

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc. Client - COCORP

1 of 80




DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE			
7-8-81		G. Cotcamp			T. Grady		6834		TG vdw			6	1			
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New Hampshire		Claremont	15'	New Hampshire					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
1/2										507.0	R			306,900	306,720	→ scaled
	973	972	231° 15' - 180°	-13.1°	+6.0	87° 20'	-45.2	-39.2	467.8		BS	+764	+600.2			T-intersect. el. 507.
	973				+3.2	87° 30'	-42.4	-39.2			BS					
π	0				5.4	-		-5.4		462.4	π	0	0	307,664	307,318	
1	203		127° 02'	-13.1°	4.3	-		-4.3		463.5		-82	+186	307,582	302,509	paved road
2	530		117° 0'	-13.1°	7.0	-		-7.0		460.8		-127	+514	307,537	307,832	↓
3	858		114° 31'	-13.1°	11.2	-		-11.2		456.6	TP	-170	+841.2	307,494	308,157	
3	858				6.9	BH	-4.3	-11.2			TP					
	1980		289° 57' - 180°	-13.1°	+14.6	-		+14.6	471.2		BS	-236	+1966.2			
	1980				+4.7 ^{180°}	BH	+9.9	+14.6			BS					
4	1650		289° 25'	-13.1°	5.0	BH	-8.3	-13.3		457.9		+182	-1640	307,440	308,481	
5	1320		" "	"	11.3	-		-11.3		459.9		+145	-1312	307,403	308,809	
6	990		" "	"	8.5	-		-8.5		462.7		+109	-984	307,367	309,137	
7	660		287° 51'	-13.1°	7.8	-		-7.8		463.4		+55	-658	307,313	309,463	
#	610		288° 50'	-13.1°	7.5	-		-7.5		463.7		+61	-607	307,319	309,519	railroad
8	330		284° 26'	-13.1°	6.3	-		-6.3		464.9		+8	-330	307,266	309,791	
9	0				5.4	-		-5.4		465.8	π	0	0	307,258	310,121	
10	330		96° 36'	-13.1°	6.8	88° -	+11.5	+4.7		475.9		+37	+328	307,295	310,449	
11	660		" "	"	9.8	87° -	+34.5	+24.7		495.9		+75	+656	307,333	310,777	
12	990		" "	"	6.7	87° -	+51.7	+45.0		516.2		+112	+984	307,370	311,105	

instrument - Wild T1A
chain - 330' steel
cable + pins.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-8-81		G. Cotcamp		T. Grady		6834		TG rdw		76	2					
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
New Hampshire		Claremont		New Hampshire	Sullivan				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 - LAT.	EAST + WEST - DEP.	COORDINATES Y X		REMARKS
									471.2							
13	1320	1318.2	96°35'30"	-13.1°	11.7	87°	+69.0	+57.3		528.5	TP	+149	+1310.2	307,407	311,429	
13	1320				5.5	87°16'	+62.9	+57.4			TP					
	1980	1978.7	275°39'-180°	-13.1°	+14.4	92°04'	+71.4	+85.8	614.3		BS	+257.1	+196.2			
	1980				+11.0	92°10'	+74.8	+85.8			BS					
14	1650		275°39'	-13.1°	8.9	92°30'	-71.9	-80.8		533.5		-214	-1636	307,451	311,753	
15	1320		" "	"	12.6	92°40'	-61.3	-73.9		540.4		-171	-1309	307,494	312,080	
16	990		" "	"	12.3	92°30'	-43.1	-55.4		558.9		-128	-982	307,537	312,407	
17	660		" "	"	11.2	92°	-23.0	-34.2		580.1		-86	-654	307,579	312,735	
18	330		" "	"	9.6	91°	-5.8	-15.4		598.9		-43	-327	307,622	313,062	
19	0				5.4	-	-	-5.4		608.9	X	0	0	307,665	313,389	
20	330		90°52'	-13.1°	5.0	-	-	-5.0		609.3		+70	+323	307,735	313,712	
$\frac{1}{2}$	621		87°53'	-13.1°	7.3	-	-	-7.3		607.0		+163	+599	307,828	313,988	307810+314020 4-Way Intersect. el. 606
21	660		90°52'	-13.1°	12.1	-	-	-12.1		602.2	TP	+140.2	+645	307,807	314,034	
21	660				8.8	BH	-3.3	-12.1			TP					
	1650/1320		295°44'32'-180°	-13.1°	+5.8	88°12'	-41.4	-35.6			BS	-289.2	+1287			
	1650/1320				+2.9	88°20'	-38.4	-35.5	566.7		BS					
22	1320/990		294°43'	-13.1°	8.2	89°	+17.3	+9.1		575.8		+199	-970	307,719	314,351	
23	990/660		" "	"	3.1	TH	+3.3	+0.2		566.9		+133	-646	307,653	314,675	
24	660/330		" "	"	2.7	-	-	-2.7		564.0		+66	-323	307,586	314,998	
25	330				5.4	-	-	-5.4		561.3	X	0	0	307,520	315,321	

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7-8-81		G. Cotcamp		T. Grady		6834		TG rde		6		3			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
New Hampshire		Claremont		New Hampshire		Sullivan								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
									566.7						
26	330		114°35'	-13.1°	1.9	88°	+11.5	+9.6		576.3		-66	+323	307,454	315,644
27	660		" "	"	1.9	85°44'	+49.0	+47.1		613.8		-131	+647	307,389	315,968
28	990	986.7	113°39'	-13.1°	5.8	85°20'	+80.3	+74.5		641.2	TP	-181+2	+970	307,341	316,291
28	990				5.2	85°22'	+79.9	+74.5			TP				
	618	610.9	295°07'-180°	-13.1°	+14.7	98°40'	+92.1	+106.8			BS	-127+2	+598		
	618				+12.9	98°50'	+93.8	+106.7	747.9		BS				
29	288		292°05'	-13.1°	11.7	97°	-34.8	-46.5		701.4		+45	-284	307,261	316,605
π	0				5.4	-	-	-5.4		742.5	π	0	0	307,216	316,889
30	45		143°0'	-13.1°	2.2	-	-	-2.2		745.7		-29	+35	307,187	316,924
31	375	374.5	126°27'	-13.1°	12.0	87°	+19.6	+7.6		755.5	TP	-148+2	+344	307,070	317,233
31	375				9.9	87°20'	+17.4	+7.5			TP				
	660		300°38'-180°	-13.1°	+13.4	-	-	+13.4	768.9		BS	-199+2	+629		
	660				+10.1	04	+3.3	+13.4			BS				
32	330		300°38'	-13.1°	11.8	91°20'	-7.7	-19.5		749.4		+99	-315	306,972	317,597
33	0				5.4	-	-	-5.4		763.5	π	0	0	306,873	317,862
34	330	329.6	115°40'	-13.1°	4.6	87°	+17.2	+12.6			TP	-72+2	+322	306,803	318,184
34	330				1.7	87°30'	+14.4	+12.7		781.6	TP				
	253		276°23'-180°	-13.1°	+10.2	92°	+8.8	+19.0			BS	+30+2	+251		
	253				+14.7	91°	+4.4	+19.1	800.7		BS				
π	0				5.4	-	-	-5.4		795.3	π	0	0	306,835	318,435

horiz. corrad. y=+17
x=-10'
306,835+318,435
Intersect

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7-8-81		G. Coteamp		T. Grady		6834		TG <i>rlw</i>		6	4			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
New Hampshire		Claremont		New Hampshire	Sullivan					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.	
									800.7					
35	137		198°51'	-13.5°	12.6	-		-12.6		788.1		-136	-13	306,699 318,422
36	467		" "	"	4.1	88°-	+16.3	+12.2		812.9		-465	-44	306,370 318,391
37	797	795.9	198°51'	-13.5°	1.3	87°-	+41.7	+40.4		841.1	TP	-792.2	-74	306,045 318,361
37	797				3.6	86°50'	+44.0	+40.4			TP			
	330		31°15'+180°	+13.5°	+8.8	91°-	+5.8	+14.6	855.7		BS	-314.2	-101	
	330				+9.9	90°48'	+4.6	+14.5			BS			
38	0				5.4	-		-5.4		850.3	π	0	0	305,733 318,260
39	333		196°59'	-13.5°	6.0	88°22'	+9.5	+3.5		859.2	TP	-332.2	-20	305,413 318,240
39	333				5.4	88°28'	+8.9	+3.5			TP			
	330		30°19'+180°	-13.5°	+10.3	91°-	+5.8	+16.1	875.3		BS	-316.2	-95	
	330				+9.4	91°10'	+6.7	+16.1			BS			
40	0				5.4	-		-5.4		869.9	π	0	0	305,089 318,145
41	328		200°18'	-13.5°	5.0	-		-5.0		870.3	TP	-326.2	-39	304,765 318,106
41	328				6.7	TH	+1.6	-5.1			TP			
	660		5°56'+180°	-13.5°	+14.9	BH	+3.3	+18.2	888.5		BS	-654.2	+87	
	660				+14.4	90°20'	+3.8	+18.2			BS			
42	330		5°56'	-13.5°	12.8	-		-12.8		875.7		+327	-43	304,440 318,150
43	0				5.4	-		-5.4		883.1	π	0	0	304,113 318,193 last sta. on road.
IF	67		192°0'	-13.5°	3.8	-		-3.8		884.7		-67	+2	304,046 318,195 driveway (east)

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7-8-81		G. Cotcamp		T. Grady		6834		TG rlu		6	5			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
New Hampshire		Claremont		New Hampshire	Sullivan					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.	
									888.5					
TP	237		201° 20'	-13.5°	9.4	-	-9.4			879.1	TP	-235 ₊₂	-32	303,880 318,161
TP	237				10.6	TH	+1.2	-9.4			TP			
	98	97.8	289° 28' -180°	-13.5°	+14.3	94° -	+6.8	+21.1	900.2		BS	-10 ₊₂	+97	
	98				+12.6	95° -	+8.5	+21.1			BS			
44	0				5.4	-	-5.4			894.8	π	0	0	303,872 318,258 in field
45	330	327.5	112° 45'	-13.5°	14.8	83° -	+39.9	+25.1			TP	-53 ₊₂	+323	303,821 318,581
45	330				13.4	83° 14'	+38.6	+25.2		925.4	TP			
	70		284° 32' -180°	-13.5°	+12.1	-		+12.1	937.5		BS	-1 ₊₂	+70	
	70				+12.5	TH	-0.4	+12.1			BS			
π	0				5.4	-	-5.4			932.1	π	0	0	303,822 318,651 split sta. - woods
46	260	258.1	142° 52'	-13.5°	5.1	83° 06'	+31.0	+25.9		963.4	TP	-164 ₊₂	+200	303,660 318,851
46	260				5.5	83° -	+31.4	+25.9			TP			along old road bed
	330	326.8	319° 18' -180°	-13.5°	+5.3	98° -	+45.5	+50.8			BS	-191 ₊₂	+265	↓
	330				+7.3	97° 40'	+43.6	+50.9	1014.3		BS			
47	0				5.4	-	-5.4			1008.9	π	0	0	303,471 319,116
48	330	327.5	146° 12'	-13.5°	6.9	83° -	+39.9	+33.0			TP	-222 ₊₂	+241	303,251 319,357
48	330				3.0	83° 40'	+36.2	+33.2		1047.5	TP			
	330	329.0	332° 42' -180°	-13.5°	+6.1	94° 30'	+25.8	+31.9	1079.4		BS	-249 ₊₂	+215	
	330				+4.2	94° 50'	+27.7	+31.9			BS			
49	0				5.4	-	-5.4			1074.0	π	0	0	303,004 319,572

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7-9-81		G. Cotcamp		T. Grady		6834		TG dew		6	6					
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
New Hampshire		Claremont	New Hampshire	Sullivan				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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									1079.4							
TP	191		145° 58'	-13.5°	7.5	88° -	+6.7	-0.8		1078.6	TP	-129 ⁺²	+141	302,877	319,713	
TP	191				4.2	89° -	+3.3	-0.9			TP					
	148	146.9	275° 45' -180°	-13.5°	+14.1	97° -	+17.9	+32.0	1110.6		BS	+20 ⁺²	+146			
	148				+11.6	98° -	+20.4	+32.0			BS					
50	0				5.4	-		-5.4		1105.2	X	0	0	302,899	319,859	
TP	181	179.2	71° 54'	-13.5°	0.6	82° -	+24.9	+24.3		1134.9	TP	+94 ⁺²	+153	302,995	320,012	
TP	181				2.2	81° 30'	+26.5	+24.3			TP					
	149		275° 15' -180°	-13.5°	+14.1	93° -	+7.8	+21.9			BS	+21 ⁺²	+147			
	149				+12.9	93° 30'	+9.1	+22.0	1156.9		BS					
51	0				5.4	-		-5.4		1151.5	X	0	0	303,018	320,159	
TP	192		122° 17'	-13.5°	4.1	88° -	+6.7	+2.6			TP	-62 ⁺²	+182	302,958	320,341	
TP	192				2.9	88° 20'	+5.6	+2.7		1159.6	TP					
	221	220.7	297° 49' -180°	-13.5°	+7.9	93° -	+11.5	+19.4	1179.0		BS	-55 ⁺²	+214			
	221				+7.0	93° 14'	+12.4	+19.4			BS					
52	86		299° 07'	-13.5°	13.5	-		-13.5		1165.5		+23	-83	302,928	320,472	
X	0				5.4	-		-5.4		1173.6	X	0	0	302,905	320,555	
53	240	239.0	141° 22'	-13.5°	3.8	85° -	+20.8	+17.0			TP	-147 ⁺²	+189	302,760	320,744	
53	240				1.7	85° 30'	+18.8	+17.1		1196.1	TP					
	267	265.9	319° 30' -180°	-13.9°	+9.9	95° -	+23.2	+33.1			BS	-155 ⁺²	+216			
	267				+11.5	94° 40'	+21.7	+33.2	1229.3		BS					

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Geosource Inc.

DATE 7-9-81	INSTRUMENT MAN G. Cotcamp	ROD MAN T. Grady	PARTY NUMBER 6834	NOTES CHECKED BY TG <i>John</i>	LINE NO. 6	PAGE 7
AREA New Hampshire	TOPO MAP Claremont	STATE New Hampshire	COUNTY Sullivan	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.	
									1229.3					
Y	0				5.4	-		-5.4		1223.9	X	0	0	302,607 320,960 Y-intersect.
54	65		169°14'	-13.9°	11.9	-		-11.9		1217.4		-59	+27	302,548 320,987
TP	330	329.5	165°42'	-13.9°	1.8	93°10'	-18.2	-20.0			TP	-290 ₊₂	+156	302,319 321,116
TP	330				2.5	93°2'	-17.4	-19.9		1209.4	TP			
	142		341°32'-180°	-13.9°	+12.7	-		+12.7	1222.1		BS	-120 ₊₂	+76	
	142				+11.9	0H	+0.7	+12.6			BS			
55	78		338°17'	-13.9°	6.7	-		-6.7		1215.4		+63	-45	302,264 321,147
X	0				5.4	-		-5.4		1216.7	X	0	0	302,201 321,192
56	253		136°55'	-13.9°	8.2	-		-8.2		1213.9	TP	-138 ₊₂	+212	302,065 321,404
56	253				6.9	0H	-1.3	-8.2			TP			
	270		322°11'-180°	-13.9°	+11.5	0H	+1.4	+12.9	1226.8		BS	-167 ₊₂	+212	
	270				+14.2	TH	-1.4	+12.8			BS			
X	0				5.4	-		-5.4		1221.4	X	0	0	301,900 321,616
57	60		122°18'	-13.9°	13.8	-		-13.8		1213.0		-19	+57	301,881 321,673
TP	176	174.9	147°03'	-13.9°	6.3	96°30'	-19.8	-26.1			TP	-120 ₊₂	+128	301,782 321,744
TP	176				4.7	97°-	-21.3	-26.0		1200.8	TP			
	210		353°52'-180°	-13.9°	+3.8	91°-	+3.7	+7.5	1208.3		BS	-197 ₊₂	+72	
	210				+5.0	90°40'	+2.4	+7.4			BS			
58	0				5.4	-		-5.4		1202.9	X	0	0	301,587 321,816

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7-9-81		G. Cotcamp		T. Grady		6834		TG rlu		6	8				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
New Hampshire		Claremont	New Hampshire	Sullivan					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
									1208.3						
TP	190		175°59'	-13.9°	4.2	-		-4.2			TP	-181+2	+58	301,408	321,874
TP	190				51	TH	+1.0	-4.1		1204.2	TP				
	140		6°02'+180°	-13.9°	+1.4	89°-	-2.4	-1.0	1203.2		BS	-139+2	+19		
	140				+3.8	88°-	-4.9	-1.1			BS				
59	0				5.4	-		-5.4		1197.8	X	0	0	301,271	321,893
TP	137		170°36'	-13.9°	7.6	88°-	+4.8	-2.8			TP	-126+2	+54	301,147	321,947
TP	137				7.0	88°14'	+4.2	-2.8		1200.4	TP				
	124		347°38'-180°	-13.9°	+2.7	88°-	-4.3	-1.6	1198.8		BS	-111+2	+55		
	124				+0.5	89°-	-2.2	-1.7			BS				
X	0				5.4	-		-5.4		1193.4	X	0	0	301,038	322,002
60	64		149°14'	-13.9°	14.9	BH	-0.3	-15.2		1183.6		-46	+45	300,992	322,047
TP	188	186.7	146°08'	-13.9°	10.3	96°40'	-21.7	-32.0		1166.8	TP	-126+2	+138	300,914	322,140
TP	188				11.4	96°20'	-20.6	-32.0			TP				
	167	166.4	349°05'-180°	-13.9°	+3.4	85°-	-14.5	-11.1	1155.7		BS	-151+2	+70		
	167				+1.5	85°40'	-12.6	-11.1			BS				
X	0				5.4	-		-5.4		1150.3	X	0	0	300,765	322,210
61	30		209°34'	-13.9°	5.4	-		-5.4		1149.8		-29	-8	300,736	322,202
62	360		195°14'	-13.9°	4.7	92°-	-12.6	-17.3			TP	-360+2	-8	300,407	322,202
62	360				2.6	92°20'	-14.6	-17.2		1138.5	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-9-81	INSTRUMENT MAN G. Cotcamp	ROD MAN T. Grady	PARTY NUMBER 6834	NOTES CHECKED BY TG also	LINE NO. 6	PAGE 9
AREA New Hampshire	TOPO MAP Claremont	STATE New Hampshire	COUNTY Sullivan	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	COORDINATES		REMARKS
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	
62										1138.5				
	262		11°15' +180°	-14.3°	+1.1	88°	-9.1	-8.0	1130.5		BS	-264 ₂	+14	
	262				+1.8	87°50'	-9.9	-8.1			BS			
π	0				5.4	-		-5.4		1125.1	π	0	0	300,148 322,216
63	68		175°38'	-14.3°	9.0	-		-9.0		1121.5		-64	+22	300,084 322,238
TP	188		149°30'	-14.3°	9.6	-		-9.6		1120.9	TP	-133 ₂	+132	300,017 322,348
TP	188				8.7	BH	-0.9	-9.6			TP			
	190		11°45' +180°	-14.3°	+4.2	87°30'	-8.3	-4.1	1116.8		BS	-190 ₂	+8	
	190				+3.6	87°40'	-7.7	-4.1			BS			
64	0				5.4	-		-5.4		1111.4	π	0	0	299,829 322,356
TP	287	286.3	186°39'	-14.3°	12.6	94°	-20.0	-32.6			TP	-284 ₂	+38	299,547 322,394
TP	287				10.0	94°30'	-22.9	-32.9		1084.4	TP			
	156	155.4	31°22' +180°	-14.3°	+4.3	85°	-13.5	-9.2	1075.2		BS	-149 ₂	-46	
	156				+3.0	85°30'	-12.2	-9.2			BS			
65	108		31°54'	-14.3°	5.0	85°	+9.4	+4.4		1079.6		+103	+33	299,505 322,381
π	0				5.4	-		-5.4		1069.8	π	0	0	299,400 322,348
66	221		216°12'	-14.3°	10.0	93°	-11.5	-21.5		1053.7		-205	-82	299,195 322,266
67	550	549.3	216°12'	-14.3°	12.1	93°	-28.7	-40.8		1034.4	TP	-510 ₂	-205	298,892 322,143
67	550				13.7	92°50'	-22.2	-40.9			TP			
	330		32°02' +180°	-14.3°	+6.0	88°36'	-8.1	-2.1			BS	-314 ₂	-100	
	330				+7.6	88°20'	-9.6	-2.0	1032.4		BS			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-9-81	INSTRUMENT MAN G. Cotcamp		ROD MAN T. Grady		PARTY NUMBER 6834		NOTES CHECKED BY TG		LINE NO. 6	PAGE 10
AREA New Hampshire	TOPO MAP Claremont		STATE New Hampshire	COUNTY Sullivan		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.	
									1032.4					
68	0				5.4	-		-5.4		1027.0	X	0	0	298,580 322,043
68	36		199°20'	-14.3°	7.8	-		-7.8		1024.6		-36	-3	298,544 322,040 T-intersect.
69	290	288.6	144°17'	-14.3°	5.5	95°40'	-28.5	-34.0			TP	-185.2	+221	298,397 322,264
69	290				7.1	95°20'	-26.8	-33.9		998.5	TP			
	330	329.2	329°46'-180°	-14.3°	+5.3	86°-	-23.0	-17.7	980.8		BS	-235.2	+231	
	330				+1.5	86°40'	-19.2	-17.7			BS			
70	0				5.4	-		-5.4		975.4	X	0	0	298,164 322,495
71	330		156°16'	-14.3°	10.3	94°-	-23.0	-33.3		947.5		-260	+203	297,904 322,698
72	660	658.1	156°16'	-14.3°	6.1	94°20'	-49.7	-55.8		925.0	TP	-518.2	+405	297,648 322,900
72	660				4.2	94°30'	-51.6	-55.8			TP			
	287	285.7	316°58'-180°	-14.3°	+8.2	84°36'	-26.9	-18.7			BS	-154.2	+241	
	287				+6.6	84°56'	-25.2	-18.6	906.4		BS			
73	110		280°42'	-14.3°	1.0	88°-	+3.8	+2.8		909.2		-7	-110	297,489 323,031 T-intersect.
73	0				5.4	-		-5.4		901.0	X	0	0	297,496 323,141
TP	217	216.7	108°44'	-14.3°	13.2	93°-	-11.3	-24.5		881.9	TP	-17	+216	297,479 323,357
TP	217				11.9	93°20'	-12.6	-24.5			TP			
	356		310°26'-180°	-14.3°	+5.0	88°34'	-8.9	-3.9			BS	-157	+320	
	356				+3.0	88°54'	-6.8	-3.9	878.0		BS			
74	240		307°04'	-14.3°	2.1	-		-2.1		875.9		+93	-221	297,475 323,456
X	0				5.4	-		-5.4		872.6	X	0	0	297,322 323,677

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
7-9-81		G. Cotcamp		T. Grady		6834		AG rlu		6		11		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
New Hampshire		Claremont		New Hampshire		Sullivan						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.	
									878.0					
75	90		102°37'	-14.3°	7.6	-	-7.6		870.4			+3	+90	297,325 323,767
76	420		102°37'	-14.3°	10.2	91°	-7.3	-17.5	860.5	TP		+12	+420	297,334 324,097
76	420				13.8	90°30'	-3.7	-17.5		TP				
	333	331.0	290°42'-180°	-14.3°	+3.5	83°46'	-36.5	-33.0			BS	-37	+329	
	333				+5.5	83°20'	-38.4	-32.9	827.6		BS			
77	0				5.4	-	-5.4		822.2		X	0	0	297,297 324,426
78	330	329.2	119°17'	-14.3°	8.6	94°	-23.0	-31.6	796.0	TP		-85	+318	297,212 324,744
78	330				14.4	93°	-17.2	-31.6			TP			
	130		308°55'-180°	-14.3°	+4.9	-	+4.9		800.9		BS	-54	+118	
	130				+5.6	TH	-0.7	+4.9			BS			
X	0				5.4	-	-5.4		795.5		X	0	0	297,158 324,862
79	200		174°41'	-14.3°	4.2	88°	+7.0	+2.8	803.7			-188	+67	296,970 324,929
TP	430		172°55'	-14.3°	11.8	88°	+15.0	+3.2	804.1	TP		-400	+157	296,758 325,019
TP	430				4.3	89°	+7.5	+3.2			TP			
	434		328°50'-180°	-14.3°	+6.7	89°	-7.6	-0.9			BS	-304	+309	
	434				+4.2	89°20'	-5.0	-0.8	803.3		BS			
80	330		328°50'	-14.3°	1.3	TH	+1.7	+0.4	803.7			+231	-235	296,685 325,091
TP	65		329°31'	-14.3°	5.2	-	-5.2		798.9			+46	-46	296,500 325,280
81	0				5.4	-	-5.4		798.7		X	0	0	296,454 325,326

horiz. correct. y=+92
x=-2'
296,500+325,280
4-Way Intersect cl. 799

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7-10-81		G. Cotcamp		T. Grady		6834		TG shw		6	12			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
New Hampshire		Claremont		New Hampshire	Sullivan					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.	
									803.3					
TP	260		132°31'	-13.5°	3.0	-		-3.0		800.3	TP	-126	+227	296,328 325,553
TP	260				4.3	TM	+1.3	-3.0			TP			
	628	627.5	298°11'-180°	-13.5°	+4.1	92°20'	+25.5	+29.6			BS	-159	+607	
	628				+2.3	92°30'	+27.4	+29.7	830.0		BS			
82	560		298°49'	-13.5°	3.8	92°30'	-24.4	-28.2		801.8		+148	-540	296,317 325,620
83	230		297°27'	-13.5°	11.6	92°-	-8.0	-19.6		810.4		+55	-223	296,229 325,937
π	0				5.4	-		-5.4		824.6	π	0	0	296,169 326,160
84	109		154°39'	-13.5°	1.9	89°-	+1.9	0.0		830.0		-85	+68	296,084 326,228
TP	395	393.8	151°21'	-13.5°	3.7	85°30'	+30.9	+27.2			TP	-292	+264	295,877 326,424
TP	395				0.2	86°-	+27.5	+27.3		857.3	TP			
	372	370.0	298°07'-180°	-13.5°	+10.6	96°-	+38.7	+49.3	906.6		BS	-93	+358	
	372				+9.5	96°10'	+39.7	+49.2			BS			
85	330		296°27'	-13.5°	10.3	96°-	-34.3	-44.6		862.0		+74	-322	295,858 326,460
86	0				5.4	-		-5.4		901.2	π	0	0	295,784 326,782
87	330	329.2	100°04'	-13.5°	1.7	86°-	+23.0	+21.3		927.9	TP	+20	+329	295,804 327,111
87	330				3.6	85°40'	+24.7	+24.5			TP			
	660		275°21'-180°	-13.5°	+1.2	94°36'	+52.8	+54.0	981.9		BS	+93	+651	
	660				+2.3	94°30'	+51.6	+53.9			BS			
88	330		275°21'	-13.5°	11.8	94°-	-23.0	-34.8		947.1		-47	-327	295,850 327,435
89	0				5.4	-		-5.4		976.5	π	0	0	295,897 327,762

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-10-81		G. Cotcamp		T. Grady		6834		GWC. <i>new</i>		6	13						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
New Hampshire		Claremont	New Hampshire	Sullivan					L. Davis								
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									981.9								
90	330		96°47'	-13.5°	0.5	85°-	+28.7	+28.2		1010.1		+39	+328	295,936	328,090		
91	660	657.5	96°13'	-13.5°	14.8	84°58'	+57.7	+42.9		1024.8	TP	+83	+652	295,980	328,414		
91	660				14.4	85°-	+57.3	+42.9			TP						
	660		238°40'-180°	-13.5°	+3.3	-		+3.3	1028.1		BS	+465	+468				
	660				+6.6	TH	-3.3	+3.3			BS						
TP	496		239°30'	-13.5°	5.7	-		-5.7		1022.4		-345	-357	296,100	328,525		
92	330		238°40'	-13.5°	5.2	-		-5.2		1022.9		-233	-234	296,212	328,648		295,980 + 328,500 Y-intersect. el. 1025
93	0				5.4	-		-5.4		1022.7	X	0	0	296,445	328,882		
94	311		35°0'	-13.5°	13.6	90°40'	-3.6	-17.2		1010.9	TP	+289	+114	296,734	328,996		
94	311				11.8	91°-	-5.4	-17.2			TP						
	660		181°59'-180°	-13.5°	+9.2	91°-	+11.5	+20.7	1031.6		BS	+647	-132				
	660				+14.2	90°34'	+6.5	+20.7			BS						
95	330		181°59'	-13.5°	8.7	92°-	-11.5	-20.2		1011.4		-323	+66	297,058	328,930		
96	0				5.4	-		-5.4		1026.2	X	0	0	297,381	328,864		
97	330'		13°33'	-13.5°	3.0	89°-	+5.8	+2.8		1034.4		+330	0	297,711	328,864		
TP	487		11°52'	-13.5°	7.6	89°-	+8.5	+0.9			TP	+487	-14	297,868	328,850		Y-intersect.
TP	487				4.7	89°20'	+5.7	+1.0		1032.6	TP						
	380	379.0	341°04'-180°	-13.5°	+12.6	94°-	+26.4	+39.0			BS	-320	+203				
	380				+14.8	93°40'	+24.3	+39.1	1071.7		BS						
98	0				5.4	-		-5.4		1066.3	X	0	0	297,548	329,053		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-11-81	INSTRUMENT MAN G. Cotcamp		ROD MAN T. Grady		PARTY NUMBER 6834		NOTES CHECKED BY TG J.S.W.		LINE NO. 6	PAGE 14
AREA New Hampshire	TOPO MAP Claremont	STATE New Hampshire	COUNTY Sullivan		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.	
									1071.7					
99	330		139° 29'	-13.2°	5.6	87° -	+17.2	+11.6		1083.3		-195	+266	297,353 329,319
100	660		135° 48'	-13.2°	4.8	86° 30'	+40.2	+35.4		1107.1		-256	+286	297,192 329,609
101	990	988.0	135° 48'	-13.2°	0.6	86° 20'	+63.2	+62.7		1134.4	TP	-532	+292	297,016 329,885
101	990				5.2	86° 04'	+67.7	+62.5			TP			
	660	657.5	319° 26' -180°	-13.2°	+14.3	95° -	+57.3	+71.6	1206.0		BS	-184	+130	
	660				+10.4	95° 20'	+61.1	+71.5			BS			
102	330		319° 26'	-13.2°	12.0	95° -	-28.7	-40.7		1165.3		+195	-266	296,822 330,149
103	0				5.4	-	-	-5.4		1200.6	X	0	0	296,627 330,415
104	330	328.2	119° 23'	-13.2°	7.5	84° -	+34.3	+26.8			TP	-91	+315	296,536 330,730
104	330				1.8	85° -	+28.7	+26.9		1232.9	TP			
	662	661.0	292° 54' -180°	-13.2°	+12.0	93° -	+34.6	+46.6			BS	-111	+552	
	662				+13.9	92° 50'	+32.7	+46.7	1279.6		BS			
105	332		292° 54'	-13.2°	10.8	94° -	-23.1	-33.9		1245.7		+56	-327	296,481 331,055
106	0				5.4	-	-	-5.4		1274.2	X	0	0	296,425 331,382
107	332		127° 20'	-13.2°	6.9	84° -	+34.5	+27.6		1307.2		-126	+203	296,289 331,685
108	664	660.4	127° 20'	-13.2°	5.4	84° -	+69.0	+67.6			TP	-270	+603	296,155 331,985
108	664				1.5	84° 20'	+65.2	+63.7		1343.3	TP			
	641	637.7	276° 40' -180°	-13.2°	+13.3	95° 50'	+64.8	+78.1			BS	+73	+634	
	641				+14.8	95° 42'	+63.4	+78.2	1421.5		BS			
109	330		273° 26'	-13.2°	10.4	95° -	-28.7	-39.1		1382.4		-56	-325	296,172 332,294

curve

setup opposite sta.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-11-81		G. Cotcamp		T. Grady		6834		GWC, S.S.O.		6	15					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
New Hampshire		Claremont		New Hampshire	Sullivan					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.															
									1421.5							
110	0				5.4	-		-5.4		1416.1	π	0	0	296,228	332,69	
111	330		101° 47'	-13.2°	1.4	87° -	47.2	+15.8		1437.3		+12	+120	296,236	332,949	
112	660		" "	"	3.0	86° 30'	+40.2	+37.2		1458.7		+16	+320	296,244	333,279	
113	990	988.2	99° 31'	-13.2°	10.2	86° 30'	+60.3	+50.1		1471.6	TP	+63	+986	296,291	333,605	
118	990				14.2	86° 16'	+64.3	+50.1			TP					
	660		279° 38' - 180°	-13.2°	+9.8	88° -	-23.0	-13.2			BS	+111	+658			
	660				+4.0	88° 30'	-17.3	-13.3	1458.3		BS					
114	330		279° 38'	-13.2°	2.2	89° -	+5.8	+3.6		1461.9		-21	-329	296,311	333,934	
115	0				5.4	-		-5.4		1452.9	π	0	0	296,332	334,263	
116	330	329.2	94° 22'	-13.2°	10.3	94° -	-23.0	-33.3		1425.0	TP	+51	+325	296,383	334,588	T.P. opposite station
116	330				14.1	93° 20'	-19.2	-33.3			TP					
	345	344.5	293° 0' - 180°	-13.2°	+0.3	87° -	-18.0	-17.7			BS	-59	+370			
	345				+6.2	86° -	-24.0	-17.8	1407.2		BS					
117	27		284° 10'	-13.2°	4.5	-		-4.5		1402.7		0	-27	296,324	334,901	T-intersect. e.l. 1402.0
117	0				5.4	-		-5.4		1401.8	π	0	0	296,324	334,928	
118	330		150° 48'	-13.2°	12.7	91° -	-5.8	-18.5		1388.7		-244	+223	296,080	335,151	
119	660		" "	"	12.3	84	-3.3	-15.6		1391.6		-427	+105	295,837	335,373	
120	990		" "	"	3.9	-		-3.9		1403.3		-731	+668	295,593	335,596	
121	1320		" "	"	5.1	89° -	+23.0	+17.9		1425.1		-976	+800	295,349	335,818	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-12-81	INSTRUMENT MAN C. Cotcamp	ROD MAN T. Grady	PARTY NUMBER 6834	NOTES CHECKED BY FG	LINE NO. 6	PAGE 16
AREA New Hampshire	TOPO MAP Claremont	STATE New Hampshire	COUNTY Sullivan	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			
									1407.2									
122	1650	1649.6	150°48'	-13.2°	3.7	88°40'	+38.4	+34.7		1441.9	TP	-1218	+1112	295,106	336,040			
122	1650				13.3	88°20'	+48.0	+34.7			TP							
	990	988.2	319°51'-180°	-13.2°	+13.2	93°30'	+60.3	+73.5	1515.4		BS	-597	+793					
	990				+10.3	93°40'	+63.2	+73.5			BS							
123	660		319°51'	-13.2°	10.9	95°-	-57.3	-68.2		1447.2		+394	-530	294,910	336,303			
124	330		" "		10.1	94°-	-23.0	-33.1		1482.3		+197	-265	294,713	336,568			
125	0				5.4	-		-5.4		1510.0	TP	0	0	294,516	336,833			
126	330		138°45'	-13.2°	6.1	86°-	+23.0	+16.9		1532.3		-192	+268	294,324	332,101			
127	660	6588	137°01'	-13.2°	6.5	86°30'	+40.2	+33.7		1549.1	TP	-367	+517	294,149	337,380			
127	660				4.6	86°40'	+38.3	+33.7			TP							
	992	990.6	323°50'-180°	-13.2°	+5.7	93°-	+51.8	+57.5			BS	-645	+752					
	992				+14.4	92°30'	+43.2	+57.6	1606.7		BS							
128	660		322°48'	-13.2°	7.8	94°-	-45.9	-53.7		1553.0		+421	-509	293,925	337,623			
129	330		" "		8.4	94°-	-23.0	-31.4		1575.3		+210	-254	293,714	337,878			
130	0				5.4	-		-5.4		1601.3	TP	0	0	293,504	338,132			
131	330		150°14'	-13.2°	4.6	-		-4.6		1602.1		-241	+225	293,263	338,357			
132	660		146°42'	-13.2°	2.2	89°30'	+5.8	+3.6		1610.3	TP	-454	+479	293,050	338,411			
132	660				0.4	89°40'	+3.8	+3.4			TP							
	990		322°23'-180°	-13.2°	+7.0	88°28'	-26.5	-19.5			BS	-625	+767					
	990				+8.2	88°24'	-27.6	-19.4	1590.9		BS							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-12-81		G. Cotcamp		T. Grady		6834		T.G. view		6	17						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New Hampshire		Claremont		New Hampshire	Sullivan					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		
									1590.9								
133	660		322° 23'	-13.2°	3.4	88° 40'	+15.4	+12.0		1602.9		+417	-512	292,842	338,866		
134	330		" "	"	2.1	-		-2.1		1588.8		+209	-256	292,634	339,122		
135	0				5.4	-		-5.4		1585.5	π	0	0	292,425	339,378		
136	330		151° 49'	-13.2°	9.1	93° -	-12.2	-26.3		1564.6		-248	+218	292,177	339,596		
137	660		" "	"	10.8	93° -	-34.5	-45.3		1545.6		-425	+426	291,930	339,814		
138	990		" "	"	10.3	93° -	-51.7	-62.0		1528.9		-743	+659	291,682	340,032		
139	1320	1318.2	149° 17'	-13.2°	12.1	93° -	-67.0	-81.1		1509.8	TP	-950	+914	291,475	340,292		
139	1320				14.5	92° 54'	-66.7	-81.2			TP						
	990		328° 12' - 180°	-13.2°	+2.1	87° 44'	-37.1	-37.0	1472.8		BS	-699	+699				
	990				+12.9	87° 6'	-50.0	-37.1			BS						
140	660		327° 24'	-13.2°	4.8	89° -	+11.5	+6.7		1479.5		+460	-473	291,236	340,518		
141	330		" "	"	9.5	-		-9.5		1463.3		+230	-237	291,006	340,759		
142	0				5.4	-		-5.4		1467.4	π	0	0	290,776	340,991		
143	330		148° 07'	-13.2°	5.4	-		-5.4		1467.4		-233	+241	290,543	341,225	Town of Unity	
144	660		" "	"	4.2	-		-4.2		1468.6		-466	+467	290,310	341,458	↓	
145	990		148° 07'	-13.2°	6.5	-		-6.3		1466.5	TP	-699.2	+704.2	290,075	341,699		
145	990				11.4	TH	+5.0	-6.4			TP						
	1650		328° 6' 30" - 180°	-13.2°	+1.1	89° 54'	-2.9	-1.8	1464.7		BS	-1163.2	+1174.2				
	1650				+4.9	89° 46'	-6.7	-1.8			BS						
146	1320		328° 0'	-13.2°	7.9	-		-2.9		1456.8		+930	-937	289,840	341,930		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-12-81		G. Cotcamp		T. Grady		6834		TG		18		18			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
New Hampshire		Claremont/Sunapee		New Hampshire		Sullivan									
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
									1464.7						
147	990		328° 0'	-13.2°	2.6	91° -	-17.3	-19.9		1444.8		+698	-762	289,608 342,165	horiz. corrected y = -1'
148	660		" "	"	13.1	91° -	-11.5	-24.6		1440.1		+465	-1162	289,375 342,399	x =
IF	543		329° 10'	-13.2°	12.7	91° -	-9.5	-22.2		1442.5	*	+300	-1317	289,300 342,490	y-intersect.
149	330		328° 0'	-13.2°	9.1	91° -	-5.8	-14.9		1449.8		+239	-1284	289,143 342,633	
150	0				5.4	-		-5.4		1459.3	π	0	0	288,910 342,867	
151	330		148° 41'	-13.2°	1.9	-		-1.9		1462.8		-235	+231	288,675 343,098	
152	660		" "	"	3.0	TH	+2.3	+0.3		1465.0		-471	+463	288,439 343,330	
153	990		147° 03'	-13.2°	8.9	TH	+5.0	-3.9		1460.8	TP	-686.2	+714	288,222 343,581	
153	990				12.6	89° 30'	+8.6	-4.0			TP				
	1650	1649.3	319° 37' -180°	-13.2°	+7.6	88° 20'	-48.0	-40.4	1420.4		BS	-979.2	+1327		
	1650				+0.9	88° 34'	-41.3	-40.9			BS				
154	1320		319° 37'	-13.2°	7.2	88° 30'	+34.5	+27.2		1447.7		+784	-1062	288,025 343,846	
155	990		" "	"	11.2	88° 30'	+25.7	+14.7		1435.1		+588	-797	287,829 344,111	↑
156	660		" "	"	6.4	89° -	+11.5	+5.1		1425.5		+392	-531	287,633 344,327	Claremont Quad.
157	330		" "	"	2.1	-		-2.1		1418.3		+196	-266	287,437 344,642	Sunapee Quad.
158	0				5.4	-		-5.4		1415.0	π	0	0	287,241 344,908	↓
159	332		157° 46'	-13.2°	14.8	-		-14.8		1405.6	TP	-271.2	+192	286,968 345,100	
159	332				13.1	BH	-1.7	-14.8			TP				
	990	988.6	347° 41' -180°	-13.2°	+5.8	87° -	-51.7	-45.9	1359.7		BS	-892.2	+426		
	990				+1.8	87° 14'	-47.7	-45.9			BS				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-12-81	INSTRUMENT MAN G. Cotcamp		ROD MAN T. Grady		PARTY NUMBER 6834	NOTES CHECKED BY TG <i>sdw</i>	LINE NO. 6	PAGE 19
AREA New Hampshire	TOPO MAP Sunapee	STATE New Hampshire	COUNTY Sullivan		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 -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									1359.7									
160	660		347° 41'	-13.2°	6.0	87° -	+34.5	+28.5		1388.2		+596	-284	286,670	345,242			
161	330		" "	"	1.7	88° -	+11.5	+9.8		1369.5		+298	-142	286,372	345,384			
162	0				5.4	-		-5.4		1354.3	TP	0	0	286,074	345,526			
163	330		158° 13'	-13.2°	10.2	-		-10.2		1349.5		-270	+187	285,804	345,715			
164	660		" "	"	5.3	-		-5.3		1359.4		-541	+378	285,533	345,904			
165	990		158° 13'	-13.2°	2.7	TH	+5.0	+2.3		1362.0	TP	-811.2	+568	285,261	346,094			
165	990				6.4	89° 30'	+8.6	+2.2			TP							
	990		330° 22' 40"	-13.2°	+11.4	90° 30'	+8.6	+20.0			BS	-726.2	+673					
	990				+11.0	90° 32'	+9.2	+20.2	1382.2		BS							
165	458		332° 01'	-13.2°	13.0	90° 20'	-5.2	-18.2		1364.0		+677	-593	285,210	346,174	285,185 + 346,185	4-Way intersct. el. 1364	
166	330/660		330° 23'	-13.2°	11.2	90° 6'	-1.2	-12.4		1369.8		+484	-449	285,017	346,318			
167	660/330		" "	"	4.5	90° 10'	-1.0	-5.5		1376.7		+242	-224	284,715	346,593			
168	330				5.4	-		-5.4		1376.8	TP	0	0	284,533	346,767			
169	330		152° 19'	-13.2°	7.5	90° 6'	-0.6	-8.1		1374.1		-249	+216	284,284	346,983			
170	660		153° 55' 20"	-13.2°	13.0	90° 20'	-3.8	-16.8		1365.4	TP	-511.2	+418.2	284,020	347,183			
170	660				12.6	90° 22'	-4.2	-16.8			TP							
	660		337° 07' 30"	-13.2°	+7.3	87° -	-34.5	-27.2	1338.2		BS	-533.2	+388.2					
	660				+6.9	87° 2'	-34.1	-27.2			BS							
171	330		332° 02'	-13.2°	10.8	86° 10'	+22.0	+11.2		1349.4		+248	-217	283,733	347,352			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-14-81	INSTRUMENT MAN G. Cotcamp	ROD MAN T. Grady	PARTY NUMBER 6834	NOTES CHECKED BY TG	LINE NO. 6	PAGE 20
AREA New Hampshire	TOPO MAP Sunapee	STATE New Hampshire	COUNTY Sullivan	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.	
									1338.2					
172	0				5.4	-		-5.4		1332.8	π	0	0	283,485 347,569
173	330		143° 9' 10"	-132°	6.5	92° -	-11.5	-18.0		1320.2		-212	+253	283,273 347,822
174	660		148° 58' 30"	-132°	4.7	92° 10'	-24.7	-29.6		1308.6	TP	-439.2	+492.2	283,044 348,059
174	660			"	5.1	92° 8'	-24.6	-29.7			TP			
	330		357° 31' 40"	-132°	+3.0	88° 4'	-11.1	-8.1	1300.5		BS	-318.2	+89.2	
	330				+2.7	88° 6'	-10.9	-8.2			BS			
175	0				5.4	-		-5.4		1295.1	π	0	0	282,724 348,146
176	330		187° 53' 30"	-132°	7.4	92° 20'	-13.4	-20.8		1279.7		-329	+31	282,395 348,177
177	660		"	"	4.2	93° 20'	-38.3	-42.5		1258.0		-657	+61	282,067 348,207
178	990		"	"	5.6	93° 14'	-55.7	-61.3		1239.2		-986	+92	281,738 348,238
179	1320	1318.0	188° 04' 40"	-132°	7.7	93° 10'	-72.8	-80.5		1220.0	TP	-1313.2	+118.2	281,409 348,262
179	1320				7.1	93° 12'	-73.6	-80.7			TP			
	329		359° 54' 180°	-132°	+3.3	88° -	-11.5	-8.2	1211.8		BS	-320.2	+76.2	
	329				+1.4	88° 20'	-9.6	-8.2			BS			
180	0				5.4	-		-5.4		1206.4	π	0	0	281,087 348,336
181	330		165° 38'	-132°	12.3	-		-12.3		1199.5	TP	-293.2	+153.2	280,792 348,497
181	330				13.9	TH	+1.7	-12.3			TP			
	330		331° 02' 180°	-132°	+1.1	TH	-1.7	-0.6			BS	-245.2	+222.2	
	330				+1.4	89° 40'	-1.9	-0.5	1199.0		BS			
182	0				5.4	-		-5.4		1193.6	π	0	0	280,545 348,707

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-14-81	INSTRUMENT MAN G. Cotcamp	ROD MAN T. Grady	PARTY NUMBER 6834	NOTES CHECKED BY TG	LINE NO. 6	PAGE 21
AREA New Hampshire	TOPO MAP Sunapee	STATE New Hampshire	COUNTY Sullivan	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.	
									1199.0					
183	78		131° 17'	-13.2°	7.2	-	-7.2			1191.8		-37	+69	280,508 348,776
183	330		135° 51'	-10.2°	10.9	-	-10.9			1188.1	TP	-178.2	+278.2	280,365 348,983
183	330				9.2	BH	-1.7	-10.9			TP			
	990		296° 47' - 180°	-12.2°	+2.8	TH	-5.0	-2.2			BS	-233.2	+962.2	
	990				+6.5	89° 36'	-8.6	-2.1	1186.0		BS			
184	660		294° 22'	-13.2°	2.1	-	-2.1			1183.9		+128	-648	280,258 349,295
185	330		" "	" "	4.2	-	-4.2			1181.8		+64	-324	280,114 349,619
186	0				5.4	-	-5.4			1180.6	TP	0	0	280,130 349,943
187	330		114° 08'	-13.2°	0.9	TH	+1.7	+0.8		1186.8		-63	+324	280,067 350,267
188	660		" "	" "	3.8	89°	+11.5	+7.7		1193.7		-125	+648	280,005 350,591
189	990		" "	" "	6.2	89°	+12.3	+11.1		1197.1		-188	+972	279,942 350,915
190	1320		113° 18'	-13.2°	9.4	89°	+23.0	+13.6		1199.6	TP	-231.2	+1299.2	279,897 351,240
190	1320				4.8	89° 12'	+18.4	+13.6			TP			
	1320		287° 35' - 180°	-13.2°	+14.2	90° 20'	+7.7	+21.9	1221.5		BS	-101.2	+1316.2	
	1320				+10.4	90° 30'	+11.5	+21.9			BS			
191	990		287° 35'	-13.2°	11.7	BH	-5.0	-16.7		1204.8		+76	-987	279,870 351,567
192	660		" "	" "	11.8	-	-11.8			1209.7		+50	-658	279,844 351,896
193	330		" "	" "	8.5	-	-8.5			1213.0		+25	-329	279,819 352,225
194	0				5.4	-	-5.4			1216.1	TP	0	0	279,794 352,559

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
7-14-81		G. Cotcamp		T. Grady		6834		TG shw		6		22		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
New Hampshire		Sunapee		New Hampshire		Sullivan						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.	
									1221.5					
195	333		127°50'	-13.2°	10.6	-	-10.6			1210.9	TP	-139.2	+303.2	279,653 352,855
195	333				12.3	TH	+1.7	-10.6			TP			
	330		319°31'-180°	-12.2°	+2.9	88°-	-11.5	-8.6	1202.3		BS	-195.2	+266	
	330				+4.8	87°40'	-13.4	-8.6			BS			
196	0				5.4	-	-5.4			1205.5	π	0	0	279,456 353,121
197	330		146°20'	-13.2°	10.3	92°-	-11.5	-21.8		1189.1		-226	+241	279,230 353,362
198	668	667.6	143°53'	-13.2°	7.9	92°-	-23.3	-31.2		1171.1	TP	-435.2	+506	279,019 353,627
198	668				11.8	91°40'	-19.4	-31.2			TP			
	332		346°46'-180°	-13.2°	+13.1	91°20'	+7.7	+20.8	1191.9		BS	-297.2	+148	
	332				+11.1	91°40'	+9.7	+20.8			BS			
IL TP	141		353°29'	-13.2°	14.7	-	-14.7			1177.2		+133	-48	278,853 353,727 4-Way Inter.
199	0				5.4	-	-5.4			1186.5	π	0	0	278,720 353,775
200	330		186°19'	-13.2°	3.1	86°-	+23.0	+19.9		1211.8		-328	+40	278,392 353,815
201	660		" "	" "	1.6	86°-	+45.9	+44.3		1236.2		-655	+79	278,065 353,854
202	990	980.4	185°27'	-13.2°	4.3	85°50'	+76.7	+67.4			TP	-978.2	+133	277,740 353,908
202	990				1.4	86°-	+68.9	+67.5		1259.4	TP			
	660	659.1	7°41'+180°	-13.2°	+6.0	93°-	+34.5	+40.5	1299.9		BS	-656.2	+63	
	660				+7.9	92°50'	+32.6	+40.5			BS			
203	330		7°41'	-13.2°	10.1	93°-	-17.2	-27.3		1272.6		+328	-32	277,460 353,939
204	0				5.4	-	-5.4			1294.5	π	0	0	277,082 353,971

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-14-81		G. Cotcamp		T. Grady		6834		T.G. rdes		6	23						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
New Hampshire		Sunapee / Lovewell Mountain	New Hampshire	Sullivan					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		
									1299.9								
205	330		187° 52'	-132°	5.0	87° -	+17.2	+12.2		1312.1		-329	+31	276,753	354,002		
206	660		" "	"	5.9	87° -	+34.5	+28.6		1328.5		-657	+61	276,425	354,032		
207	990	988.6	187° 52'	-132°	10.4	87° -	+51.7	+41.3		1341.2	TP	-984.2	+92	276,096	354,063		
207	990				4.1	87° 22'	+45.4	+41.3			TP						
	1320		6° 33' +180°	-132°	+11.2	91° -	+23.0	+34.2	1375.4		BS	-1311.2	+153				
	1320				+13.5	90° 54'	+20.7	+34.2			BS						
208	990		6° 33'	-132°	7.7	91° -	-17.3	-21.0		1350.4		+983	-115	275,766	354,101		
209	660		" "	"	6.0	91° -	-11.5	-17.5		1357.9		+656	-76	275,439	354,140		
210	330		" "	"	10.5	-	-	-10.5		1364.9		+328	-38	275,111	354,178		
211	0				5.4	-	-	-5.4		1370.0	π	0	0	274,783	354,216		
212	330		186° 05'	-132°	0.4	-	-	-0.4		1375.0		-327	+111	274,456	354,257		
213	660		" "	"	7.1	88° 20'	+19.2	+12.1		1387.5		-655	+82	274,128	354,298	↑	
214	990		" "	"	2.4	88° 20'	+28.8	+26.4		1401.8		-982	+123	273,801	354,339	Sunapee Quad.	
215	1320		186° 05'	-132°	9.1	88° 20'	+38.4	+29.3		1404.7	TP	-1309.2	+163	273,472	354,379	Lovewell Mountain	
215	1320				6.8	88° 26'	+36.1	+29.3			TP					↓	
	1650		5° 22' 30" +180°	-132°	+14.3	88° 12'	-51.8	-37.5	1367.2		BS	-1634.2	+225				
	1650				+10.5	88° 20'	-48.0	-37.5			BS						
216	1320		5° 22'	-132°	5.8	88° 20'	+38.4	+32.6		1399.8		+1308	-180	273,144	354,424		
217	990		" "	"	4.1	88° 20'	+28.8	+24.7		1391.9		+981	-135	272,817	354,469		
218	660		" "	"	3.9	88° 20'	+19.2	+15.3		1382.5		+654	-90	272,490	354,514		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-14-81		G. Cotcamp		T. Grady		6834		T.G. rldw		6	24					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New Hampshire			New Hampshire	Sullivan					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.															
									1367.2							
219	330		5°22'	-13.2°	5.4	88°-	+11.5	+6.1		1373.3		+327	-45	272,163	354,554	
220	0				5.4	-		-5.4		1361.8	π	0	0	271,836	354,604	
221	330		185°46'	-13.2°	11.1	92°-	-11.5	-22.6		1344.6		-327	+43	271,509	354,647	
222	660		" "	"	6.4	91°-	-11.5	-17.9		1349.3		-654	+85	271,182	354,689	Town of Lempster
223	990		" "	"	4.0	-		-4.0		1363.2		-982	+128	270,854	354,732	↓
224	1320		" "	"	11.8	89°-	+23.0	+11.2		1378.4		-1309	+171	270,527	354,775	
225	1650		185°46'	-13.2°	4.0	89°-	+28.8	+2.8		1392.0	TP	-1636	+213	270,200	354,817	
225	1650				2.1	89°4'	+26.9	+24.8			TP					
	330		6°56'+180°	-13.2°	+14.3	BH	+1.7	+16.0	1408.0		BS	-328	+36			
	330				+14.4	90°16'	+1.5	+15.9			BS					horiz. correct. y=56, x=-26
226	0				5.4	-		-5.4		1402.6	π	0	0	269,872	354,853	269,545 + 354,710 T-rd (west)
#1	332		183°18'	-13.2°	0.7	-		-0.7		1407.3		-327	+57	269,845	354,910	
227	310		162°53'	-13.2°	1.6	89°-	+5.4	+3.8		1411.8	TP	-268+2	+156+3	269,606	355,012	
227	310				3.4	88°40'	+7.2	+3.8			TP					
	1320	1318.7	301°51'20"-180°	-13.2°	+7.6	92°30'	+57.5	+65.1	1476.9		BS	-422+2	+1249+3			
	1320				+14.5	92°12'	+50.6	+65.1			BS					
228	990		301°51'	-13.2°	9.3	92°30'	-43.1	-52.4		1424.5		+317	-938	269,503	355,326	
229	660		" "	"	7.5	92°30'	-28.8	-36.3		1440.6		+211	-625	269,397	355,639	
230	330		" "	"	11.3	91°-	-5.8	-17.1		1459.8		+106	-313	269,292	355,951	
231	0				5.4	-		-5.4		1471.5	π	0	0	269,186	356,264	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-15-81	INSTRUMENT MAN G. Cotcamp	ROD MAN T. Grady	PARTY NUMBER 6834	NOTES CHECKED BY T.G. jlw	LINE NO. 6	PAGE 25	
AREA New Hampshire	TOPO MAP	STATE New Hampshire	COUNTY Sullivan	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
									1476.9						
232	330		118° 49'	-13.2°	3.2	87° -	+17.2	+14.0		1490.9		-89	+318	269,097 356,582	
233	660	658.4	118° 49'	-13.2°	5.8	86° -	+45.9	+40.1		1517.0	TP	-177	+634+3	269,009 356,901	
233	660				0.1	86° 30'	+40.2	+40.1			TP				
	330	329.6	292° 53' 180°	-13.2°	+9.4	93° -	+17.2	+26.6			BS	-55	+325+3		
	330				+13.3	92° 20'	+13.4	+26.7	1543.7		BS				
234	0				5.4	-		-5.4		1538.3	π	0	0	268,954 357,229	
234	245		111° 28'	-13.2°	2.6	-		-2.6		1541.1		-35	+242	268,919 357,471	Y-intersect.
235	332		110° 02'	-13.2°	4.2	-		-4.2		1539.5	TP	-40	+330+3	268,914 357,562	
235	332				5.9	TH	+1.7	-4.2			TP				
	340		309° 15' 180°	-13.2°	+3.8	88° -	-11.9	-8.1	1531.4		BS	-149	+305+3		
	340				+1.2	88° 26'	-9.3	-8.1			BS				
236	0				5.4	-		-5.4		1526.0	π	0	0	268,765 357,870	
237	330		157° 55'	-13.2°	12.2	BH	-1.7	-13.9		1517.5		-269	+191	268,496 358,061	
238	660	659.5	157° 55'	-13.2°	14.0	92° 16'	-26.1	-40.1			TP	-538	+381+3	268,227 358,254	
238	660				14.7	92° 12'	-25.3	-40.0		1491.4	TP				
	330	329.2	332° 21' 180°	-13.2°	+0.1	86° -	-23.0	-22.9			BS	-249	+215+3		
	330				+5.9	85° -	-28.7	-22.8	1468.6		BS				
239	0				5.4	-		-5.4		1463.2	π	0	0	267,978 358,472	
240	330		143° 47'	-13.2°	11.7	BH	-1.7	-13.4		1455.2		-215	+251	267,763 358,723	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-15-81		G. Cutcamp		T. Grady		6834		TG <i>idw</i>		6	26						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
New Hampshire		Lewell Mountain	New Hampshire	Sullivan					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		
									1468.6								
241	662		142° 24'	-13.2°	9.8	-		-9.8		1458.8	TP	-418	+513.3	267,560	358,988		
241	662				13.1	TH	+3.3	-9.8			TP						
	332		340° 44' -180°	-13.2°	+8.6	-		+8.6	1467.4		BS	-280	+178.3				
	332				+10.3	TH	-1.7	+8.6			BS						
242	0				5.4	-		-5.4		1462.0	π	0	0	267,280	359,169		
243	327		161° 34'	-13.2°	13.9	91°	-5.7	-19.6		1447.8	TP	-278	+171.3	267,002	359,343		
243	327				10.1	91° 40'	-9.5	-19.6			TP						
	330		325° 39' -180°	-13.2°	+0.5	87°	-17.2	-16.7	1431.1		BS	-222	+243.3				
	330				13.4	86° 30'	-20.1	-16.7			BS						
244	0				5.4	-		-5.4		1425.7	π	0	0	266,780	359,589		
245	330		168° 52'	-13.2°	12.2	BH	-1.7	-13.9		1412.2		-301	+136	266,479	359,725		
246	660		" "	"	10.1	92°	-23.0	-33.1		1398.0		-601	+272	266,179	359,861		
247	992	991.4	168° 52'	-13.2°	8.3	92°	-34.6	-42.9		1388.2	TP	-903	+409.3	265,877	360,001		
247	992				11.2	91° 50'	-31.7	-42.9			TP						
	988		338° 55' -180°	-13.2°	+3.0	89°	-17.2	-14.2	1374.0		BS	-816	+556.3				
	988				+5.9	88° 50'	-20.1	-14.2			BS						
248	660		337° 24'	-13.2°	1.3	89°	+11.5	+10.2		1384.2		+535	-386	265,596	360,174		
249	330		" "	"	1.3	89°	+5.8	+4.5		1378.5		+268	-193	265,329	360,367		
250	0				5.4	-		-5.4		1368.6	π	0	0	265,061	360,560		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-15-81	INSTRUMENT MAN G. Cotcamp	ROD MAN T. Grady	PARTY NUMBER 6834	NOTES CHECKED BY TG	LINE NO. 6	PAGE 27
AREA New Hampshire	TOPO MAP Lovell Mountain	STATE New Hampshire	COUNTY Sullivan	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.	
									1374.0					
251	326		149°48'	-13.2°	11.9	-		-11.9		1362.1	TP	-237	+224+3	264,824 360,787
251	326				10.3	BH	-1.6	-11.9			TP			
	330		299°38'-180°	-13.2°	+1.7	TH	-1.7	±0.0	1362.1		BS	-93	+317+3	
	330				+5.8	89°-	-5.8	±0.0			BS			
252	0				5.4	-		-5.4		1356.7	π	0	0	264,731 361,107
253	327	326.2	97°35'	-13.2°	13.0	94°-	-22.8	-35.8		1326.3	TP	+32	+325+3	264,763 361,435
253	327				14.9	93°40'	-20.9	-35.8			TP			
	810	807.6	257°09'-180°	-13.2°	+12.4	85°36'	-62.0	-49.6	1276.7		BS	+355	+726+3	
	810				+13.8	85°30'	-62.4	-49.6			BS			
254	480		257°09'	-13.2°	2.0	88°-	+16.7	+14.7		1291.4		-211	-431	264,907 361,733
255	150		" "	"	3.0	88°-	+5.2	+2.2		1278.9		-66	-135	265,052 362,029
	π	0			5.4	-		-5.4		1271.3	π	0	0	265,118 362,164 split sta. - curve
256	191		114°43'	-13.2°	7.7	92°-	-6.7	-14.4		1262.3		-38	+187	265,080 362,351
257	521		" "	"	9.4	93°30'	-31.7	-41.1		1235.6		-104	+511	265,014 362,675
258	851		" "	"	12.4	93°40'	-54.3	-66.7		1210.0		-170	+834	264,948 362,998
259	1181	1180.2	114°16'	-13.2°	12.2	92°10'	-44.6	-56.8		1219.9	TP	-227	+1158+3	264,891 363,325
259	1181				15.0	92°02'	-41.9	-56.9			TP			
	258		299°01'-180°	-13.2°	+8.2	π		+8.2	1228.1		BS	-70	+248+2	horiz. coord. y=+4 x=+59
	258				9.5	TH	-1.3	+8.2			BS			
π	44		309°04'	-13.2°	4.2	-		-4.2		1223.9		+19	-40	264,840 363,535 4-way (R+10)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-15-81		G. Cotcamp		T. Grady		6834		TG		6	28						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
New Hampshire		Lovewell Mountain	New Hampshire	Sullivan					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		
									1228.1								
BM	245		13°56'	-13.5°	4.0	89°-	+4.3	+0.3		1228.4		+245	+2	265,066	363,577	1926 C.G. U.S.G.S. el. 1230	
π	0				5.4	-		-5.4		1222.7	π	0	0	264,821	363,575		
260	80		118°02'	-13.5°	8.8	-		-9.8		1219.3		-20	+77	264,801	363,652		
261	410		" "	"	8.2	92°-	-14.3	-22.5		1205.6		-103	+397	264,718	363,972		
262	740		118°02'	-13.5°	8.4	91°-	-12.9	-21.3		1206.8	TP	-186+3	+716-2	264,638	364,289		
262	740				12.7	90°40'	-8.6	-21.3			TP						
	740	660	331°56'-180°	-13.5°	+5.0	92°20'	+26.8	+31.8	1238.6		BS	-493+3	+438-2				
	660				+6.9	92°10'	+24.9	+31.8			BS						
263	330		329°33'	-13.5°	11.7	93°30'	-20.1	-31.8		1206.8		+238	-229	264,386	364,446		
264	0				5.4	-		-5.4		1233.2	π	0	0	264,148	364,725		
265	330		137°10'	-13.5°	6.9	83°-	+39.9	+33.0		1271.6		-183	+275	263,965	365,000		
266	660	656.	135°08'	-13.5°	13.7	83°40'	+72.4	+58.7		1297.3	TP	-344+3	+559-	263,807	365,282		
266	660				12.6	83°46'	+71.2	+58.6			TP						
	660		305°57'-180°	-13.5°	+14.5	91°10'	+13.4	+27.9	1325.2		BS	-252+3	+610-2				
	660				+12.5	91°20'	+15.4	+27.9			BS						
267	481		305°53'	-13.5°	14.4	-		-14.4		1310.8		+183	-445	263,741	365,445	T-rod (me)	
267	330		305°57'	-13.5°	10.2	-		-10.2		1315.0		+126	-305	263,684	365,585		
268	0				5.4	-		-5.4		1319.8	π	0	0	263,558	365,890		
269	334	332.7	135°32'	-13.5°	0.2	85°-	+29.0	+28.8		1354.0	TP	-176+3	+282-2	263,385	366,170		
269	334				6.0	84°-	+34.7	+28.7			TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-15-81	INSTRUMENT MAN G. Cotcamp	ROD MAN T. Grady	PARTY NUMBER 6834	NOTES CHECKED BY TG	LINE NO. 6	PAGE 29
AREA New Hampshire	TOPO MAP Lovell Mountain	STATE New Hampshire	COUNTY Sullivan	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			
269										1354.0								
	402	401.	332°33'-180°	-13.5°	+13.4	94°-	+28.0	+41.4	1395.4		BS	-303+3	+263.2					
	402				+14.6	93°50'	+26.8	+41.4		BS								
270	72		319°0'	-13.5°	11.7	-	-	-11.7		1383.7		+42	-59	263,127	366,372			
π	0				5.4	-	-	-5.4		1390.0	π	0	0	263,085	366,431			
271	251	250.	101°49'	-13.5°	3.3	85°-	+21.8	+18.5			TP	+7+3	+250-2	263,095	366,679			
271	251				0.3	85°40'	+18.9	+18.6		TP								
	329	328.4	265°50'-180°	-13.5°	+14.3	93°28'	+19.9	+34.2	1448.2		BS	+100+3	+313-2					
	329				+11.3	94°-	+22.9	+34.2			BS							
272	0				5.4	-	-	-5.4		1442.8	π	0	0	263,198	366,990			
TP	230	228.3	111°16'	-13.5°	11.2	83°-	+27.8	+16.6			TP	-31+3	+226-2	263,170	367,214			
TP	230				7.2	84°-	+23.9	+16.7		TP								
	117		342°32'-180°	-13.5°	+14.4	91°-	+2.0	+16.4	1481.4		BS	-100+3	+60-2					
	117				+12.4	92°-	+4.1	+16.5		BS								
273	0				5.4	-	-	-5.4		1476.0	π	0	0	263,073	367,272			
274	333		192°12'	-13.5°	1.3	85°-	+28.9	+27.6		1509.0		-333	+8	262,740	367,280			
275	663	659.4	192°12'	-13.5°	9.6	84°-	+68.9	+59.3			TP	-659+3	+15-2	262,417	367,285			
275	663				3.9	84°30'	+63.3	+59.4		TP								
	660	657.5	15°21'+180°	-13.5°	+4.7	95°-	+57.3	+62.0	1602.8		BS	-657+3	-21-2					
	660				+2.7	95°10'	+59.2	+61.9			BS							
276	330		15°21'	-13.5°	11.7	95°-	+28.7	+17.0		1619.8		+330	+11	262,093	367,273			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-15-81		G. Cotcamp		T. Grady		6834		TG New		6		30			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
New Hampshire		Lovewell Mountain		New Hampshire		Sullivan								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
									1602.8						
277	0				5.4	-		-5.4		1597.4	π	0	0	261,763	367,262
278	330	327.5	185°29'	-13.5°	2.8	83°-	+39.9	+37.1			TP	-324+3	+46	261,442	367,308
278	330				0.5	83°24'	+37.7	+37.2		1640.0	TP				
	280	278.5	331°05'-180°	-13.5°	+10.9	96°-	+29.1	+40.0			BS	-206+3	+188.2		
	280				+13.4	95°30'	+26.7	+40.1	1680.1		BS				
π	0				5.4	-		-5.4		1674.7	π	0	0	261,239	367,494
279	46		130°0'	-13.5°	1.0	-		-1.0		1679.1		-21	+41	261,218	367,535
280	376	374.6	120°42'	-13.5°	4.6	85°-	+32.6	+28.0		1708.1	TP	-111+3	+358.2	261,131	367,850
280	376				1.4	85°30'	+29.4	+28.0			TP				
	334		304°01'-180°	-13.5°	+11.5	91°-	+5.8	+17.3			BS	-117+3	+313-2		
	334				+13.5	90°40'	+3.9	+17.4	1725.5		BS				
281	0				8.54	-		-5.4		1720.1	π	0	0	261,017	368,161
282	330		137°18'	-13.5°	12.0	-		-12.0		1713.5		-184	+274	260,833	368,435
283	660		" "	"	8.1	91°-	-11.5	-19.6		1705.9		-367	+548	260,650	368,709
284	990		" "	"	4.0	91°-	-17.3	-21.3		1704.2		-551	+823	260,466	368,984
285	1170		137°20'	-13.5°	8.6	90°30'	-10.2	-18.8		1706.7		-651	+972	260,366	369,133 T-rd (nc)
285	1320		137°18'	-13.5°	14.6	90°50'	-19.2	-25.2			TP	-734+3	+1097.2	260,286	369,256
285	1320				13.6	90°30'	-11.5	-25.1		1700.4	TP				
	330		314°56'-180°	-13.5°	+1.5	87°-	-17.2	-15.7	1684.7		BS	-172+3	+281-2		
	330				+4.4	86°30'	-20.1	-15.7			BS				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
7-16-81		G. Cotcamp		T. Grady		6834		TG JAW				31				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
New Hampshire		Lovell Mountain		New Hampshire		Sullivan										
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
									1684.7							
286	98		317° 47'	-13.5°	2.7	87° -	-5.1	-2.4		1687.1		+55	-81	260,172	369,454	260,160 + 369,465 T-rd (sw)
287	0				5.4	-		-5.4		1684.1	π	0	0	260,117	369,535	
288	330		142° 05'	-13.5°	12.0	94° 20'	-24.9	-36.9		1647.8		-206	+258	259,911	369,793	
289	660		" "	"	11.0	94° 20'	-49.7	-60.7		1624.0		-412	+516	259,705	370,051	
290	990		" "	"	10.3	94° 20'	-24.6	-34.9		1599.8		-617	+774	259,500	370,309	
290	1320	1317.3	141° 10'	-13.5°	10.2	93° 40'	-84.2	-94.4			TP	-805+3	+1043-2	259,315	370,576	
	1320				13.9	93° 30'	-80.4	-94.3		1590.4	TP					
	1325		328° 56' -180°	-13.5°	+5.9	89° 20'	-11.4	-9.5	1580.9		BS	-944+3	+930-2			
	1325				+9.7	89° 10'	-11.5	-9.6			BS					
291	990		328° 56'	-13.5°	2.0	-		-7.0		1578.9		+705	-695	259,079	370,809	
292	935		329° 42'	-13.5°	2.1	-		-7.1		1578.8		+675	-647	259,049	370,857	259,080 + 370,860 T-rd (ne) el. 1580
293	660		328° 56'	-13.5°	1.4	-		-1.9		1579.5		+470	-463	258,844	371,041	
294	330		" "	"	6.0	-		-6.2		1574.9		+235	-232	258,609	371,272	
295	0				5.4	-		-5.7		1575.5	π	0	0	258,374	371,504	
296	330		149° 52'	-13.5°	11.6	-		-4.6		1569.3		-239	+228	258,135	371,732	
297	660		" "	"	12.2	-		-15.2		1568.7		-478	+455	257,816	371,959	
297	990		149° 42'	-13.5°	12.4	BH	-5.0	-12.9		1563.5	TP	-715	+685-2	257,659	372,187	
297	990				14.5	90° 10'	-2.9	-12.9			TP					
	660		332° 45' -180°	-13.5°	+2.6	TH	-3.3	-0.7	1562.8		BS	-500	+431-2			
	660				+5.1	89° 30'	-5.8	-0.7			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-16-81	INSTRUMENT MAN G. Catcamp		ROD MAN T. Grady		PARTY NUMBER 6834		NOTES CHECKED BY TG rlu		LINE NO. 6	PAGE 32
AREA New Hampshire	TOPO MAP Lovewell Mountain	STATE New Hampshire	COUNTY Sullivan		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 -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									1562.8							
298	330		331°07'	-13.5°	7.7	-	-7.7			1555.1		+244	-222	257,403	372,394	
299	0				5.4	-	-5.4			1557.4	π	0	0	257,159	372,616	
300	330		149°05'	-13.5°	12.5	92°-	-11.5	-24.0		1538.8		-236	+231	256,923	372,847	
301	660		" "	"	12.0	92°-	-23.0	-35.0		1527.8		-471	+162	256,688	373,078	
302	990		149°05'	-13.5°	13.6	91°10'	-20.2	-33.8			TP	-707	+693	256,452	373,307	
302	990				10.7	91°20'	-23.0	-33.7		1529.1	TP					
	330		319°36'-180°	-13.5°	+4.7	-	+4.7		1533.8		BS	-194	+267.2			
	330				+6.3	TH	-1.7	+4.7			BS					
303	0				5.4	-	-5.4			1528.4	π	0	0	256,258	373,572	
304	330		144°43'	-13.5°	9.2	91°-	-5.8	-15.0		1518.8		-217	+248	256,041	373,820	
305	660		" "	"	3.8	-	-3.8			1530.0		-435	+496	255,823	374,068	
306	990		144°43'	-13.5°	5.1	88°40'	+23.0	+17.9		1551.7	TP	-652	+745	255,606	374,315	
306	990				0.5	88°56'	+18.4	+17.9			TP					
	330		320°29'-180°	-13.5°	+8.2	-	+8.2				BS	-199	+264.2			
	330				+9.9	TH	-1.7	+8.3	1560.0		BS					
307	0				5.4	-	-5.4			1554.6	π	0	0	255,407	374,577	horiz. verred. y=+60'
308	330		132°49'	-13.5°	8.5	95°-	-28.7	-37.2		1522.8		-162	+288	255,245	374,865	y=-50'
308	527	525.7	132°49'	-13.5°	8.8	94°-	-36.7	-45.5		1514.5		-257	+458	255,150	375,035	1-rd
309	661	659.8	133°01'	-13.5°	5.9	93°30'	-40.3	-46.1			TP	-325	+574	255,082	375,151	
309	661				11.6	93°-	-54.5	-46.1		1513.9	TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-16-81		G. Cotcamp		T. Grady		6834		Gwl jlu		6	33						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New Hampshire		Lovewell Mountain		New Hampshire	Sullivan					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		
309										1513.9							
	660	659.6	321°05'-180°	-13.5°	+10.4	92° -	+23.0	+33.4	1547.3		BS	-402	+523				
	660				+10.1	92° 2'	+23.4	+33.5			BS						
310	330		321°05'	-13.5°	8.5	93° -	-17.2	-25.7		1521.6		+201	-262	254,881	375,412		
311	0				5.9	-		-5.4		1541.9	TP	0	0	254,680	375,674		
312	330		143°37'	-13.5°	9.0	85° -	+28.7	+19.7		1567.0		-213	+252	254,467	375,926		
313	660		"	"	12.2	84° -	+68.6	+56.4		1603.7		-425	+505	254,255	376,179		
314	990	985.4	143°37'	-13.5°	4.4	84°30'	+34.4	+90.0		1637.3	TP	-635	+754	254,045	376,428		
314	990				4.3	84°32'	+93.9	+81.6			TP						
	980 990	988.0	322°40'-180°	-13.5°	+13.3	93°40'	+15.2	+76.5	1713.8		BS	-624	+766				
	980 990				+12.5	93°42'	+63.8	+76.8			BS						
315	660		322°40'	-13.5°	8.5	93°20'	-38.3	-46.8		1667.0		+417	-512	253,838	376,682		
316	330		"	"	10.3	92°20'	-13.4	-23.7		1690.1	TP	+208	-256	253,629	376,938		
317	0				5.4	-		-5.4		1708.4	TP	0	0	253,421	377,194		
318	330		143°32'	-13.5°	9.5	88° -	+11.5	+2.0		1715.8		-212	+253	253,209	377,447		
319	660		"	"	5.9	89° -	+11.5	+5.6		1719.4		-425	+505	252,996	377,699		
320	990		"	"	2.0	89° -	+17.3	+14.3		1729.1		-637	+758	252,784	377,952		
321	1320		143°32'	-13.5°	7.9	88°30'	+34.5	+26.6		1740.4	TP	-849	+1010	252,572	378,209		
321	1320				7.2	88°32'	+33.8	+26.6			TP						
	325		316°03'-180°	-13.5°	+11.7	91° -	+5.7	+17.4	1757.8		BS	-175	+274				
	325				+11.5	91°2'	+5.9	+17.4			BS						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-16-81		G. Catcamp		T. Grady		6834		CWC		6	34					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
New Hampshire		Lowell Mountain		New Hampshire	Sullivan					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	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									1757.8							
322	0				5.4	-		-5.4		1752.4	TP	0	0	252,297	378,478	
323	330		116°06'30"	-13.5°	9.1	87°-	+17.2	+8.1		1765.9		-72	+322	252,325	378,800	
324	660		116°06'30"	-13.5°	5.9	88°-	+23.0	+17.1		1774.9	TP	-144	+644	252,253	379,122	
324	660				5.5	88°02'	+22.6	+17.1			TP					
	660		291°0'-180°	-13.5°	+7.2	89°-	-11.5	-4.3			BS	-86	+654			
	660				+6.9	89°02'	-11.1	-4.2	1770.7		BS					
325	330		291°0'	-13.5°	8.9	89°-	+5.8	-3.1		1767.6		+43	-327	252,210	379,449	
326	0				5.4	-		-5.4		1765.3	TP	0	0	252,167	379,776	
327	323	322.5	131°51'	-13.5°	5.0	86°48'	+18.0	+13.0		1783.7	TP	-153	+284	252,014	380,060	
327	323				5.9	86°38'	+18.9	+13.0			TP					
	519	517.4	354°38'-180°	-13.5°	+13.2	94°30'	+40.6	+53.8	1837.5		BS	-490	+167			
	519				+8.7	95°-	+45.1	+53.8			BS					
328	190		347°28'	-13.5°	10.2	95°-	-16.5	-26.7		1810.8		+171	-83	251,695	380,144	
	TP	0			5.4	-		-5.4		1832.1	TP	0	0	251,524	380,227	
329	136		124°44'	-13.5°	2.8	-		-2.8		1834.7		-49	+127	251,975	380,354	
330	466		"	"	11.4	BH	-2.3	-13.7		1823.8		-169	+434	251,355	380,661	
331	796		122°34'	-13.5°	5.6	91°-	-13.9	-19.5		1818.0	TP	-260	+752	251,264	380,979	
331	796				10.3	90°40'	-9.3	-19.6			TP					
	337	335.0	308°16'-180°	-13.5°	+8.1	83°46'	-36.9	-28.8	1789.2		BS	-140	+304			
	337				+10.0	83°20'	-38.9	-28.9			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-17-81		G. Cotcamp		T. Grady		6834		G.W.C. <i>slw</i>		6	35						
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER							
New Hampshire		Louewell Mountain	New Hampshire	Sullivan						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		
									1789.2								
332	0				5.4	-		-5.4		1783.8	π	0	0	251,124	381,283	π opposite station	
333	335		164°42'	-13.5°	11.9	95°-	-29.1	-41.0		1748.2		-294	+161	250,830	381,444		
334	665	662.5	162°56'	-13.5°	4.9	95°-	-57.7	-62.6		1726.6	TP	-570	+337.2	250,551	381,622		
334	665				10.4	94°32'	-52.4	-62.8			TP						
	660	658.8	340°17'180°	-13.5°	+2.6	86°30'	-40.2	-37.6	1689.0		BS	-551.2	+361.2				
	660				+0.7	86°40'	-38.3	-37.6			BS						
335	330		339°13'	-13.5°	1.3	87°-	+17.2	+15.9		1704.9		+273	-186	250,278	381,799		
336	0				5.4	-		-5.4		1683.6	π	0	0	250,005	381,985		
337	330		156°0'	-13.5°	12.7	95°-	-28.7	-41.4		1647.6		-262	+201	249,723	382,186		
338	660		153°25'	"	9.5	96°30'	-74.2	-83.7		1605.3		-505	+425	249,500	382,410		
339	995	990.1	150°30'	-13.5°	12.0	95°40'	-97.8	-109.8		1579.2	TP	-724.2	+675.2	249,223	382,662		
339	995				14.9	95°30'	-94.9	-109.8			TP						
	990		334°02'180°	-13.5°	+5.7	88°56'	-18.4	-12.7	15665		BS	-764.2	+629.1				
	990				+10.3	88°40'	-23.0	-12.7			BS						
340	660		334°02'	-13.5	8.7	88°40'	+15.4	+6.7		1573.2		+510	-420	249,031	382,823		
341	330		" "	"	3.2	89°-	+5.8	+2.6		1569.1		+255	-210	248,776	383,083		
342	0				5.4	-		-5.4		1561.1	π	0	0	248,521	383,293		
343	330		153°33'	-13.5°	12.8	-		-12.8		1553.7		-253	+212	248,268	383,505		
344	660		" "	-13.5°	11.1	BH	-3.3	-14.4		1552.1		-506	+424	248,015	383,717		
345	1320 990		" "	-13.5°	11.0	BH	-5.0	-16.0		1550.5		-759	+636	247,762	383,929		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-17-81	INSTRUMENT MAN G. Cotcamp	ROD MAN T. Grady	PARTY NUMBER 6834	NOTES CHECKED BY GWC JLD	LINE NO. 6	PAGE 36	
AREA New Hampshire	TOPO MAP Lovewell Mountain	STATE New Hampshire	COUNTY Sullivan	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	
									15665							
346	1320		153°37'	-13.5°	4.8	90°40'	-15.4	-20.2		1546.3	TP	-1013.2	+846.2	247,510	384,141	Town of Washington
346	1320				1.0	90°50'	-19.2	-20.2			TP					↓
	658		317°41'180°	-13.5°	+0.7	89°-	-11.5	-10.8			BS	-370.2	+54.2			
	658				+4.6	88°40'	-15.3	-10.7	1535.6		BS					
✓	510		316°09'	-13.5°	1.2	89°-	+8.9	+7.7		1543.3		+275	-429	247,417	384,258	P-intersect
347	330		315°25'	-13.5°	2.5	89°-	+5.8	+3.3		1538.9'		+174	-280	247,316	384,407	
348	0				5.4	-		-5.4		1530.2	π	0	0	247,112	384,687	
349	330		135°44'	-13.5°	9.7	92°-	-11.5	-21.2		1514.4		-176	+279	246,966	384,966	
350	661		138°20'	-13.5°	12.9	92°-	-23.1	-36.0			TP	-377.2	+542.2	246,767	385,231	
350	661				14.8	91°50'	-21.1	-35.9		1499.7	TP					
	660	658.9	333°46'180°	-13.5°	+1.7	86°40'	-38.3	-36.6			BS	-507.2	+421.2			
	660				+3.7	86°30'	-40.2	-36.5	1463.2		BS					
351	330		331°22'	-13.5°	5.1	87°-	+17.2	+12.1		1475.3		+245	-221	246,507	385,433	
352	0				5.4	-		-5.4		1457.8	π	0	0	246,262	385,654	
353	330		150°40'	-13.5°	12.3	94°-	-23.0	-35.3		1427.9		-242	+224	246,020	385,878	
⋈	600	597.7	149°39'	"	12.5	95°-	-52.1	-64.6		1398.6		-431	+414	245,831	386,068	T-rd (sw)
354	660		150°40'	"	13.2	95°-	-57.3	-70.5		1392.7		-484	+449	245,778	386,103	
355	990		"	"	5.2	95°-	-86.0	-91.2		1372.0		-726	+673	245,536	386,327	
356	1320		"	-13.5°	8.7	94°-	-91.9	-100.6		1362.6		-968	+897	245,294	386,551	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-17-81	INSTRUMENT MAN G. Cotcamp	ROD MAN T. Grady	PARTY NUMBER 6834	NOTES CHECKED BY Gwf. nlu	LINE NO. 6	PAGE 37
AREA New Hampshire	TOPO MAP Lowell Mountain	STATE New Hampshire	COUNTY Sullivan	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.	
									14632					
357	1650	1647.7	149° 41'	-13.5°	11.0	93°	-86.2	-97.2		1366.0	TP	-1189.2	+1141.2	245,075 386,797
357	1650				14.0	92° 54'	-83.4	-97.4			TP			
	660		335° 01' -180°	-13.5°	+0.7	711	-3.3	-2.6	1363.4		BS	-517.2	+411.2	
	660				+3.2	89° 30'	-5.8	-2.6			BS			
358	330		335° 01'	-13.5°	6.8	-		-6.8		1356.6		+258	-205	244,218 387,005
359	0				5.4	-		-5.4		1358.0	π	0	0	244,560 387,210
360	330		164° 27'	-13.5°	3.8	-		-3.8		1359.6		-288	+160	244,572 387,370 Horiz. correct. YE=416 X=427
361	660		" "	"	5.8	-		-5.8		1357.6		-577	+320	243,983 387,530
362	977		163° 23'	"	3.5	-		-3.5		1359.9		-845	+490	243,715 387,700 Trd (incl. 1360)
362	990		164° 27'	"	3.6	-		-3.6		1359.8		-865	+481	243,695 387,691
363	1320		" "	"	3.8	-		-3.8		1359.6		-1154	+641	243,426 387,851
364	1650		162° 55' 30"	-13.5°	7.3	711	+8.3	+1.0		1364.4	TP	-1421.2	+839	243,141 388,049
364	1650				3.8	89° 50'	+4.8	+1.0			TP			
	660		341° 43' -180°	-13.5°	+12.5	87° 40'	-26.8	-14.3			BS	-561.2	+347	
	660				+14.3	87° 30'	-28.8	-14.4	1350.0		BS			
365	330		343° 28'	-13.5°	3.2	87° 30'	+14.4	+11.2		1361.2		+286	-165	242,868 388,231
366	0				5.4	-		-5.4		1344.6	π	0	0	242,582 388,396
367	330		168° 0'	-13.5°	9.7	-		-9.7		1340.3		-298	+142	242,284 388,538
368	660		" "	"	12.1	-		-12.1		1337.9		-596	+284	244,986 388,680
369	990		166° 17'	-13.5°	9.2	89°	+17.3	+8.1		1358.1		-880	+453	241,702 388,849

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-17-81		G. Cotcamp		T. Grady		6834		TG		6		38			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
New Hampshire		Lovewell Mountain		New Hampshire		Sullivan								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
									1350.0						
370	1320		164°49'	-13.5°	13.7	88°-	+46.0	+32.3			TP	-1157.2	+633	241,427	389,029
370	1320				5.9	88°20'	+38.4	+32.5		1382.5	TP				
	660		336°37'-180°	-13.5°	+11.3	91°-	+11.5	+22.8			BS	-528.2	+396		
	660				+13.3	90°50'	+9.6	+22.9	1405.4		BS				
371	330		333°10'	-13.5°	6.3	-	-	-6.3		1399.1		+252	-214	241,153	389,211
372	0				5.4	-	-	-5.4		1400.0	π	0	0	240,901	389,425
373	330		149°26'	-13.5°	4.0	-	-	-4.0		1401.4		-237	+230	240,664	389,655
374	660		" "	"	6.6	89°-	+11.5	+4.9		1410.3		-474	+459	240,427	389,884
375	990		" "	"	6.7	89°30'	+8.6	+1.9		1407.3		-711	+689	240,190	390,114
376	1320		147°10'	-13.5°	7.1	88°40'	+30.7	+23.6		1429.0	TP	-911.2	+955	239,992	390,380
376	1320				1.7	88°54'	+25.3	+23.6			TP				
	990		320°19'-180°	-13.5°	+12.7	91°-	+17.3	+30.0			BS	-593.2	+792		
	990				+14.5	90°54'	+15.6	+30.1	1459.1		BS				
377	660		320°19'	-13.5°	11.3	91°-	-11.5	-22.8		1436.3		+396	-528	239,797	390,644
378	330		" "	"	12.0	84	-1.7	-13.7		1445.4		+198	-264	239,599	390,908
379	0				5.4	-	-	-5.4		1453.7	π	0	0	239,401	391,172
380	340		135°24'	-13.5°	12.9	-	-	-12.9		1446.2	TP	-180.2	+289	239,223	391,461 T.P. opposite sta.
380	340				11.2	84	-1.7	-12.9			TP				
	343	342	352°53'-180°	-13.5°	+1.0	85°50'	-24.9	-23.9			BS	-320.2	+120		
	343				+3.0	85°30'	-26.8	-23.8	1422.4		BS				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE			
7/23/81		G. Cotcamp		J. Grady		6834		TG edw			6		39			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
New Hampshire		Lovell Mountain		New Hampshire		Sullivan								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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									1422.4							
381	0				5.4	-		-5.4		1417.0	π	0	0	238,905	391,581	
382	331	330.6	194°26'	-13.5°	10.8	93°-	-17.3	-28.1		1394.3	TP	-331+2	-5	238,576	391,576	
382	331				13.7	92°30'	-14.4	-28.1			TP					
	656	654.5	336°40' -180°	-13.5°	+4.9	86°08'	-44.1	-39.2			BS	-524+2	+392			
	656				+9.9	85°42'	-49.0	-39.1	1355.2		BS					
383	330		331°22'	-13.5°	2.2	89°-	+5.8	+3.6		1358.8		+245	-221	238,299	391,747	
384	0				5.4	-		-5.4		1349.8	π	0	0	238,054	391,968	
385	335		135°12'	-13.5°	10.7	-		-6.7		1344.5	TP	-176+2	+285	237,880	392,253	
385	335				9.0	BH	-1.7	-10.7			TP					
	490	486.4	329°26' -180°	-13.5°	+6.7	83°-	-59.3	-52.6	1291.9		BS	-349+2	+338			
	490				+2.4	83°30'	-55.1	-52.7			BS					
386	160		328°0'	-13.5°	4.2	84°-	+16.6	+12.4		1304.3		+112	-114	237,645	392,477	
387 π	0				5.4	-		-5.4		1286.5	π	0	0	237,533	392,591	
387	170		134°38'	-13.5°	10.2	93°-	-8.9	-13.1		1272.8		-88	+146	237,445	392,737	
388	500	498.8	134°38'	-13.5°	7.9	94°-	-34.8	-42.7		1249.2	TP	-258+2	+427	237,277	393,018	
388	500				13.7	93°20'	-29.0	-42.7			TP					
	660		326°53' -180°	-13.5°	+0.3	87°22'	-30.3	-30.0	1219.2		BS	-453+2	+479			
	660				+1.4	87°16'	-31.4	-30.0			BS					
≡	488		327°02'	-13.5°	2.4	88°-	+17.0	+14.6		1233.8		+336	-354	237,162	393,143	Trd (Sw)
389	330		325°0'	-13.5°	1.3	TH	+1.7	+0.4		1219.6		+219	-247	237,045	393,250	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/23/81	INSTRUMENT MAN G. Cotcamp	ROD MAN T. Grady	PARTY NUMBER 6834	NOTES CHECKED BY TG	LINE NO. 6	PAGE 40
AREA New Hampshire	TOPO MAP Lowell Mountain	STATE New Hampshire	COUNTY Sullivan	TWP	RANGE	PPM
				PARTY MANAGER L. Daviz		

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.	
									1219.2					
390	0				5.4	-	-5.4			1213.8	T	0	0	236,826 393,497
TP 391	327		114° 34'	-13.5°	9.0	93°	-12.1	-26.1		1193.1	TP	-63	+320	236,763 393,817
TP 391	327				10.9	92° 40'	-15.2	-26.1			TP			
	332		274° 13' - 180°	-13.5°	+0.5	TH	-1.7	-1.2			BS	+54	+328	
	332				+4.7	89°	-5.8	-1.1	1192.0		BS			
392	0				5.4	-	-5.4			1186.6	T	0	0	236,817 394,145
393	330		113° 13'	-13.5°	3.3	89°	+5.8	+2.5		1194.5		-56	+325	236,761 394,470
394	663		113° 13'	-13.5°	4.6	88° 44'	+14.7	+10.1		1202.1	TP	-112	+653	236,725 394,798
394	663				6.1	88° 36'	+16.2	+10.1			TP			
	332		311° 22' - 180°	-13.5°	+9.3	87°	-17.4	-8.1			BS	-155	+293	
	332				+8.4	87° 10'	-16.4	-8.0	1194.1		BS			
395	0				5.4	-	-5.4			1188.7	T	0	0	236,550 395,091
396	330		125° 0'	-13.5°	11.8	94°	-23.0	-34.8		1159.3		-121	+307	236,429 395,398
397	660		122° 25'	-13.5°	10.0	93°	-34.5	-44.5		1149.6		-214	+624	236,336 395,715
398	990		121° 03' 30"	-13.5°	6.9	92° 30'	-43.1	-50.0		1144.1	TP	-298	+943	236,252 396,034
398	990				4.0	92° 40'	-46.0	-50.0			TP			
	990		291° 53' - 180°	-13.5°	+0.8	-	+0.8		1144.9		BS	-144	+979	
	990				+5.7	TH	-5.0	+0.8			BS			
X	905		292° 17'	-13.5°	7.4	-	-7.4			1137.5		+138	-894	236,246 396,119
399	660		291° 53'	-13.5°	8.7	91°	-11.5	-20.2		1124.7		+96	-653	236,204 396,360

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7/23/81		G. Cotcamp		T. Grady		6834		TG		6		41			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
New Hampshire		Lovewell Mountain		New Hampshire		Sullivan								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
									1144.9						
400	330		291°53'	-13.5°	8.1	92°	-11.5	-19.6		1125.3		+48	-326	236,156	396,687
401	0				5.4	-		-5.4		1139.5	π	0	0	236,108	397,013
402	330		122°30'	-13.5°	3.5	89°	+5.8	+2.3		1147.2	TP	-107	+312	236,001	397,325
402	330				0.6	89°30'	+7.9	+2.3			TP				
	660		294°22'-180°	-13.5°	+7.5	87°30'	-28.8	-21.3			BS	-124	+648		
	660				+11.4	87°10'	-32.6	-21.2	1126.0		BS				
403	330		290°19'	-13.5°	4.7	87°	+17.2	+12.5		1113.5		+39	-328	235,916	397,695
404	0				5.4	-		-5.4		1120.6	π	0	0	235,877	397,973
405	329		91°53'	-13.5°	14.1	92°	-11.5	-25.6		1100.4	TP	+66	+322	235,943	398,295
405	329				12.2	92°20'	-13.4	-25.6			TP				
	660	657.5	263°48'-180°	-13.5°	+10.5	85°	-57.3	-46.8	1053.6		BS	+222	+619		
	660				+9.0	85°08'	-55.8	-45.8			BS				
406	330		263°48'	-13.5°	3.3	85°	+28.7	+25.4		1079.0		-111	+311	236,054	398,603
407	0				5.4	-		-5.4		1048.2	π	0	0	236,165	398,914
408	330		83°50'	-13.5°	13.1	93°	-17.1	-30.3		1023.3	TP	+111	+310	236,276	399,224
408	330				10.2	93°30'	-20.1	-30.3			TP				
	665		284°19'-180°	-13.5°	+10.2	88°	-23.2	-13.0	1010.3		BS	-9	+665		
	665				+7.5	88°14'	-20.5	-13.0			BS				
409	335		282°27'	-13.5°	3.1	88°	+11.7	+8.6		1018.9		-6	-335	236,261	399,554
410	0				5.4	-		-5.4		1004.9	π	0	0	236,267	399,889

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7/23/81		C. Cotcamp		T. Grady		6834		TG J.S.W.		6	42					
AREA		TOPO MAP	STATE	COUNTY		RANGE	PPM	PARTY MANAGER								
New Hampshire		Lovewell Mountain	New Hampshire	Sullivan Hillsborough				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	
									1010.3							
411	342		130°26'	-13.5°	3.3	92°	-11.9	-15.2		995.1	TP	-155+2	+305+	2236,114	400,196	
411	342				9.2	91°	-6.0	-15.2			TP					
	334		343°55'-180°	-13.5°	+5.8	88°	-11.6	-5.8	989.3		BS	-290	+165+			horiz. correct. y = +30 x = +3
	334				+2.9	88°30'	-8.7	-5.8			BS					
1E	303		341°16'	-13.5°	3.0	88°30'	+7.9	+4.9		994.2		+256	-162	236,080	400,200	236,080 + 400,200 T-rod (cast) el. 995
412	0				5.4	-		-5.4		983.9	π	0	0	235,824	400,362	
413	330		141°19'	-13.2°	2.0	-		-2.0		987.3		-204	+260	235,200	400,322	
414	654		136°32'	-13.2°	7.7	-		-7.7		981.6	TP	-359-2	+543+2	235,165	400,917	
414	654				11.0	TH	+3.3	-7.7			TP					
	990		316°32'-180°	-13.2°	+0.6	-		+0.6	982.2		BS	-511-2	+922+			
	990				+5.6	TH	-5.0	+0.6			BS					
415	660		316°32'	-13.2°	4.7	-		-4.7		977.5		+363	-551	235,222	400,190	
416	330		" "	" "	8.5	-		-8.5		973.7		+181	-276	235,298	400,135	
417	0				5.4	-		-5.4		976.8	π	0	0	234,817	400,171	
418	330		129°28'	-13.2°	8.8	-		-8.8		973.4		-146	+296	234,771	400,287	↑
419	660		" "	" "	9.2	-		-9.2		973.0		-292	+592	234,825	400,332	Sullivan Co.
420	990		127°26'	-13.2°	8.4	-		-8.4		973.8	TP	-406-2	+902+	234,509	400,647	Hillsborough Co.
420	990				3.4	OH	-5.0	-8.4			TP					↓
	985		295°42'-180°	-13.2°	+6.4	OH	+5.0	+11.3	985.1		BS	-213-2	+962+			
	985				+5.6	90°20'	+5.7	+11.3			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7/23/81		G. Cotcamp		T. Grady		6834		TG <i>See</i>		6	43						
AREA		TOPO MAP		STATE		COUNTY		RANGE	PPM	PARTY MANAGER							
New Hampshire		Lovewell Mountain		New Hampshire		Hillsborough				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		
									985.1								
421	660		292°56'	-13.2°	9.8	-		-9.8		975.3		+112	-357	234105	402,961		
422	330		" "	"	10.6	-		-10.6		974.5		+56	-325	234105	403,287		
423	0				5.4	-		-5.4		979.7	π	0	0	234224	403,612		
424	323		87°29'	-13.2°	7.3	-		-7.3		977.8	TP	+87.2	+21.43	234107	403,926		
424	323				8.9	TH	+1.6	-7.3			TP						
	330		268°16'-180°	-13.2°	+0.7	-		+0.7	978.5		BS	+85.2	+21.43				
	330				+2.4	TH	-1.7	+0.7			BS						
425	0				5.4	-		-5.4		973.1	π	0	0	234103	404,248		
426	268		93°43'	-13.2°	2.4	89°-	+4.7	+2.3		980.8		+24	+234	234104	404,512	trail el. 984	
426	330		97°17'	-13.2°	2.0	TH	+1.7	-0.4		978.1		+34	+322	234107	404,576		
427	660		97°17'	-13.2°	5.2	88°44'	+14.6	+9.4		987.9	TP	+32.2	+356	234529	404,907		
427	660				7.1	88°34'	+16.5	+9.4			TP						
	1320		281°00'20"-180°	-13.2°	+0.5	TH	-6.6	-6.1	981.8		BS	+51	+15.43				
	1320				+5.4	89°30'	-11.5	-6.1			BS						
428	990		281°0'	-13.2°	2.0	TH	+5.0	+3.0		984.8		+38	+982	234102	405,240		
429	660		"	"	1.3	-		-1.3		980.5		+24	+260	234556	405,569		
430	330		"	"	5.0	-		-5.0		976.8		+13	+370	234557	405,899		
431	0				5.4	-		-5.4		976.4	π	0	0	234520	406,229		
432	330		99°49'	-13.2°	6.0	-		-6.0		975.8		+19	+327	234521	406,558		
433	660		"	"	2.6	TH	+3.3	+0.7		982.5		+32	+359	234522	406,888		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.




DATE 7/24/81	INSTRUMENT MAN G. Cotcamp		ROD MAN T. Grady		PARTY NUMBER 6834		NOTES CHECKED BY TG New		LINE NO. 6	PAGE 44
AREA New Hampshire	TOPO MAP Lovewell Mountain		STATE New Hampshire	COUNTY Hillsborough		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.	
									981.8					
434	990		99° 49'	-13.2°	8.6	88° 30'	+25.9	+17.3		999.1	TP	-58	+222.3	234,158 407,220
434	990				5.8	88° 40'	+23.0	+17.2			TP			
	1320		279° 47' 180°	-13.2°	+144	BH	+6.6	+21.0	1020.1		BS	+10	+13.8	
	1320				+148	90° 16'	+6.1	+20.9			BS			
435	990		279° 47'	-13.2°	9.9	BH	-5.0	-14.9		1005.2		-58	+222.3	234,158 407,553
436	660		" "	"	9.8	-		-9.8		1010.3		-58	+222.3	234,158 407,832
437	330		" "	"	3.2	-		-3.2		1016.9		-58	+222.3	234,158 408,212
438	0		" "	"	5.4	-		-5.4		1014.7	π	0	0	234,158 408,541
439	330		120° 03'	-13.2°	9.9	91° -	-5.8	-15.7		1004.4		-58	+222.3	234,158 408,857
440	663		120° 03'	-13.2°	12.3	91° -	-11.6	-23.9			TP	-192	+384.3	234,158 409,178
440	663				14.2	90° 50'	-9.6	-23.8		996.3	TP			T.P. opposite station
	998		315° 11' 180°	-13.2°	+0.3	89° 20'	-11.6	-11.3	985.0		BS	-522	+244.3	
	998				+3.2	89° 10'	-14.5	-11.3			BS			
441	660		315° 11'	-13.2°	2.5	TH	+3.3	+0.8		985.8		+350	+50.2	234,158 409,467
442	330		" "	"	4.2	-		-4.2		980.8		+175	+222.3	234,158 409,747
443	0		" "	"	5.4	-		-5.4		979.6	π	0	0	233,996 410,027
444	330		126° 44'	-13.2°	2.8	89° -	+5.8	+3.0		988.0		-132	+17.2	233,251 410,330
445	660		" "	"	3.6	88° -	+23.0	+19.4		1004.4		-224	+145	232,712 410,632
446	990		" "	"	3.8	88° -	+34.5	+30.7		1015.7		-225	+148	232,351 410,935

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7/24/81		G. Cotcamp		T. Grady		6834		TG		6	45					
AREA		TOPO MAP		STATE	COUNTY	TWP		RANGE	PPM	PARTY MANAGER						
New Hampshire		Hillsboro		New Hampshire	Hillsborough					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 - LAT.	EAST + WEST - DEP.	COORDINATES Y X		REMARKS
									985.0							
447	1320	1319.2	126°44'30"	-13.2°	3.6	88°	+46.0	+42.4		1027.4	TP	-522	+222	232,200	411,239	
447	1320				5.9	87°54'	+48.3	+42.4			TP					
	990		306°32'180°	-13.2°	+13.7	-		+13.7			BS	-122	+222			
	990				+8.8	BH	+5.0	+13.8	1041.2		BS					
448	660		306°32'	-13.2°	9.1	-		-9.1		1032.1		+222	+222	232,200	411,545	
449	330		"		5.9	-		-5.9		1035.3		+222	+222	232,200	411,848	
450	0				5.4	-		-5.4		1035.8	π	0	0	232,200	412,151	
451	330		126°08'	-13.2°	4.6	-		-4.6		1036.6		+222	+222	232,200	412,455	
452	660		"		7.8	89°-	+11.5	+3.7		1044.9		+222	+222	232,200	412,759	
453	990		126°08'	-13.2°	10.5	88°-	+34.5	+24.0			TP	-326	+91.43	232,200	413,065	
453	990				4.7	88°20'	+28.8	+24.1		1065.3	TP					
	660		315°32'180°	-13.2°	+13.6	89°24'	-6.9	+6.7	1072.0		BS	-353	+558			
	660				+14.4	89°20'	-7.8	+6.7			BS					
⌘	560		317°14'	-13.2°	10.7	89°-	+9.8	-0.9		1071.1		+313	+222	232,651	413,162	T-rd
454	330		315°32'	-13.2°	3.1	89°-	+5.8	+2.7		1074.7		+222	+222	232,515	413,347	
455	0				5.4	-		-5.4		1066.6	π	0	0	232,338	413,626	
456	330		138°39'	-13.2°	12.9	BH	-1.7	-14.6		1057.4		+222	+222	232,147	413,895	
457	660		"		7.0	92°-	-23.0	-30.0		1042.0		+222	+222	231,955	414,164	
458	990		"		11.6	92°-	-34.5	-46.1		1025.9		+222	+222	231,764	414,432	
459	1320		"		2.8	92°-	-46.0	-48.8		1023.2		+222	+222	231,572	414,701	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE				
7/24/81		G. Cotcamp		T. Grady		6834		TG rlu			6	46				
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
New Hampshire		Hillsboro		New Hampshire	Hillsborough				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	
									1072.0							
460	1650	1649.3	138°12'22"	-13.2°	5.2	91°40'	-48.0	-53.2		1018.8	TP	-296	+135.6	231,392	419,980	
460	1650				3.3	91°44'	-49.9	-53.2			TP					
	990		312°32'180°	-13.2°	+8.0	88°-	-34.5	-26.5	992.3		BS	-485	+85.73			
	990				+2.2	88°20'	-28.8	-26.6			BS					
461	660		312°32'	-13.2°	9.3	88°-	+23.0	+13.7		1006.0		+323	-575	231,230	415,271	
462	330		" "		7.2	88°-	+11.5	+4.3		996.6		+162	-288	231,069	415,558	
463	0				5.4	-		-5.4		986.9	π	0	0	230,907	415,846	
464	330		127°19'	-13.2°	10.8	92°-	-11.5	-22.3		970.0		-135	+301	230,772	416,147	
465	660		" "		10.3	92°-	-23.0	-33.3		959.0		-270	+602	230,637	416,448	
466	990	989.4	125°27'	-13.2°	4.1	92°-	-34.5	-38.6		953.7	TP	-375	+91.3	230,532	416,765	
466	990				0.6	92°12'	-38.0	-38.6			TP					
	334		304°03'180°	-13.2°	+2.6	88°-	-11.6	-9.0	944.7		BS	-49-2	+312-2			
	334				+0.7	88°20'	-9.7	-9.0			BS					horiz. coord. yr -16 yr -60'
467	0				5.4	-		-5.4		939.3	π	0	0	230,411	417,079	
468	332		152°48'	-13.2°	4.8	-		-4.8		939.9		-253	+215	230,158	417,294	
468	455		151°50'	-13.2°	3.9	-		-3.9		940.8		-341	+301	230,070	417,380	230,070+1117380 T-rd el. 942
469	668		152°48'	-13.2°	2.6	-		-2.6		942.1	TP	-509+2	+433-2	229,904	417,510	Hillsboro Upper Village
469	668				5.9	TH	+3-3	-2.6			TP					↓
	990		336°35'180°	-13.2°	+6.1	-		+6.1	948.2		BS	-795+2	+590-2			
	990				+11.1	TH	-5.0	+6.1			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7/24/81		G. Cotcamp		T. Grady		6834		TG rdw		6	47				
AREA		TOPO MAP		STATE		COUNTY		RANGE	PPM	PARTY MANAGER					
New Hampshire		Hillsboro		New Hampshire		Hillsborough				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
									948.2						
470	660		334°41'	-13.2°	5.7	-		-5.7		942.5		+516	-411	229,627	417,687
471	330		" "	"	3.9	-		-3.9		944.3		+258	-206	229,369	417,892
472	0				5.4	-		-5.4		942.8	π	0	0	229,111	418,098
473	330		156°0'	-13.2°	14.7	-		-14.7		933.5	TP	-263+2	+200-2	228,850	418,296
473	330				13.0	BH	-1.7	-14.7			TP				
	658		320°50'-180°	-13.2°	+14.6	89°48'	-2.3	+12.3	945.8		BS	-402+2	+521-2		
	658				+14.9	89°46'	-2.7	+12.2			BS				
474	330		316°0'	-13.2°	3.2	-		-3.2		942.6		+179	-277	228,629	418,538
475	0				5.4	-		-5.4		940.4	π	0	0	228,450	418,815
476	330		131°22'	-13.2°	6.8	-		-6.8		939.0		-156	+291	228,294	419,106
477	660		" "	"	10.9	-		-10.9		934.9		-312	+582	228,138	419,397
478	990		131°22'	-13.2°	12.4	-		-12.4		933.4	TP	-467+2	+873	227,985	419,688
478	990				7.4	BH	-5.0	-12.4			TP				
	1320		305°58'-180°	-13.2°	+7.3	88°30'	-34.5	-27.2			BS	-511+2	+1217		
	1320				+5.1	88°36'	-32.2	-27.1	906.3		BS				
479	990		305°58'	-13.2°	6.2	88°30'	+25.9	+19.7		926.0		+383	-913	227,859	419,992
480	660		" "	"	4.5	88°30'	+17.3	+12.8		919.1		+255	-609	227,731	420,296
481	330		" "	"	6.0	88°30'	+8.6	+2.6		908.9		+128	-304	227,604	420,601
482	0				5.4	-		-5.4		900.9	π	0	0	227,476	420,905
483 73	330		135°54'	-13.2°	11.6	92°-	-11.5	-23.1		883.2		-178	+278	227,298	421,183

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7/25/81		G. Cotcamp		T. Grady		6834		TG		6	49					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
New Hampshire		Hillsboro		New Hampshire	Hillsborough					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	
									815.7							
497	1650	1649.3	143°19'40"	-13.2°	6.2	91°40'	-48.0	-54.2			TP	-1063	+1261	224,334	424,581	
497	1650				10.9	91°30'	-43.2	-54.1		761.6	TP					
	990		322°26'-180°	-13.2°	+15.1	88°-	-34.5	-19.4	742.2		BS	-626	+766			
	990				+14.6	88°02'	-34.0	-19.4			BS					
FF	955		323°35'	-13.2°	14.1	88°-	+33.3	+19.2		761.4		+618	-727	224,326	424,620	Rt. 31 + R+9
498	660		322°26'	"	2.0	88°-	+23.0	+21.0		763.2		+417	-511	224,125	424,836	
499	330		" "	-13.2°	2.4	88°-	+11.5	+9.1		751.3		+209	-256	223,917	425,091	
500	0				5.4	-	-	-5.4		736.8	π	0	0	223,708	425,347	
501	330		143°48'	-13.2°	8.4	92°-	-11.5	-19.9		722.3		-215	+251	223,493	425,598	
502	660		" "	"	6.7	92°-	-23.0	-29.7		712.5		-430	+501	223,278	425,848	
503	990	989.4	143°48'30"	-13.2°	2.9	92°-	-34.5	-37.4		704.8	TP	-644+2	+751-2	223,066	426,096	
503	990				14.4	91°20'	-23.0	-37.4			TP					
	990		328°58'-180°	-13.2°	+6.0	89°20'	-11.5	-5.5	699.3		BS	-709+2	+691-2			
	990				+3.1	89°30'	-8.6	-5.5			BS					
504	660		328°58'	-13.2°	3.4	-	-	-3.4		695.9		+473	-460	222,832	426,325	
505	330		" "	-13.2°	5.0	-	-	-5.0		694.3		+236	-230	222,595	426,555	
506	0				5.4	-	-	-5.4		693.9	π	0	0	222,359	426,785	
507	330		151°48'	-13.2°	0.8	TH	+1.7	+0.9		700.2		-248	+218	222,111	427,003	
508	664		151°48'	-13.2°	6.4	88°40'	+15.4	+9.0		708.3	TP	-498+2	+439-2	221,863	427,222	
508	664				4.5	88°50'	+13.5	+9.0			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7/25/81		G. Catcamp		T. Grady		6834		TG ulw		6	50					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New Hampshire		Hillsboro	New Hampshire	Hillsborough												
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	
508										708.3						
	330		339°12'-180°	-13.2°	+7.3	-		+7.3	715.6		BS	-274.2	+185			
	330				+5.6	04	+1.7	+7.3			BS					
509	0				5.4	-		-5.4		710.2	π	0	0	221,591	427,407	
510	330		150°43'	-13.2°	2.1	89°-	+5.8	+3.7		719.3		-243	+223	221,348	427,630	
511	660		" "	"	4.0	88°40'	+15.4	+11.4		727.0		-487	+446	221,104	427,853	
512	990		150°43'	-13.2°	7.9	88°40'	+23.0	+15.1			TP	-730.2	+668	220,863	428,075	
512	990				5.0	88°50'	+20.2	+15.2		730.8	TP					
	330		326°29'-180°	-13.2°	+8.3	-		+8.3	739.1		BS	-226.2	+240			
	330				+10.0	TH	-1.7	+8.3			BS					
513	0				5.4	-		-5.4		733.7	π	0	0	220,639	428,315	
514	330		153°17'	-13.2°	1.3	TH	+1.7	+0.4		739.5		-253	+212	220,386	428,527	
515	660		153°17'	-13.2°	0.6	TH	+3.3	+2.7		741.8	TP	-506.2	+424	220,135	428,739	
515	660				3.1	89°30'	+5.8	+2.7			TP					
	330		327°01'-180°	-13.2°	+14.9	-		+14.9	756.7		BS	-228.2	+238			
	330				+13.2	04	+1.7	+14.9			BS					
516	0				5.4	-		-5.4		751.3	π	0	0	219,909	428,977	
517	330		134°50'	-13.2°	8.8	92°-	-11.5	-20.3		736.4	TP	-173.2	+281	219,738	429,258	
517	330				14.6	91°-	-5.8	-20.4			TP					
	660	659.1	327°58'-180°	-13.2°	+12.3	87°-	-34.5	-22.2	714.2		BS	-464.2	+468			
	660				+6.5	87°30'	-28.8	-22.3			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
7/25/81		G. Cotcamp		T. Grady		6834		TG rlu		6		51		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
New Hampshire		Hillsboro		New Hampshire		Hillsborough						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.	
									714.2					
518	330		327°58'	-13.2°	5.5	87°-	+17.2	+11.7		725.9		+232	-234	219,508 429,492
519	0				5.4	-		-5.4		708.8	X	0	0	219,276 429,726
520	330		152°52'	-13.2°	12.1	-		-12.1		702.1		-252	+214	219,024 429,940
521	660		" "	"	12.0	BH	-3.3	-15.3		698.9		-503	+427	218,773 430,153
522	990		" "	-13.2°	11.0	90°30'	-8.6	-19.6		694.6		-755	+641	218,521 430,367
523	1320													
1/2	1312		152°34'	-13.2°	13.2	90°30'	-11.5	-24.7		689.5		-996	+854	218,280 430,580
523	1320		152°52'	"	9.5	90°40'	-15.4	-24.9		689.3		-1006	+854	218,270 430,580
524	1650		152°51'40"	-13.2°	9.8	90°40'	-19.2	-29.0		685.2	TP	-1258-2	+1068-2	218,016 430,792
524	1650				5.1	90°50'	-24.0	-29.1			TP			
	330		329°01'-180°	-13.2°	+10.1	-		+10.1			BS	-237-2	+230-2	
	330				+8.5	BH	+1.7	+10.2	695.4		BS			
525	0				5.4	-		-5.4		690.0	X	0	0	217,777 431,020
526	330		148°54'	-13.2°	7.8	92°-	-11.5	-19.3		676.1		-236	+230	217,541 431,250
527	660		148°54'	-13.2°	5.7	92°-	-23.0	-28.7			TP	-472-2	+461-2	217,303 431,479
527	660				1.8	92°20'	-26.8	-28.6		666.8	TP			
	330		338°47'-180°	-13.2°	+4.7	-		+4.7	671.5		BS	-272-2	+187-2	
	330				+6.4	TH	-1.7	+4.7			BS			
528	0				5.4	-		-5.4		666.1	X	0	0	217,029 431,664

horiz. corred. y=+39.
x=-14.
218,280 + 430,580
T-rd (nc)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
7/25/81		G. Cotcamp		T. Grady		6834		TG		6		52		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
New Hampshire		Hillsboro		New Hampshire		Hillsborough						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 A TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									671.5					
529	330		165°02'	-13.2°	7.6	-		-7.6		663.9	TP	-291-2	+156-2	216,736 431,818
529	330				9.3	TH	+1.7	-7.6			TP			
	990		352°15'-180°	-13.2°	+2.6	87°34'	-42.0	-39.4	624.5		BS	-924-2	+354-2	
	990				+5.5	87°24'	-44.9	-39.4			BS			
530	660		352°15'	-13.2°	10.5	88°-	+23.0	+12.5		637.0		+616	-236	216,426 431,934
531	330		" "	-13.2°	3.1	89°-	+5.8	+2.7		627.2		+308	-118	216,118 432,052
532	0				5.4	-		-5.4		619.1	π	0	0	215,810 432,170
IF	156		143°04'	-13.2°	14.5	BH	-0.8	-15.3		609.2		-100	+120	215,710 432,290 T-intersect Rt 202
533	318		168°46'	"	12.9	BH	-6.6	-14.5		610.0		-290	+132	215,520 432,302
534	647		173°47'	-13.2°	13.7	BH	-3.2	-16.9		607.6	TP	-610-2	+215-2	215,198 432,383 Sta. 533-540 are
534	647				15.0	90°10'	-1.9	-16.9			TP			on new road Rt 202
					3.8									
	1320		358°13'30"-180°	-13.2°	+5.1	TH	-6.6	-1.5			BS	-1275	+341-2	
	1320				+6.3	89°40'	-7.7	-1.4	606.2		BS			
535	990		358°14'	-13.2°	0.2	-		-0.2		606.0		+956	-256	214,879 432,466
536	660		" "	"	1.8	-		-1.8		604.4		+638	-170	214,561 432,552
537	330		" "	-13.2°	3.5	-		-3.5		602.7		+319	-85	214,242 432,637
538	0				5.4	-		-5.4		600.8	π	0	0	213,923 432,722
539	330		178°34'	-13.2°	6.8	-		-6.8		599.4		-319	+83	213,604 432,805
540	660		" "	-13.2°	8.5	-		-8.5		597.7		-639	+167	213,284 432,889

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN			ROD MAN			PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE			
7/25/81		G. Cotcamp			T. Grady			6834		TG			6	53			
AREA		TOPO MAP		STATE	COUNTY			TWP	RANGE	PPM	PARTY MANAGER						
New Hampshire		Hillsboro		New Hampshire	Hillsborough						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		
									606.2								
1k	785		177° 52'	-13.2°	8.3	-		-8.3		592.9		-757	+208	213,166	432,930	Y-intersect.	
541	930		170° 50'	-13.2°	12.8	-		-12.8		593.4	TP	-860	+354	213,063	433,074		
541	930				8.2	BH	-4.7	-12.9			TP						
	660		356° 49' 180°	-13.2°	+5.5	-		+5.5	598.9		BS	-633	+186				
	660				+8.8	TH	-3.3	+5.5			BS						
542	330		356° 49'	-13.2°	5.1	-		-5.1		593.8		+317	-93	212,747	433,165		
543	0				5.4	-		-5.4		593.5	π	0	0	212,430	433,258		
544	330		175° 45'	-13.2°	5.2	-		-5.2		593.7		-315	+99	212,115	433,357		
545	660		" "	"	5.1	-		-5.1		593.8		-630	+198	211,800	433,456		
546	990		175° 45'	-13.2°	5.2	-		-5.2		593.7	TP	-944	+297	211,486	433,555		
546	990				0.2	BH	-5.0	-5.2			TP						
	283		308° 52' 180°	-13.2°	+4.7	-		+4.7	598.4		BS	-123	+255				
	283				+6.1	TH	-1.4	+4.7			BS						
1k	143		307° 20'	-13.2°	1.7	-		-1.7		596.7		+58	-131	211,421	433,679	bridge	
547	0				5.4	-		-5.4		593.0	π	0	0	211,363	433,810		
1k	252		301° 43'	-13.2°	13.3	88°	+8.8	-4.5		593.9		+80	-239	211,443	433,571	211,440 + 433,520 Y-intersect.	
548	330		142° 35'	-13.2°	5.3	-		-5.3		593.1		-209	+255	211,154	434,065		
549	663		142° 35'	-13.2°	4.7	-		-4.7		593.7	TP	-421	+512	210,942	434,322		
549	663				8.0	TH	+3.3	-4.7			TP						

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7/26/81		G. Cotcamp		T. Grady		6834		TG		6	54			
AREA		TOPO MAP	STATE	COUNTY		RANGE	PPM	PARTY MANAGER						
New Hampshire		Hillsboro	New Hampshire	Hillsborough				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.	
549										593.7				
	1320		337°34'180°	-13.2°	+5.9	-		+5.9	599.6		BS	-1073	+769	
	1320				+125	TH	-6.6	+5.9		BS				
550	990		337°07'	-13.2°	5.7	-		-5.7		593.9		+800	-583	210,669 434,508
551	660		" "	"	5.0	-		-5.0		594.6		+533	-389	210,402 434,702
552	330		" "	"	5.9	-		-5.9		593.7		+267	-194	210,136 435,897
553	0				5.4	-		-5.4		594.2	TP	0	0	209,869 435,091
554	330		156°52'	-13.2°	6.1	-		-6.1		593.5		-266	+196	209,603 435,287
555	662		155°20'	-13.2°	1.3	-		-1.3		598.3	TP	-523	+406	209,346 435,497
555	990 ⁶⁶²				4.6	TH	+3.3	-1.3			TP			
	660		346°25'180°	-13.2°	+3.1	-		+3.1	601.4		BS	-589	+297	
	660				+6.4	TH	-3.3	+3.1		BS				
556	330		346°25'	-13.2°	5.1	-		-5.1		596.3		+295	-149	209,052 435,645
557	0				5.4	-		-5.4		596.0	TP	0	0	208,757 435,794
558	330		170°24'	-13.2°	3.8	-		-3.8		597.6		-304	+128	208,453 435,922
559	660		" "	"	2.1	-		-2.1		599.3		-608	+256	208,149 436,050
560	990		171°02'	-13.2°	5.6	89°50'	+2.9	-2.7		598.7	TP	-917	+374	207,840 436,168
560	990				6.2	89°48'	+3.5	-2.7			TP			
	990		9°41'+180°	-13.2°	+5.4	-		+5.4	604.1		BS	-988	+61	
	990				+10.4	TH	-5.0	+5.4		BS				
561	660		8°41'	-13.2°	4.5	-		+4.5		608.6		+658	-52	207,510 436,177

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7/26/81		G. Cotcamp		T. Grady		6834		TG		6	55			
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
New Hampshire		Hillsboro	New Hampshire	Hillsborough					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 A TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									609.1					
562	330		8°41'	-13.2°	3.5	-		-3.5		600.6		+329	-26	207,181 436,203
563	0				5.4	-		-5.4		598.7	π	0	0	206,852 436,229
564	330		186°19'	-13.2°	5.1	-		-5.1		599.0		-328	+40	206,524 436,269
565	660		" "	"	5.1	-		-5.1		599.0		-655	+79	206,197 436,308
566	990		183°56'	-13.2°	5.7	-		-5.7		598.4	TP	-977	+159	205,875 436,388
566	990				2.8	90°10'	-2.9	-5.7			TP			
	1130		357°28'-180°	-13.2°	+6.6	-		+6.6	605.0		BS	-1088	+306	
	1130				+5.2	90°4'	+1.3	+6.5			BS			
567	800		357°28'	-13.2°	7.0	-		-7.0		598.0		+770	-217	205,557 436,477
568	470		" "	"	6.6	-		-6.6		598.4		+452	-127	205,239 436,567
569	140		" "	"	5.5	-		-5.5		599.5		+135	-38	204,922 436,656
π	0				5.4	-		-5.4		599.6	π	0	0	204,787 436,694
570	190		185°50'	-13.2°	5.6	-		-5.6		599.4		-188	+24	204,599 436,718
571	520		190°23'	-13.2°	5.2	-		-5.2		599.8		-519	+26	204,268 436,720
572	848		188°58'	-13.2°	5.0	-		-5.0			TP	-846	+63	203,941 436,757
572	848				0.7	BH	-4.2	-4.9		600.1	TP			
	330		350°40'-180°	-13.2°	+4.8	-		+4.8	604.9		BS	-305	+126	
	330				+6.5	TH	-1.7	+4.8			BS			
573	0				5.4	-		-5.4		599.5	π	0	0	203,636 436,883
574	330		152°35'	-13.2°	3.8	-		-3.8		601.1		-251	+215	203,385 437,098

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7/26/81		G. Cotcamp		T. Grady		6834		TG		6		56			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
New Hampshire		Hillsboro		New Hampshire		Hillsborough								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
									604.9						
575	660		150° 21'	-13.2°	4.6	-	-4.6		600.3		TP	-484.1	+449.2	203,151	437,330
575	660				7.9	TH	+3.3	-4.6			TP				
	660		327° 12' - 180°	-13.2°	+10.0	BH	+3.3	+13.3	613.6		BS	-458	+475		
	660				+7.5	90° 30'	+5.8	+13.3			BS				
576	330		327° 12'	-13.2°	8.0	-	-8.0		605.6			+229	-237	202,922	437,568
577	0				5.4	-	-5.4		608.2		π	0	0	202,693	437,805
578	330		148° 53'	-13.2°	1.1	TH	+1.7	+0.6		614.2		-236	+231	202,457	438,036
579	662		148° 53'	-13.2°	1.1	88° 30'	+17.3	+16.2			TP	-473	+462	202,220	438,267 T-rd(east)
579	662				4.9	88° 10'	+21.2	+16.3		629.9	TP				
	330		332° 08' - 180°	-13.2°	+9.3	-	+9.3		639.2		BS	-249	+217		horiz. correct. y=-17' x=-24'
	330				11.0	TH	-1.7	+9.3			BS				
≠1	120		335° 04'	-13.2°	11.6	-	-11.6		627.6			+94	-74	202,065	438,410 202,065 + 438,410 T-rd(west) el. 629
580	0				5.4	-	-5.4		633.8		π	0	0	201,971	438,484
581	330		142° 20'	-13.2°	12.8	BH	-1.7	-14.5		624.7		-208	+256	201,763	438,740
582	660		142° 20'	-13.5°	12.6	91° -	-11.5	-24.1			TP	-414	+514	201,557	438,998
582	660				8.8	91° 20'	-15.4	-24.2		615.0	TP				
	660		321° 24' - 180°	-13.5°	+14.1	91° 10'	+13.4	+27.5	642.5		BS	-405	+521		
	660				+7.2	91° 46'	+20.3	+27.5			BS				
583	330		321° 24'	-13.5°	9.8	93° -	-17.2	-27.0		615.5		+203	-260	201,355	439,259
584	0				5.4	-	-5.4		637.1		π	0	0	201,152	439,519

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DATE		INSTRUMENT MAN			ROD MAN			PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7/26/81		G. Cotcamp			T. Grady			6834		TG		6	57			
AREA		TOPO MAP		STATE	COUNTY			TWP	RANGE	PPM	PARTY MANAGER					
New Hampshire		Hillsboro		New Hampshire	Hillsborough						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 - LAT.	EAST+ WEST - DEP.	COORDINATES Y X		REMARKS
									642.5							
585	330		135°46'	-13.5°	14.2	BH	-1.7	-15.9		626.6	TP	-176	+279	200,976	439,798	
585	330				13.0	90°30'	-2.9	-15.9			TP					
	226		317°26'780°	-13.5°	+5.5	-		+5.5	632.1		BS	-126+2	+188			
	226				+6.6	TH	-1.1	+5.5			BS					
π	0				5.4	-		-5.4		526.7	π	0	0	200,852	439,986	
586	109		172°04'	-13.5°	8.3	-		-8.3		623.8		-101	+40	200,751	440,026	
587	439		172°04'	-13.5°	0.9	-		-0.9		631.2	TP	-409+2	+160	200,945	440,146	
587	439				3.1	TH	+2.2	-0.9			TP					
	330		340°47'-180°	-13.5°	+14.4	-		+14.4	645.6		BS	-278+2	+178			
	330				+12.8	BH	+1.7	+14.5			BS					
588	0				5.4	-		-5.4		640.2	π	0	0	200,169	440,324	
589	330		156°38'	-13.5°	5.1	89°-	+5.8	+0.7		646.3		-264	+198	199,905	440,522	
590	660		153°49'	-13.5°	5.7	88°-	+23.0	+17.3		662.9	TP	-508+2	+421	199,663	440,745	
590	660				1.8	88°20'	+19.2	+17.4			TP					
	660	657.6	326°36'-180°	-13.5°	+6.9	94°52'	+55.8	+62.7	725.6		BS	-449+2	+480			
	660				+4.6	95°04'	+58.1	+62.7			BS					
591	330		326°36'	-13.5°	9.0	94°-	-23.0	-32.0		693.6		+225	-241	199,441	440,984	
592	0				5.4	-		-5.4		720.2	π	0	0	199,216	441,225	
593	333	332.2	152°50'	-13.5°	10.7	86°-	+23.2	+12.5		738.1	TP	-252+2	+216	198,966	441,441	
593	333				8.9	86°18'	+21.4	+12.5			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN			ROD MAN			PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE		
7/27/81		G. Cotcamp			T. Grady			6834		TG			6	58		
AREA		TOPO MAP		STATE	COUNTY			TWP	RANGE	PPM	PARTY MANAGER					
New Hampshire		Hillsboro		New Hamp	Hillsborough						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	
593										738.1						
	330		348°16'180°	-13.5°	+14.1	-		+14.1	752.2		BS	-299+2	+141			
	330				+12.4	BH	+1.7	+14.1			BS					
594	0				5.4	-		-5.4	746.8		π	0	0	198,669	441,582	
595	330		159°07'	-13.5°	6.2	92°-	-11.5	-17.7	734.5			-272	+186	198,397	441,768	
596	660		159°07'	-13.5°	0.4	91°16'	-14.6	-15.0	737.2		TP	-545+2	+373	198,126	441,955	
596	660				1.6	91°10'	-13.4	-15.0			TP					
	237		346°40'180°	-13.5°	+6.1	-		+6.1	743.3		BS	-211+2	+107			
	237				+7.3	TH	-1.2	+6.1			BS					
π	0				5.4	-		-5.4	737.9		π	0	0	197,917	442,062	
597	93		178°42'	-13.5°	4.9	-		-4.9	738.4			-90	+24	197,827	442,086	
598	423		"	"	2.3	89°30'	+3.7	+1.4	744.7			-409	+108	197,508	442,170	
599	753		"	"	4.9	89°30'	+6.6	+1.7	745.0			-728	+192	197,189	442,254	
600	1083		178°42'30"	-13.5°	1.5	89°30'	+9.5	+8.0			TP	-1047+2	+276	196,872	442,338	
600	1083				4.7	89°20'	+12.6	+7.9	751.2		TP					
	214		7°21'180°	-13.5°	+14.9	BH	+1.1	+16.0			BS	-213+2	+23			
	214				+12.2	91°-	+3.7	+15.9	767.1		BS					
π	0				5.4	-		-5.4	761.7		π	0	0	196,661	442,361	
601	116		215°31'	-13.5°	3.0	85°-	+10.1	+7.7	774.8			-108	-43	196,553	442,318	
TP	334	332.2	211°55'	-13.5°	4.0	84°-	+34.7	+30.7	797.8		TP	-315+2	-105	196,348	442,256	
TP	334				1.1	84°30'	+31.9	+30.8			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7/27/81		G. Cotcamp		T. Grady		6834		TG edw		6	59					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
New Hampshire		Hillsboro		New Hampshire	Hillsborough					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.			
601 1/2										797.8						
	437		342°54'180°	-13.5°	+11.4	92° -	+15.2	+26.6	824.4		BS	-376.2	+222			
	437				+13.9	91°40'	+12.7	+26.6		BS						
602	330		340°59'	-13.5°	11.0	91° -	-5.8	-16.8		807.6		+278	-177	196,252	442,301	
603	0				5.4	-		-5.4		819.0	X	0	0	195,974	442,478	
604	332	331.2	172°36'	-13.5°	12.1	86° -	+23.1	+11.0		835.4	TP	-309.2	+118	195,667	442,596	
604	332				8.3	86°40'	+19.3	+11.0			TP					
	660		0°21'180°	-13.5°	+3.7	92° -	+23.0	+26.7	862.1		BS	-642.2	+150.2			
	660				+5.6	91°50'	+21.1	+26.7		BS						
605	330		359°07'	-13.5°	11.0	92° -	-11.5	-22.5		839.6		+320	-82	195,347	442,666	
606	0				5.4	-		-5.4		856.7	X	0	0	195,027	442,748	
607	330		175°36'	-13.5°	6.0	85° -	+28.7	+22.7		884.8		-314	+101	194,713	442,849	
608	667	663.9	175°36'	-13.5°	3.5	84°30'	+63.6	+60.1		922.2	TP	-632.2	+204.2	194,397	442,955	
608	667				0.8	84°44'	+61.0	+60.2			TP					
	331	329.0	4°20'180°	-13.5°	+13.1	96°20'	+36.3	+49.4	971.6		BS	-325.2	+52.2			
	331				+11.2	96°40'	+38.2	+49.4		BS						
609	335	333.2	3°0'	-13.5°	14.5	96° -	-34.8	-49.3		922.3		+328	-61	194,402	442,949	Trail (west) el. 920.
609	0				5.4	-		-5.4		966.2	X	0	0	194,074	443,010	
610	330		179°57'	-13.5°	2.0	84°30'	+31.5	+29.5		1001.1		-321	+77	193,753	443,087	
611	660	656.9	179°57'	-13.9°	5.1	84°30'	+63.0	+57.9		1029.5	TP	-638.4	+158.2	193,440	443,171	
611	660				3.2	84°40'	+61.1	+57.9			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN			ROD MAN			PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE		
7/27/81		G. Cotcamp			T. Grady			6834		TG			6	60		
AREA		TOPO MAP		STATE	COUNTY			TWP	RANGE	PPM	PARTY MANAGER					
New Hampshire		Hillsboro		New Hampshire	Hillsborough						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	
611										1029.5						
	235	234.1	350°37'180°	-13.9°	+13.9	95°	+20.4	+34.3	1063.8		BS	-215+4	+93+3			
	235				+12.6	95°20'	+21.7	+34.3			BS					
π	0				5.4	-	-	-5.4	1058.4		π	0	0	193,229	443,267	
612	94		156°16'	-13.9°	4.2	88°	+3.3	-0.9	1062.9			-74	+57	193,155	443,324	
613	424		" "	"	3.2	88°40'	+9.9	+6.7	1070.5			-336	+259	192,893	443,526	
614	754		156°16'	-13.9°	8.4	88°40'	+17.5	+9.1	1072.9		TP	-597+4	+460+3	192,636	443,730	
614	754				5.3	88°54'	+14.5	+9.2			TP					
	660		334°34'180°	-13.9°	+4.9	-	-	+4.9	1077.8		BS	-510+4	+418+3			
	660				+8.2	TH	-3.3	+4.9			BS					
615	330		334°34'	-13.9°	0.3	-	-	-0.3	1077.5			+255	-209	192,385	443,942	
616	0				5.4	-	-	-5.4	1072.4		π	0	0	192,130	444,151	
617	330		155°27'	-13.9°	8.9	-	-	-8.9	1068.9			-258	+205	191,872	444,356	
618	660		" "	"	12.3	-	-	-12.3	1065.5			-517	+410	191,613	444,561	
≠	690		154°57'	-13.9°	12.7	-	-	-12.7	1065.1			-537	+434	191,593	444,585	4-way
619	990		155°27'	-13.9°	13.0	OH	-5.0	-18.0	1059.8		TP	-775+4	+616+3	191,359	444,770	
619	990				13.9	90°14'	-4.0	-17.9			TP					
	1320		338°09'30"-180°	-13.9°	+3.3	88°50'	-26.9	-23.6	1036.2		BS	-1071+4	+771+3			
	1320				+7.1	88°40'	-30.7	-23.6			BS					
620	990		337°44'	-13.9°	0.4	89°	+17.3	+16.9	1053.1			+799	-584	191,091	444,960	
621	660		" "		4.0	89°	+11.5	+7.5	1043.7			+533	-389	190,825	445,155	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7/27/81		G. Cotcamp		T. Grady		6834		TG J. New		6	61						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New Hampshire		Hillsboro		New Hampshire	Hillsborough					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		
									1036.2								
622	330		337° 44'	-13.9°	4.5	89°	+5.8	+1.3		1037.5		+266	-195	190,558	445,349		
623	0				5.4	-		-5.4		1030.8	X	0	0	190,292	445,544		
624	330		156° 35'	-13.9°	8.9	-		-8.9		1027.3		-262	+200	190,030	445,744		
625	660		" "	"	9.7	-		-9.7		1026.5		-525	+400	189,767	445,944		
626	990		156° 35'	-13.9°	14.0	-		-14.0		1022.2	TP	-787.4	+600.3	189,509	446,147		
626	990				9.0	BH	-5.0	-14.0			TP						
	330		327° 18' - 180°	-13.9°	+4.4	87°	-17.2	-12.8	1009.4		BS	-226.4	+239.3				
	330				+2.9	87° 16'	-15.7	-12.8			BS						
627	0				5.4	-		-5.4		1004.0	X	0	0	189,287	446,389	horiz. correct. y = +166' x = +32'	
15	201		126° 27'	-13.9°	8.9	-		-8.9		1005.0		-77	+186	189,210	446,575	89,210 + 446,575 Y-intersect.	
628	330		129° 04'	-13.9°	11.1	91°	-5.8	-16.9		992.5		-140	+299	189,147	446,688		
629	660		129° 04'	-13.3°	9.6	91°	-11.5	-21.1			TP	-287	+594.4	189,000	446,979		
629	660				13.5	90° 40'	-7.7	-21.2		988.2	TP						
	330		307° 51' - 180°	-13.3°	+8.4	89°	-5.8	+2.6	990.8		BS	-137	+300.4				
	330				+10.4	88° 40'	-7.7	+2.7			BS						
630	0				5.4	-		-5.4		985.4	X	0	0	188,863	447,275		
631	330		128° 35'	-13.3°	10.7	91°	-5.8	-16.5		974.3		-141	+298	188,722	447,573		
632	660		128° 35'	-13.3°	5.9	91°	-11.5	-17.4			TP	-282	+597.4	188,581	447,868		
632	660				9.8	90° 40'	-7.7	-17.5		973.3	TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7/27/81		G. Cotcamp		T. Grady		6834		TG		6	62						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
New Hampshire		Hillsboro	New Hampshire	Hillsborough					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		
632										973.3							
	660		312°07'-180°	-13.3°	+8.6	84°	+3.3	+11.9	985.2		BS	-318	+578.4				
	660				+11.9	-		+11.9		BS							
633	330		312°07'	-13.3°	10.9	-		-10.9		974.3		+159	-289	188,422	448,153		
634	0				5.4	-		-5.4		979.8	π	0	0	188,263	448,442		
635	330		132°22'	-13.3°	2.0	89°	+5.8	+3.8		989.0		-160	+288	188,103	448,730		
TP	550		132°22'	-13.3°	8.4	89°	+9.6	+1.2	986.4		TP	-267	+481.4	187,996	448,919		
TP	550				10.0	88°50'	+11.2	+1.2		TP							
	445		312°23'-180°	-13.3°	+4.6	87°	-23.3	-18.7	967.7		BS	-216	+388.4				
	445				+0.7	87°30'	-19.4	-18.7		BS							
636	330		312°23'	-13.3°	1.8	88°	+11.5	+9.7		977.4		+160	-288	187,940	449,015		
637	0				5.4	-		-5.4		962.3	π	0	0	187,780	449,303		
638	330		130°42'	-13.3°	4.0	89°	+5.8	+1.8	969.4		TP	-152	+293.4	187,628	449,592		
638	330				1.2	89°30'	+2.9	+1.7		TP							
	660		312°55'-180°	-13.3°	+9.1	90°40'	+7.7	+16.8	986.1		BS	-326	+574.4				
	660				+7.9	90°46'	+8.8	+16.7		BS							
639	330		312°55'	-13.3°	10.3	-		-10.3		975.8		+163	-287	187,465	449,875		
640	0				5.4	-		-5.4		980.7	π	0	0	187,302	450,162		
641	330		135°13'	-13.3°	12.3	91°	-5.8	-18.1		968.0		-174	+280	187,128	450,442		
≡	407		134°29'	-13.3°	13.4	91°20'	-9.5	-22.9		963.2		-211	+348	187,091	450,510	Trd west	
642	660		135°13'	-13.3°	11.3	92°30'	-28.8	-40.1		946.0		-349	+560	186,953	450,722		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/28/81	INSTRUMENT MAN G. Cotcamp		ROD MAN T. Grady		PARTY NUMBER 6834	NOTES CHECKED BY G.W.C. J.W.	LINE NO. 6	PAGE 63
AREA New Hampshire	TOPO MAP Hillsboro	STATE New Hampshire	COUNTY Hillsborough		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	X
									986.1							
643	990	989	134° 47'	-13.2°	4.6	92° 30'	-43.1	-47.7		938.4	TP	-517	+843.4	186,785	451,001	
643	990				6.3	92° 24'	-41.4	-47.7			TP					
	660		317° 17' -180°	-13.2°	+14.6	92° 16'	+26.1	+40.7			BS	-369	+547.4			
	660				+14.2	92° 18'	+26.4	+40.6	979.0		BS					
644	330		316° 29'	-13.2°	10.6	94° -	-23.0	-33.6		945.4		+181	-276	186,597	451,268	
645	0				5.4	-		-5.4		973.6	TP	0	0	186,416	451,544	
646	330		136° 17'	-13.2°	2.9	87° -	+17.2	+14.3		993.3		-180	+277	186,236	451,821	
647	660		" "	"	3.6	86° 30'	+46.2	+36.6		1015.6		-359	+554	186,057	452,098	
648	990	988.2	135° 06'	-13.2°	1.5	86° 30'	+60.3	+58.8		1037.8	TP	-521	+840.4	185,895	452,380	↑
648	990				4.4	86° 20'	+63.2	+58.8			TP					dirt road
	330		318° 14' -180°	-13.2°	+7.2	-		+7.2	1045.0		BS	-189	+271.4			
	330				+8.8	TH	-1.7	+7.1			BS					
649	14		3° 08'	-13.2°	4.8	-		-4.8		1040.2		+14	-2	185,720	452,645	↑ intersect
649	0				5.4	-		-5.4		1039.6	TP	0	0	185,706	452,647	pavement
650	330		116° 08'	-13.2°	10.7	92° -	-11.5	-22.2		1022.8		-73	+322	185,633	452,969	↓
651	660		111° 36'	-13.2°	10.9	91° -	-11.5	-22.4		1022.6		-95	+653	185,611	453,300	
652	990		111° 24'	-13.2°	4.2	91° -	-17.3	-21.5		1023.5		-139	+980	185,567	453,627	
653	1320		110° 49'	-13.2°	3.2	90° 50'	-19.2	-22.4		1022.6	TP	-173.2	+1309.4	185,531	453,952	
653	1320				10.8	90° 30'	-11.5	-22.3			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7/28/81		G. Cotcamp		T. Grady		6834		G.W.C. New		6	64			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
New Hampshire		Hillsboro		New Hampshire	Hillsborough					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.	
653										1022.6				
	340		303°39'-180°	-13.2°	+1.0	-		+1.0	1023.6		BS	-118-2	+319-4	
	340				+2.7	TH	-1.7	+1.0		BS				
654	0				5.4	-		-5.4	1018.2		π	0	0	185,411 454,267 x opposite station
655	333		150°51'	-13.2°	6.8	-		-6.8	1016.8		TP	-246-2	+225-4	185,163 454,488
655	333				8.5	TH	+1.7	-6.8		TP				
	992		340°58'-180°	-13.2°	+4.9	-		+4.9	1021.7		BS	-838-2	+531-4	
	992				19.9	TH	-5.0	+4.9		BS				
656	660		340°58'	-13.2°	7.7	-		-7.7	1014.0			+558	-353	184,881 454,662
657	330		" "	" "	7.1	-		-7.1	1014.6			+279	-177	184,602 454,838
11"	47		330°42'	-13.2°	5.1	-		-5.1	1016.6			+35	-32	184,358 454,983 trail (north) of 1016
658	0				5.4	-		-5.4	1016.3		π	0	0	184,323 455,015
659	330		169°11'	-12.9°	8.2	-		-8.2	1013.5			-302	+133	184,021 455,148
660	660		" "	" "	9.8	-		-9.8	1011.9			-604	+265	183,719 455,280
661	990		169°11'	-12.9°	11.6	-		-11.6	1010.1		TP	-906-2	+398-4	183,415 455,409
661	990				6.6	TH	-5.0	-11.6		TP				
	329		337°50'-180°	-12.9°	+2.5	88°30'	-8.6	-6.1	1004.0		BS	-269-2	+189-4	
	329				+1.6	88°40'	-7.7	-6.1		BS				
662	0				5.4	-		-5.4	998.6		π	0	0	183,144 455,594
663	330		144°32'	-12.9°	12.6	93°-	-17.2	-29.8	974.2			-219	+247	182,925 455,841

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
7/28/81		G. Cotcamp		T. Grady		6834		Gwl. J.S.W.		6		65		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
New Hampshire		Hillsboro/Peterborough		New Hampshire		Hillsborough						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.	
									1004.0					
664	660	659.1	142°33'	-12.9°	12.4	93°-	-34.5	-46.9		957.1	TP	-421-2	+507-2	182,721 456,099
664	660				14.3	92°50'	-32.6	-46.9			TP			
	662	661.	336°41'-480°	-12.9°	+11.8	87°-	-34.6	-22.8			BS	-533-2	+391-1	
	662				+6.7	87°26'	-29.6	-22.9	934.2		BS			↑
665	330		336°41'	-12.9°	5.9	87°-	+17.2	+11.3		945.5		+266	-195	182,452 456,294 Hillsboro Quad.
666	0				5.4	-		-5.4		928.8	X	0	0	182,186 456,489 Peterborough Quad.
667	330		139°23'	-12.9°	12.2	93°-	+17.2	-29.4		904.8		-196	+265	181,990 456,754 ↓
668	660	658.8	135°23'	-12.9°	10.6	93°30'	-40.2	-50.8		883.4	TP	-354-2	+556	181,830 457,045
668	660				14.4	93°10'	-36.4	-50.8			TP			
	1322		332°20'20"-180°	-12.9°	+0.7	TH	-6.6	-5.9	877.5		BS	-1004-2	+860	
	1322				+5.7	89°30'	-11.5	-5.8			BS			
669	990		331°22'	-12.9°	1.3	-		-1.3		876.2		+741	-656	181,565 457,249
670	660		" "	"	4.3	-		-4.3		873.2		+494	-438	181,318 457,467
671	330		" "	"	4.9	-		-4.9		872.6		+247	-219	181,071 457,686
672	0				5.4	-		-5.4		872.1	X	0	0	180,824 457,905
1K	153		145°40'	-12.9°	8.1	-		-8.1		869.4		-104	+112	180,720 458,017 Y-intersect. e.l. 869
673	330		149°46'	-12.9°	10.2	-		-10.2		867.3		-241	+226	180,583 458,131
674	660		147°0'	-12.9°	3.3	-		-3.3		879.2	TP	-459-2	+474	180,363 458,379
674	660				6.6	TH	+3.3	-3.3			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/28/81	INSTRUMENT MAN G. Cotcamp		ROD MAN T. Grady		PARTY NUMBER 6834	NOTES CHECKED BY TG	LINE NO. 6	PAGE 66
AREA New Hampshire	TOPO MAP Petersborough	STATE New Hampshire	COUNTY Hillsborough		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.	
674										874.2				
	330		316°31'180°	-12.9°	+4.8	-		+4.8	879.0		BS	-183.2	+275	
	330				+6.5	TH	-1.7	+4.8		BS				
675	0				5.4	-		-5.4		873.6	X	0	0	180,178 458,654
676	330		150°16'	-12.9°	13.2	-		-13.2		865.8		-243	+224	179,935 458,878
677	664		150°16'	-12.9°	4.0	-		-4.0		875.0	TP	-489	+450	179,689 459,104
677	664				7.3	TH	+3.3	-4.0			TP			
	1650		329°32'49'40"-180°	-12.9°	+6.0	88°50'	-33.6	-27.6	847.4		BS	-1144	+1188	
	1650				+4.0	88°54'	-31.7	-27.7		BS				
678	1320		326°28'	-12.9°	0.2	89°-	+23.0	+22.8		870.2		+910	-956	179,455 459,336
679	990		" "	"	11.1	89°-	+17.3	+6.2		853.6		+682	-717	179,227 459,575
680	660		" "	"	0.4	-		-0.4		847.0		+455	-478	179,000 459,814
681	330		" "	"	2.7	-		-2.7		844.7		+227	-239	178,772 460,053
682	0				5.4	-		-5.4		842.0	X	0	0	178,545 460,292
683	330		155°52'	-12.9°	1.7	-		-1.7		845.7		-263	+199	178,282 460,491
684	665		155°52'	-12.9°	4.6	-		-4.6		842.8	TP	-531	+401	178,014 460,693
684	665				7.9	TH	+3.3	-4.6			TP			
	331		355°23'-180°	-12.9°	+4.5	88°-	-11.5	-7.0	835.8		BS	-315	+100	
	331				+1.6	88°30'	-8.7	-7.1		BS				
685	0				5.4	-		-5.4		830.4	X	0	0	177,699 460,793
TP	234		137°49'	-12.9°	7.0	-		-7.0		828.8		-134	+192	177,565 460,985

horiz. correct. y = -24'
x = -75'
T-rd.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	7/28/81	INSTRUMENT MAN	G. Cotcamp	ROD MAN	T. Grady	PARTY NUMBER	6834	NOTES CHECKED BY	TG <i>side</i>	LINE NO.	6	PAGE	67
AREA	New Hampshire	TOPO MAP	Peterborough	STATE	New Hampshire	COUNTY	Hillsborough	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.	
									835.8					
686	323		150° 41'	-13.3°	10.3	-		-10.3		825.5	VB	-238+4	+219-2	177,465 461,010
686	323				8.7	BH	-1.6	-10.3			VB			
	1320	1317.5	325° 32' 10" -180°	-13.3°	+11.9	86° 30'	-80.4	-68.6	756.9		BS	-886+4	+975-2	
	1320				+11.0	86° 32'	-79.7	-68.7			OS			
687	990		325° 32'	-13.3°	9.5	86° 30'	+60.3	+50.8		807.7		+665	-733	177,248 461,250
688	660		" "	"	6.8	86° 30'	+40.2	+33.4		790.3		+444	-489	177,027 461,494
689	330		" "	"	12.2	86° 30'	+20.1	+7.9		764.8	X	+222	-244	176,805 461,739
690	0		" "	"	5.4	-		-5.4		751.5	X	0	0	176,583 461,983
691	330		145° 16'	-13.3°	8.2	91°	-5.8	-15.0		741.9		-221	+245	176,362 462,228
692	660		" "	"	9.5	91° 30'	-17.3	-26.8		730.1		-441	+491	176,142 462,474
693	990		145° 16' 10"	-13.3°	11.8	91° 30'	-25.9	-37.7		719.2	TP	-662+4	+736-2	175,925 462,717
693	990		" "	"	11.2	91° 32'	-26.5	-37.7			TP			
	1650		325° 12' 30" -180°	-13.3°	+1.4	-		+1.4	720.6		BS	-1102+4	+1228-2	
	1650		" "	"	+9.6	TH	-8.3	+1.4			BS			
694	1320		" "	"	4.1	-		-4.1		716.5		+882	-982	175,709 462,961
695	990		" "	"	3.5	-		-3.5		717.1		+661	-737	175,488 463,206
696	660		" "	"	2.2	-		-2.2		718.4		+441	-491	175,268 463,452
697	330		325° 12'	-13.3°	4.5	-		-4.5		716.1		+220	-246	175,047 463,697
698	0		" "	"	5.4	-		-5.4		715.2	X	0	0	174,827 463,943
699	330		145° 23'	-13.3°	11.8	91°	-5.8	-17.6		703.0		-221	+245	174,606 464,188

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7/28/81		T. GRADY		G. Cotcamp		6834		TB		6		68			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
New Hampshire		Peterborough		New Hampshire		Hillsborough								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
									720.6						
700	660		145° 23'	-13.3°	9.5	91° -	-11.5	-21.0		699.6		-442	+490	174,385	464,433
701	940		" "	"	5.8	91° -	-17.3	-23.1		697.5		-664	+735	174,163	464,678
702	1320		" "	"	4.7	91° -	-23.0	-27.7		692.9		-885	+980	173,942	464,923
703	1650		145° 23'	-13.3°	11.0	90° 30'	-14.4	-25.4		695.2	TP	-1106.4	+1225.2	173,725	465,166
703	1650				12.0	90° 28'	-13.4	-25.4			TP				
	1320		325° 16' 10"	-13.3°	+12.9	91° -	+23.0	+35.9			BS	-883.4	+981.2		
	1320		" "		+10.7	91° 0'	+25.3	+36.0	731.2		BS				
704	940		325° 16'	-13.3°	9.9	91° -	-17.3	-27.2		704.0		+662	-736	173,508	465,409
705	660		" "	"	11.9	91° -	-11.5	-23.4		707.8		+441	-491	173,287	465,654
706	330		325° 16'	-13.3°	6.9	91° -	-5.8	-12.7		718.5		+221	-245	173,067	465,900
707	0				5.4	-	-	-5.4		725.8	X	0	0	172,946	466,145
708	330		141° 5'	-13.3°	4.5	90° -	-	-4.5		726.7		-202	+261	172,644	466,406
709	660		141° 5'	-13.3°	9.8	-	-	-9.8		721.4	TP	-404.4	+522.2	172,446	466,665
709	660				6.5	BH	-3.3	-9.8			TP				
	330	329	308° 47' 10" -180°	-13.3°	+8.5	85° 30'	-25.8	-17.3	704.1		BS	-142.4	+297.2		
	330				+8.3	85° 32'	-25.6	-17.3			BS				
LL ZF	320	319.0	313° 00' 00"	-13.3°	7.8	85° 30'	+25.0	+17.2		721.3		+158	-277	172,466	466,683
710	0				5.4	-	-	-5.4		698.7	X	0	0	172,308	466,960
711	330		139° 40'	-13.6°	5.8	94° -	-23.0	-28.8		675.3		-194	+267	172,114	467,227
712	660		" "	"	5.8	93° -	-34.5	-40.3		663.8		-389	+534	176,919	467,494

172,470 +466,705
4-way cl. 724

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7/28/81		T. GRADY		G. Cotcamp		6834		TG		6	69						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
New Hampshire		Peterborough	New Hampshire	Hillsborough				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		
									704.1								
713	990		139° 40' 10"	-13.6°	8.8	92° 30'	-43.1	-51.9		652.2	TP	-582.4	+799.2	171,730	467,757	by bridge	
713	990				8.2	92° 32'	-43.7	-51.9			TP						
	1320		319° 53' - 188	-13.6°	+3.0	91° 30'	+34.5	+37.5			BS	-781.4	+1064.2				
	1320		" "		+4.0	91° 28'	+33.8	+37.8	690.0		BS						
714	990		" "	"	98.0	91° 30'	-25.9	-34.9		655.1		+586	-798	171,539	468,021		
715	660		" "	"	7.3	91° 30'	-17.3	-34.6		655.4		+391	-532	171,344	468,287		
716	330		319° 53'	-13.6°	4.0	91° 30'	-8.6	-12.6		677.4		+195	-266	171,148	468,553		
717	0				5.4	-		-5.4		684.6	X	0	0	170,953	468,819		
718	330		138° 19'	-13.6°	9.5	90° -		-9.5		680.5		-188	+271	170,765	469,090		
719	345		" "	"	9.9	-		-9.9		680.1		-196	+284	170,757	469,103	170,780 + 469,105 4-way el. 682	
719	660		" "	"	8.2	91° 30'	-17.3	-25.5		664.5		-376	+543	170,577	469,362		
720	990		138° 19' 20"	-13.6°	13.1	91° 30'	-25.9	-39.0		651.0	TP	-564.4	+813.2	170,393	469,630		
720	990				12.5	91° 32'	-26.5	-39.0			TP						
	1320		318° 48' - 180	-13.6°	+5.3	89° -	-23.0	-17.7	633.3		BS	-761.4	+1078.				
	1320		" "	"	+2.8	89° 06'	-20.7	-17.9			BS						
721	990		" "	"	10.8	89° -	+17.3	+6.5		639.8		+571	-809	170,207	469,897		
722	660		" "	"	10.3	89° -	+11.5	+1.2		634.5		+380	-539	170,016	470,167		
723	330		318° 48'	-13.6°	9.1	89°	+5.8	-3.3		630.0		+190	-270	169,826	470,436		
724	0				5.4	-		-5.4		627.9	X	0	0	169,636	470,706		
725	330		139° 36'	-13.6°	5.8	92° -	-11.5	-17.3		616.0		-194	+267	169,442	470,973		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/28/81	INSTRUMENT MAN T. GRADY	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY TG	LINE NO. 6	PAGE 70
AREA New Hampshire	TOPO MAP Peterborough	STATE New Hampshire	COUNTY Hillsborough	TWP	RANGE	PPM
				PARTY MANAGER L. DAVIS		1

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.	
									633.3					
726	660		139° 36'	-13.6°	11.7	92°-	-23.0	-34.7		598.6		-388	+534	169,248 471,240
727	990		" "	"	3.9	92°-	-34.5	-38.4		594.9		-582	+801	169,054 471,507
728	1320		" "	"	5.2	91°30'	-34.5	-39.7		593.6		-776	+1068	168,860 471,774
729	1650		139° 36'	-13.6°	8.1	91°-	-28.8	-36.9			TP	-970+4	+1335-2	168,670 472,039
729	1650				4.9	91°06'	-31.7	-36.6		596.7	TP			
	990		322° 00' 00"	-13.6°	8.1	89°30'	-8.6	-0.5			BS	-615+4	+776-2	
	990		" "	"	+7.7	89°32'	-8.1	-0.4	596.3		BS			
730	660		" "	"	5.8	-		-5.8		590.5		+410	-517	168,469 472,296
731	330		322° 00'	-13.6°	11.0	-		-11.0		585.3		+205	-259	168,264 472,554
732	0				5.4	-		-5.4		590.9	π	0	0	168,059 472,813
733	330		145° 05'	-13.6°	5.7	-		-5.7		590.6		-219	+247	167,840 473,060
734	660		" "	"	6.3	-		-6.3		590.0		-437	+494	167,622 473,307
735	990		145° 05' 10"	-13.6°	2.4	-		-2.4		593.9	TP	-656+4	+742-2	167,407 473,553
735	990				2.4	TH	+5.0	-2.4			TP			
	660		322° 02' 40"	-13.6°	+9.0	91°-	+11.5	+20.5	614.4		BS	-410+3	+517-3	
	660		" "	"	+7.7	91°06'	+12.7	+20.4			BS			
736	330		" "	"	8.2	91°-	-5.8	-14.0		600.4		+205	-259	167,205 473,808
736	290		322° 02'	-13.6°	7.5	91°-	-5.1	-12.6		601.8		+180	-227	167,180 473,840
737	0				5.4	-		-5.4		609.0	π	0	0	167,000 474,067

horiz. correct. y=+63
x=-33
167,180 + 473,840
4-way el. 603

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN			ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE	
7/31/81		T. GRADY			G. Cot camp		6834		TG			6		71	
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEW Hampshire		Peterborough		New Hampshire		Hillsborough								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.		Y
									614.4						
738	330		142° 11' 30"	-13.6°	3.5	-		-3.5		610.9	TP	-206.3	+258.3	166,791	474,328
738	330				5.2	TH	+1.7	-3.5			TP				
	990		330° 11' 40" -180°	-13.6°	+3.2	89° 30'	-8.6	-5.4			BS	-719.3	+680.3		
	990		330° 11'	-13.6°	+2.8	89° 32'	-8.1	-5.3	605.6		BS				
739	660		" "	"	6.9	89° 30'	+5.8	-1.1		604.5		+479	-454	166,598	474,557
740	330		" "	"	9.3	89° 30'	+2.9	-6.4		599.2		+240	-227	166,309	474,784
741	0				5.4	-		-5.4		600.2	TP	0	0	166,069	475,011
742	330		152° 42'	-13.6°	10.2	89° 30'	+2.9	-7.3		598.3		-249	+216	165,820	475,227
743	660		152° 42' 10"	-13.6°	8.4	89° -	+11.5	+3.1		608.7	TP	-499.3	+432.3	165,567	475,446
743	660				7.2	89° 06'	+10.4	+3.2			TP				
	1320		328° 40' 30" -180°	-13.6°	+6.2	89° 30'	-11.5	-5.3	603.4		BS	-951.2	+916.3		
	1320		329° 40'	-13.6°	+5.2	89° 32'	-10.7	-5.5			BS				
744	990		" "	"	4.2	89° 30'	+8.6	+4.4		607.8		+713	-687	165,327	475,678
745	660		" "	"	4.0	89° 30'	+5.8	+1.8		605.2		+475	-458	165,089	475,907
746	635		328° 00' 30"	-13.6°	3.1	89° 30'	+5.5	+2.4		605.8		+444	-454	165,058	475,911
746	330		329° 40'	-13.6°	2.5	89° 30'	+5.8	+3.3		606.7		+238	-229	164,852	476,136
747	0				5.4	-		-5.4		598.0	TP	0	0	164,614	476,365
748	330		150° 13'	-13.6°	8.3	93° -	-17.2	-25.5		577.9		-240	+227	164,374	476,592
749	660		" "	"	2.5	92° 30'	-28.8	-31.3		572.1		-480	+453	164,134	476,818
7															

165,010 + 475,955
~~4000~~ T-Rd.c. 606

Peterborough Road

New Boston

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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			
7/31/81		T. GRADY		G. Cotcamp		6834		TG		6		72			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
New Hampshire		New Boston		New Hampshire		Aillsborough								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
									603.4						
750	990		150° 13'	-13.6°	12.2	91° -	-17.3	-29.5			TP	-719	+680.3	163,895	477,048
750	990		" "		11.6	91° 02'	-17.8	-29.4		574.0	TP				
	660		333° 23' 00" -180	-13.6°	+7.9	91° -	+11.5	+19.4	593.4		BS	-504	+426.3		
	660		333° 23'	-13.6°	+7.5	91° 02'	+11.9	+19.4			BS				
751	330		" "	"	6.2	91° -	-5.8	-12.0		581.4		+252	-213	163,643	477,264
752	0				5.4	-		-5.4		588.0	TP	0	0	163,391	477,477 ↑
753	330		148° 03'	-13.6°	3.5	91° -	-5.8	-9.3		584.1		-231	+236	163,160	477,713 Peterborough Quad.
754	660		148° 03' 40"	-13.6°	12.3	91° -	-11.5	-23.8			TP	-462	+471.3	162,929	477,951 New Boston Quad.
754	660		" " "		11.7	91° 02'	-11.9	-23.6		569.8	TP				↓
	1650		327° 27' 40" -180	-13.6°	+6.4	88° 30'	-43.2	-36.8	533.0		BS	-1143	+1189.3		
	1650		327° 27'	-13.6°	+5.2	88° 32'	-42.2	-37.0			BS				
755	1320		" "	"	1.5	89° -	+23.0	+21.5		554.5		+914	-952	162,700	478,191
756	990		" "	"	2.9	89° -	+17.3	+14.4		547.4		+686	-714	162,472	478,429
757	660		" "	"	3.8	89° -	+11.5	+7.7		540.7		+457	-476	162,243	478,667
758	330		327° 27'	-13.6°	4.5	89° -	+5.8	+1.3		534.3		+229	-238	162,015	478,905
759	0				5.4			-5.4		527.6	TP	0	0	161,786	479,143
760	330		147° 55'	-13.6°	5.3	91° -	-5.8	-11.1		521.9		-231	+236	161,555	479,379
761	660		" "	"	8.7	-		-8.7		524.3		-461	+472	161,325	479,615
762	990		" "	"	7.5	-		-7.5		525.5		-692	+708	161,094	479,851

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7/31/81	INSTRUMENT MAN T. GRADY	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY TG	LINE NO. 6	PAGE 74
AREA New Hampshire	TOPO MAP New Boston	STATE New Hampshire	COUNTY Hillsborough	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.	
										522.5				
771	660	658.4	319° 32' 00" - 180°	-13.6°	+9.7	94° -	+45.9	+55.6	578.1		BS	-386.2	+533.2	
	660		" "		+8.4	94° 06'	+47.1	+55.5			BS			
772	330		319° 32'	-13.6°	4.5	96° -	-34.3	-38.8		539.3		+194	-267	158,862 482,290
773	0				5.4	-		-5.4		572.7	TP	0	0	158,668 482,557
774	330		156° 54'	-13.6°	3.2	86° -	+23.0	+19.8		597.9		-265	+197	158,403 482,754
775	660		156° 54' 30"	-13.6°	4.9	85° 50'	+47.8	+42.9		621.0	TP	-528.2	+393.3	158,138 482,953
775	660		" " "		3.7	85° 56'	+46.7	+43.0			TP			
	660		338° 45' 40" - 180°	-13.6°	+4.7	92° 20'	+26.8	+31.5	652.5		BS	-541.2	+377.3	
	660		" " "		+4.1	92° 22'	+27.2	+31.3			BS			
776	330		338° 45' 40"	-13.6°	6.0	92° -	-11.5	-17.5		635.0		+271	-189	157,866 483,144
777	0				5.4	-		-5.4		647.1	TP	0	0	157,595 483,333 opposite Sta.
778	330		178° 15' 00"	-13.6°	2.0	90° 30'	-2.9	-4.9		647.6	TP	-318.2	+87.3	157,275 483,423
778	330		" "		1.9	90° 32'	-3.1	-5.0			TP			
	660		11° 55' 40" + 180°	-13.6°	+11.1	91° -	+11.5	+22.6			BS	-660.2	+19	
	660		" " "		+10.0	91° 06'	+12.7	+22.7	670.3		BS			
779	330		11° 55'	-13.6°	9.8	91° -	-5.8	-15.6		654.7		+330	-10	156,943 483,432
780	0				5.4	-		-5.4		664.9	TP	0	0	156,613 483,442
781	330		180° 03' 50"	-13.6°	6.0	88° -	+11.5	+5.5		675.8	TP	-321.2	+77.1	156,290 483,520
781	330		" " "		5.4	88° 06'	+10.9	+5.5			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7/31/81		T. GRADY		G. Coteamp		6834		TG <i>[Signature]</i>		6	75					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
New Hampshire		New Boston	New Hampshire						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 - LAT.	EAST+ WEST - DEP.	COORDINATES Y X		REMARKS
781										675.8						
	330		344°23'30"-180°	-13.6°	+7.5	91° -	+5.8	+13.3	689.1		BS	-288-2	+161			
	330		" "		+7.4	91°02'	+5.9	+13.3		BS						
782	0				5.4	-		-5.4		683.7	π	0	0	156,000	483,681	
783	330		139°23'20"	-13.6°	7.2	-		-7.2		681.9	TP	-193-2	+268	155,805	483,949	
783	330		" "		5.6	BH	-1.7	-7.3			TP					
	660		295°10'00"-180°	-13.6°	+5.5	89° -	-11.5	-6.0	675.9		BS	-132-2	+647			horiz. correct. y = -31' x = +46'
	660		" "		+5.1	89°02'	-11.1	-6.0		BS						
IF	500		294°23'50"	-13.6°	3.9	89° -	+8.7	+4.8		680.7		+94	-491	155,765	484,105	
784	330		295°10'	-13.6°	8.3	89° -	+5.8	-2.5		673.4		+66	-323	155,737	484,273	
785	0				5.4	-		-5.4		670.5	π	0	0	155,671	484,696	opposite Sta.
TP	195		139°00'30"	-13.6°	8.2	89° -	+3.4	-4.8	671.1		TP	-114	+158-2	155,557	484,752	split
TP	195		" "		8.1	89°02'	+3.3	-4.8		TP						
	113025		333°13'30"-180°	-13.2°	+0.3	-		+0.3	671.9		BS	-862	+723-2			
786	113025		" "		+5.9	TH	-5.6	+0.3		BS						
786	990		333°13'	-13.2°	7.2	-		-7.2		664.2		+759	-636	155,454	484,837	
787	660		" "	"	6.3	-		-6.3		665.1		+506	-424	155,201	485,049	
788	330		" "	"	7.9	-		-7.9		663.5		+253	-212	154,948	485,261	
789	0				5.4	-		-5.4		666.0	π	0	0	154,695	485,473	
790	330		150°32'	-13.2°	8.5	-		-8.5		662.6		-243	+224	154,452	485,697	
791	660		" "		4.7	91° -	-11.5	-16.2		655.2		-485	+447	154,210	485,920	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8/1/81		T. GRADY		G. Cotcamp		6834		TG		6		76			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
New Hampshire		New Boston		New Hampshire		Hillsborough								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.		Y
									671.4						
792	990		150° 32' 00"	-13.2°	3.2	90° 30'	-8.6	-11.8		659.6	TP	-728	+671-2	153,967	486,142
792	990		" "		2.7	90° 32'	-9.2	-11.9			TP				
	990		328° 28' 00"	-13.2°	+8.0	90° 30'	+8.6	+16.6	676.2		BS	-703	+697-2		
	990				+7.3	90° 32'	+9.2	+16.5			BS				
793	660		328° 28'	-13.2°	7.5	-	-	-7.5		668.7		+469	-465	153,733	486,372
794	330		" "	"	8.7	-	-	-8.6		667.6		+234	-232	153,498	486,605
795	0				5.4	-	-	-5.4		670.8	π	0	0	153,264	486,837
796	330		147° 19'	-13.2°	3.8	-	-	-3.8		672.4		-230	+237	153,034	487,074
797	560		146° 54' 00"	-13.2°	8.3	-	-	-8.3		667.9		-387	+405	152,877	487,242
797					5.5	BH									152,855+487,225 4-way el. 670
797	660		147° 18' 40"	-13.0°	13.8	-	-	-13.8		662.9	TP	-461+2	+472-2	152,805	487,307
797	660				10.5	BH	-3.3	-13.8			TP				
	990		320° 33' 30"	-13.0°	+12.6	-	-	+12.6	675.0		BS	-603+2	+785-2		
	990				+7.7	BH	+5.0	+12.7			BS				
798	660		320° 33'	-13.0°	2.5	92° -	-23.0	-25.5		649.5		+402	-523	152,606	487,567
799	330		" "	"	8.3	92° -	-11.5	-19.8		655.2		+201	-262	152,405	487,828
800	0				5.4	-	-	-5.4		669.6	π	0	0	152,204	488,090
801	330		140° 41'	-13.0°	9.3	92° -	-11.5	-20.8		654.2		-202	+261	152,002	488,351
802	660		" "	"	11.5	-	-	-11.5		663.5		-403	+522	151,801	488,612
803	990		" "	"	9.9	89° 20'	+11.5	+1.6		676.6		-605	+783	151,599	488,873

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
8/1/81		T. GRADY		G. Cotcamp		6834		TG		6	77			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
New Hampshire		New Boston		New Hampshire	Hillsborough					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.	
									675.0					
804	1320		140° 41' 20"	-13.0°	0.4	89° -	+23.0	+22.6		697.6	TP	-807+2	+1044-2	151,399 489,132
804	1320		" "		1.1	88° 58'	+23.8	+22.7			TP			
	1650	1649.3	319° 44' 40" -180°	-13.0°	+8.4	91° 40'	+48.0	+56.4			BS	-987+2	+1322-2	
	1650		" "		+7.7	91° 42'	+48.9	+56.6	754.2		BS			
805	1320		319° 44'	-13.0°	3.5	92° -	-46.0	-49.5		704.7		+789	-1058	151,203 489,394
806	990		" "	"	8.6	92° -	-34.5	-43.1		711.1		+592	-793	151,006 489,659
807	660		" "	"	3.5	93° -	-34.5	-38.0		716.2		+395	-529	150,809 489,923
808	330		" "	"	9.0	92° -	-11.5	-20.5		733.7		+197	-264	150,611 490,188
809	0				5.4	-		-5.4		748.8	X	0	0	150,414 490,452 opposite Sta.
810	330		142° 25"	-13.0°	7.5	-		-7.5		746.7		-210	+255	150,204 490,707
811	660		" "	"	7.8	-		-7.8		746.4		-419	+510	149,995 490,962
812	990		142° 25' 00"	-13.0°	1.0	-		-1.0		753.2	TP	-629+2	+765-2	149,787 491,215
812	990		" "		6.0	TH	+5.0	-1.0			TP			
	990		321° 21' 30" -180°	-13.0°	+7.8	88° 30'	-25.9	-18.1	735.1		BS	-614+2	+776-2	
	990		" "		+7.2	88° 32'	-25.3	-18.1			BS			
811	665		321° 42' 20"	-13.0°	8.5	88° -	+23.2	+14.7		749.8		+416	-519	149,591 491,470 149,580 +491,450 T-Rd
813	660		321° 21'	-13.0°	8.5	88° -	+23.0	+14.5		749.6		+410	-518	149,585 491,471
814	330		" "	"	7.9	88° -	+11.5	+4.1		739.2		+205	-259	149,380 491,730
815	0				5.4	-		-5.4		729.7	X	0	0	149,175 491,989
816	330		143° 19'	-13.0°	6.4	92° -	-11.5	-17.9		717.2		-214	+252	148,961 492,291

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8/1/81		T. GRADY		G. Cotcamp		6834		TG		6		78			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
New Hampshire		New Boston		New Hampshire		Hillsborough								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
									735.1						
817	660		143° 19'	-13.0°	3.5	91° -	-11.5	-15.0		720.1		-427	+503	148,748	492,492
818	990		143° 19' 20"	-13.0°	5.0	-		-5.0		730.1	TP	-641+2	+755-2	148,536	492,742
818	990		" "		9.8	TH	+5.0	-4.9			TP				
	990		326° 49' 40" - 180°	-13.0°	+4.2	91° 30'	+25.9	+30.1	760.2		BS	-684	+715-2		
	990		" "		+3.6	91° 32'	+26.5	+30.1			BS				
819	660		326° 44'	-13.0°	2.9	93° -	-34.5	-37.4		722.8		+456	-477	148,308	492,978
820	330		" "	"	9.5	93° -	-17.2	-26.7		733.5		+228	-238	148,080	493,217
821	0				5.4	-		-5.4		754.8	X	0	0	147,852	493,455
822	330		146° 32'	-13.0°	7.5	88° -	+11.5	+4.0		764.2		-227	+239	147,625	493,184
823	660		" "	"	9.3	88° -	+23.0	+13.7		773.9		-455	+478	147,397	493,933
824	990		" "	"	9.7	88° 30'	+25.9	+16.2		776.4		-682	+718	147,170	494,173
825	1320		146° 32' 10"	-13.0°	11.7	88° 44'	+29.2	+17.5		777.7	TP	-909	+957.2	146,943	494,410
825	1320		" "		12.6	88° 42'	+29.9	+17.3			TP				
	1320		326° 18' 30" - 180°	-13.0°	+1.8	-		+1.8	779.5		BS	-905	+961-2		
	1320		" "		+8.4	TH	-6.6	+1.8			BS				
826	990		326° 18'	-13.0°	10.0	-		-10.0		769.5		+679	-721	146,717	494,688
827	660		" "	"	10.5	-		-10.5		769.0		+453	-480	146,491	494,889
828	330		" "	"	11.7	-		-11.7		767.8		+226	-240	146,264	495,129
829	0				5.4	-		-5.4		774.1	X	0	0	146,038	495,369
830	330		144° 50'	-13.0°	2.2	88° -	+11.5	+9.3		788.8		-220	+246	145,818	495,615 E.O.L. #6

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8/1/81	INSTRUMENT MAN T. GRADY	ROD MAN G. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY TG <i>mlw</i>	LINE NO. 6	PAGE 79
AREA New Hampshire	TOPO MAP New Boston	STATE New Hampshire	COUNTY Hillsborough	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	X
									779.5							
TP	740		144°50'40"	-13.0°	4.7	88° -	+25.8	+21.1		800.6	TP	-493	+551	145,545	495,920	145,545 + 495,920 4-Way Intersect.
TP	740		" "		4.2	88°02'	+25.4	+21.2			TP					horiz. Correc. y = +14' x = -28'
BS	800				+4.8	91° -	+14.0	+18.8	819.4		BS					
BS	800				+4.5	91°02'	+14.4	+18.9			BS					
X	0				5.4	-		-5.4		814.0	X					vertical traverse
TP	235				6.9	93° -	-12.3	-19.2		800.2	TP					south to 4-Way.
TP	235				6.7	93°02'	-12.4	-19.1			TP					↓
BS	860				+12.4	87° -	-44.9	-32.5	767.7		BS					
BS	860				+11.9	87°02'	-44.5	-32.6			BS					
X	0				5.4	-		-5.4		762.3	X					
TP	610				8.9	90°30'	-5.3	-14.2			TP					
TP	610				8.6	90°32'	-5.7	-14.3		753.4	TP					
BS	310				+4.9	85° -	-26.9	-22.0	731.9		BS					
BS	310				+4.8	85°02'	-26.7	-21.9			BS					
X	0				5.4	-		-5.4		726.0	X					
TP	235				4.5	95° -	-20.4	-24.9		706.5	TP					
TP	235				4.4	95°02'	-20.5	-24.9			TP					
BS	205				+3.2	89° -	-3.6	-0.4			BS					
BS	205				+3.0	89°02'	-3.5	-0.5	706.0		BS					
X	0				5.4	-		-5.4		700.6	X					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

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DATE 8/1/81	INSTRUMENT MAN T. Grady		ROD MAN G. Cotcamp		PARTY NUMBER 6834		NOTES CHECKED BY TG		LINE NO. 6	PAGE 80
AREA New Hampshire		TOPO MAP New Boston	STATE New Hampshire	COUNTY Hillsborough		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 +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
									706.0							
F	145				4.8	89°	+2.5	-2.3		703.7	F					el. 704
	145				4.7	89°02'	+2.4	-2.3			F					