LINE NO. 7	PAGE 10
AREA NEW YORK	TOPO MAP SCHWAB LAKE	STATE NY	COUNTY ESSEX	TWP	RANGE	PPM
				PARTY MANAGER LD		

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.	
									1748.7					
111	330		100° 26.3'	-15.1°	6.3	92°	-11.5	-17.8		1730.9		+27	+329	AA1,421 620,007
111M	222		89° 29.3'	-15.1°	7.6	—	—	-7.6		1741.1		+60	+214	AA1,454 619,892
112	0				5.4	—	—	-5.4		1743.3	T	0	0	AA1,394 619,678
113	330		277° 44'	-15.1°	4.4	88°	+11.5	+7.1		1735.8		-42	-327	AA1,352 619,351
114	658		276° 19.4'	-15.1°	3.8	88°	+23.0	+19.2		1767.9	TP	-100+2	-650	AA1,296 619,028 CURVE
114	658				1.8	88° 10'	+21.0	+19.2			TP			
	990		101° 15.3'	-15.1°	+12.6	92°	+34.5	+47.7	1815.0		BS	-186+2	-972	
	450		115°	+	+9.7	92°	+37.4	+47.1			BS			
115	660		98° 39'	-15.1°	-12.9	92°	-23.0	-34.9		1780.1		+104	+652	AA1,216 618,708
116	330		98° 39'	-15.1°	-2.2	92°	-14.4	-22.5		1792.5		+37	+328	AA1,149 618,384
117	0				5.4	—	—	-5.4		1809.6	T	0	0	AA1,112 618,056
118	330	329	282° 04.5'	-15.1°	-9.0	85°	+28.7	+19.7		1834.7		-13	-329	AA1,099 617,727
119	660	657	"	"	42'	85°	+57.3	+45.2		1860.2		-27	-656	AA1,085 617,400
120	440	987	"	"	3.4	85° 30'	+77.4	+71.5		1886.5		-40	-986	AA1,072 617,070
121	1316	1316	282° 45.1'	-15.1°	6.7	85° 20'	+103.3	+97.2				-54+2	-1315	AA1,060 616,741
					1.8	85°	+99.4	+97.1		1912.1				
	270	988	280° 51.0'	-15.1°	10.5	82° 20'	+60.3	+70.8	1982.9		BS	-202+2	-967	
	400				7.6	82° 20'	+63.2	+70.8			BS			
122	660	659	93° 19.8'	-15.1°	6.0	82° 20'	-40.2	-46.2		1936.7		+134	+695	AA0,994 616,419

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	AGE						
8/8/80		D. Marks		G. Litzinger		6837		DM		7	11						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New York		Schroon Lake 15'		New York	Essex					L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									1982.9								
123	330	329	93° 19.8'	-15.1°	-4.8	9330	-20.1	-24.9		1958.0		+67	+322	1440927	616,096		
124	0				-5.4	—		-5.4		1977.5	π	0	0	1440860	615,774		
125	330		272° 14.3'	-15.1°	-4.3	87	+17.2	+12.9		1995.8		-73	-322	1440787	615,452		
126	660	659		"	-11.1	87	+34.5	+23.4		2006.3		-147	-642	1440713	615,132		
127	990	989	272° 14.3'	-15.1°	-13.0	87	+40.3	+27.3		2010.1		-220+2	-964	1440642	614,810		
127	990				-12.0	87	+39.1	+27.1	27.2								
	1320		91° 34.9' 180	-15.1°	+12.9	L		+12.9	2023.0			-309+2	-1283				
	1320				+6.3	BH	+6.6	+12.9									
128	990		92° -	-15.1°	-10.5	L		-10.5		2012.5		+224	+964	1440559	614,491		
129	660		93° -	-15.1°	-8.4	L		-8.4		2014.6		+138	+645	1440473	614,172		
130	330		94° 47'	-15.1°	-6.6	L		-6.6		2016.4		+59	+325	1440374	613,852		
131	0				-5.4			-5.4		2017.6	π	0	0	1440335	613,527		
132	330		279° 14'	-15.1°	-5.7	L		-5.7		2017.3		-34	-328	1440301	613,199		
133	660		282° 37.5'	-15.1°	-12.0	BH	-3.3	-15.3		2007.7	TP	-29+2	-659	1440308	612,868		
133	660				-13.3	9010	-1.9	-15.2			TP						
	989	987	102° 27' 180	-15.1°	+12.3	8610	-66.0	-53.7	1954.0		BS	-46+2	-986				
	989				+6.6	8630	-60.3	-53.7			BS						
134	660	659	101°	-15.1°	-2.9	8630	+40.2	+37.3		1991.3		+47	+657	1440311	612,539		
135	330	329	97° 12'	-15.1°	-3.9	8630	+20.1	+16.2		1970.2		+34	+327	1440298	612,209		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8/8/80	INSTRUMENT MAN D. Marks	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY DM	LINE NO. 7	PAGE 12
AREA New York	TOPO MAP Schroon Lake 15'	STATE New York	COUNTY Essex	TWP	RANGE	PPM
				PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									1984.0					
136	0				-54	—		-5.4		1948.6		0	0	1,440,269.6 1,882
137	330		274°19.7'	-15.1°	-10.1	93	-17.2	-27.3		1926.7		-62	-324	1,440,202.6 1,558
138	660	659	"	"	-11.4	93	-34.5	-45.9		1908.1		-123	-647	1,440,141.6 1,235
139	990	989	"	"	-4.5	93	-51.7	-56.2		1897.8		-185	-972	1,440,079.6 0,910
140	1320	1319	274°19.7'	-15.1°	-13.0	92	-46.0	-59.0		1895.0	TP	-247.1	-1296	1,440,018.6 0,586
140	1320				-9.1	9210	-49.9	-59.0			TP			
	1650		94°43'+180	-15.1°	+14.3	89	-28.8	-14.5	1880.5		BS	-311	-1620	
	1650				+9.5	8910	-24.0	-14.5			BS			
141	1320		99°19.3'	-15.1°	-9.3	89	+23.0	+13.7		1894.2		+249	+1296	1,439,956.6 0,262
142	990		"	"	-54	89	+17.3	+11.9		1892.4		+187	+972	1,439,874.6 0,938
143	660		"	"	-32	89	+11.5	+8.3		1888.8		+124	+648	1,439,831.6 0,614
144	330		"	"	-34	89	+5.8	+2.4		1882.9		+62	+324	1,439,769.6 0,290
145	0				-54	—		-5.4		1875.1		0	0	1,439,707.6 0,966
146	330		278°01.1'	-15.1°	-4.2	L		-14.2		1866.3		-41	-327	1,439,666.6 0,639
147	660		"	"	-14.0	BH	3.3	-17.3		1863.2		-81	-655	1,439,626.6 0,311
148	990		"	"	-12.9	L		-12.9		1867.6		-122	-982	1,439,585.6 0,984
149	1320		278°1.1'	-15.1°	-5.1	L		-5.1		1875.4		-163	-1310	1,439,544.6 0,656
149	1320				-11.7	TH	+6.6	-3.1						
	1320	1319	90°36.7'+180	-15.1°	+15.0	9210	+49.9	+64.9	1940.3		BS	-330	-1277	
	1320				+11.2	9220	+53.7	+64.9			BS			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8.8.80	INSTRUMENT MAN DM	ROD MAN 92	PARTY NUMBER 121	NOTES CHECKED BY DM rlw	LINE NO. 7	PAGE 13
AREA S...	TOPO MAP S...	STATE ...	COUNTY ...	TWP ...	RANGE ...	PPM ...
			PARTY MANAGER 2D			

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
									1940.3						
150	990	989	(90°36.7')	-151°	15.2	9220	-40.3	-55.5		1884.8		+247	+958	1439,461	607,337
151	660	659	"	"	9.8	9220	-26.8	-54.6		1905.7		+165	+638	1439,319	607,017
152	330		"	"	-0.7	9220	-13.4	-11.1		1926.2		+83	+320	1439,297	606,699
153	0				-5.4	-	-	-5.4		1934.9		0	0	1439,214	606,379
154	330		273°54'	-151°	-6.0	L	-	-6.0		1934.3		-64	-324	1439,150	606,055
155	660		274°30'	-151°	-9.6	L	-	-9.6		1930.7		-121	-649	1439,093	605,730
TP	910		276°16.1'	-151°	-8.1	L	-	-8.1		1932.2		-140	-899	1439,074	605,480
TP	910				-3.5	BH	-4.6	-8.1							
	400	399	126°47.7'+180	-151°	19.4	87	-20.9	-11.5	1920.7			+147	-371		
	400				18.2	8710	-19.7	-11.5							
156	323		126°47.7'	-151°	-6.2	87	+16.7	+16.7		1931.4		-119	+300	1439,102	605,409
157	0				-5.4	-	-	-5.4		1915.3		0	0	1439,221	605,109
158	330		278°11.1'	-151°	-6.3	93	-17.2	-29.5		1897.2		-40	-328	1439,181	604,781
159	660	659	278°11.1'	-151°	-14.7	93	-34.5	-49.2		1871.5		-79	-654	1439,142	604,455
159	660				-12.7	9310	-36.4	-49.1							
	650		88°15.3'+180	-151°	+5.2	89	-11.8	-6.1				-188	-622		
	650				+3.3	8910	-9.5	-6.2	1865.3						
160	325		88°15.3'	-151°	-10.4	89	-	-4.7		1860.6		+94	+311	1439,048	604,144
161	0				-5.4	-	-	-5.4		1859.9		0	0	1438,954	603,833
162	330	329	289°31'	-151°	-7.7	85	+28.7	+21.0		1886.3		+25	-328	1438,979	603,505

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8/8/80	INSTRUMENT MAN D. Marks	ROD MAN G. Litzinger	PARTY NUMBER 6834	NOTES CHECKED BY DM	LINE NO. 77	PAGE 14
AREA New York	TOPO MAP Schroon Lake 15'	STATE New York	COUNTY Essex	TWP	RANGE	PPM
PARTY MANAGER L. Davis						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									1865.3					
163	2662	659	285°44.7	-15°	-13.6	8510	+55.6	+72.0				+7	-659	A38,961603,174
163	662				-11.8	8520	+53.7	+41.9		1907.2				
	659		94°10.44180	-15.1°	+4.1	88	-23.0	-18.9	1888.3			-125	-647	
	659				+3.0	8806	-21.8	-18.8						
164	330		99°10.9'	-15.1°	-8.0	88	+11.5	+3.5		1891.8		+63	+324	A38,899602,852
165	0				-5.4			-5.4		1882.9	X	0	0	A38,836602,527 *TOP OF STAKE
166	330		282°56'	-15.1°	-9.6	91	-5.8	-15.4		1872.9		-12	-330	A38,824602,197
167	660				-9.2	91	-11.5	-20.7		1867.6		-25	-660	A38,811601,867
168	980		282°56'	-15.1°	-12.8	9110	-70.0	-32.8		1855.5		-37	-979	A38,799601,548
168	980				-9.9	9120	-32.8	-32.7						
	320		83°00.54180	-15.1°	+3.5	8650	-17.7	-17.2	1841.3			-120	-297	
	320				+2.5	87	-16.7	-11.2						
169	0				-5.4			-5.4		1835.9	X	0	0	A38,679604,251
170	330		234 55.3	-15.1°	-12.6	91	-5.8	-18.4		1822.9		-253	-211	A38,426601,040
171	665		234 55.3	-15.1°	-13.9	92	-23.2	-37.1		1804.2		-511	-426	A38,168600,825
171	665				-12.0	9210	-25.1	-37.1						
	330		300°23.1' + 180	-15.1°	+10.4	87	-17.2	-6.8	1797.4		BS	-138	-300	
	330				+9.5	8710	-16.3	-6.8			BS			
172	0				-5.4			-5.4		1792.0	X	0	0	A38,030600,525

KEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

445

DATE 8/8/80	INSTRUMENT MAN D. Marice		ROD MAN G.L. Zinner		PARTY NUMBER 6834		NOTES CHECKED BY DM rlu		LINE NO. 77	PAGE 15
AREA New York	TOPO MAP Schroon Lake 15'	STATE New York	COUNTY Essex		TWP	RANGE	PPM	PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									1797.4							
175	220		255° 18'	-15.1°			-17.2	-26.5				-275	-182	1437,755	600,343	
176	320						-18.2	-26.6		1770.8						
	300	489	255° 18'	-15.1°	14.7		-25.6	-16.2	1754.6			-470	-136			
	300				15.2		-24.2	-16.2								
177	300		255° 18'	-15.1°	14.8		+8.9	-1.7		1752.9		+155	+71	1437,440	600,278	
177	300				14.7			-5.4		1749.2	T	0	0	1437,285	600,207	TOP OF STAKE
177	330		255° 18'	-15.1°	13.0			-8.9		1745.7		-63	-147	1437,227	600,060	
176	504		258° 44'	-15.1°	10.6	L		-10.6		1794.0		-228	-499	1437,057	599,758	
X _W	775		255° 18'	-15.1°	10.5	L		-10.2		1744.4		-404	-661	1436,880	599,546	e). 1742.8 TOP OF STAKE
X _W	911		255° 18'	-15.1°	10.5	L		-11.1		1743.5		-410	-697	1436,875	599,510	1436,875 + 599,510
177	834		255° 18'	-15.2°	10.2			-11.4		1743.2		-416.1	-723.1	1436,868	599,485	horiz. correct. y = +61 x = -51
177	834				10.2		-4.2	-11.4								
	662		74° 42.3' + 180°	-15.2°	+10.4	91° -	+11.6	+22.0	1765.2			-336.1	-570.1			
	662				+14.3	90° 40'	+7.7	+22.0								
178	330		77° 10'	-15.2°	13.5	91° -	-5.8	-9.3		1745.9		+155	-291	1436,686	599,207	
179	0				5.4	-		-5.4		1759.8	T	0	0	1436,531	598,916	set-up opposite st.
180	330		274° 30.4'	-15.2°	4.9	87° -	+17.3	+12.4		1777.6		-61	-324	1436,470	598,592	
181	660	659	"	"	9.4	87° -	+34.5	+25.1		1790.3		-122	-648	1436,409	598,268	
182	997	996	274° 30.4'	-15.2°	11.0	87° 30'	+43.5	+32.5			TP	-185.1	-979.1	1436,345	597,938	
182	997				8.2	87° 40'	+40.6	+32.4		1797.6	TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
9/17/90		G.C. Camp		I. Marks		1001		DM		7	16						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
Manhasset		1:50,000	N.Y.	Suffolk					L. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
182										1797.6							
	990	987	102° 2.6' +180°	-5.2°	+13.7	92° 30'	+43.1	+56.8	1854.4		BS	-54.1	-987.1				opposite sta.
	990				+10.8	92° 40'	+46.0	+56.8			BS						
183	660	659	79° 43'	-5.2°	9.0	93° -	-34.5	-43.5		1810.9		+63	+656	1436,353	597,608		
184	330		" "	" "	8.8	93° -	-17.2	-26.0		1828.4		+32	+328	1436,322	597,280		
185	0				5.4	-		-5.4		1849.0	X	0	0	1436,290	596,952		
186	333		285° 41'	-15.2°	1.8	88° -	+11.6	+9.8		1864.2	TP	+3.1	-333.1	1436,292	596,620		TP opposite sta.
186	333				0.4	88° 14'	+10.3	+9.9			TP						
	339		127° 39' +180°	-15.2°	+11.3	-		+11.3	1875.5		BS	+129.1	-313.1				
	339				+9.6	84	+1.7	+11.3			BS						
187	0				5.4	-		-5.4		1870.1	X	0	0	1436,270	596,308		TP opposite sta.
188	333		340° 19.6'	-15.2°	0.5	74	+1.7	+1.2		1876.7		+273	-190	1436,693	596,118		
189	663		340° 19.6'	-15.2°	13.8	88° -	+23.1	+9.3		1884.8	TP	+544	-379.1	1436,964	595,930		
189	663				12.6	88° 6'	+22.0	+9.4			TP						
	652		131° 38' +180°	-15.2°	+13.1	88° -	-22.7	-9.6	1875.2		BS	+290	-584.1				curve
	652				+5.6	88° 40'	-15.2	-9.6			BS						
190	330		127° 47'	-15.2°	5.0	88° -	+11.5	+6.5		1881.7		-127	+305	1437,127	595,652		
191	0				5.4	-		-5.4		1869.8	X	0	0	1437,254	595,347		
192	330		295° 39'	-15.2°	7.5	93° -	-17.2	-24.7		1850.5		+60	-325	1437,314	595,022		
193	660	659	294° 40'	-15.2°	2.6	93° -	-34.5	-35.1		1840.1	TP	+108	-650.1	1437,362	594,698		
193	660				12.0	92° -	-23.0	-35.0			TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE <i>11/15/00</i>	INSTRUMENT MAN <i>...</i>		ROD MAN <i>...</i>		PARTY NUMBER <i>...</i>		NOTES CHECKED BY <i>DM</i>		LINE NO. 7	PAGE 17
AREA <i>New York</i>	TOPO MAP <i>...</i>	STATE <i>New York</i>	COUNTY <i>...</i>		TWP <i>...</i>	RANGE	PPM	PARTY MANAGER <i>...</i>		

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	
193										1840.1						
	320		94°3' +180°	-15.2°	+12.4	91°	+5.6	+18.0	1858.1		BS	-62	-314.1			
	320				+14.3	90°40'	+3.7	+18.0		BS						
194	0				5.4	-		-5.4		1852.7	π	0	0	1437,300	594,385	
195	336		252°21.6'	-15.2°	2.5	87°	+17.6	+15.1		1873.2	TP	-182	-292.1	1437,118	594,104	T.P. opposite sta.
195	336				0.5	87°20'	+15.6	+15.1			TP					
	663		96°25.3' +180°	-15.2°	+14.7	92°30'	+28.9	+43.6	1916.8		BS	-101	-655.1			
	663				+12.8	92°40'	+30.8	+43.6		BS						
196	330		98°4'	-15.2°	11.2	92°	-11.5	-22.7		1894.1		+41	+32.7	1437,058	593,777	
197	0				5.4	-		-5.4		1911.4	π	0	0	1437,017	593,950	
198	330		270°48'	-15.2°	3.0	89°	+5.8	+2.8		1919.6		.82	-32.0	1436,935	593,130	
199	658		265°29.3'	-15.2°	9.2	89°	+11.5	+2.3			TP	-222	-619.1	1436,795	592,822	
199	658				5.5	89°20'	+7.7	+2.3		1913.0	TP					
	326		63°56' +180°	-15.2°	+3.5	-		+3.5	1922.5		BS	-215	-245.1			
	326				+5.2	TH	-1.6	+3.6		BS						
200	0				5.4	-		-5.4		1917.1	π	0	0	1436,580	592,588	
201	342		223°53'	-15.2°	8.0	-		-8.0		1914.5	TP	-300	-169.1	1436,280	592,925	T.P. opposite sta.
201	342				6.3	BH	-1.7	-8.0			TP					sharp curve
	339		89°46' +180°	-15.2°	+1.3	-		+1.3	1915.8		BS	-90	-327.1			
	339				+3.0	TH	-1.7	+1.3		BS						
202	0				5.4	-		-5.4		1910.4	π	0	0	1436,190	592,099	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
2/12/80		S. Cottrill		F. Marks		6839		DM		77		18		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
New York		Schroen Lake 15'		New York		Essex						L. 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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									1915.8					
203	330		285°5'	-15.2°	11.2	91°-	-5.8	-17.0		1898.8		-1	-330	1436,189 591,769
204	660		282°5'	-15.2°	11.2	92°-	-23.0	-34.2		1881.6		-1	-660	1436,189 591,439
205	990	989	279°51.3'	-15.2°	10.8	92°-	-34.5	-45.3			TP	-92	-985+1	1436,098 591,115
205	990				13.7	91°30'	-31.7	-45.4		1870.4	TP			
	285		115°12.4'+180°	-15.2°	+5.1	89°-	-5.0	+0.1	1870.5		BS	-50	-281+1	
	285				+7.6	88°30'	-7.5	+0.1			BS			
TF	200		122°33'	-15.2°	0.8	-		-0.8		1869.7		-60	+191	1436,088 591,026 Trail (south) el. 1871'
X	0				754	-		-5.4		1865.1	X	0	0	1436,148 590,835 split sta - curve
206	57		347°25'	-15.2°	7.2	-		-7.2		1863.3		+50	-27	1436,198 590,808
207	387		341°15'	-15.2°	15.0	-		-15.0		1855.5	TP	+321	-216+1	1436,669 590,620
207	387				13.1	BH	-1.9	-15.0			TP			
	996		166°55.8'+180°	-15.3°	+8.3	-		+8.3	1863.8		BS	+876	-473+1	
	996				+13.3	TH	-5.0	+8.3			BS			
208	666		166°55.8'	-15.3°	11.4	BH	-3.3	-14.7		1849.1		-586	+316	1436,759 590,767
209	336		"	"	12.1	-		-12.1		1851.7		-296	+160	1437,049 590,308
210	0				54	-		-5.4		1858.4	X	0	0	1437,345 590,148 X opposite sta.
211	330		13°1'	-15.3°	3.1	-		-3.1		1860.7		+330	-13	1437,675 590,135
212	667		13°1'	-15.3°	5.2	-		-5.2		1858.6	TP	+666	-27+1	1438,011 590,122
212	667				8.5	TH	+3.3	-5.2			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8/12/80		G. Cotcamp		D. Marks		6537		DM <i>rdw</i>		77	199					
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER						
New York		Schroon Lake 15'	New York	Essex						L. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
212										1858.6						
	330		176° 6.6' +180°	-15.3°	+4.5	-		+4.5	1863.1		BS	+312	-108			
	330				+6.2	TH	-1.7	+4.5			BS					
213	0				54	-		-5.4	1857.7		T	0	0	1438,323	590,014	
214	330		335° 56.5'	-15.3°	3.6	88° -	+11.5	+7.9	1871.0		TP	+255	-209	1438,578	589,805	
214	330				0.7	88° 30'	+8.6	+7.9			TP					
	577	576'	137° 3.6' +180°	-15.3°	+124	92° -	+30.2	+42.6	1913.6		BS	+303	-490			
	517				+9.1	93° 20'	+33.5	+42.6			BS					
215	247		129° -	-15.3°	10.9	92° -	-8.6	-19.5	1894.1			-99	+226	1438,782	589,591	
	T	0			54	-		-5.4	1908.2		T	0	0	1438,881	589,315	
216	83		287° 12'	-15.3°	2.8	-		-2.8	1910.8			+3	-83	1438,884	589,232	
217	402		273° 1.7'	-15.3°	3.5	88° -	+14.0	+10.5	1924.1		TP	-85	-393	1438,796	588,922	
217	402				1.2	88° 20'	+11.7	+10.5			TP					
	664		55° 46' +180°	-15.3°	+8.5	-		+8.5	1932.6		BS	-505	-431			
	664				+11.8	TH	-3.3	+8.5			BS					
218	332		55° 46'	-15.3°	3.0	-		-3.0	1929.6			+253	+215	1438,544	588,706	
219	0				54	-		-5.4	1927.2		T	0	0	1438,291	588,991	T opposite to
220	334		260° 39'	-15.3°	12.9	91° -	-5.8	-18.7	1913.9		TP	-139	-304	1438,152	588,187	
220	334				148	90° 40'	-3.9	-18.7			TP					
	660	659'	95° 0.5' +180°	-15.3°	+2.9	87° -	-34.5	-31.6	1882.3		BS	-118	-648			
	660				+1.0	87° 10'	-32.6	-31.6			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8/12/80	INSTRUMENT MAN	G. Cotcamp	ROD MAN	D. Morris	PARTY NUMBER	6839	NOTES CHECKED BY	DM adw	LINE NO.	77	PAGE	20	
AREA	New York	TOPO MAP	Schroon Lake 15'	STATE	New York	COUNTY	Fox	TWP		RANGE		PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	
									1882.3					
221	330		95° 0.5'	-15.3°	5.7	87° -	-17.2	-22.9		1859.9		+59	+325	1438,093 587864
222	0				5.4	-		-5.4		1876.9	TP	0	0	1438,031 587539
223	330		256° 46.4'	-15.3°	10.2	-		-10.2		1872.1	TP	-58	-290	1437,876 587249 BEGIN NEWCOMB
223	330				11.0	74	+1.7	-10.2			TP			QUAD (15')
	330		40° 26.2' +180°	-15.3°	+5.4	77	-11.5	-8.1			BS	-56.41	-57.1	
	330				+1.4	89°	-9.6	-8.7	1863.9		BS			
224	330		44° 55'	-15.3°	3.0	89° -	+5.8	+2.8		1866.7		+287	+163	1437,599 587,071
225	0				5.4	-		-5.4		1858.5	TP	0	0	1437,312 586,908 TP opposite of
TP	313		267° 18'	-15.3°	12.4	92° -	-10.9	-23.3		1840.6		-97	-298	1437,215 586,610 Trail (south)
226	340		266° 21.4'	-15.1°	12.2	92° -	-11.9	-24.1		1839.8	TP	-109+2	-322+2	1437,205 586,588 horiz. coord. y=-5'
226	340				14.2	91° 40'	-9.9	-24.1			TP			x=+21'
	340	339	154° 27' +180°	-15.1°	+4.1	86	-23.7	-19.6	1820.2		BS	+103+2	-323+2	
	340				+3.1	80	-22.7	-19.6			BS			
227	0				-5.4	-		-5.4		1814.8	TP	0	0	1437,310 586,267
228	340	322	270° 52.3'	-15.1°	+12.3	93	-17.5	-29.8		1790.4		+210	-261	1437,520 586,006
228	360	664	"	"	12.4	81	-46.3	-53.7			TP	+416+2	-518+2	1437,728 585,751
229	360				15.0	81	-48.3	-53.8		1766.4	TP			
	360		154° 45.3' +180°	-15.1°	+15.0	81	-17.2	-13.1	1753.3		BS	+252+2	-214+2	
	360				+12.0	81	-16.3	-13.1			BS			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8.13.80	INSTRUMENT MAN	DM	ROD MAN	GC	PARTY NUMBER	6834	NOTES CHECKED BY	DM	LDW	LINE NO.	77	PAGE	21
AREA	NEW YORK	TOPO MAP	NEWCOMB (15')	STATE	NY	COUNTY	ESSEX	TWP	RANGE	PPM	PARTY MANAGER LD			

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				
									1753.3										
230	0							-5.4		1747.9	X	0	0	1437,982	585,539				
231	335			-15.1°				-5.6		1747.7	TP	+135+2	-296+2	1438,119	585,245				
232	335						-1.6	-5.6			TP								
233	335			-15.1°			+11.3	+19.8			BS	-21+2	-323+2						
234	335						+12.2	+19.7	1767.4		BS								
235	990							-5.4		1762.0	TP	0	0	1438,100	584,924				
236	335		330° 35.5'	-14.8°			+11.5	+4.3		1771.7		-176	-279	1437,924	584,645				
237	660		"	"	100	8320	+17.3	+6.4		1773.8		-352	-558	1437,748	584,366				
238	990		"	"	-90	8330	+25.9	+16.9			TP	-528+2	-838+2	1437,574	584,088				IF POSSIBLE
239	990				-62	8840	+23.0	+16.8		1784.2	TP								
240	343		93° 26' +180	-14.8	+78	93	+17.9	+25.7	1809.9		BS	-67+2	-336+2						
241	343				+68	9310	+18.9	+25.7			BS								
242	0				-5.4			-5.4		1804.5	X	0	0	1437,509	583,754				IF POSSIBLE
243	335	334'	310° 30'	-14.8	-76	86	+23.3	+15.7		1825.6		+150	-298	1437,659	583,756				
244	673	672'	314° 42'	-14.8	+10	8625	+42.0	+41.0		1850.9	TP	+329+2	-586+2	1437,840	583,170				IF POSSIBLE
245	673				+10.0	8630	+41.0	+41.0			TP								
246	504		162° 19.9' +180	-14.8	+43	92	+17.6	+26.9			BS	+437+2	-252+2						
247	504				+118	9210	+19.0	+26.8	1877.7		BS								
248	166		155° 54.1'	-14.8	-74	91	-2.9	-10.3		1867.4		-129	+104	1438,150	583,027				
249	0				-5.4			-5.4		1872.3	X	0	0	1438,279	582,720				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	INSTRUMENT MAN	ROD MAN	PARTY NUMBER	NOTES CHECKED BY	LINE NO.	PAGE
8-13-80	DM	GC	6834	G.W.C. J.W.	77	22
AREA	TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM
NEW YORK	NEWCOMB (15')	NY	ESSEX			
					PARTY MANAGER	
					LD	

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			
									1877.7									
240	164		312° 25'	-14.8°	52	89	+2.9	-2.3		1875.4		+79	-144	1,438,358	582,776			
241	473		312° 25'	- "	113	82	+16.7	+9.4				+140+2	-457+2	1,438,421	582,465			
241	478				160	84.5	+15.3	+9.3		1887.0								
	330	329'	312° 25'	-14.8	107	91	+23.0	+32.2	1919.2		BS	+180+2	-276+2					
	330				133	91.5	+23.9	+32.2			BS							
241	0				54			-5.4		1913.8	7	0	0	1,438,604	582,191			
243	330	329'	312° 07'	-14.8°	38	86	+23.0	+20.2		1939.4		+81	-319	1,438,684	581,872			
244	630	658'	"	"	0.3	86	+45.9	+45.6		1964.8		+162	-638	1,438,765	581,553			
245	400	986'	"	"	172	85	+77.4	+70.2		1989.4	70	+242+2	-956+2	1,438,847	581,237			
246	384				17	84.5	+74.5	+70.2			"							
	332	664'	312° 15'	-14.8	113	84	+34.8	+46.6			BS	+162+2	-644+2					
	262				102	83	+36.7	+46.5	2035.9		BS							
247	330		121°	-14.8	38	82	-17.5	-21.3		2014.6		-93	+322	1,438,918	580,917			
	330				54			-5.4		2020.5		0	0	1,439,011	580,595	7	OFFSIDE	
248	330		325° 46'	-14.8	4.0	88.30	+8.6	+4.6		2040.5		+216	-249	1,439,227	580,346			
249	660		322° 21.7'	"	8.0	88.30	+17.3	+9.3		2045.2		+402	-523	1,439,413	580,072			
250	993		"	"	15.0	88.36	+18.4	+3.4		2039.3	TP	+605+2	-787+2	1,439,618	579,810			
250	993		"	"	14.0	88.39	+17.4	+3.4			TP							
	660	658'	142° 16.7'	-14.8°	+10.7	86	-45.9	-35.2	2004.1		BS	+460+2	-522+2					
	360				+8.8	86.10	-44.0	-35.2			BS							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8.12.00	INSTRUMENT MAN DM	ROD MAN A. J.	PARTY NUMBER 125	NOTES CHECKED BY Gwl. rlu	LINE NO. 7	PAGE 23
AREA NEW YORK	TOPO MAP NEWCOMB (15')	STATE NY	COUNTY ESSEX	TWP	RANGE	PPM
				PARTY MANAGER LD		

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+	EAST+	COORDINATES		REMARKS
												SOUTH-	WEST-	Y	X	
												LAT.	DEP.			
									2004.1							
251	320	329'	142°16.7'	-14.8	3.8	86	+23.0	+19.7		2023.8		-200	+261	1,439,820	579,551	
252	0				5.4			-5.4		1998.7	X	0	0	1,440,020	579,290	
253	320	329'	217°04.5'	-14.8	8.2	94	-23.0	-31.2		1972.9		+179	-276	1,440,199	579,914	
254	660	658'	"	"	11.5	94	-45.9	-57.4		1946.7		+358	-552	1,440,378	578,738	
255	440	987'	"	"	5.6	94	-77.4	-83.0		1921.1		+537	-828	1,440,557	578,462	
256	1220	1316'	"	"	5.5	1320	-103.3	-109.8		1894.3	TP	+716+2	-1104+2	1,440,788	578,188	
256	820				2.7	1440	-107.0	-109.7			TP					
257	1220		138°23.5'+180	-14.8	5.0	88.24	-20.2	-14.6	1879.7		BS	+550+2	-828+2			
257	1220				7.7	89	-17.3	-14.6			BS					
257	1220		"	"	5.6	1		-5.6		1874.1		-367	+552	1,440,923	577,914	
258	320		"	"	9.3	1		-9.3		1870.4		-184	+277	1,441,106	577,634	
259	0				5.4			-5.4		1874.3	T	0	0	1,441,290	577,362	
260	320		334°30'	-14.8	1.8	1		-2.8		1876.9		+254	-215	1,441,544	577,147	
	320		334°30'	"	6.8	2		-6.8		1872.9	TP	+503+2	-427+2	1,441,795	576,937	
	320				10.7	7	+3.3	-6.8			TP					
	1220		137°36.7'+180	-14.8	12.8	8840	-30.7	-17.9			BS	+1052+2	-798+2			
	1220				18.9	8850	-26.9	-18.0	1854.9		BS					
262	440		"	"	4.7	89	+17.3	+13.1		1868.0		-789	+598	1,442,060	576,739	
263	660		"	"	3.4	89	+11.5	+8.1		1863.0		-526	+399	1,442,323	576,540	
264	330		"	"	3.0	89	+5.8	+2.8		1857.7		-263	+199	1,442,586	576,340	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8.13.80	INSTRUMENT MAN	DM	ROD MAN	GC	PARTY NUMBER	6834	NOTES CHECKED BY	GWC. rld	LINE NO.	7	PAGE	24	
AREA	NEW YORK	TOPO MAP	NEWCOMB (15')	STATE	NY	COUNTY	ESSEX	TWP		RANGE		PPM	PARTY MANAGER	LD

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	
									1854.9							
260	0				-5.4	—		-5.4		1849.5	T	0	0	1442849	576,141	
263	320		210°20'	-148°	-8'	90	-14.5	-19.6		1835.3		+153	-292	1443002	575,849	
267	351	653	216°17'	-148°	-5.5	41.5	-31.5	-37.0		1817.9	TD	+238	-608+2	1443087	575,535	
267	354				-3.5	41.5	-33.4	-37.0			TD					
	1310	1319'	51712°180	-148°	+2.4	37.1	-52.2	-37.8	1780.1		BS	-310	-1282			
	1320		"	"	+0.5	37.1	-48.3	-37.8			BS					
26	270		"	"	-7.8	8830	+25.9	+18.1		1798.2		+233	+962	1443010	575,215	
69	620		"	"	-7.1	8830	+17.3	+10.2		1790.3		+155	+641	1442932	574,899	
70	330		"	"	-2.9	8830	+8.6	+5.7		1785.8		+78	+321	1442855	574,574	
271	0				-5.4			-5.4		1779.7	T	0	0	1442777	574,253	
272	380		208°2'	-148°	-4.4		-17.2	-23.6		1756.5		-112	-311	1442665	573,942	
273	620	655'	208°10.5'	-148°	-1.3	9220	-26.7	-38.0		1742.1		-294	-586	1442883	573,667	
273	656				-4.4	9220	-28.6	-38.0								
	655		220°25.9°180	-148°	+3.5	80	-11.5	-8.0	1734.1		BS	-515	-411			
	659				+1.3	80	-9.6	-8.0			BS					
274	110		220°00'	-148°	-2.7	80	+9.7	+6.1		1740.2		+419	+365	1442387	573,621	Y-intersect.
274	257		"	"	-0.5	80		-0.5		1733.6		+249	+217	1442217	573,473	
275	56		160°13'		-2.2			-5.2		1728.9		+27	+49	1441995	573,305	1441995+573,305 Railroad (OTH)
275	0				-5.4			-5.4		1728.7	T	0	0	1441968	573,256	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8-3-80	INSTRUMENT MAN LW		ROD MAN GRC	PARTY NUMBER 6531	NOTES CHECKED BY Gwc. rdw	LINE NO. 7	PAGE 25 25
AREA New York	TOPO MAP Newcomb 15'	STATE New York	COUNTY Essex	TWP	RANGE	PPM	PARTY MANAGER LD

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 A TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									1734.1							
216	329		257°50.8'	-15.1°	-5.1	87°50'	+12.4	+7.3		1791.4	TP	-151-2	-292-1	1441815	572,963	
216	329				-4.1	88	+11.5	+7.4			TP					
	660	659	87°56.3'+180°	-15.1°	+14.5	87°38'	-27.2	-12.7	1728.7		BS	-194-2	-630-1			
	660				+13.0	87°46'	-25.7	-12.7			BS					
277	320		81°56.3'	-15.1°	1.3	88°-	+11.5	+10.2		1738.9		+97	+315	1441816	572,647	
278	0				5.4	-	-	-5.4		1723.3	A	0	0	1441819	572,322	
279	326		253°53.4'	-15.1°	9.7	92°-	-11.4	-21.1		1707.6	TP	-169-2	-279-1	1441448	572,052	
279	326				14.5	91°10'	-6.6	-21.1			TP					
	332		51°54'+180°	-15.1°	+2.2	89°-	-5.8	-3.6	1709.0		BS	-266-2	-199-1			
	332				+0.3	89°20'	-3.9	-3.6			BS					
280	0				5.4	-	-	-5.4		1698.6	A	0	0	1441180	571852	set-up opposite sta.
281	337		255°13'	-15.1°	12.3	-	-	-12.3		1691.7	TP	-168-2	-292-1	1441010	571,559	
281	337				14.0	TH	+1.7	-12.3			TP					
	660		89°29.8'+180°	-15.1°	+3.9	88°30'	-13.4	-9.5			BS	-178-2	-635-1			
	660				+5.0	88°49'	-14.6	-9.6	1682.1		BS					
282	330		47°45'	-15.1°	0.8	TH	+1.7	+0.9		1683.0		+98	+315	1440928	571,238	
283	0				5.4	-	-	-5.4		1676.7	A	0	0	1440880	570,923	
284	330		253°1.1'	-15.1°	11.9	84	-1.7	-13.6		1668.5		-175	-280	1440555	570,643	
285	660		252°1.1'	-15.1°	5.3	91°10'	-13.4	-18.7		1663.4	TP	-351-2	-559-1	1440977	570,363	T.R. opposite sta.
285	660				3.3	91°20'	-15.4	-18.7			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8/15/80		G. Cutcamp		D. Shabeldean		6834		GWC xlw		7	26					
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER						
New York		Newcomb 15'	New York	Essex						L. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
285	660		85°39.3' +180°	-15.1°	+10.0	-		+10.0	16734	1663.4	BS	-220-1	-622-1			
	660				+13.3	TH	-3.3	+10.0			BS					
286	330		77°42'	-15.1°	7.6	-		-7.6		1665.8		+152	+293	1440,408	570,033	
287	0				5.4	-		-5.4		1668.0	TP	0	0	1440,256	569,740	
288	333		235°39'	-15.1°	4.4	-		-4.4		1669.0		-61	-52	1440,195	569,688	Y-intersect.
288	333		247°42'	-15.1°	4.7	-		-4.7		1668.7	TP	-202-1	-265-1	1440,053	569,474	T.P. opposite sta.
	658		81°43.5' +180°	-15.1°	+2.9	90°4'	+0.8	+3.7	1672.4		BS	-261-1	-607-1			
	658				+2.2	90°8'	+1.5	+3.7			BS					
TP	398		81°9'	-15.1°	5.8	-		-5.8		1666.6		+162	+364	1439,953	569,233	(old south)
289	330		78°22'	-15.1°	6.8	-		-6.8		1665.6		+148	+295	1439,939	569,164	
290	0				5.4	-		-5.4		1667.0	TP	0	0	1439,791	568,869	
291	330		238°32'	-15.1°	5.5	-		-5.5		1666.9	TP	-240-1	-227-1	1439,507	568,691	
	330		77°40' +180°	-15.1°	+4.4	-		+4.4	1671.3		BS	-152-1	-293			
	330				+6.1	TH	-1.7	+4.4			BS					
292	0				5.4	-		-5.4		1665.9	TP	0	0	1439,317	568,348	
293	330		267°48.7'	-15.1°	0.9	-		-0.9		1670.4		-98	-315	1439,277	568,033	
294	660		267°48.7'	-15.1°	13.3	TH	+3.3	-10.0		1661.3	TP	-196-1	-630	1439,200	567,718	State Pt # 28 N
294	660				-13.8	89°40'	+3.8	-10.0			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
8/15/00		G. Cotcamp		P. Shabeldeen		6834		G.W.C. rldw		7	227			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM	PARTY MANAGER			
New York		Newcomb 15'		New York		Essex					L. Davis			
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
294										1661.3				
	990		95° 56.7' +180°	-15.1°	+90	89°-	+17.3	-8.3	1653.0		BS	-158-1	-977	
	990				+0.4	89°30'	-8.6	-8.2			BS			
295	660		95° 56.7'	-15.1°	70	89°-	+11.5	+4.5		1657.5		+105	+652	1439,146 567,393
296	330		"	"	3.6	89°-	+5.8	+2.2		1655.2		+53	+326	1439,094 567,067
297	0				5.4	-		-5.4		1647.6	TP	0	0	1439,041 566,741 set-up opposite sta.
298	330		292° 9.9'	-15.1°	10.3	-		-10.3		1642.7		+41	-327	1439,082 566,414
299	660		"	"	11.8	-		-11.8		1641.2		+81	-655	1439,122 566,086
300	992		292° 4.9'	-15.1°	10.3	-		-10.3		1642.7	TP	+122-1	-984	1439,162 565,757
300	992				5.3	BH	-5.0	-10.3			TP			
	664		119° 10.7' +180°	-15.1°	+0.8	90°46'	+8.9	+9.7	1652.4		BS	+162-1	-644	
	664				+24	90°38'	+7.3	+9.7			BS			
301	332		119° 10.7'	-15.1°	7.9	-		-7.9		1644.5		-81	+322	1439,242 565,435
302	0				5.4	-		-5.4		1647.0	TP	0	0	1439,323 565,113 TP opposite station
303	330		325° 25'	-15.3°	0.5	-		-0.5		1651.9		+213	-252	1439,536 564,861
304	660		317° 47.3'	-15.3°	1.9	88°50'	+13.4	+11.5		1663.9	TP	+355-1	-557	1439,677 564,556
304	660				3.8	88°40'	+15.4	+11.6			TP			
	662		126° 18.5' +180°	-15.3°	+11.6	-		+11.6	1675.5		BS	+237-1	-618	
	662				+8.3	BH	+3.3	+11.6			BS			
305	330		126° 18.5'	-15.3°	4.4	-		-4.4		1671.1		-118	+308	1439,795 564,246
306	0				5.4	-		-5.4		1670.1	TP	0	0	1439,913 563,908 TP opposite sta.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8/15/20		C. O'Connell		D. Shabeldeen		1534		GWC rlv		7	28					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Haworth		Haworth 15'		New York	Essex					L. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									1675.5							
307	330		315°38.3'	-15.3°	11.5	-		-11.5		1664.0		+167	-285	1440,080	563,653	
308	660		"	"	7.2	91°-	-11.5	-12.7		1656.8		+333	-570	1440,246	563,368	
309	990		315°38.3'	-15.3°	7.0	91°	-17.3	-26.3		1649.2	TP	+500-1	-854	1440,412	562,104	
309	990				4.3	91°16'	-21.9	-26.2			TP					
	990		135°6.2' +180°	-15.3°	+14.3	-		+14.3	1663.5		BS	+492-1	-859			
	990				+9.3	BH	+5.0	+14.3			BS					
310	660		135°6.2'	-15.3°	6.7	91°-	-11.5	-18.2		1645.3		-328	+573	1440,575	562,738	
311	330		"	"	8.3	91°-	-5.8	-14.1		1649.4		-164	+286	1440,739	562,511	
312	0				5.4	-		-5.4		1658.1	TP	0	0	1440,903	562,225	
313	330		326°33'	-15.3°	1.8	-		-1.8		1661.7		+218	-248	1441,121	561,977	
314	660		"	"	2.0	TH	+3.3	+1.3		1664.8		+435	-496	1441,338	561,729	
315	987		322°57.3'	-15.3°	6.1	89°20'	+11.5	+5.4		1668.9	TP	+603-1	-781	1441,505	561,444	
315	987				3.2	89°30'	+8.6	+5.4			TP					
	990		132°45.8' +180°	-15.3°	+8.7	91°-	+17.3	+26.0	1694.9		BS	+457-1	-878			
	990				+14.5	90°40'	+11.5	+26.0			BS					
316	660		132°45.8'	-15.3°	6.3	91°-	-11.5	-17.8		1677.1		-304	+586	1441,657	561,152	
317	330		"	"	9.8	-		-9.8		1685.1		-152	+293	1441,809	560,859	
318	0				5.4	-		-5.4		1689.5	TP	0	0	1441,961	560,566	Turn of New York
318	258		313°40'	-15.3°	4.4	-		-4.4		1690.5		+123	-227	1442,087	560,337	Av. by Intersect
319	330		318°25'	-15.3°	5.7	-		-5.7		1689.2		+180	-276	1442,141	560,190	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
8/15/80		G. Cotcomp		D. Shabeldeen		6827		Gwc. rlu		7	2209						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New York		Newcomb 15'		New York	Essex					L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS I TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									1694.9								
320	660		318°25'	-15.3°	11.3	-		-11.3		1683.6		+361	-553	1442,322	560,013		
321	990		319°55.6'	-15.3°	15.1	84	-5.0	-20.1		1674.8	TP	+563-1	-815	1442,523	559,751		
321	990				14.3	90°20'	-5.8	-20.1			TP						
	1320		140°34.3'+180°	-15.3°	+7.7	89°-	-23.0	-15.3	1659.5		BS	+762-1	-1078				
	1320				+3.9	89°10'	-19.2	-15.3			BS						
322	990		140°34.3'	-15.3°	10.0	89°-	+17.3	+7.3		1666.8		-572	+808	1442,712	559,481		
323	660		" "	"	1.6	-		-1.6		1657.9		-381	+539	1442,902	559,212		
324	330		135°17'	-15.3°	5.8	-		-5.8		1653.7		-165	+286	1443,114	558,959		
325	0				5.4	-		-5.4		1654.1	TP	0	0	1443,284	558,673		
326	330		301°27'	-15.3°	1.4	-		-1.4		1658.1		+92	-317	1443,376	558,356		
327	661		296°2'	-15.3°	4.3	74	+3.3	-1.0		1658.5	TP	+123-1	-649	1443,406	558,024	I.P. opposite sta.	
327	661				4.8	89°40'	+3.8	-1.0			TP						
	1330	1328	133°52.2'+180°		+5.0	87°-	-69.5	-4.5			BS	+635-1	-1166				
	1330		133°52.2'+180°	-15.3°	+2.6	87°6'	-67.2	-64.6	1592.9		BS						
328	990	987	133°52.2'	-15.3°	4.5	87°-	151.7	+47.2		1641.1		-472	+867	1443,568	557,725		
329	660	659	"	"	5.7	87°-	+34.5	+28.8		1622.7		-315	+579	1443,725	557,437		
330	330		"	"	1.9	88°-	+11.5	+9.6		1603.5		-158	+290	1443,882	557,198		
331	0				5.4	-		-5.4		1588.5	TP	0	0	1444,040	556,858		
332	330		321°0'	-15.3°	10.1	91°-	-5.8	-15.9		1578.0		+193	-268	1444,233	556,590		
333	660		"	"	8.3 14.9	91°- 84	-11.5	-19.8		1574.1		+385	-536	1444,425	556,322		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8/16/80	INSTRUMENT MAN	G. Cotcamp	ROD MAN	D. Shabeldeen	PARTY NUMBER	6834	NOTES CHECKED BY	GWC. <i>rlw</i>	LINE NO.	77	PAGE	3030
AREA	New York	TOPO MAP	Newcomb 15'	STATE	New York	COUNTY	Essex	RANGE		PPM		PARTY MANAGER	L. 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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									1593.9					
334	990		321° 0'	-15.3°	11.9	BH	-5.0	-16.9		15770		+578	-804	1444,618 556,054
335	1317		318° 50'	-15.3°	14.1	-		-14.1		15798	TP	+728-1	-1098	1444,737 555,760 curve
335	1317				7.5	BH	-6.6	-14.1			TP			
	1650		123° 41.2' +180°	-15.3°	+4.1	89° 40'	-9.6	-5.5	15743		BS	+520-1	-1566	
	1650				+8.9	89° 30'	-14.4	-5.5			BS			
336	1320		122° 41.2'	-15.3°	4.5	89° 30'	+11.5	+7.0		1581.3		-416	+1253	1444,870 555,447
337	990		" "	"	1.0	TH	+5.0	+4.0		1578.3		-312	+939	1444,874 555,133
338	660		" "	"	3.0	-		-3.0		1571.3		-208	+626	1445,078 554,820
TF	480		124° 47'	-15.3°	6.2	-		-6.2		1568.1		-160	+453	1445,126 554,697 T-rod (south)
339	330		123° 41.2'	-15.3°	7.1	-		-7.1		1567.2		-104	+313	1445,182 554,507
340	0				54	-		-54		1568.9	π	0	0	1445,286 554,194
341	330		294° 20'	-15.3°	4.1	-		-4.1		1570.2		-52	-326	1445,338 553,868
342	660		286° -	-15.3°	3.2	-		-3.2		1571.1		+8	-666	1445,294 553,528
343	982		287° 32'	-15.3°	2.0	-		-2.0		1572.3	TP	+38-1	-981	1445,323 553,213
343	982				6.9	TH	+4.9	-2.0			TP			
	662		119° 27.1' +180°	-15.3°	+10.0	-		+10.0	15823		BS	+162-1	-642	
	662				+13.3	TH	-3.3	+10.0			BS			
≡	502		121° 20'	-15.3°	9.2	-		-9.2		1573.1		-139	+482	1445,345 553,053 bridge (Hudson River)
344	331		121° 41'	-15.3°	8.3	-		-8.3		15740		-93	+318	1445,391 552,889
345	0				5.4	-		-5.4		1576.9	π	0	0	1445,484 552,571 π-opposite station

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8/16/80		G. Cotcamp		D. Shabeldeen		6834		GWC. JAW		77	331					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
New York		Newcomb 15'		New York	Essex					L. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
									1582.3							
346	330		324°37'	-15.3°	0.2	-		-0.2		1582.7		+209	-255	1,445,693	552,316	
347	660		" "	"	2.8	81°-	+11.5	+9.7		1592.0		+418	-511	1,445,922	552,060	
348	990		320°35.7'	-15.3°	2.5	88°50'	+20.2	+17.7			TP	+572-1	-808	1,446,055	551,763	
348	990				5.4	89°46'	+23.0	+17.6		1599.9	TP					
	660		122°5'+180°	-15.3°	+8.2	91°-	+11.5	+19.7	1619.6		BS	+191-1	-632			
	660				+14.0	90°30'	+5.8	+19.8			BS					
349	330		122°5'	-15.3°	5.1	91°-	-5.8	-10.9		1608.7		-95	+316	1,446,150	551,447	
350	0				5.4	-		-5.4		1614.2	π	0	0	1,446,245	551,131	
351	330		291°-	-15.3°	11.7	91°-	-5.8	-17.5		1602.1		+33	-328	1,446,278	550,803	
352	660		287°46'	-15.3°	10.0	92°-	-23.0	-33.0		1586.6		+28	-659	1,446,273	550,472	
353	788		289°51.7'	-15.3°	4.8	92°-	-34.5	-39.3		1580.3	TP	-8-1	-988	1,446,236	550,143	
353	988				13.4	91°30'	-25.9	-39.3			TP					
	330		112°25.5'+180°	-15.3°	2.3	-	-1.7	+1.6	1581.9		BS	+41-1	-327			
	330				+4.6	89°30'	-2.9	+1.7			BS					
354	0				5.4	-		-5.4		1576.5	π	0	0	1,446,276	549,816	
355	330		305°41'	-15.3°	9.9	91°-	-5.8	-15.7		1566.2		+115	-309	1,446,391	549,507	
356	660		307°21.8'	-15.3°	1.1	91°14'	-14.2	-15.3		1566.6	TP	+298-1	-612	1,446,523	549,207	
356	660				0.3	91°18'	-15.0	-15.3			TP					
	332		128°6'+180°	-15.3°	+11.5	-		+11.5	1578.1		BS	+129-1	-306			
	332				+9.8	84	+1.7	+11.5			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
8/16/80		G. Cotcamp		D. Shabeldeen		6834		Gwc. rldw		77	3232						
AREA		TOPO MAP		STATE		COUNTY		TWP.		RANGE	PPM	PARTY MANAGER					
New York		Newcomb 15'		New York		Essex						L. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									1578.1								
357	0				54	-		-5.4		1572.7	π	0	0	1446,651	545,878	π opposite sta.	
358	331		326°20'	-15.3°	5.1	87°-	+17.3	+12.2		1590.3		+217	-250	1446,868	548,648		
359	663	662	326°20'	-15.3°	1.9	86°40'	+36.6	+34.2			TP	+935-1	-499	1447,085	548,399		
359	663				38	86°40'	+38.5	+34.7		1612.8	TP						
	655		133°47.7+180°	-15.3°	+5.4	92°-	+22.8	+26.2	1691.0		BS	-712-1	-576				
	655				+14.9	91°10'	+15.3	+77.2			BS						
360	330		127°47'	-15.3°	12.4	-		-12.1		1628.6		-126	+305	1447,270	548,128		
361	0				54	-		-5.4		1635.6	π	0	0	1447,396	547,823		
362	330		292°41'	-15.3°	4.6	-		-4.6		1636.4		+42	-327	1447,438	547,996		
363	650		284°11.3'	-15.3°	12.7	-		-12.7		1628.3	TP	-13-1	-650	1447,382	547,173	curve	
363	650				9.4	84	-3.3	-12.7			TP						
	1318		71°26.7+180°	-15.3°	+2.2	88°30'	-26.8	-24.6			BS	-774-1	-1095				
	1318				+6.0	88°40'	-30.7	-24.7	1603.6		BS						
364	997		69°5'	-15.3°	5.2	89°26'	+9.8	+4.6		1608.2		+585	+797	1447,232	546,877		
365	660				10.0	-		-12.0		1593.6		+390	+532	1447,037	546,610		
366	330				6.0	-		-6.0		1597.6		+195	+266	1446,842	546,344		
367	0				54	-		-5.4		1598.2	π	0	0	1446,647	546,078		
368	330		262°33'	-15.3°	11.1	91°-	-5.8	-16.9		1586.7		-128	-304	1446,519	545,774		
369	668		264°9.2'	-15.3°	8.7	91°-	-11.7	-20.4		1583.2	TP	-241-1	-623	1446,405	545,455	π opposite sta.	
369	668				14.5	90°30'	-5.8	-20.3			TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
8/16/80		G. Cotcamp		D. Shabeldeen		6834		Gul. <i>alw</i>			7		33		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
New York		Newcomb 15'		New York		Essex								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y
369										1593.2					
	990		101°29.3'+180°	-15.3°	+8.2	89°-	-17.3	-9.1	1574.1		BS	-67-1	-988		
	990				+5.3	90°10'	-14.4	-9.1			BS				
370	660		100°23'	-15.3°	4.7	89°-	+11.5	+6.8	1580.9			+57	+658	1446,394	545,125
371	330		95°12'	-15.3°	3.0	89°-	+5.8	+2.7	1576.9			+58	+325	1446,395	544,792
372	0				5.4	-		-5.4	1568.7		TP	0	0	1446,337	544,967
	$\frac{11}{8M}$ 51		343°7'	-15.3°	9.8	-		-9.8	1567.3			+43	-27	1446,380	544,440
	$\frac{181}{8M}$ 96		308°47'	-15.3°	$\frac{3.0}{11.4}$	-		$\frac{-3.0}{-11.4}$	1571.1		BM.	+38	-88	1446,325	544,379
									1562.7						1446,380 +599,490 T-rd(north)-old road bed usa-g.s M239 el. 1571.2 bridge (old)
373	330		267°12'	-15.3°	4.8	-		-4.7	1569.3			-103	-314	1446,234	544,153
374	660		267°12'	-15.3°	1.7	-		-1.7			TP	-205-1	-627-3	1446,131	543,837
374	660				5.1	TH	+3.3	-1.8	1572.3		TP				
	995		102°34.7'+180°	-15.3°	+12.3	90°30'	+2.7	+21.0	1593.3		BS	-47-1	-994-3		
	995				+6.5	90°50'	+14.5	+21.0			BS				
375	664		102°34.7'	-15.3°	5.3	91°-	-11.6	-16.9	1576.4			+32	+663	1446,115	543,503
376	333		"	"	10.7	-		-12.9	1582.6			+16	+333	1446,099	543,173
377	0				5.4	-		-5.4	1587.9		TP	0	0	1446,083	542,840
378	334		307°41'	-15.3°	12.5	-		-12.5	1580.8		TP	+127-1	-309-3	1446,209	542,528
378	334				14.2	TH	+1.7	-12.5			TP				
	990		139°42.2'+180°	-15.3°	+1.7	90°40'	+11.5	+13.2	1594.0		BS	+559-1	-817-3		
	990				+2.8	90°36'	+10.4	+13.2			BS				
379	660		139°42.2'	-15.3°	6.1	91°-	-11.5	-17.6	1576.4			-373	+545	1446,394	542,253

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8/25/80		G. Cotcamp		D. Shabeldeen		6834		G.v.l. rlu		7	34				
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM	PARTY MANAGER				
New York		Newscomb		New York		Essex					L. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1594.0						
380	330		136°29'	-15.3°	7.4	-		-7.4		1586.6		-171	+282	1,446,596	541,990
381	0				5.4	-		-5.4		1588.6	T	0	0	1,446,767	541,708
382	330		304°51'	-15.3°	0.1	TH	+1.7	+1.6		1595.6		+110	-311	1,446,817	541,397
383	660		"	"	7.1	88°-	+23.0	+15.9		1609.9		+221	-622	1,446,988	541,086
384	990		"	"	12.1	88°-	+34.5	+22.4		1616.4		+331	-933	1,447,098	540,775
385	1320		304°51'	-15.3°	8.2	88°30'	+34.5	+26.3		1620.3	TP	+442-1	-1244-2	1,447,208	540,462
385	1320				12.0	88°20'	+38.4	+26.4			TP				
	660		121°19.6'+180°	-15.3°	+9.1	89°-	-11.5	-2.4	1617.9		BS	+182	-634-3		
	660				+3.4	89°30'	-5.8	-2.4			BS				
386	330		121°19.6'	-15.3°	0.8	TH	+1.7	+0.9		1618.8		-91	+317	1,447,299	540,142
387	0				5.4	-		-5.4		1612.5	T	0	0	1,447,390	539,825
388	330		288°15'	-15.3°	12.3	-		-12.3		1605.6		+17	-330	1,447,407	539,495
389	652		282°11.2'	-15.3°	8.2	91°-	-11.4	-19.6		1598.2	TP	-35	-651-2	1,447,355	539,172
389	652				13.9	90°30'	-5.7	-19.6			TP				Curve
	993		90°7'+180°	-15.3°	+1.7	-		+1.7	1602.0		BS	-260	-958-3		
	993				+6.7	TH	-5.0	+1.7			BS				
390	660		90°7'	-15.3°	9.7	-		-9.7		1590.3		+173	+637	1,447,268	538,848
391	330		"	"	12.9	BT	-1.7	-14.6		1585.4		+86	+318	1,447,181	538,529
392	0				5.4	-		-5.4		1594.6	T	0	0	1,447,095	538,211
393	330		291°7'	-15.3°	1.1	87°-	+17.2	+16.1		1616.1		+68	-323	1,447,163	537,888

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SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8/25/80		G. Cotcamp		L. Shabaldern		224		GwC alw		7	35					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
New York		Newcom		New York	Essex					L. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
									1600.0							
394	660	659	297° 7'	-15.3°	2.5	86° 50'	+36.4	+33.9		1633.9		+135	-695	1,447,230	537,566	
395	990	989	295° 26.8'	-15.3°	14.6	86° 54'	+53.5	+38.9		1638.9	TP	+174	-974.2	1,447,269	537,235	
395	990				15.1	86° 52'	+54.0	+38.9			TP					
	660		102° 26.7' + 180°	-15.3°	+134	88° -	-23.0	-9.6	1629.3		BS	-33	-659.3			
	660				+1.9	89° -	-11.5	-9.6			BS					
396	330		98° 49'	-15.3°	2.0	89° -	+5.8	+3.8		1633.1		+37	+328	1,447,273	536,901	
397	0				5.4	-		-5.4		1623.9	T	0	0	1,447,236	536,573	
398	330		270° 19'	-15.3°	12.8	84	-1.7	-14.5		1614.8		-85	-319	1,447,151	536,254	
399	660		" "	"	124	91° -	-11.5	-23.9		1605.4		-171	-638	1,447,065	535,235	
400	990		" "	"	7.3	91° 20'	-23.0	-32.5		1597.0		-256	-956	1,446,980	535,617	
401	1323		269° 38'	-15.3°	1.8	91° 20'	-30.8	-32.6		1596.7	TP	-357	-1274.2	1,446,879	535,297	
401	1323				9.5	91° -	-23.1	-32.6			TP					
	992		115° 47.2' + 180°	-15.3°	+128	-		+12.8	1609.5		BS	+181	-975.3			
	992				+7.8	84	+5.0	+12.8			BS					
402	660		115° 47.2'	-15.3°	10.6	-		-16.6		1598.9		-120	+649	1,446,940	534,968	
403	330		" "	"	8.1	-		-2.1		1601.4		-60	+324	1,447,000	534,643	
404	0				54	-		-5.4		1604.1	T	0	0	1,447,060	534,319	
405	330		283° 18'	-15.3°	2.3	-		-2.3		1607.2		-12	-330	1,447,048	533,989	
406	660		277° 49'	-15.3°	1.3	-		-1.3		1608.2		-86	-654	1,446,974	533,665	

T.P. opposite sta.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8/25/80	INSTRUMENT MAN G. Cotcamp	ROD MAN D. Shabelden	PARTY NUMBER 6234	NOTES CHECKED BY G.W.C. <i>also</i>	LINE NO. 77	PAGE 36
AREA New York	TOPO MAP Newcomb	STATE New York	COUNTY Essex	TWP	RANGE	PPM
				PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									1609.5									
407	985		279°58'	-15.3°	14.2	89°24'	+10.3	-3.9		1605.6	TP	-177	-969.2	1,446,883	533,398		curve	
407	985				14.8	89°22'	+10.9	-3.9			TP							
	990		27°33.3' ± 120°	-15.3°	+4.6	TH	-5.0	-0.4	1605.2		BS	-302	-943.3					
	990				+5.9	89°40'	-5.8	-0.4			BS							
408	660		87°33.3'	-15.3°	2.2	-		-2.2		1603.0		+201	+629	1,446,782	533,031			
409	330		"	"	5.5	-		-5.5		1599.7		+101	+314	1,446,682	533,716			
410	0				5.4	-		-5.4		1599.8	TP	0	0	1,446,581	532,402		TP opposite sta	
411	330		282°38'	-15.3°	0.3	-		-0.2		1604.9		-15	-330	1,446,566	532,072			
412	660		"	"	4.6	89°-	+11.5	+6.9		1610.1		-31	-659	1,446,550	531,743			
413	990		284°25.4'	-15.3°	5.6	89°-	+17.3	+11.7			TP	-15	-990.2	1,446,566	531,910			
413	990				11.4	88°40'	+23.0	+11.6		1616.8	TP							
	1980		109°39.9' ± 120°	-15.5°	+8.9	BH	+9.9	+12.8	1135.6		BS	+144	-1975.3					
	1980				+13.1	90°10'	+5.8	+18.9			BS							
414	1650		109°39.9'	-15.5°	7.9	BH	-8.3	-16.2		1619.4		-120	+1696	1,446,590	531,078			
415	1320		"	"	7.3	BH	-6.6	-13.9		1621.7		-96	+1317	1,446,614	530,799			
416	990		"	"	11.8	-		-11.8		1623.8		-72	+987	1,446,638	530,499			
417	660		"	"	9.6	-		-9.6		1626.0		-48	+658	1,446,662	530,090			
418	330		"	"	7.2	-		-7.2		1628.4		-24	+329	1,446,686	529,761			
419	0				5.4	-		-5.4		1630.2	TP	0	0	1,446,710	529,432		TP (north)	
420	330		288°51.7'	-15.5°	2.3	-		-2.3		1633.3		+19	-329	1,446,729	529,103			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
8/25/80		G. Cottrill		C. Chappelton		10047		G.W.C. edw		77	37			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MGR			
New York		Newcomb		New York		Essex					L. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									1635.6					
421	660		282° 51.7'	-15.5°	2.9	TH	+3.3	+0.4		1636.0		+39	-659	1446799 528778
422	990		" "	"	2.3	TH	+5.0	+2.7		1638.2		+58	-988	1446768 528794
423	1320		" "	"	1.3	TH	+6.6	+5.3		1640.8		+77	-1318	1446787 528714
424	1650		" "	"	1.7	TH	+8.3	+6.6		1642.2		+97	-1647	1446807 527785
425	1980		288° 51.7'	-15.5°	8.1	TH	+9.9	+1.8		1637.4	TP	+116	-1977-2	1446826 527453
425	1980				13.2	87° 34'	+10.0	+1.8			TP			
	992	991	111° 15' +180°	-15.5°	4.4	87° 46'	-40.4	-36.0	1601.4		BS	+99	-986-3	
	992				+1.5	87° 50'	-37.5	-36.0			BS			
426	660		111° 15'	-15.5°	0.8	88° -	+23.0	+22.2		1623.6		-66	+657	1446859 527121
427	330		" "	"	2.8	88° -	+11.5	+8.7		1610.1		-33	+328	1446892 526792
428	0				5.4	-	-	-5.4		1590.0	TP	0	0	1446925 526464 TP-opposite sta.
429	330		297° 48'	-15.5°	11.2	91° -	-5.8	-17.0		1584.4		+70	-322	1446995 526142
±	650		300° 13'	-15.5°	12.7	BH	-3.3	-16.0		1585.4		+165	-629	1447090 525835 T-rod (north) old instrument
430	660		297° 48'	-14.5°	12.4	BH	-3.3	-15.7		1585.7		+152	-692	1447077 525822 horiz. correct. y = -5'
431	990		296° 13.3'	-14.5°	10.2	-	-	-10.2		1591.2	TP	+201+3	-969+3	1447129 525498 x = -97'
431	990				5.2	BH	-5.0	-10.2			TP			
	658		18° 26.7' +180°	-14.5°	+15.0	-	-	+15.0	1606.2		BS	-69+3	-654+3	
	658				+11.7	BH	+3.3	+15.0			BS			
432	330		94° -	-14.5°	9.8	-	-	-9.8		1596.4		+60	+324	1447123 525171
433	0				5.4	-	-	-5.4		1600.8	TP	0	0	1447069 524847

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
8/25/80		G. Cotcomp		D. Shabeldeen		6224		G.W.C. <i>rdw</i>		77	38						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New York		Newcomb/Blue Mountain		New York	Essex					L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									1606.2								
434	330		268° 58'	-14.5°	3.7	-		-3.7		1602.5		-93	-317	1446,970	529,536		
435	660		"	"	7.6	-		-7.6		1598.6		-186	-633	1446,977	529,814		
436	990		"	"	11.2	-		-11.2		1595.0		-280	-950	1446,783	523,877		
437	1220		268° 58'	-14.5°	5.2	-		-5.2		1601.0	TP	-373+3	-1266+3	1446,693	523,584		
437	1320				1.3	90° 10'	-3.8	-5.1			TP						
	990	989	100° 23' +180°	-14.5°	+3.0	93° -	+51.7	+54.7	1655.7		BS	-71+3	-986+3				
	990				+14.5	92° 20'	+42.3	+54.8			BS						
438	660		100° 23'	-14.5°	9.0	92° 30'	-28.8	-37.8		1617.9		+47	+658	1446,672	523,259		
439	330		"	"	10.0	92° -	-11.5	-21.5		1634.2		+24	+329	1446,649	522,930		
440	0				5.4	-	-	-5.4		1650.3	π	0	0	1446,625	522,601		
441	330		288° 38'	-14.5°	0.3	88° -	+11.5	+11.2		1666.9		+21	-329	1446,646	522,271	↑	
442	660		"	"	5.8	87° 40'	+26.8	+21.0		1676.7		+46	-659	1446,666	521,942	Newcomb Quad.	
443	990	989	288° 38'	-14.5°	14.6	87° 50'	+37.4	+22.8		1678.5	TP	+61+3	-987+3	1446,689	521,617	Blue Mountain Quad.	
443	990				13.5	87° 54'	+36.3	+22.8			TP					↓	
	982		102° 57' +180°	-14.1°	+10.3	88° 30'	-25.7	-15.4	1663.1		BS	-20+3	-982+3			curve	
	982				+13.2	88° 20'	-28.5	-15.3			BS						
444	660		101° 22'	-14.1°	5.5	88° 30'	+17.3	+11.8		1674.9		+31	+659	1446,703	521,277		
445	330		96° 41'	-14.1°	1.9	88° 30'	+8.6	+6.7		1669.8		+43	+327	1446,715	520,965		
446	0				5.4	-	-	-5.4		1657.7	π	0	0	1446,672	520,638		
447	330		279° 27'	-14.1°	9.9	91° -	-5.8	-15.7		1647.4		-27	-329	1446,645	520,309	↑ Essex Co	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
8/26/80		G. Cotcamp		D. Shabeldeen		6834		Guc. vluw		7	39						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
New York		Blue Mountain 15	New York	Hamilton					L. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									1663.1								
448	660		279° 27'	-14.1°	11.3	-		-11.3		1651.8		-54	-658	1446,618	519,980	Hamilton Co.	
449	990		" "	"	9.8	89° -	+17.3	+7.5		1670.6		-80	-957	1446,572	519,651	↓	
450	1324		279° 199'	-14.1°	6.0	88° 40'	+30.8	+24.8			TP	-110+3	-1319+2	1446,565	519,322		
450	1324				9.9	88° 30'	+34.6	+24.7		1687.8	TP					T.P. opposite sta.	
	666		131° 38.3' +180°	-13.6°	+14.9	BH	+3.3	+18.2	1706.0		BS	+313+2	-588+3				
	666				+12.5	90° 30'	+5.8	+18.3			BS						
451	330		133° 19'	-13.6°	12.0	-		-12.0		1694.0		-184	+227	1446,717	519,024		
452	0				5.4	-		-5.4		1700.6	π	0	0	1446,881	518,737		
453	330		320° 26'	-13.6°	0.1	-		-0.1		1705.9		+198	-257	1447,079	518,973		
454	660		322° 53'	-13.6°	5.8	89° -	+11.5	+5.7		1711.7		+418	-511	1447,299	518,824		
455	990		323° 59.3'	-13.6°	12.0	89° -	+17.3	+5.3		1711.3	TP	+641+2	-754+2	1447,525	517,986		
455	990				6.2	89° 20'	+11.5	+5.3			TP						
	985		141° 25.7' +180°	-13.6°	+14.7	81° -	-17.2	-2.5	1708.8		BS	+604+3	-778+3			curve	
	985				+6.2	89° 30'	-8.6	-2.4			BS						
456	660		139° 46'	-13.6°	0.7	-		-0.7		1708.1		-389	-533	1447,743	517,744		
457	330		135° 7'	-13.6°	3.0	-		-3.0		1705.8		-173	+281	1447,957	517,492		
458	0				5.4	-		-5.4		1703.4	π	0	0	1448,132	517,211		
459	330		309° 42'	-13.6°	8.4	-		-8.4		1700.4		+145	-296	1448,277	516,915		
460	660		" "	"	11.3	-		-11.3		1697.5		+290	-593	1448,422	516,618		
461	990		" "	"	9.0	BH	-5.0	-14.0		1694.8		+436	-889	1448,568	516,322		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8/25/80		G. Cotcamp		D. Shabeldeen		6834		GwC. ulw		7	40					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
New York		Blue Mountain 15		New York	Hamilton					L. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									1708.8							
462	1320		308°50.2'	-13.6°	10.9	-	-	-10.9		1697.9	TP	+563+3	-1194+3	1448.698	516.020	
462	1320				4.3	BH	-6.6	-10.9			TP					
	1970	1969	119°6.3'+180°	-13.6°	+14.9	91°22'	+47.0	+61.9			BS	+359+3	-1936+3			curve
	1970				+13.7	91°24'	+48.1	+61.8	1759.7		BS					
463	1645	1644	112°51'	-13.6°	9.7	91°30'	-43.0	-52.7		1707.0		-264	+1623	1448.796	515.710	
464	1320		111°55'	-13.6°	7.1	91°30'	-34.5	-41.6		1718.1		-191	+1306	1448.869	515.393	
465	990		"	"	13.8	91°-	-17.3	-31.1		1728.6		-143	+980	1448.917	515.067	
466	660		"	"	8.7	91°-	-11.5	-20.2		1739.5		-95	+653	1448.965	514.740	
467	330		"	"	9.8	-	-	-9.8		1749.9		-48	+757	1449.012	514.914	
468	0				5.9	-	-	-5.4		1754.3	X	0	0	1449.060	514.887	
469	330		298°48'	-13.6°	3.7	-	-	-3.7		1756.0		+87	-318	1449.147	513.769	
470	660		301°32.3'	-13.6°	2.4	-	-	-2.4		1757.3		+203	-628	1449.263	513.459	
471	990		"	"	2.8	-	-	-2.8		1756.9		+305	-942	1449.365	513.145	
472	1320		"	"	2.9	TH	+6.6	+3.7		1763.4		+407	-1256	1449.467	512.831	
473	1650		301°32.3'	-13.6°	7.0	89°20'	+19.2	+12.2		1771.9	TP	+508+3	-1570+3	1449.571	512.520	
473	1650				11.7	89°10'	+24.0	+12.3			TP					
	990		128°3.6'+180°	-13.6°	+14.9	BH	+5.0	+19.4	1791.3		BS	+410+3	-901+3			
	990				-13.6	90°20'	+5.8	+19.4			BS					
474	660		128°3.6'	-13.6°	12.8	-	-	-12.8		1778.5		-273	+601	1449.711	512.323	
475	330		"	"	7.9	-	-	-7.9		1783.4		-137	+300	1449.847	511.922	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	6/25/80	INSTRUMENT MAN	J. Cotcamp	ROD MAN	L. Chabellon	PARTY NUMBER	6534	NOTES CHECKED BY	Gwc. rldw	LINE NO.	7	PAGE	41
AREA	New York	TOPO MAP	Blue Mountain 15'	STATE	New York	COUNTY	Hamilton	TWP		RANGE		PPM	
PARTY MANAGER L. Davis													

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									1791.3					
476	0				5.4	-		-5.4		1785.9	T	0	0	1,449,989 511,622
477	330		319°23'	-13.6°	3.3	-		-3.3		1788.0		+193	-268	1,450,177 511,359
478	660		323° -	-13.6°	3.9	-		-3.9		1787.7		+419	-510	1,450,403 511,112
479	986		325° 1.2'	-13.6°	5.7	-		-5.7		1785.5	TP	+652.3	-739.3	1,450,639 510,886 curve
479	986				10.6	TH	+4.9	-5.7			TP			
	1980		148°33.3' + 120°	-13.6°	+13.9	90°30'	+17.3	+31.2	1816.8		BS	-1399.3	-1401.3	
	1980				+10.5	90°36'	+20.7	+31.2			BS			
480	1650		148°33.3'	-13.6°	3.0	91° -	-28.8	-31.8		1785.0		-1166	+1168	1,450,879 510,656
480	1370		148°18'	-13.9°	5.1	91° -	-23.9	-29.0		1787.8		-959	+979	1,451,082 510,967 Y-intersect
481	1320		148°33.3'	-13.9°	5.1	91° -	-23.0	-28.1		1788.7		-928	+939	1,451,113 510,923
482	990		" "	"	5.6	91° -	-17.3	-22.9		1793.7		-696	+704	1,451,345 510,192
483	660		" "	"	12.0	90°30'	-5.8	-17.8		1797.0		-464	+469	1,451,577 509,957
484	330		" "	"	12.2	-		-12.2		1804.6		-232	+235	1,451,809 509,723
485	0				5.4	-		-5.4		1811.4	T	0	0	1,452,041 509,488
486	330		306°8'	-13.9°	1.5	TH	+1.7	+0.2		1817.0		+125	-305	1,452,164 509,193
487	660		300°53'	-12.9°	5.0	89° -	+11.5	+6.5		1823.3		+193	-631	1,452,234 508,957
488	990		299°17'	-12.9°	4.7	89° -	+17.3	+12.6		1829.4		+263	-955	1,452,304 508,533
489	1312		298°23'	-12.9°	3.6	89° -	+22.9	+19.3			TP	+328.3	-1270.3	1,452,372 508,201 curve
489	1312				11.3	88°40'	+30.5	+19.2		1836.0	TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
8/26/80		G. Co. Camp		D. Shabeldeen		6834		Guc. <i>mlw</i>		7	42			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
New York		Blue Mountain 15		New York	Hamilton					L. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
489										1836.0				
	990		96° 17.8' +180°	-3.9°	+134	0H	+5.0	+18.4	1854.4		BS	-131.2	-981.3	
	990				+12.6	90° 20'	+5.8	+18.4		BS				
490	660		95° -	-3.9°	12.2	-		-12.2		1842.2		+102	+452	1,452,346 507,595
491	330		" "		6.8	-		-6.8		1847.6		+51	+326	1,452,275 507,569
492	0				5.4	-		-5.4		1849.0	T	0	0	1,452,244 507,243
493	330		274° 20'	-13.9°	7.2	-		-7.2		1847.2		-55	-325	1,452,189 506,918
494	658		268° 56'	-13.9°	10.5	-		-10.5		1843.9	TP	-70.2	-526.3	1,452,077 506,610 curve
494	658				7.2	0H	-3.3	-10.5			TP			
	654		64° 54' +180°	-13.9°	+0.7	-		+0.7			BS	+12.2	-508.2	curve
	654				+3.9	TH	-3.3	+0.6	1844.5		BS			
495	330		57° 43'	-13.9°	2.3	-		-2.3		1842.2		+238	+228	1,451,906 506,333
496	0				5.4	-		-5.4		1839.1	T	0	0	1,451,668 506,105
497	330		233° 40'	-13.9°	10.0	-		-10.0		1834.5		-254	-211	1,451,414 505,894
498	658		228° 50'	-13.9°	10.4	0H	-3.3	-13.7		1830.8		-539	-377	1,451,129 505,728 S-curve
499	990		229° 26.5'	-13.9°	7.9	-		-7.9		1836.6	TP	-806.2	-575.2	1,450,865 505,533
499	990				12.9	TH	+5.0	-7.9			TP			
	662		66° 25' +180°	-13.9°	+14.2	90° 30'	+5.8	+20.0	1856.6		BS	-403.2	-525.2	
	662				+12.3	90° 40'	+7.7	+20.0			BS			
500	331		68° 43'	-13.9°	12.6	-		-12.6		1844.0		+191	+271	1,450,656 505,382
501	0				5.4	-		-5.4		1851.2	T	0	0	1,450,468 505,611 T opposite sta.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	INSTRUMENT MAN	ROD MAN	PARTY NUMBER	NOTES CHECKED BY	LINE NO.	PAGE
8/26/80	G. Cotcamp	C. Shabeldean	6834	G.W.C. W.D.W.	77	43
AREA	TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM
New York	Blue Mountain 15'	New York	Hamilton			
					PARTY MANAGER	
					L. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH+	EAST+	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
									1856.6							
502	330		260°48'	-13.9°	3.0	-		-3.0		1853.6		-129	-304	1480,336	504,707	
503	660		"	"	1.7	-		-1.7		1854.9		-259	-607	1450,206	504,404	
504	990		252°39.5'	-13.9°	4.9	TH	+5.0	+0.1		1856.7	TP	-922+2	-895+2	1450,046	504,119	
504	990				5.7	89°40'	+5.8	+0.1			TP					
	664		68°19'+180°	-13.9°	+3.1	-		+3.1		1859.8	BS	-386+3	-540+2	1449,663		
	664				+6.4	TH	-3.3	+3.1			BS					
505	332		68°19'	-13.9°	1.3	-		-1.3		1858.5		+192	+270	1449,856	503,857	
506	0				5.4	-		-5.4		1854.9	X	0	0	1449,663	503,582	X opposite station
507	330		270°21'	-13.9°	11.0	91°-	-5.8	-16.8		1843.0		-77	-321	1449,584	503,261	
508	668		272°28.3'	-13.9°	10.6	91°30'	-17.5	-28.1		1831.7	TP	-132+3	-655+2	1449,534	502,930	T.P. opposite station
508	668				4.8	92°-	-23.3	-28.1			TP					
	990	987	104°34'+180°	-13.9°	+5.1	88°-	-34.5	-29.4			BS	+12+1	-987+2			
	990				+2.2	88°10'	-31.7	-29.5		1802.2	BS					
509	660		104°34'	-13.9°	5.2	88°-	+23.0	+17.8		1820.0		-8	+560	1449,541	502,604	
510	330		"	"	5.3	88°-	+11.5	+6.2		1808.4		-4	-130	1449,545	502,274	
511	0				5.4	-		-5.4		1796.8	X	0	0	1449,549	501,944	
BM	60		196°43'	-13.9°	5.8	-		-5.8		1796.4		-60	-3	1449,489	501,941	U.S.C.+6.5"E 239' 1960 Reset
512	330		282°56'	-13.9°	9.4	-		-9.4		1792.8		-6	-330	1449,549	501,614	
513	660		"	"	8.0	-		-8.0		1794.2		-11	-660	1449,538	501,284	
514	985		279°38'	-13.9°	6.9	-		-6.9		1795.5		-73	-782	1149,476	500,962	curve

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
2/26/80		G. Cutcamp		P. Shabeldeen		6834		GHL also		7	44					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER				
New York		Blue Mountain 15'		New York		Hamilton						L. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									1802.2							
515	1312		277° 51.6'	-139°	5.9	-		-5.9		1796.3	TP	-138+3	-1305+3	1449,414	500,642	curve
515	1312				12.5	74	+6.6	-5.9			TP					
	660		105° 37.8' -180°	-139°	+2.7	-		+9.7	1803.0		BS	+20+3	-660+3			
	660				+3.0	74	-3.3	+9.7			BS					
516	330		105° 37.5'	-139°	7.1	-		-7.1		1799.9		-10	+330	1449,427	500,315	
517	0				5.4	-		-5.4		800.6	T	0	0	1,449,937	499,985	
518	330		275° 12'	-139°	8.0	-		-8.0		1798.0		-50	-326	1,449,987	499,659	
519	66				6	-										
519	262		271° 32'	-139°	6.3	-		-6.3		1799.7		-56	-256	1,449,381	499,729	curve (north)
519	660		272° 15.6'	-139°	13.5	04	-3.3	-16.8			TP	-133+3	-646+3	1,449,307	499,342	
519	660				11.1	90° 30'	-5.8	-16.9		1789.1	TP					
	663		98° 33.3' -180°	-139°	+2.0	-		+3.0	1792.1		BS	-62+3	-660+3			
	663				+6.3	74	-3.3	+3.0			BS					
520	222		99° 56'	-139°	5.2	-		-5.2		1786.9		+23	+331	1,449,271	499,015	
520	295		102° 4'	-139°	5.4	-		-5.4		1786.7		+9	+295	1,449,257	498,980	bridge
521	0				5.4	-		-5.4		1786.7	T	0	0	1,449,249	498,685	X opposite Sta.
522	330		307° 10'	-139°	2.9	89° -	+5.8	+2.9		1795.0		+130	-303	1,449,379	498,382	
523	670		311° 1'	-139°	2.9	88° -	+23.4	+15.0		1807.1	TP	+305+3	-596+3	1,449,356	498,092	T.P. opposite Sta.
523	670				5.3	88° 10'	+20.3	+15.0			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8/27/80	INSTRUMENT MAN G. Cotcamp	ROD MAN D. Shabeldeen	PARTY NUMBER 6834	NOTES CHECKED BY -S.H. rlu	LINE NO. 77	PAGE 45
AREA New York	TOPO MAP Blue Mountain 15	STATE New York	COUNTY Hamilton	TWP	RANGE	PPM
				PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
523										1207.1				
	330		192°59'	-13.6°	+14	84	+1.7	+16.3	1207.1		BS	-209.3	-255.7	
	330				+15.1	7	+5.8	+16.3			BS			
524	0				54	-	-5.4		1218.0		T	0	0	1,449,768 497,770
525	328		202°21'	-13.6°	5.2	85	+5.7	+5.1	1228.5		T	+84	-317.3	1,449,852 497,526
525	328				5.5	85	+8.6	+5.1			T			
	1320	1213	96°34'+180°	-13.6°	+143	92°24'	+55.2	+69.5	1232.0		BS	-162	-120.9	
	1320				+7.8	92°36'	+57.8	+69.6			BS			
526	990	488	96°34'	-13.6°	10.1	92°40'	-46.0	-56.1	1241.7			-121	+93.2	1,449,811 497,202
527	660		" "	"	13.6	92°-	-23.0	-36.6	1251.7			+21	+655	1,449,771 496,875
528	330		" "	"	11.1	91°-	-5.8	-16.9	1281.1			+40	+328	1,449,730 495,598
529	0				54	-	-5.4		1292.5		T	0	0	1,449,690 496,220
530	330		276°-	-13.6°	3.2	89°-	+5.8	+2.6	1300.6			-44	-327	1,449,646 495,893
531	660		" "	"	0.9	89°-	+11.5	+10.6	1308.6			-27	-657	1,449,603 495,565
532	990		273°59.7'	-13.6°	3.4	88°50'	+20.2	+16.8			T	-165	-976.3	1,449,525 495,297
532	990				6.3	88°40'	+23.0	+16.7	1319.7		T			
	992		273°31.8'+12°	-13.6°	+7.3	TH	-4.9	+2.4	1327.1		BS	-550	-813.3	
	992		"		+7.2	89°40'	-5.7	+2.5			BS			
533	330		67°32'	-13.6°	4.0	TH	+3.3	-0.7	1316.4			+386	+530	1,449,361 494,967
534	328		63°47'	-13.6°	1.1	TH	+1.6	-0.5	1316.6			+210	+252	1,449,185 494,689
535	0				54	-	-5.4		1311.7		T	0	0	1,448,975 494,437 π opposite st.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8/27/60	INSTRUMENT MAN	S. Colson	ROD MAN	L. Chatfield	PARTY NUMBER	6834	NOTES CHECKED BY	SHL	LINE NO.	77	PAGE	447	
AREA	New York	TOPO MAP	Five Rivers	STATE	New York	COUNTY	Hamilton	TWP		RANGE		PPM		
													PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									744							
549	656		228°32.5'	-13.5°	12.5	-		-12.5		1851.1	TP	-57	-484.3	1449,195	489,966	
549	656				9.2	BH	-3.3	-12.5			TP					
	660		82°55'+180°	-13.5°	7.2	-	-11.5	-4.7	1857.2		BS	-222	-574.3			
	660				+1.1	89°30'	-5.8	-4.7			BS					
550	330		80°39'	-13.5°	3.9	89°-	+5.8	+1.9		1859.1		+2.0	+297	1449,041	489,656	
551	0				5.4	-		-5.4		1851.8	TP	0	0	1448,912	489,352	
552	330		275°18'	-13.5°	12.1	-		-12.1		1845.1		-1.1	+297	1448,864	489,025	
553	668		280°24'	-13.5°	3.1	-		-3.1			TP	+37	-674.3	1448,875	488,688	T.P. opposite Sta.
553	668				6.5	TH	+3.3	-3.2		854.0	TP					
	660		131°51.4'+180°	-13.5°	+14.3	90°30'	+5.8	+20.1			BS	+312	+124.3			
	660				+12.3	90°40'	+7.7	+20.0	1874.0		BS					
554	330		131°51.4'	-13.5°	5.3	-		-5.3		1868.7		-155	+297	1449,031	488,901	
555	0				5.4	-		-5.4		1868.6	TP	0	0	1449,187	488,410	
556	330		311°44'	-13.5°	7.0	-		-7.0		1857.0		+155	-297	1449,343	487,819	
557	651		305°20'	-13.5°	9.2	-		-9.2		1851.8	TP	+571	-674.3	1449,408	487,508	curve
557	651				12.5	TH	+3.3	-9.2			TP					
	655		29°36.3'+180°	-13.5°	+5.8	89°-	-11.4	-5.6	1859.2		BS	+47	-674.3			curve
	655				+3.9	89°10'	-9.5	-5.6			BS					
558	330		23°37'	-13.5°	3.2	89°-	+5.8	+2.6		1871.8		+3	+1.1	1449,223	487,885	
559	0				5.4	-		-5.4		1853.2	TP	0	0	1449,270	487,755	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
11/2/80		J.C. Kemp		D. Chingolom		5037		E.H. vlew		7	48						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
New York		6011470-5	Illinois	Madison					L. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									1859.2								
560	330		264°23.5'	-3.5'	12.8	91°-	-5.8	-18.6		1840.6				1448,951	486,563		
561	660	381	" "	"	11.7	92°20'	-26.8	-38.5		1820.7				1448,953	486,253		
562	990	247	264°23.5'	-12.6'	4.2	92°20'	-40.3	-44.5		1814.7	TP			1448,995	485,717		
562	990				10.0	92°-	-34.5	-44.5			TP					Scurve	
	1645		98°23.2'+180°	-13.6°	+4.3	88°30'	-32.5	-29.2			BS						
	1645				+9.0	88°40'	-38.3	-29.3	1785.4		BS						
563	1318		98°4'	-13.6°	3.9	89°-	+23.0	+19.1		1809.5				1448,923	485,321		
564	990		95°14'	-13.6°	8.1	89°-	+17.3	+9.2		1794.6				1448,940	485,208		
565	660		" "	"	2.1	TH	+3.3	+1.2		1786.6				1448,872	484,762		
566	330		" "	"	2.8	-	-	-2.8		1782.6				1448,844	484,635		
567	0				5.4	-	-	-5.4		1780.0	X			1448,793	484,309		
<u>IL</u>	30		331°18'	-13.6°	5.2	-	-	-5.2		1780.2				1448,818	484,289	el. 1780. -12 (months) old instrument	
568	330		285°45'	-13.6°	12.0	-	-	-12.0		1773.4				1448,808	483,979		
569	660		" "	"	9.0	91°30'	-17.3	-26.3		1759.1				1448,821	483,679		
570	985		223°32.3'	-7.5°	9.0	91°30'	-25.8	-34.8		1750.6	TP			1448,796	483,327	Scurve	
570	985				14.7	91°10'	-20.1	-34.8			TP						
	763		63°16.3'+180°	-3.0°	+7.2	-	-	+7.2	1757.8		BS	-494	-582+3				
	763				+3.4	OH	+3.8	+7.2			BS						
571	433		58°17'	-3.6°	6.3	-	-	-6.3		1751.5		+308	+304	1448,610	483,052		
572	103		63°16.3'	-3.6°	4.7	-	-	-4.7		1753.1		+67	+79	1448,369	482,827		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
8/27/80		G. Cotcamp		D. Shabeldeen		6839		BHI		77	49						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
New York		Blue Mountain 15	New York	Hamilton					L. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									1757.8								
π	0				5.4	-		-5.4		1752.4	π	0	0	1448.302	482.748	split sta. -curve	
573	225		257°55'	-13.9°	3.0	-		-3.0		1754.8		-99	-20.2	1448.203	482.546		
574	545		260°39'	-13.9°	0.5	-		-0.5		1757.3		-215	-501	1448.087	482.247		
575	875		258°48.7'	-13.9°	2.9	TH	+4.4	+1.5			TP	-371	-792+3	1447.931	481.959	curve	
575	875				3.7	89°40'	+5.1	+1.4		1759.2	TP					down of Long Lake	
	980		48°51.5' + 180°	-13.9°	+7.2	-		+7.2	1766.4		BS	-803	-562+2			↓	
	980				+12.1	TH	-4.9	+7.2			BS					curve	
576	655		45° -	-13.9°	6.5	-		-6.5		1759.9		+561	+338	1447.659	481.738		
577	330		49° 6'	-13.9°	4.5	-		-4.5		1761.9		+270	+190	1447.398	481.590		
578	0				5.4	-		-5.4		1761.0	π	0	0	1447.128	481.900		
579	330		53°28'	-13.9°	8.5	-		-8.5		1757.9		-177	-285	1446.961	481.115		
580	340		257°54'	-13.9°	12.7	89°40'	+2.0	-11.7		1754.7		-143	-308	1446.985	481.092	U.S.C.G.S. 1982 el. 1752.1	
580	330		253°28'	-13.9°	11.4	-		-11.4		1755.0		-334	-569	1446.794	480.831		
581	985		250°37.4'	-13.9°	10.5	BH	-4.9	-15.4			TP	-540	-823+3	1446.588	480.580		
581	985				12.6	89°40'	-2.9	-15.5		1750.9	TP						
	330		71°25' + 180°	-13.9°	+1.3	TH	-1.7	-0.4	1750.5		BS	-177	-278+3				
	330				+1.6	89°40'	-1.9	-0.3			BS						
582	0				5.4	-		-5.4		1745.1	π	0	0	1446.911	480.305		
583	330		269° -	-13.9°	12.3	BH	-1.7	-14.0		1736.5		-85	-319	1446.326	479.986		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 2/27/80	INSTRUMENT MAN S. Camp	ROD MAN D. Shickadee	PARTY NUMBER 6834	NOTES CHECKED BY JEF	LINE NO. 7	PAGE 50
AREA New York	TOPO MAP Blue Mountain 15'	STATE New York	COUNTY Hamilton	TWP	RANGE	PPM
				PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1750.5						
584	657		272°12.6'	-13.9°	113	91°	-11.5	-22.8	1727.7	TP	-133	-643.43	1446,278	479,665	curve
584	657				7.4	91°20'	-15.3	-22.7		TP					
	668		75°47.6'-180°	-13.9°	+7.6	89°	-11.7	-4.1	1723.6	BS	-315	-589.23			
	668				+3.7	89°20'	-7.8	-4.1		BS					
585	333		75°48'	-13.9°	4.7	-	-	-4.7	1718.9		+157	+294	1,446,120	479,373	
586	0				5.9	-	-	-5.4	1718.2	TP	0	0	1,445,963	479,079	TP opposite station
587	336		291°33'	-13.9°	1.9	-	-	-1.9	1721.7		+45	-333	1,446,078	478,746	E.O.L. #7
TP	518		293°9'	-13.9°	2.7	-	-	-2.7	1720.9	TP	+83	-514.3	1,446,078	478,571	T-id
TP	518				5.3	TH	+2.6	-2.7		TP					South Hill road.
	550	549	119°43.2'+180°	-13.9°	+3.8	86°40'	-31.9	-28.1	1692.7	BS	+150	-528.23			
	550				+6.9	86°20'	-35.1	-28.2		BS					
TP	0				5.4	-	-	-5.4	1687.3	TP	0	0	1,446,196	478,096	
TP	670	669	278°12.4'	-13.9°	71	93°	-35.0	-42.1	1650.6	TP	-66	-166	1,446,130	477,380	477,380 - 477,380 RT 28.11 + RT 30
TP	670				12.9	92°30'	-29.2	-42.1		TP					Long Lake
	340				+51	89°	-5.9	-0.8	1649.8	BS					
	340				+71	88°40'	-7.9	-0.8		BS					
BM	47				4.9	90°40'	-0.8	-5.7	1644.1						21,1642. U.S.G.S. TT 526 1972