

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

PAGE 1 OF 51

DATE 6-8-82	INSTRUMENT MAN B. Cotcamp	ROD MAN M. Knapp	PARTY NUMBER 6834	NOTES CHECKED BY MPK Jm	LINE NO. 2	PAGE 1
AREA UTAH	TOPO MAP BURBANK HILLS-15'	STATE UTAH	COUNTY MILLARD	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			
K1			U.S.G.S BENCH MARK - 6247H 1958 Elevation - 5114.0							5114.0	K1			SCALED -	242,120	1,354,125	1958 6247H U.S.G.S. Bm. SIM. 0	
	1876		114° 45' 19" +180	+16.5°	+3.6	89° 50'	-5.5	-1.9	5112.1		BS	+1237	-1410					
	1876				+7.5	TH	-9.4	-1.9			BS							
T	0				5.4	-		-5.4		5106.7	T	0	0		243,357	1,352,713		
K	2194		260° 58' 11"	+16.5°	8.2	TH	+11.0	+2.8		5114.9	K							B.O.L.
1	2243		263° 02' 19"	" "	9.8	TH	+11.2	+1.4	5113.5		TP	+372	-2212	243,729	1,350,499		↓	
1	2243				11.5	89° 40'	+13.1	+1.6				TP						
	3959		188° 10' 04" -180	+16.5°	+7.6	89° 20'	-46.4	-38.8	5074.7		BS	+3597	+1652					
	3959				+12.3	270° 44'	-51.0	-38.7				BS						
2	3630		188° 01'	+16.5°	9.0	89° 20'	+42.5	+33.5		5108.2		-3303	-1506	244,023	1,350,643			
3	3300		187° 59'	" "	9.9	89° 20'	+38.6	+28.7		5103.4		-3003	-1368	244,323	1,350,781			
4	2970		187° 56'	" "	12.3	89° 20'	+34.7	+22.4		5097.1		-2704	-1228	244,622	1,350,921			
5	2640		187° 53'	" "	12.6	89° 20'	+30.9	+18.3		5093.0		-2405	-1090	244,921	1,351,059			
6	2310		187° 50'	+16.5°	7.8	89° 30'	+20.2	+2.4		5087.1		-2105	-952	245,221	1,351,197			
7	1980		187° 47'	" "	8.9	89° 30'	+17.3	+8.4		5083.1		-1805	-814	245,521	1,351,335			
8	1650		187° 33'	" "	10.8	89° 30'	+14.4	+3.6		5078.3		-1507	-672	245,819	1,351,477			
9	1320		187° 24'	" "	10.9	89° 30'	+11.5	+0.6		5075.3		-1207	-535	246,119	1,351,614			
10	990		186° 50'	+16.5°	12.3	89° 30'	+8.6	-3.7		5071.0		-909	-392	246,417	1,351,757			
11	660		185° 56'	" "	11.3	89° 30'	+5.8	-5.5		5069.2		-610	-252	246,716	1,351,897			
12	330		183° 44'	" "	9.1	89° 30'	+2.9	-6.2		5068.5		-310	-114	247,016	1,352,035			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-8-82		B. Cotcamp		M. KNAPP		6834		MPK Jm		2		2			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		BURBANK HILLS CONGER RANGE - 15'		UTAH		MILLARD								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
									5074.7						
13	0				5.4	-		-5.4		5069.3	T	0	0	247,326	1,352,149
14	330		358° 58'	+16.5	8.1	89° 30'	+2.9	-5.2		5069.5		+318	+88	247,644	1,352,237
15	660		" "	" "	11.2	89° 30'	+5.8	-5.4		5069.3		+636	+176	247,962	1,352,325
16	990		" "	" "	5.3	-		-5.3		5069.4		+954	+264	248,280	1,352,413
17	1320		" "	" "	4.8	-		-4.8		5069.9		+1272	+352	248,598	1,352,501
18	1650		358° 58'	+16.5	5.6	-		-5.6		5069.1		+1590	+440	248,916	1,352,589
19	1980		" "	" "	4.7	-		-4.7		5070.0		+1908	+528	249,234	1,352,677
20	2310		" "	" "	5.2	-		-5.2		5069.5		+2226	+616	249,552	1,352,765
21	2640		" "	" "	4.4	-		-4.4		5070.3		+2544	+704	249,870	1,352,853
22	2970		358° 58'	+16.5	4.6	-		-4.4		5070.3		+2862	+792	250,188	1,352,941
23	3300		" "	" "	3.9	-		-3.7		5071.0		+3180	+880	250,506	1,353,029
24	3630		" "	" "	3.0	-		-2.7		5072.0		+3499	+968	250,825	1,353,117
24	3831		358° 49' 29"	" "	12.3	89° 52'	+9.2	-3.1		5071.6	H				↑ BURBANK HILLS CONGER RANGE
25	3961		358° 58'	+16.5	10.7	89° 54'	+7.2	-3.5		5071.2		+3818	+1056	251,144	1,353,205
TP	4143		358° 20' 23"	" "	11.2	89° 54'	+7.6	-3.6		5071.1	Bm	+4005	+1061	251,331	1,353,208
TP	4143				13.9	270° 08'	+10.0	-3.9			Bm				Bm. U.S.G.S 63474 1968 EL. 5071.0
	3448		179° 38' 08" +180°	+16.5	+11.2	90° 20'	+19.8	+31.0	5102.1		BS	+3312	+958		
	3448				+13.6	269° 42'	+17.8	+31.4			BS				
26	3300		178° 51'	+16.5	11.2	90° 20'	-19.0	-30.2		5071.9		-3182	-874	251,461	1,353,290

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6-8-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2	3						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
UTAH		CONGER RANGE-15		UTAH		MILLARD					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		
									5102.1								
27	2970		178° 51'	+16.5	12.6	89° 20'	-17.1	-29.7		5072.4		-2864	-786	251,779	1,353,378		
28	2640		" "	" "	6.5	90° 30'	-22.9	-29.4		5072.7		-2546	-699	252,097	1,353,465		
29	2310		" "	" "	6.8	90° 30'	-20.2	-27.0		5075.1		-2228	-611	252,415	1,353,553		
30	1980		" "	" "	7.0	90° 30'	-17.3	-24.3		5077.8		-1909	-524	252,734	1,353,640		
31	1650		178° 51'	+16.5	6.7	90° 30'	-14.4	-21.1		5081.0		-1591	-437	253,052	1,353,727		
32	1320		" "	" "	6.3	90° 30'	-11.5	-17.8		5084.3		-1273	-349	253,370	1,353,815		
33	990		" "	" "	8.2	90° 20'	-5.8	-14.0		5088.1		-955	-262	253,688	1,353,902		
34	660		" "	" "	6.6	90° 20'	-3.8	-10.4		5091.7		-636	-175	254,007	1,353,989		
35	330		" "	" "	5.6	90° 20'	-1.9	-7.5		5094.6		-318	-87	254,325	1,354,077		
36	0				5.4	-		-5.4		5096.7	X	0	0	254,643	1,354,164		
37	330		358° 53'	+16.5	5.3	89° -	+5.8	+0.5		5102.6		+318	+88	254,961	1,354,252		
38	660		" "	" "	6.2	89° -	+11.5	+5.3		5107.4		+636	+175	255,279	1,354,339		
39	990		" "	" "	10.0	89° -	+17.3	+7.3		5109.4		+955	+263	255,598	1,354,427		
40	1320		" "	" "	11.8	89° -	+23.0	+11.2		5113.3		+1273	+350	255,916	1,354,514		
41	1650		358° 53'	+16.5	9.3	89° 10'	+24.0	+14.7		5116.8		+1591	+438	256,234	1,354,602		
42	1980		" "	" "	10.6	89° 10'	+28.8	+18.2		5120.3		+1909	+525	256,552	1,354,689		
43	2310		" "	" "	11.1	89° 10'	+33.6	+22.5		5124.6		+2227	+613	256,870	1,354,777		
44	2640		" "	" "	12.0	89° 10'	+38.5	+26.5		5128.6		+2545	+700	257,188	1,354,864		
45	2970		358° 52' 54"	+16.5	12.4	89° 10'	+43.4	+31.0		5133.1	TP	+2863	+788.2	257,506	1,354,950		
45	2970				14.1	270° 52'	+45.1	+31.0			TP						

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6-8-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2	4				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
UTAH		COUGER RANGE-15'	UTAH	MILLARD					L. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
											SOUTH -	WEST -	Y	X	
											LAT.	DEP.			
								5133.1							
	3300		178° 54' 23" +180	+16.5	+15.0	90° 36' 38"	+34.9	+49.9	5183.0	BS	+3181	+877.2			
	3300				+15.0	289° 23' 24"	+34.9	+49.9		BS					
46	2970		178° 54'	+16.5	10.9	90° 40'	-34.4	-45.3	5137.7		-2863	-789	257,824	1,355,036	
47	2640		" "	" "	10.1	90° 40'	-30.6	-40.7	5142.3		-2545	-701	258,142	1,355,124	
48	2310		" "	" "	9.9	90° 40'	-26.9	-36.8	5146.2		-2227	-613	258,460	1,355,212	
49	1980		" "	" "	9.2	90° 40'	-23.0	-32.2	5150.8		-1909	+526	258,778	1,355,299	
50	1650		178° 54'	+16.5	8.3	90° 40'	-19.2	-27.5	5155.5		-1591	-438	259,096	1,355,387	
51	1320		" "	" "	8.1	90° 40'	-15.4	-23.5	5159.5		-1273	-351	259,414	1,355,474	
52	990		" "	" "	7.0	90° 40'	-11.5	-18.5	5164.5		-954	-263	259,733	1,355,562	
53	660		" "	" "	7.0	90° 40'	-7.7	-14.7	5168.3		-636	-175	260,051	1,355,650	
54	330		" "	" "	5.6	90° 40'	-3.8	-9.4	5173.6		-318	-88	260,369	1,355,737	
55	0				5.4	-		-5.4	5177.6	X	0	0	260,687	1,355,825	
56	330		358° 56'	+16.5	6.3	89° -	+5.8	-0.5	5182.5		+318	+88	261,005	1,355,913	
57	660		" "	" "	7.3	89° -	+11.5	+4.2	5187.2		+636	+176	261,323	1,356,001	
Bm	761		355° 25' 29"	" "	6.7	89° -	+13.3	+6.6	5189.6	Bm	+744	+157	261,431	1,355,982	5-261,435 X-1,356,010 U.S.G.S Bm 6410M 1982
58	990		358° 56'	" "	8.4	89° -	+17.3	+8.9	5191.9		+954	+263	261,641	1,356,088	
59	1320		" "	+16.5	9.8	89° -	+23.0	+13.2	5196.2		+1272	+351	261,959	1,356,176	
60	1650		" "	" "	9.8	89° -	+28.8	+19.0	5202.0		+1591	+439	262,278	1,356,264	
61	1980		" "	" "	11.2	89° -	+34.6	+23.4	5206.4		+1909	+527	262,596	1,356,352	
62	2310		" "	" "	12.6	89° -	+40.3	+27.7	5210.7		+2227	+615	262,914	1,356,440	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-8-82		B. Cotcamp		M. Knapp		6834		MPL Jm		2		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		CONGER RANGE-15'		UTAH		MILLARD								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
									5183.0						
63	2640		358° 56' 17"	+16.9°	12.8	89° -	+46.2	+33.4		5216.4	TP	+2539	+720	263,227	1,356,543
63	2640				8.2	89° 06'	+41.6	+33.4			TP	"	"		
	2640		178° 49' 41" +180°	+16.9°	+13.9	90° 40'	+30.6	+44.5	5260.9		BS	+2541	+716		
	2640				+9.3	90° 46'	+35.2	+44.5			BS	"	"		
64	2310		178° 50'	+16.9°	6.3	90° 50'	-33.6	-39.9		5221.0		-2223	-626	263,546	1,356,631
65	1980		" "	" "	6.7	90° 50'	-28.8	-35.5		5225.4		-1906	-537	263,863	1,356,720
66	1650		" "	" "	6.8	90° 50'	-24.0	-30.8		5230.1		-1588	-447	264,181	1,356,810
67	1320		" "	" "	6.3	90° 50'	-19.2	-25.5		5235.4		-1271	-358	264,498	1,356,899
68	990		178° 50'	+16.9°	6.1	90° 50'	-14.4	-20.5		5240.4		-953	-268	264,816	1,356,989
69	660		" "	" "	8.1	90° 40'	-7.7	-15.8		5245.1		-635	-179	265,134	1,357,078
70	330		" "	" "	6.9	90° 40'	-3.8	-10.7		5250.2		-318	-89	265,451	1,357,168
71	0				5.4	-		-5.4		5255.5	X	0	0	265,769	1,357,257
72	330		358° 54'	+16.9°	7.3	89° -	+5.8	-1.5		5259.4		+318	+90	266,087	1,357,347
73	660		" "	" "	10.0	89° -	+11.5	+1.5		5262.4		+635	+180	266,404	1,357,437
74	990		" "	" "	9.0	89° -	+17.3	+8.3		5269.2		+953	+270	266,722	1,357,527
75	1320		" "	" "	9.9	89° -	+23.0	+13.1		5274.0		+1270	+359	267,039	1,357,616
76	1650		358° 54'	+16.9°	11.0	89° -	+28.8	+17.8		5278.7		+1588	+449	267,357	1,357,706
77	1980		" "	" "	11.2	89° -	+34.6	+23.4		5284.3		+1905	+539	267,674	1,357,796
78	2310		" "	" "	11.3	89° -	+40.3	+29.0		5289.9		+2223	+629	267,992	1,357,886

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6-8-82		B. Catcamp		M. Knapp		6834		MKL dm		2		6			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAM		CONGER RANGE-15'		UTAM		MILLARD								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 TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5260.9						
79	2641		358° 54' 22"	+16.9°	13.6	89° -	+46.2	+32.6		5293.5	TP	+2541	+719	268,311	1,357,974
79	2641				8.8	89° 06'	+41.6	+32.8			TP				
	2640		178° 55' 23" +180	+16.9°	+13.8	90° 40'	+30.6	+44.4	5337.9		BS	+2540	+720		
	2640				+13.8	269° 20'	+30.6	+44.4			BS				
80	2310		178° 55'	+16.9°	12.2	90° 40'	-26.9	-39.1		5298.8		-2223	-630	268,629	1,358,062
81	1980		" "	" "	10.7	90° 40'	-23.0	-33.7		5304.2		-1905	-540	268,947	1,358,152
82	1650		" "	" "	9.0	90° 40'	-19.2	-28.2		5309.7		-1588	-450	269,264	1,358,242
83	1320		178° 55'	" "	7.9	90° 40'	-15.4	-23.3		5314.6		-1270	-360	269,582	1,358,332
84	990		" "	+16.9°	9.1	90° 30'	-8.6	-17.7		5320.2		-953	-270	269,899	1,358,422
85	660		" "	" "	8.0	90° 30'	-5.8	-13.8		5324.1		-635	-180	270,217	1,358,512
86	330		" "	" "	6.6	90° 30'	-2.9	-9.5		5328.4		-318	-90	270,534	1,358,602
87	0				5.4	-		-5.4		5332.5	T	0	0	270,852	1,358,692
88	330		358° 55'	+16.9°	5.5	89° -	+5.8	+0.3		5338.2		+318	+90	271,170	1,358,782
89	660		" "	" "	6.0	89° -	+11.5	+5.5		5343.4		+635	+180	271,487	1,358,872
90	990		" "	" "	7.0	89° -	+17.3	+10.3		5348.2		+953	+270	271,805	1,358,962
91	1320		" "	" "	6.9	89° -	+23.0	+16.1		5354.0		+1270	+360	272,122	1,359,052
92	1650		" "	" "	7.8	89° -	+28.8	+21.0		5358.9		+1588	+450	272,440	1,359,142
93	1976		358° 43' 33"	+16.9°	6.8	89° -	+34.5	+27.7		5365.6	TP	+1903	+532	272,755	1,359,224
Bm	2001		357° 54' 29"	" "	6.5	89° -	+34.9	+28.4		5366.3	Bm	+1934	+511	272,786	1,359,203
94	2310		358° 55'	" "	10.3	89° -	+40.3	+30.0		5367.9		+2223	+630	273,075	1,359,322

y=272,720 x=1,359,230
 4 way Highway
 y=272,815 x=1,359,215
 mark on rock

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6-8-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2	7					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
UTAH		COUGER RANGE-15	UTAH	MILLARD					L. Oquis							
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.			
									5337.9							
95	2640		358° 55' 24"	+16.5	10.7	89° -	+46.2	+35.5		5373.4	TP	+2545	+702.2	273,398	1,359,392	
95	2640				15.1	88° 54'	+50.8	+35.7			TP	+1				
	2640		178° 59' 20" +180	+16.5	+11.4	90° 40'	+30.6	+42.0	5415.4		BS	+2544	+705.2			
	2640				+14.3	90° 36'	+27.5	+41.8			BS	+1				
96	2310		178° 59'	+16.5	11.0	90° 40'	-26.9	-37.9		5377.5		-2226	-617	273,717	1,359,478	
97	1980		" "	" "	8.3	90° 40'	-23.0	-31.3		5384.1		-1908	-529	274,035	1,359,566	
98	1650		" "	" "	8.4	90° 40'	-19.2	-27.6		5387.8		-1590	-440	274,353	1,359,655	
99	1320		178° 59'	" "	6.4	90° 40'	-15.4	-21.8		5393.6		-1272	-352	274,671	1,359,743	
100	990		" "	+16.5	8.7	90° 30'	-8.6	-17.3		5398.1		-954	-264	274,989	1,359,831	
101	660		" "	" "	6.8	90° 30'	-5.8	-12.6		5402.8		-636	-176	275,307	1,359,919	
102	330		" "	" "	5.0	90° 30'	-2.9	-7.9		5407.5		-318	-88	275,625	1,360,007	
103	0				5.4	-		-5.4		5410.0	π	0	0	275,943	1,360,095	
104	330		358° 58'	+16.5	6.0	88° 50'	+6.7	+0.7		5416.1		+318	+88	276,261	1,360,183	
105	660		" "	" "	10.5	88° 50'	+13.4	+2.9		5418.3		+636	+176	276,579	1,360,271	
106	990		" "	" "	12.3	88° 50'	+20.2	+7.9		5423.3		+954	+264	276,897	1,360,359	
107	1320		" "	" "	9.3	89° -	+23.0	+13.7		5429.1		+1272	+352	277,215	1,360,447	
108	1650		358° 58'	+16.5	10.8	89° -	+28.8	+18.0		5433.4		+1590	+440	277,533	1,360,535	
109	1980		" "	" "	10.8	89° -	+34.6	+23.8		5439.2		+1908	+528	277,851	1,360,623	
110	2310		" "	" "	10.2	89° -	+40.3	+30.1		5445.5		+2226	+616	278,169	1,360,711	
111	2641		" "	" "	9.1	89° -	+46.2	+37.1		5452.5		+2545	+704	278,488	1,360,799	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6-9-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2		8				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
UTAH		CONGER RANGE CONGER MTN. -15'		UTAH		MILLARD								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	X
TP	2864		355° 55' 32"	+16.5°	7.4	89° -	+50.2	+42.8	5415.4	5458.2	Sec. Coln.	+2796	+616	278,746	1,360,710	5-278,740 X-1,360,710 SECTION CORNER E. 5456
TP	2864				13.9	88° 52'	+56.8	+42.9			Sec. Coln.	+1				U.S. COASTAL SURVEY HORIZ CORR. Y-17 X-27
	5724		180° 28' 57" - 180°	+16.7°	+14.5	91° 02'	+102.6	+117.1	5575.3		BS	+5468	+1691			
	5724				+11.4	91° 04'	+105.9	+117.3			BS					
112	5610		179° 06' 05"	+16.7°	12.7	91° 04'	-103.8	-116.5		5458.8		-5401	-1518	278,807	1,360,882	
113	5280		179° 00'	" "	12.5	91° 04'	-97.7	-110.2		5465.1		-5083	-1429	279,125	1,360,971	
114	4950		" "	" "	12.4	91° 04'	-91.6	-104.0		5471.3		-4765	-1339	279,443	1,361,061	
115	4620		" "	" "	11.6	91° 04'	-85.6	-97.2		5478.1		-4448	-1250	279,760	1,361,150	
116	4290		" "	" "	11.1	91° 04'	-79.5	-90.6		5484.7		-4130	-1161	280,078	1,361,239	↑
117	3960		" "	" "	10.9	91° 04'	-73.4	-84.3		5491.0		-3812	-1072	280,396	1,361,328	CONGER RANGE
118	3630		179° 00'	+16.7°	10.4	91° 04'	-67.3	-77.7		5497.6		-3495	-982	280,713	1,361,418	CONGER MTD.
119	3300		" "	" "	10.0	91° 04'	-61.2	-71.2		5504.1		-3177	-893	281,031	1,361,507	↓
120	2970		" "	" "	9.7	91° 04'	-55.1	-64.8		5510.5		-2859	-804	281,349	1,361,596	
121	2640		" "	" "	9.2	91° 04'	-49.0	-58.2		5517.1		-2542	-714	281,666	1,361,686	
122	2310		" "	" "	8.3	91° 04'	-43.0	-51.3		5524.0		-2224	-625	281,984	1,361,775	
123	1980		179° 00'	+16.7°	7.9	91° 04'	-36.8	-44.7		5530.6		-1906	-536	282,302	1,361,864	
124	1650		" "	" "	7.4	91° 04'	-30.7	-38.1		5537.2		-1588	-446	282,620	1,361,954	
125	1320		" "	" "	7.2	91° 04'	-24.6	-31.8		5543.5		-1271	-357	282,937	1,362,043	
126	990		" "	" "	6.7	91° 04'	-18.4	-25.1		5550.2		-953	-268	283,255	1,362,132	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
6-9-82		BA. KNAPP		B. COLEMAN		6834		MPK Jm		2	9				
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
UTAH		CONGEE MTD-15'		UTAH	MILLARD										
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
											LAT.	DEP.	Y	X	
								5575.3							
127	660		179° 00'	+16.7°	6.5	91° 04'	-12.3	-18.8	5556.5		-635	-179	283,573	1,362,221	
128	330		" "	" "	9.1	90° 30'	-2.9	-12.0	5563.3		-318	-89	283,890	1,362,311	
129	0				5.4	-		-5.4	5569.9	TP	0	0	284,208	1,362,400	
130	330		358° 57'	+16.7°	7.0	88° 30'	+8.6	+1.6	5576.9		+318	+89	284,526	1,362,489	
131	660		" "	" "	9.5	88° 30'	+17.3	+7.8	5583.1		+636	+178	284,844	1,362,578	
132	990		" "	" "	11.5	88° 30'	+25.9	+14.4	5589.7		+953	+267	285,161	1,362,667	
133	1320		" "	" "	6.3	88° 50'	+26.9	+20.6	5595.9		+1271	+356	285,479	1,362,756	
134	1650		358° 57'	+16.7°	7.3	88° 50'	+33.6	+26.3	5601.6		+1589	+445	285,797	1,362,845	
135	1980		" "	" "	8.1	88° 50'	+40.3	+32.2	5607.5		+1907	+534	286,115	1,362,934	
136	2310		" "	" "	9.0	88° 50'	+47.0	+38.0	5613.3		+2224	+623	286,432	1,363,023	
137	2640		" "	" "	10.4	88° 50'	+53.9	+43.5	5618.8		+2542	+712	286,750	1,363,112	
138	2970		" "	" "	11.2	88° 50'	+60.7	+49.5	5624.8		+2860	+801	287,068	1,363,201	
139	3300		358° 57'	+16.7°	12.3	88° 50'	+67.4	+55.1	5630.4		+3178	+890	287,386	1,363,290	
140	3630		" "	" "	7.1	88° 56'	+67.8	+60.7	5636.0		+3495	+979	287,703	1,363,379	
141	3960		" "	" "	7.7	88° 56'	+74.0	+66.3	5641.6		+3813	+1068	288,021	1,363,468	
142	4290		" "	" "	7.0	88° 56'	+80.2	+73.2	5648.5		+4131	+1157	288,339	1,363,557	
143	4621		358° 57' 08"	+16.7°	15.0	88° 50' 30"	+93.9	+78.9	5654.2	TP	+4449	+1246	288,657	1,363,646	
143	4621				10.0	88° 54' 08"	+89.0	+79.0		TP					
	1651		179° 51' 09" +180	+16.5°	+3.8	91° -	+28.8	+32.6	5686.8	BS	+1584	+465			
	1651				+8.7	90° 58'	+24.0	+32.7		BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
6-9-82		M. KWAPP		B. COTCAMP		6834		MPK Jm		2	10				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
UTAH		CONGER Mtn.-15'		UTAH		MILLARD					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
									5686.8						
144	1320		180° 12' 39"	+16.5°	8.0	90° 50'	-19.2	-27.2		5659.6		-1264	-380	288,977	1,363,731
145	990		180° 13'	" "	9.3	90° 40'	-11.5	-20.8		5666.0		-948	-285	289,293	1,363,826
146	660		" "	" "	8.0	90° 40'	-7.7	-15.7		5671.1		-632	-190	289,609	1,363,921
147	330		" "	" "	6.2	90° 40'	-3.8	-10.0		5676.8		-316	-95	289,925	1,364,016
148	0				5.4	-		-5.4		5681.4	TP	0	0	290,241	1,364,111
149	330		358° 53' 30"	+16.5°	7.9	88° 40'	+7.7	-0.2		5686.6		+318	+88	290,559	1,364,199
150	657		4° 00' 51"	" "	11.3	88° 40'	+15.3	+4.0		5690.8		+615	+230	290,856	1,364,341
151	970		11° 14' 00"	" "	7.2	89° -	+16.9	+9.7		5696.5		+859	+451	291,100	1,364,562
152	1275		17° 41' 36"	" "	6.4	89° -	+22.2	+15.8		5702.6	TP	+1054	+716	291,294	1,364,826
152	1215				4.2	89° 06'	+20.0	+15.8			TP				
	990		218° 48' 12" -180	+16.5°	+11.9	90° 30'	+8.6	+20.5	5723.1		BS	+564	+814		
	990				+9.0	90° 40'	+11.5	+20.5			BS				
153	660		218° 48'	+16.5°	7.2	90° 40'	-7.7	-14.9		5708.2		-376	-543	291,481	1,365,096
154	330		" "	" "	5.3	90° 40'	-3.8	-9.1		5714.0		-188	-271	291,669	1,365,368
154	52		228° 16' 54"	" "	3.4	90° 40'	-0.6	-4.0		5719.1	IF	-22	-47	291,835	1,365,592
155	0				5.4	-		-5.4		5717.7	TP	0	0	291,857	1,365,639
156	330		59° 12'	+16.5°	10.8	91° 30'	-8.6	-19.4		5703.7		+82	+320	291,939	1,365,759
157	660		" "	" "	9.1	90° 20'	-3.8	-12.9		5710.2		+163	+640	292,020	1,366,279
158	990		" "	" "	11.0	89° 40'	+5.8	-5.2		5717.9		+245	+959	292,102	1,366,598

y-291,835 x-1,365,585
IF T-RO NORTH

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6-9-82		B. Cotcamp		M. Knapp		6834		MKK Jm		2	11						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
UTAM		CONGER MOUNTAIN-15	UTAH	MILLARD					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		
									5723.1								
159	1320		58° 41' 49"	+16.5°	7.6	89° 40'	+7.7	+0.12		5723.2	TP	+337	+1276	292,193	1,366,914		
159	1320				11.4	89° 30'	+11.5	+0.1			TP						
	980		225° 01' 01" - 180	+16.5°	+14.4	90°	+4.9	+19.3	5742.5		BS	+467	+861				
	980				+10.8	90° 30'	+8.6	+19.4			BS					AROUND	
160	651		226° 44'	+16.5°	7.9	90° 50'	-9.5	-17.4		5725.1		-293	-581	292,366	1,367,193	CORNER	
161	330		233° 49'	" "	6.8	90° 50'	-4.8	-11.6		5730.9		-111	-311	292,548	1,367,463		
162	0				5.4	-		-5.4		5737.1	X	0	0	292,659	1,367,774		
163	20		39° 28'	+16.5°	4.5	90° 50'	-0.3	-4.8		5737.7	X	+11	+17	292,670	1,367,791	Y-292,700 X-1,367,800 Y-ROAD NORTH	
163	327		38° 52'	" "	5.7	88° 40'	+7.6	+1.9		5744.4		+186	+269	292,845	1,368,043		
164	651		31° 07'	" "	7.0	88° 40'	+15.1	+8.1		5750.6		+439	+481	293,098	1,368,255	AROUND	
165	967		24° 02' 19"	" "	6.7	88° 40'	+22.5	+15.8		5758.3	TP	+735	+628	293,393	1,368,401	CORNER.	
165	967				9.4	88° 30'	+25.3	+15.9			TP						
	981		185° 43' 59" - 180	+16.5°	+9.8	91° -	+17.1	+26.9	5785.2		BS	+908	+371				
	981				+7.0	91° 10'	+20.0	+27.0			BS					AROUND	
166	654		182° 11'	+16.5°	7.9	91° -	-11.4	-19.3		5765.9		-620	-210	293,680	1,368,561	CORNER	
167	330		174° 13'	" "	6.5	91° -	-5.8	-12.3		5772.9		-324	-61	293,976	1,368,710		
168	0				5.4	-		-5.4		5779.8	X	0	0	294,300	1,368,771		
169	330		01° 22'	+16.5°	7.8	88° 30'	+8.6	+0.8		5786.0		+314	+101	294,614	1,368,872		
170	660		03° 06'	" "	8.8	88° 30'	+17.3	+8.5		5793.7		+622	+221	294,922	1,368,992		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6-9-82		B. Cotcamp		M. Knapp		6834		MPK dm		2	12						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
UTAH		Congen Mtn. - 15'	UTAH	Millard					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		
									5785.2								
171	990		03° 51' 30"	+16.5°	11.0	88° 30'	+25.9	+14.9		5800.1	TP	+928	+344	295,227	1,369,114		
171	990				8.1	88° 40'	+23.0	+14.9			TP						
	970		211° 12' 43" - 180°	+16.5°	+12.3	91° -	+16.9	+29.2			BS	+653	+717			ABOVE	
	970				+9.4	91° 10'	+19.7	+29.1	5829.2		BS					COR-01	
172	657		210° 27'	+16.5°	5.9	91° 10'	-13.4	-19.3		5809.9		-448	-480	295,431	1,369,350		
173	330		207° 08'	" "	7.1	91° 20'	-7.7	-14.8		5814.4		-239	-228	295,640	1,369,602		
174	0				5.4	-		-5.4		5823.8	X	0	0	295,879	1,369,830	2nd COR-01	
175	329		338° 21'	+16.5°	6.5	88° -	+11.5	+5.0		5834.2		+328	-30	296,207	1,369,800		
176	657		339° 21'	" "	3.5	87° 50'	+24.8	+21.3		5850.5		+655	-48	296,534	1,369,782		
177	987		340° 25' 11"	" "	9.1	87° 50'	+37.3	+28.2		5857.4	TP	+985	-53	296,863	1,369,716		
177	987				12.0	87° 40'	+40.2	+28.2			TP						
	986		158° 50' 35" + 180°	+16.5°	+11.2	84	+4.9	+16.1	5873.5		BS	+983	-80			? ABOVE	
	986				+10.4	90° 20'	+5.7	+16.1			BS					COR-01	
178	658		156° 14'	+16.5°	6.6	90° 20'	-3.8	-10.4		5863.1		-653	+83	297,192	1,369,778		
179	330		152° 25'	" "	7.5	90° 10'	-1.0	-8.5		5865.0		-324	+63	297,521	1,369,758		
180	0				5.4	-		-5.4		5868.1	X	0	0	297,845	1,369,695		
181	330		329° 54'	+16.5°	7.0	88° 30'	+8.6	+1.6		5875.1		+321	-78	298,166	1,369,617		
182	660		327° 30'	" "	9.2	88° 30'	+17.3	+8.1		5881.6		+634	-182	298,479	1,369,513		
183	986		324° 43'	" "	12.8	88° 30'	+25.8	+13.0		5886.5		+933	-317	298,778	1,369,378		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6-9-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2	13					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
UTAH		CONGER MTN. - 15'	UTAH	MILLARD					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.			
									5873.5							
184	1315		323° 38' 41"	+16.5°	9.0	88° 40'	+30.6	+21.6		5895.1	TP	+1236.	-447.	299,080	1,369,247	AROUND
184	1315				5.1	88° 50'	+26.8	+21.7			TP					CORNER
	657		147° 17' 29" +180	+16.5°	+8.8	91° -	+11.5	+20.3	5915.4		BS	+631.	-183.			
	657				+6.9	91° 10'	+13.4	+20.3			BS					
185	330		152° 21'	+16.5°	6.7	91° -	-5.8	-12.5		5902.9		-324	+64	299,386	1,369,127	
186	0				5.4	-		-5.4		5910.0	X	0	0	299,710	1,369,063	
187	330		326° 39'	+16.5°	6.5	88° 20'	+9.6	+3.1		5918.5		+316	-96	300,026	1,368,967	
188	659		322° 20' 32"	" "	6.1	88° 20'	+19.2	+13.1		5928.5	TP	+614.	-238.	300,323	1,368,824	AROUND
188	659				8.0	88° 10'	+21.1	+13.1			TP					CORNER
	646		144° 28' +180	+16.5°	+8.7	91° -	+11.3	+20.0	5948.5		BS	+611.	-211.			AROUND
	646				+6.8	91° 10'	+13.2	+20.0			BS					CORNER
189	330		156° 31'	+16.5°	7.9	91° 10'	-6.7	-14.6		5933.9		-328	+40	300,605	1,368,652	
190	0				5.4	-		-5.4		5943.1	X	0	0	300,933	1,368,612	
191	330		344° 38'	+16.5°	6.2	87° -	+17.2	+11.0		5959.5		+330	+7	301,263	1,368,619	
192	658		347° 27'	" "	5.0	87° 30'	+28.7	+23.7		5972.2		+656	+45	301,589	1,368,657	
193	987		350° 21' 17"	" "	8.8	87° 30'	+43.0	+34.2		5982.7	TP	+979.	+118.	301,911	1,368,729	
193	987				5.9	87° 40'	+40.2	+34.3			TP					
	972		166° 41' 56" +180	+16.5°	+12.8	91° -	+17.0	+29.8	6012.5		BS	+970.	+54.			+LEOUGH
	972				+10.0	91° 10'	+19.8	+29.8			BS					CORNER
194	656		159° 56'	+16.5°	7.8	91° -	-11.4	-19.2		5993.3		-655	+41	302,225	1,368,822	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6-9-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2	14						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
UTAH		CUNGER MTN. - 15'	UTAH	MILLARD					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		
									6012.5								
195	326		159° 57'	+16.5°	6.9	92° 10'	-12.3	-19.2		5993.3		-325	+20	302,555	1,368,802		
196	0				5.4	-		-5.4		6007.1	π	0	0	302,880	1,368,782		
197	330		01° 18'	+16.5°	10.5	87° -	+17.2	+6.7		6019.2		+314	+101	303,194	1,368,883		
198	655		353° 46'	" "	6.1	88° 10'	+20.9	+14.8		6027.3		+645	+117	303,525	1,368,899		
≠	713		350° 59' 21"	" "	6.5	88° 10'	+22.8	+16.3		6028.8	TP	+707.	+93.	303,586	1,368,874	AROUND IF 303,525 X 1,368,895 IF 4WAY INT. EL. 60280	
≠	713				8.6	88° -	+24.9	+16.3			TP						
K1	4-WAY INTERSECT - ELEVATION									6028.0	K1					4WAY INT. EL. 60280	
	584		172° 01' 24" +180	+16.9°	+12.6	91° -	+10.2	+22.8	6050.8		BS	+577.	+91.				
	584				+10.9	91° 10'	+11.9	+22.8			BS						
199	330		179° 40'	+16.9°	6.0	91° 10'	-6.7	-12.7		6038.1		-316	-94	303,846	1,368,870		
200	0				5.4	-		-5.4		6045.4	π	0	0	304,162	1,368,964		
201	331		12° 16' 01"	+16.9°	4.5	87° 40'	+13.5	+9.0		6059.8	TP	+289.	+161.	304,450	1,369,124		
201	331				3.5	87° 50'	+12.5	+9.0			TP						
	646		160° 17' 29" +180	+16.9°	+9.5	88° 40'	-15.0	-5.5			BS	+645.	-32.			AROUND	
	646				+7.6	88° 50'	-13.2	-5.6	6054.2		BS					CORNER	
202	328		154° 22'	+16.9°	7.2	89° 20'	+3.8	-3.4		6050.8		-324	+50	304,770	1,369,141		
203	0				5.4	-		-5.4		6048.8	π	0	0	305,094	1,369,091		
204	330		339° 46'	+16.9°	5.2	89° 10'	+4.8	-0.4		6053.8		+329	-19	305,423	1,369,072		
205	660		337° 40'	" "	5.8	88° 50'	+13.4	+7.6		6061.8		+657	-62	305,751	1,369,029		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6-10-82		B. Gtcamp		M. Knapp		6834		MPK Jm		2	15						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
UTAH		CONGER MTR.-15'	UTAH	MILLARD					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		
									6054.2								
206	990		336° 55' 35"	+16.9°	2.6	88° 50'	+20.2	+17.6			TP	+984	-106	306,078	1,368,984		
206	990				5.5	88° 40'	+23.0	+17.5		6071.7	TP						
	654		164° 43' 54" +180	+16.9°	+11.2	89° 30'	-5.7	+5.5		6077.2	BS	+654	+19			AROUND	
	654				+13.1	89° 20'	-7.6	+5.5			BS					ROUND	
207	330		170° 04'	+16.9°	10.0	89° 10'	+4.8	-5.2		6072.0		-328	-40	306,404	1,368,962		
208	0				5.4	-		-5.4		6071.8	T	0	0	306,732	1,369,002		
209	330		00° 13'	+16.9°	3.9	87° 10'	+16.3	+12.4		6089.6		+315	+97	307,047	1,369,099		
210	660		01° 00' 29"	" "	11.2	87° 10'	+32.6	+21.4		6098.6	TP	+627	+203	307,359	1,369,204		
210	660				9.3	87° 20'	+30.7	+21.4			TP						
	1319		182° 00' 47" -180	+16.9°	+9.4	91° 20'	+30.7	+40.1			BS	+1247	+427				
	1319				+5.5	91° 30'	+34.5	+40.0		6138.6	BS						
211	990		182° 35'	+16.9°	8.2	91° 20'	-23.0	-31.2		6107.4		-933	-330	307,673	1,369,300		
212	660		" "	" "	7.2	91° 20'	-15.4	-22.6		6116.0		-622	-220	307,984	1,369,410		
213	330		" "	" "	6.5	91° 20'	-7.7	-14.2		6124.4		-311	-110	308,295	1,369,520		
214	0				5.4	-		-5.4		6133.2	T	0	0	308,606	1,369,630		
215	330		04° 29'	+16.9°	6.3	88° 10'	+10.6	+4.3		6142.9		+307	+120	308,913	1,369,750		
216	660		" "	" "	7.2	88° 10'	+21.1	+13.9		6152.5		+615	+241	309,221	1,369,871		
217	990		04° 53'	" "	8.7	88° 10'	+31.7	+23.0		6161.6		+919	+367	309,525	1,369,997		
218	1320		04° 40' 59"	" "	10.3	88° 10'	+42.2	+31.9		6170.5	TP	+1227	+485	309,833	1,370,115		
218	1320				6.5	88° 20'	+38.4	+31.9			TP						

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-10-82		B. Cotcamp		M. Knapp		6834		MPE Jm		2		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Conger Mtn. - 15		UTAH		MILLARD								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
									6170.5						
	989		164° 56' 23" +180	+16.9°	+8.1	91° 40'	+28.8	+36.9			BS	+988	+32		
	989				+5.2	91° 50'	+31.6	+36.8	6207.3		BS				
219	660		163° 49'	+16.9°	7.7	91° 50'	-21.1	-28.8		6178.5		-660	-8	310,161	1,370,139
220	330		162° 50'	" "	6.3	91° 50'	-10.6	-16.9		6190.4		-330	+2	310,491	1,370,149
221	0				5.4	-		-5.4		6201.9	X	0	0	310,821	1,370,147
222	330		352° 28'	+16.9°	5.0	87° 50'	+12.5	+7.5		6214.8		+320	+54	311,147	1,370,201
223	660		354° 30'	" "	5.9	87° 50'	+24.9	+19.0		6226.3		+647	+130	311,468	1,370,277
224	989		355° 36' 36"	" "	6.5	87° 50'	+37.4	+30.9			TP	+965	+214	311,786	1,370,361
224	989				9.4	87° 40'	+40.2	+30.8		6238.1	TP				
	986		165° 14' 41" +180	+16.9°	+4.4	92° 40'	+45.8	+50.2	6288.3		BS	+984	+37		through
	986				+7.3	92° 30'	+43.0	+50.3			BS				corner
225	657		164° 18'	+16.9°	8.0	92° 40'	-30.5	-38.5		6249.8		-657	-14	312,113	1,370,384
226	330		167° 40'	" "	7.1	92° 10'	-12.5	-19.6		6268.7		-329	-26	312,441	1,370,372
227	0				5.4	-		-5.4		6282.9	X	0	0	312,770	1,370,398
228	330		344° 36'	+16.9°	5.7	87° 30'	+14.4	+8.7		6297.0		+330	+9	313,100	1,370,467
229	660		341° 05'	" "	5.2	87° 30'	+28.8	+23.6		6311.9		+660	-23	313,430	1,370,375
TP	969		338° 45' 41"	" "	5.2	87° 30'	+42.2	+37.0		6325.3	Y	+965	-73	313,735	1,370,325
TP	969				8.0	87° 20'	+45.0	+37.0			Y				
	662		179° 36' 47" +180	+16.9°	+10.9	92° 0'	+23.1	+34.0			BS	+634	+188		
	662				+8.9	92° 10'	+25.0	+33.9	6359.2		BS				

y = 313,735 x = 1,370,325
ROAD EAST
Horiz CORRE - y = -20'
x = -25'

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6-10-82		B. Cotcamp		M. Knapp		6834		MPK Ym		2		17				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
UTAM		Conger Mtn. -15'		UTAM		Millard								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
									6359.2							
230	645		179° 43'	+16.9°	9.0	92° 10'	-24.4	-33.4		6325.8		-618	-184	313,751	1,370,329	corner
231	327		189° 13'	+16.9°	7.2	92° -	-11.4	-18.6		6340.6		-294	-144	314,075	1,370,369	corner
232	0				5.4	-		-5.4		6353.8	TP	0	0	314,369	1,370,513	
231	29		15° 04' 24"	+16.9°	4.9	87° 20'	+1.3	-3.6		6355.6		-	-		1.	
233	330		31° 33'	" "	7.7	87° -	+17.2	+9.5		6368.7		+219	+247	314,588	1,370,760	
234	659		33° 09' 40"	" "	10.7	87° 40'	+26.8	+16.1		6375.3	TP	+423	+505	314,792	1,371,018	
234	659				8.8	87° 50'	+24.9	+16.1			TP					
	330		236° 12' 31" - 180	+16.9°	+2.6	88° -	-11.5	-8.9	6366.4		BS	+96	+316			
	330				+3.6	87° 50'	-12.5	-8.9			BS					
235	0				5.4	-		-5.4		6361.0	TP	0	0	314,888	1,371,334	
236	330		83° 08'	+16.9°	8.3	93° -	-17.2	-25.5		6340.9		-57	+325	314,831	1,371,659	
237	660		82° 12'	" "	7.0	92° 40'	-30.7	-37.7		6328.7		-104	+652	314,784	1,371,986	
238	988		82° 40' 11"	" "	6.2	92° 10'	-37.3	-43.5			TP	-164	+974	314,724	1,372,308	
238	988				9.2	92° -	-34.5	-43.7		6322.7	TP					
	321		275° 43' 42" - 180	+16.9°	+14.6	-		+14.6	6337.3		BS	-124	+296			90° corner
	321				+13.0	BH	+1.6	+14.6			BS					
239	0				5.4	-		-5.4		6331.9	TP	0	0	314,600	1,372,604	new
240	328		33° 30'	+16.9°	4.2	87° 10'	+16.2	+12.0		6349.3		+209	+253	314,809	1,372,857	corner
TP	422		35° 17' 42"	" "	7.5	87° -	+22.1	+14.6			TP	+258	+333	314,858	1,372,937	new
TP	422				6.3	87° 10'	+20.8	+14.5		6351.8	TP					corner

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
6-10-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2	18			
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
UTAH		Conger Mtn. -15'	UTAH	Millard					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.	
										6351.8				
	889		250° 15' 02" -180°	+16.9°	+13.4	-		+13.4	6365.2		BS	+44	+888	
	889				+9.0	84	+4.4	+13.4		BS				
241	660		250° 37'	+16.9°	9.0	-		-9.0	6356.2			-29	-659	314,873 1,373,166
242	330		" "	" "	6.3	-		-6.3	6358.9			-14	-330	314,888 1,373,495
243	0				5.4	-		-5.4	6359.8		X	0	0	314,902 1,373,825
244	325		49° 53'	+16.9°	6.7	87° 30'	+14.2	+7.5	6372.7			+128	+299	315,030 1,374,124 AROUND
245	649		37° 54' 13"	" "	4.0	87° 30'	+28.3	+24.3	6389.5		TP	+374	+530	315,276 1,374,355 CORNER.
245	649				5.9	87° 20'	+30.2	+24.3		TP				
	651		213° 06' 29" -180	+16.9°	+13.1	91° -	+11.4	+24.5	6414.0		BS	+418	+499	
	651			" "	+11.2	91° 10'	+13.3	+24.5		BS				
246	330		219° 40'	" "	6.3	91° 10'	-6.7	-13.0	6401.0			-182	-275	315,512 1,374,579 CORNER
247	0				5.4	-		-5.4	6408.6		X	0	0	315,694 1,374,854
248	322		16° 29'	+16.9°	4.4	90° 50'	-4.7	-9.1	6404.9			+269	+177	315,963 1,375,031 AROUND
249	652		14° 24' 24"	" "	8.6	89° -	+11.4	+2.8	6416.8		TP	+557	+339	316,251 1,375,193 CORNER.
249	652				10.5	88° 50'	+13.3	+2.8		TP				
	660		200° 14' 30" -180	+16.9°	+7.1	93° -	+34.5	+41.6	6458.4		BS	+525	+398	
	330 660				+9.0	92° 50'	+32.6	+41.6		BS				
250	330		200° 15'	+16.9°	11.8	93° -	-17.2	-29.0	6429.4			-263	-199	316,513 1,375,392
251	280		202° 35' 32"	" "	10.0	94° -	-19.5	-29.5	6428.9		HI	-216	-178	316,560 1,375,413 HI T-RD EAST.
251	0				5.4	-		-5.4	6453.0		X	0	0	316,776 1,375,591

13-316,570 x-1,375,455
T-RD EAST.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6-10-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2	19						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
UTAM		Conger MTN. - 15	UTAM	Millard					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		
									6458.4								
252	330		13° 12'	+16.9°	6.7	87° 40'	+13.4	+6.7		6465.1		+286	+166	317,062	1,375,757		
253	659		09° 53'	" "	5.6	87° 40'	+26.8	+21.2		6479.6		+588	+297	317,364	1,375,888		
TP	849		09° 27' 41"	" "	6.5	87° 40'	+34.5	+28.0		6486.4	TP	+760	+377	317,536	1,375,968		
TP	849				9.0	87° 30'	+37.0	+28.0			TP						
	729		204° 26' 55" - 180	+16.9°	+7.9	92° -	+25.4	+33.3		6519.7	BS	+547	+481				
	729				+5.8	92° 10'	+27.5	+33.3			BS						
254	583		204° 23'	+16.9°	8.1	92° -	-20.3	-28.4		6491.3		-438	-385	317,645	1,376,064		
255	254		200° 55'	" "	5.9	92° -	-8.9	-14.8		6504.9		-201	-156	317,882	1,376,293		
π	0				5.4	-		-5.4		6514.3	π	0	0	318,083	1,376,449	ACROSS ROAD	
256	75		26° 11'	+16.9°	5.0	92° -	-2.6	-7.6		6512.1		+55	+51	318,138	1,376,500		
257	404		26° 33'	" "	6.8	89° -	+7.0	+10.2		6519.9		+293	+278	318,376	1,376,727		
258	729		23° 15' 51"	" "	5.2	88° 40'	+17.0	+11.8		6531.5	TP	+557	+470	318,640	1,376,919	THROUGH CORNER	
258	729				7.3	88° 30'	+19.1	+11.8			TP						
	641		185° 44' 29" - 180	+16.9°	+8.2	92° -	+22.4	+30.6			BS	+591	+247			THROUGH CORNER	
	641				+6.3	92° 10'	+24.2	+30.5		6562.0	BS						
259	323		196° 48'	+16.9°	6.9	92° 10'	-12.2	-19.1		6542.9		-269	-179	318,962	1,376,987		
260	0				5.4	-		-5.4		6556.6	π	0	0	319,231	1,377,166		
261	330		21° 45'	+16.9°	4.1	87° -	+17.2	+13.1		6575.1		+258	+206	319,489	1,377,372		
262	655		27° 43' 06"	" "	9.5	87° -	+34.2	+24.7		6586.7	TP	+466	+459	319,697	1,377,625	X - COUNTRY.	
262	655				7.6	87° 10'	+32.3	+24.7			TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6-10-82		B. Cotcamp		M. Knapp		6834		MPK Lm		2	20					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
UTAH		Conger MTN. -15'	UTAH	MILLARD					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	
										6586.7						
	657		231° 46' 06" -180	+16.9°	+13.3	91° 10'	+13.4	+26.7			BS	+239	+612			through
	657				+14.8	91° 02'	+11.8	+26.6	6613.3		BS					corner
263	330		233° 49'	+16.9°	11.0	91° 20'	-7.7	-18.7		6594.6		-109	-311	319,827	1,377,926	
264	0				5.4	-		-5.4		6607.9	X	0	0	319,936	1,378,237	
265	330		50° 33'	+16.9°	5.7	89° 40'	+1.9	-3.8		6609.5		+127	+305	320,063	1,378,542	
266	660		48° 27' 42"	" "	3.9	89° 10'	+9.6	+5.7		6619.0	TP	+275	+600	320,211	1,378,837	
266	660				5.8	89° -	+11.5	+5.7			TP					
	330		202° 40' 01" -180	+16.9°	+6.1	92° -	+11.5	+17.6	6636.6		BS	+254	+210			
	330				+7.1	91° 50'	+10.6	+17.7			BS					
267	0				5.4	-		-5.4		6631.2	X	0	0	320,465	1,379,047	
268	321		48° 42' 12"	+16.9°	10.0	88° 40'	+7.5	-2.5		6634.1	TP	+133	+292	320,598	1,379,339	Around
268	321				9.0	88° 50'	+6.5	-2.5			TP					corner
	493		268° 22' 30" -180	+16.9°	+11.1	92° -	+17.2	+28.3	6662.4		BS	-130	+475			
	493				+9.7	92° 10'	+18.6	+28.3			BS					
269	164		265° 59'	+16.9°	5.8	91° 40'	-4.8	-10.6		6651.8		+37	-160	320,505	1,379,654	
X	0				5.4	-		-5.4		6657.0	X	0	0	320,468	1,379,814	off line
270	185		40° 07'	+16.9°	4.1	89° 30'	+1.6	-2.5		6659.9		+101	+155	320,569	1,379,969	
271	515		37° 31'	" "	5.0	88° 10'	+16.5	+11.5		6673.9		+300	+419	320,768	1,380,233	
272	832		30° 33' 49"	" "	2.7	88° 10'	+26.6	+23.9			TP	+562	+613	321,030	1,380,427	through
272	832				5.2	88° -	+29.0	+23.8		6686.2	TP					corner

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6-10-82		B. Cotcamp		M. Knapp		6834		MPR Jm		2	21					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
UTAH		CONGER Mtn. - 15'	UTAH	MILLARD					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	
										6686.2						
	659		190° 21' 13" - 180°	+16.9°	+12.7	92°	+23.0	+35.7			BS	+585	+302			
	659				+10.7	92° 10'	+24.9	+35.6	6721.8		BS					
273	330		188° 41'	+16.9°	7.1	92°	-11.5	-18.6		6703.2		-298	-143	321,317	1,380,586	
274	0				5.4	-		-5.4		6716.4	π	0	0	321,615	1,380,729	
275	330		06° 35'	+16.9°	7.2	88° 50'	+6.7	-0.5		6721.3		+303	+132	321,918	1,380,861	
276	660		05° 09' 24"	+16.9°	11.1	88° 50'	+13.4	+2.3		6724.1	TP	+612	+248	322,227	1,380,977	Access STA.
276	660				9.2	89°	+11.5	+2.3			TP					
	330		191° 54' 41" - 180°	+16.9°	+6.6	89°	-5.8	+0.8	6724.9		BS	+289	+159			
	330				+5.6	89° 10'	4.8	+0.8			BS					
277	0311		191° 21' 37"	+16.9°	6.0	89° 10'	+4.5	-1.5		6723.4		-	-			
277	0				5.4	-		-5.4		6719.5	π	0	0	322,516	1,381,136	
278	330		05° 14'	+16.9°	7.5	-		-7.5		6717.4		+306	+124	322,822	1,381,260	
279	657		02° 01' 47"	" "	6.3	90° 40'	-7.6	-13.9		6711.0	TP	+621	+213	323,137	1,381,349	
279	657				4.3	90° 50'	-9.6	-13.9			TP					
	330		183° 19' 50" - 180°	+16.9°	+4.8	88°	-11.5	-6.7			BS	+309	+114			
	330				+5.7	87° 50'	-12.5	-6.8	6704.2		BS					
280	0				5.4	-		-5.4		6698.8	π	0	0	323,446	1,381,463	
281	330		05° 34'	+16.9°	9.3	94° 20'	-24.9	-34.2		6670.0		+305	+126	323,751	1,381,589	
282	660		06° 07'	" "	9.7	93° 40'	-42.1	-51.8		6652.4		+607	+258	324,053	1,381,721	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6-10-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2	22						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
UTAH		CONGER MTN. - 15	UTAH	MILLARD					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		
									6704.2								
283	989		05° 20' 32"	+16.9°	7.3	93° 10'	-54.6	-61.9		6642.3	TP	+914	+374	324,360	1,381,837	Across STA.	
283	989				16.2	93° -	-51.7	-61.9			TP						
	1321		193° 39' 31" - 180	+16.9°	+9.1	88° -	-46.1	-37.0	6605.3		BS	+1137	+671				
	1321				+5.2	88° 10'	-42.2	-37.0			BS						
284	990		193° 33'	+16.9°	7.2	88° -	+34.5	+27.3		6632.6		-853	-502	324,644	1,382,006		
285	660		193° 20'	" "	6.3	88° -	+23.0	+16.7		6622.0		-570	-332	324,927	1,382,176		
286	330		192° 21'	" "	6.9	88° -	+11.5	+4.6		6609.9		-288	-161	325,209	1,382,347		
287	0				5.4	-		-5.4		6599.9	T	0	0	325,497	1,382,508		
288	330		356° 56'	+16.9°	6.3	90° 40'	-3.8	-10.1		6595.2		+320	+79	325,817	1,382,587		
289	657		354° 18'	" "	8.6	91° 20'	-15.3	-23.9		6581.4		+644	+128	326,141	1,382,636		
290	986		352° 05' 28"	" "	9.7	91° 30'	-25.8	-35.5			TP	+974	+154	326,471	1,382,662		
290	986				6.9	91° 40'	-28.7	-35.6		6569.7	TP						
	658		166° 20' 28" + 180	+16.9°	+6.5	88° -	-23.0	-16.5	6553.2		BS	+657	+37				
	658				+4.6	88° 10'	-21.0	-16.4			BS						
291	330		163° 27'	+16.9°	5.1	88° 10'	+10.6	+5.5		6558.7		-330	-2	326,798	1,382,697		
292	0				5.4	-		-5.4		6547.8	T	0	0	327,128	1,382,699		
293	330		344° 49'	+16.9°	5.3	91° 50'	-10.6	-15.9		6537.3		+330	+10	327,458	1,382,709		
294	658		345° 14'	" "	6.0	91° 40'	-19.1	-25.1		6528.1		+658	+24	327,786	1,382,723	+400-gL	
295	985		346° 53' 27"	" "	6.9	91° 10'	-20.1	-27.0		6526.2	TP	+983	+65	328,111	1,382,764	Corner	
295	985				9.8	91° -	-17.2	-27.0			TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-12-82		B. Catcamp		M. Knapp		6834		MPK Jm		2		23			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Casper Mountain -15'		UTAH		Millard								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
										6526.2					
	329		194° 28' 46" -180	+16.9°	+6.6	87° 0'	-17.2	-10.6	6515.6		BS	+280	+171		
	329				+5.6	87° 10'	-16.2	-10.6			BS				
296	0				5.4	-		-5.4		6510.2	TP	0	0	328,391	1,382,935
297	330		20° 44'	+16.9°	6.0	91° 0'	-5.8	-11.8		6503.8		+261	+202	328,652	1,383,137
TP	440		21° 11' 53"	+16.9°	10.4	91° 0'	-7.7	-18.1		6497.5	TP	+346	+271	328,737	1,383,206
TP	440				9.1	91° 10'	-9.0	-18.1			TP				
	522		190° 11' 59" -180	+16.7°	+12.7	-		+12.7	6510.2		BS	+466	+236		
	522				+11.2	90° 10'	+1.5	+12.7			BS				AROUND CORNER
298	322		177° 48'	+16.7°	13.2	90° 20'	-1.9	-15.1		6495.1		-312	-81	328,891	1,383,361
299	0				5.4	-		-5.4		6504.8	TP	0	0	329,263	1,383,442
300	330		27° 46'	+16.7°	4.7	88° 20'	+9.6	+4.9		6515.1		+236	+231	329,439	1,383,673
301	660		31° 06' 32"	" "	7.0	88° 10'	+21.1	+14.1		6524.3	TP	+443	+489	329,646	1,383,931
301	660				8.9	88° 0'	+23.0	+14.1			TP				
	659		196° 54' 25" -180	+16.7°	+12.2	92° 0'	+23.0	+35.2			BS	+549	+365		
	659				+10.2	92° 10'	+24.9	+35.1	6559.4		BS				
302	330		195° 20'	+16.7°	7.3	92° 20'	-13.4	-20.7		6538.7		-280	-175	329,915	1,384,121
303	0				5.4	-		-5.4		6554.0	TP	0	0	330,195	1,384,296
304	330		10° 22'	+16.7°	5.7	87° 30'	+14.4	+8.7		6568.1		+294	+150	330,489	1,384,446
305	656		04° 04'	" "	7.0	87° 30'	+28.6	+21.6		6581.0		+613	+233	330,808	1,384,529

y-328,740 x-1,383,200
T-RD EAST

around corner

around corner

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6-15-82		INSTRUMENT MAN B. Cotcamp		ROD MAN M. Knapp		PARTY NUMBER 6834		NOTES CHECKED BY MKK Jon		LINE NO. 2	PAGE 24								
AREA UTAH		TOPO MAP Congoer Mtn. - 15'		STATE UTAH		COUNTY Millard		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				
									6559.4										
306	969		11° 44' 50"	+16.7°	10.3	86° 20'	+61.8	+51.5		6610.9	TP	+850	+461	331,045	1,384,757			AROUND CORNER	
306	969				7.5	86° 30'	+59.0	+51.5			TP								
	326		199° 17' 18" - 180	+16.7°	+7.3	92° -	+11.4	+18.7	6629.6		BS	+264	+191					AROUND CORNER	
	326				+6.4	92° 10'	+12.3	+18.7			BS								
307	0				5.4	-		-5.4		6624.2	X	0	0	331,309	1,384,948				
308	330		06° 19'	+16.7°	5.4	88° 20'	+9.6	+4.2		6633.8		+304	+129	331,613	1,385,077				
309	660		05° 51'	" "	3.6	88° 20'	+19.2	+15.6		6645.2		+610	+253	331,919	1,385,201				
TP	770		04° 45' 10"	" "	9.2	87° 50'	+29.1	+19.9		6649.5	TP	+716	+281	332,025	1,385,229			IN CORNER	
TP	770				7.0	88° -	+26.9	+19.9			TP								
	540		140° 26' 19" - 180	+16.7°	+13.2	94° -	+37.6	+50.8			BS	+496	-209						
	540				+11.6	94° 10'	+39.1	+50.7	6700.2		BS								
310	340		128° 35'	+16.7°	14.1	93° 40'	-21.7	-35.8		6664.4		-279	+194	332,242	1,385,214			AROUND 90°	
311	34		101° 11'	" "	6.2	-		-6.2		6694.0		-16	+30	332,505	1,385,050			CORNER	
X	0				5.4	-		-5.4		6694.8	X	0	0	332,521	1,385,020				
312	300		338° 20'	+16.7°	4.7	93° 10'	-16.5	-21.2		6679.0		+299	-26	332,820	1,384,994				
TP	439		341° 09' 35"	" "	7.6	93° -	-22.9	-30.5		6669.7	TP	+438	-16	332,959	1,385,004				
TP	439				6.3	93° 10'	-24.2	-30.5			TP								
	642		187° 20' 12" - 180	+16.7°	+8.9	86° -	-44.7	-35.8	6633.9		BS	+585	+261						
	642				+10.7	85° 50'	-46.5	-35.8			BS								
313	451		186° 09'	+16.7°	7.5	86° 20'	+28.8	+21.3		6655.2		-416	-175	333,128	1,385,090				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-15-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Conger Mtn. -15'		UTAH		Millard								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
									6633.9						
314	121		181° 48'	+16.7°	4.3	86° 20'	+7.7	+3.4		6637.3		-115	-38	333,429	1,385,227
X	0				5.4	-		-5.4		6628.5	X	0	0	333,544	1,385,265
315	210		347° 28'	+16.7°	5.1	92° 30'	-9.2	-14.3		6619.6		+209	+15	333,753	1,385,280
316	540		348° 43' 53"	" "	12.9	91° 40'	-15.7	-28.6		6605.3	TP	+537	+51	334,081	1,385,316 Across str.
316	540				11.3	91° 50'	-17.3	-28.6			TP				
	322		215° 13' 55" -180	+16.7°	+10.4	84° -	-33.5	-23.1	6582.2		BS	+198	+252		
	322				+9.5	84° 10'	-32.6	-23.1			BS				
317	0				5.4	-		-5.4		6576.8	X	0	0	334,279	1,385,568
318	330		359° 49'	+16.7°	10.9	94° 10'	-23.9	-34.8		6547.4		+316	+94	334,595	1,385,662
319	655		357° 24'	" "	9.0	93° 50'	-43.7	-52.7		6529.5		+635	+160	334,914	1,385,728
320	982		354° 27'	" "	5.2	92° 10'	-37.1	-42.3		6539.9		+963	+190	335,242	1,385,758
TP	1023		354° 09' 42"	" "	3.7	92° -	-35.7	-39.4		6542.8	TP	+1004	+193	335,283	1,385,761
TP	1023				6.7	91° 50'	-32.7	-39.4			TP				
	591		198° 08' 17" -180	+16.7°	+4.6	85° 20'	-47.9	-43.3	6499.5		BS	+483	+336		ALOWP
	591				+6.3	85° 10'	-49.6	-43.3			BS				CORNER
321	320		195° 34'	+16.7°	11.0	85° 30'	+25.0	+14.0		6513.5		-271	-171	335,495	1,385,926
322	0				5.4	-		-5.4		6494.1	X	0	0	335,766	1,386,097
323	329		06° 49' 10"	+16.7°	3.1	90° 10'	-1.0	-4.1		6495.4	TP	+302	+131	336,068	1,386,228
323	329				4.1	-		-4.1			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6-15-82		B. Cotcamp		M. Knapp		6834		MAC dm		2	26					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
UTAH		Conger Mtn. - 15'	UTAH	MILLARD					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	
									6495.4							
	966		183° 42' 56" - 180	+16.7°	+4.8	-		+4.8	6500.2		BS	+905	+337			THROUGH
	966				+9.6	TH	-4.8	+4.8		BS						
324	642		182° 49'	+16.7°	22.2	90° 24'	-4.5	-26.7		6473.5		-605	-214	336,368	1,386,351	" "
325	328		173° 21'	" "	11.8	91° -	-5.7	-17.5		6482.7		-323	-57	336,650	1,386,508	" "
326	0				5.4	-		-5.4		6494.8	X	0	0	336,973	1,386,565	
327	330		359° 30'	+16.7°	6.5	88° 50'	+6.7	+0.2		6500.4		+317	+92	337,290	1,386,657	
328	653		05° 27' 14"	" "	8.0	89° 10'	+9.5	+1.5		6501.7	TP	+605	+246	337,578	1,386,811	THROUGH
328	653				9.8	89° -	+11.4	+1.6			TP					CORNER
	325		187° 17' 08" - 180	+16.7°	+8.0	87° 40'	-13.2	-5.2			BS	+297	+132			" "
	325				+7.0	87° 50'	-12.3	-5.3	6496.4		BS					" "
329	0				5.4	-		-5.4		6491.0	X	0	0	337,875	1,386,943	
330	330		347° 22'	+16.7°	7.2	91° 30'	-8.6	-15.8		6480.6		+329	+23	338,204	1,386,966	
331	660		" " "	" "	6.8	90° 50'	-9.6	-16.4		6480.0		+658	+47	338,533	1,386,990	
TP	830		344° 46' 42"	" "	3.3	90° 50'	-12.1	-15.4		6481.0	TP	+830	+21	338,705	1,386,964	
TP	830				5.7	90° 40'	-9.7	-15.4			TP					
	490		205° 49' 03" - 180	+16.7°	+5.3	84° 10'	-49.5	-44.2			BS	+360	+330			AROUND
	490				+3.8	84° 20'	-48.1	-44.3	6436.7		BS					CORNER
332	325		209° 40'	+16.7°	4.2	85° 20'	+26.4	+22.2		6458.9		-224	-235	338,840	1,387,059	" "
333	0				5.4	-		-5.4		6431.3	X	0	0	339,064	1,387,294	ACROSS STA.
334	329		13 36	+16.7°	5.7	94 10	-23.8	-29.5		6407.2		+284	+166	339,348	1,387,460	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6-15-82		B. Cotcamp		M. Knapp		6834		MAC Jm		2	27						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
UTAM		Conger MTN-15'	UTAM	MILLARD					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		
									6436.7								
TP	491		11° 35' 59"	+16.7°	6.2	94° 10'	-35.6	-41.8		6394.9	TP	+431	+232	339,494	1,387,526		
TP	491				4.8	94° 20'	-37.0	-41.8			TP	-1					
	489		179° 29' 36" +180	+16.7°	+6.3	88° -	-17.1	-10.8	6384.1		BS	+469	+136			Through	
	489				+4.9	88° 10'	-15.6	-10.7			BS	-1				CONG	
335	324		181° 36'	+16.7°	12.9	88° 10'	+10.4	-2.5		6381.6		-308	-102	339,654	1,387,560		
336	0				5.4	-		-5.4		6378.7	T	0	0	339,962	1,387,662		
337	330		12° 23'	+16.7°	9.2	93° 40'	-21.1	-30.3		6353.8		+288	+160	340,250	1,387,822		
338	658		13° 19' 52"	" "	8.7	92° 50'	-32.5	-41.2		6342.9	TP	+569	+329	340,530	1,387,991		
338	658				10.6	92° 40'	-30.6	-41.2			TP	-1					
	501		190° 31' 41" -180	+16.7°	+6.3	85° 40'	-37.7	-31.4	6311.5		BS	+444	+229				
	501				+4.9	85° 50'	-36.3	-31.4			BS	-1					
339	171		189° 38'	+16.7°	10.9	85° 30'	+13.4	+2.5		6314.0		-153	-76	340,820	1,388,144		
T	0				5.4	-		-5.4		6306.1	T	0	0	340,973	1,388,220	T	
340	160		357° 22'	+16.7°	5.5	93° 30'	-9.7	-15.2		6296.3		+155	+39	341,128	1,388,259	Conger MTN-15'	
341	489		357° 11'	" "	7.6	93° 30'	-29.8	-37.4		6274.1		+475	+117	341,448	1,388,337	Cowboy Pass-15'	
342	820		356° 47' 31"	" "	5.4	93° 30'	-50.0	-55.4		6256.1	TP	+796	+191	341,768	1,388,411	ACROSS ↓	
342	820				7.8	93° 20'	-47.6	-55.4			TP					STA.	
	1059		175° 16' 17" +180	+16.7°	+4.8	87° 40'	-43.1	-38.3	6217.8		BS	+1035	+219				
	1059				+7.9	87° 30'	-46.2	-38.3			BS						
343	731		177° 07'	+16.7°	5.7	88° 30'	+19.1	+13.4		6231.2		-710	-175	342,092	1,388,455		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6-15-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2	28					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
UTAM		Cowboy Pass-15'	UTAM	Millard					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	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
									6217.8							
344	409		181° 36'	+16.7°	4.2	-		-4.2		6213.6		-388	-128	342,414	1,388,502	
345	79		183° 09'	" "	7.2	-		-7.2		6210.6		-74	-27	342,728	1,388,603	
X	0				5.4	-		-5.4		6212.4	X	0	0	342,802	1,388,630	
346	250		16° 50'	+16.7°	7.0	93° -	-13.1	-20.1		6197.7		+208	+138	343,010	1,388,768	
347	580		15° 150'	" "	3.3	93° 20'	-33.7	-37.0		6180.8		+489	+312	343,291	1,388,942	
TP	796		14° 49' 23"	" "	8.1	92° 50'	-39.3	-47.4		6170.4	TP	+678	+416	343,479	1,389,046	
TP	796				5.8	93° -	-41.6	-47.4			TP					
	1095		182° 26' 26" - 180°	+16.7°	+6.6	86° 50'	-60.4	-53.8			BS	+1033	+358			
	1095				+9.7	86° 40'	-63.6	-53.9	6116.5		BS	-1				
348	986		181° 27'	+16.7°	14.4	87° 20'	+45.8	+31.4		6147.9		-937	-307	343,574	1,389,097	
349	660		179° 04'	" "	11.5	88° -	+23.0	+11.5		6128.0		-635	-179	343,876	1,389,225	
350	330		178° 26'	" "	5.4	88° -	+11.5	+6.1		6122.6		-319	-86	344,192	1,389,318	
351	0				5.4	-		-5.4		6111.1	X	0	0	344,511	1,389,404	
352	330		02° 53'	+16.7°	6.0	93° -	-17.2	-23.2		6093.3		+311	+111	344,822	1,389,515	AROUND
353	655		07° 46'	" "	9.3	93° -	-34.2	-43.5		6073.0		+596	+271	345,107	1,389,675	CORNER
354	983		06° 04' 59"	" "	14.3	93° 04'	-52.5	-66.8		6049.7	TP	+905	+380	345,415	1,389,784	" "
354	983				12.6	93° 10'	-54.2	-66.8			TP	-1				
	974		181° 15' 23" - 180°	+16.7°	+1.0	86° 50'	-53.7	-52.7	5997.0		BS	+925	+300			
	974				+3.8	86° 40'	-56.5	-52.7			BS	-1				
355	644		181° 37'	+16.7°	2.6	87° 20'	+29.9	+27.3		6024.3		-611	-202	345,728	1,389,882	

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6-15-82		B. Cotcamp		M. Knapp		6834		MOK Lm		2	29						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
UTAM		Cowboy Pass-15'		UTAM		MILLARD					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		
									5997.0								
356	324		186° 40'	+16.7°	12.0	87° -	+16.9	+4.9		6001.9		-297	-129	346,042	1,389,955	around cur.	
357	0				5.4	-		-5.4		5991.6	X	0	0	346,339	1,390,084		
358	330		359° 11'	+16.7°	5.3	91° 20'	-7.7	-13.0		5984.0		+317	+90	346,656	1,390,174		
359	659		359° 04' 29"	" "	13.2	90° 30'	-5.8	-19.0		5978.0	TP	+634	+179	346,972	1,390,263		
359	659				11.2	90° 40'	-7.7	-18.9			TP						
	657		167° 07' 35" +180°	+16.7°	+13.4	85° 40'	-49.5	-36.1	5941.9		BS	+654	+44				
	657				+14.5	85° 34'	-50.6	-36.1			BS	-1					
360	330		164° 52'	+16.7°	7.1	85° 10'	+27.7	+20.6		5962.5		-330	-9	347,295	1,390,298		
361	0				5.4	-		-5.4		5936.5	X	0	0	347,625	1,390,307		
362	330		356° 29'	+16.7°	6.6	93° 10'	-18.2	-24.8		5917.1		+321	+75	347,946	1,390,382		
TP	532		03° 02' 12"	" "	10.8	93° 10'	-29.3	-40.1			TP	+500	+179	348,124	1,390,486		
TP	532				9.3	93° 20'	-30.9	-40.2		5901.7	TP						
	609		186° 22' 50" -180°	+16.7°	+8.5	88° -	-21.2	-12.7	5889.0		BS	+560	+239				
	609				+6.8	88° 10'	-19.5	-12.7			BS						
363	495		185° 04'	+16.7°	7.3	89° 30'	+4.3	-3.0		5886.0		-460	-184	348,223	1,390,541		
364	170		181° 38'	" "	7.1	89° 30'	+1.5	-5.6		5883.4		-161	-53	348,522	1,390,672		
X	0				5.4	-		-5.4		5883.6	X	0	0	348,683	1,390,725	around 90°	
365	191		287° 52'	+16.7°	6.5	88° 20'	+5.6	-0.9		5888.1		+108	-157	348,791	1,390,568	around	
366	523 523		286° 48'	" "	6.4	86° -	+36.4	+30.0		5919.0		+289	-436	348,972	1,390,289	" "	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-15-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2		30			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Cowboy Pass-15'		UTAH		M. ILLARO								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5889.0						
TP	573		290° 57' 29"	+16.7°	7.1	85° 50'	+41.5	+34.4		5923.4	TP	+349	-452	349,031	1,390,273
TP	573				8.8	85° 40'	+43.2	+34.4			TP				
	586		168° 31' 41" +180°	+16.7°	+9.1	87° -	-30.6	-21.5	5901.9		BS	+583	+53		
	586				+7.4	87° 10'	-28.9	-21.5			BS				
367	371		182° 13'	+16.7°	9.6	86° 20'	+23.7	+14.1		5916.0		-351	-120	349,262	1,390,206
368	80		133° 00'	" "	9.3	95° 50'	-8.1	-17.4		5884.5		-69	+40	349,544	1,390,366
X	0				5.4	-		-5.4		5896.5	X	0	0	349,613	1,390,326 OFF ROAD
369	268		02° 24'	+16.7°	11.5	96° -	-27.9	-39.4		5862.5		+253	+88	349,866	1,390,414
370	589		359° 28'	" "	6.7	95° -	-51.1	-57.8		5844.1		+566	+164	350,179	1,390,490
TP	700		359° 20' 57"	" "	8.7	94° 50'	-58.8	-67.5			TP	+670	+193	350,282	1,390,519
TP	700				10.8	94° 40'	-56.8	-67.6		5834.3	TP				
	472		196° 58' 54" -180°	+16.7°	+11.9	84° 40'	-43.7	-31.8	5802.5		BS	+391	+261		
	472				+13.3	84° 30'	-45.0	-31.7			BS				
371	255		190° 54'	+16.7°	3.8	87° -	+13.3	+9.5		5812.0		-226	-118	350,446	1,390,662
X	0				5.4	-		-5.4		5797.1	X	0	0	350,672	1,390,780
372	75		03° 46'	+16.7°	6.4	93° 10'	-4.1	-10.5		5792.0		+70	+26	350,742	1,390,806
373	403		356° 57'	" "	7.1	93° 10'	-22.2	-29.3		5773.2		+392	+95	351,064	1,390,875
374	720		04° 47' 30"	" "	9.9	93° 10'	-39.7	-49.6		5752.9	TP	+669	+263	351,340	1,391,043 AROUND @
374	720				7.8	93° 20'	-41.8	-49.6			TP				CORNER

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6-15-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2	31					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
UTAM		Cowboy Pass-15'	UTAM	Millard					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	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
										5752.9						
	360		182° 21' 37" - 180°	+16.7°	+6.4	87°	-18.8	-12.4	5740.5		BS	+340	+117			
	360				+5.4	87° 10'	-17.8	-12.4			BS	-				
375	49		132° 46'	+16.7°	6.2	88° 50'	+1.0	-5.2		5735.3		-42	+25	351,637	1,391,185	
T	0				5.4	-		-5.4		5735.1	T	0	0	351,679	1,391,160	OFF ROAD
376	301		16° 13'	+16.7°	6.9	92° 50'	-14.9	-21.8		5718.7		+253	+164	351,932	1,391,324	
TP	400		14° 14' 22"	" "	7.7	93°	-20.9	-28.6		5711.9	TP	+343	+205	352,021	1,391,365	
TP	400				6.5	93° 10'	-22.1	-28.6			TP	-				
	553		171° 19' 59" + 180°	+16.7°	+6.5	87° 20'	-25.7	-19.2	5692.7		BS	+547	+77			
	553				+4.9	87° 30'	-24.1	-19.2			BS	-				
377	327		172° 47'	+16.7°	6.7	87° 10'	+16.1	+9.4		5702.1		-323	-54	352,244	1,391,388	
378	0				5.4	-		-5.4		5687.3	T	0	0	352,567	1,391,442	ACROSS STA.
379	330		01° 01'	+16.7°	3.8	92°	-11.5	-15.3		5677.4		+314	+100	352,801	1,391,542	
380	660		00° 27'	" "	6.3	91° 50'	-21.1	-27.4		5665.3		+631	+195	353,198	1,391,637	through
381	982		00° 21' 48"	" "	12.7	91° 50'	-31.4	-44.1		5648.6	TP	+938	+288	353,504	1,391,730	corner (B)
381	982				9.8	92°	-34.3	-44.1			TP	-				
	1320		180° 01' 49" - 180°	+16.7°	+5.4	87°	-69.0	-63.6	5585.0		BS	+1262	+379			
	1320				+9.3	86° 50'	-72.8	-63.5			BS	-				
382	990		179° 37'	+16.7°	10.8	86° 50'	+54.6	+43.8		5628.8		-950	-278	353,815	1,391,831	
383	660		179° 27'	" "	7.9	86° 50'	+36.4	+28.5		5613.5		-634	-184	354,131	1,391,925	
384	330		179° 21'	" "	9.8	86° 50'	+18.2	+8.4		5593.4		-317	-91	354,448	1,392,018	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6-15-82		B. Cotcamp		M. Knapp		6834		MPC Jm		2	32						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
UTAH		Cowboy Pass - 15'		UTAH		Millard					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		
									5585.0								
385	0				5.4	-		-5.4		5579.6	TP	0	0	354,765	1,392,109		
386	328		351° 38'	+16.7°	6.2	91° 10'	-6.7	-12.9		5572.1		+325	+48	355,090	1,392,157		
387	658		353° 26'	" "	10.4	91° 20'	-15.3	-25.7		5559.3		+648	+116	355,413	1,392,225		
388	987		354° 49' 53"	" "	13.2	91° 30'	-25.8	-39.0		5546.0	TP	+967	+197	355,731	1,392,306		
388	987				10.3	91° 40'	-28.7	-39.0			TP						
	990		177° 21' 13" +180	+16.7°	+0.8	88° -	-34.5	-33.7	5512.3		BS	+960	+240				
	990				+3.7	87° 50'	-37.4	-33.7			BS						
389	660		177° 31'	+16.7°	8.9	87° 40'	+26.8	+17.9		5530.2		-640	-162	356,050	1,392,384		
390	330		" "	" "	9.9	87° 40'	+13.4	+3.5		5515.8		-320	-81	356,370	1,392,465		
391	0				5.4	-		-5.4		5506.9	TP	0	0	356,690	1,392,546		
392	330		355° 54'	+16.7°	4.3	91° 50'	-10.6	-14.9		5497.4		+322	+72	357,012	1,392,618		
393	660		354° 16'	" "	5.7	91° 50'	-21.1	-26.8		5485.5		+648	+126	357,338	1,392,672		
394	990		354° 10'	" "	5.9	91° 30'	-25.9	-31.8		5480.5		+972	+187	357,662	1,392,733		
395	1319		354° 00' 50"	" "	1.8	91° 30'	-34.5	-36.3		5476.0	TP	+1296	+245	357,985	1,392,791		
395	1319				5.6	91° 20'	-30.7	-36.3			TP						
	1245		175° 13' +180	+16.7°	+9.0	89° -	-21.7	-12.7	5463.3		BS	+1218	+257				
	1245				+5.4	89° 10'	-18.1	-12.7			BS						
≠	919		177° 08' 31"	+16.7°	9.1	89° 10'	+13.4	+4.3		5467.6	≠	-892	-220	358,310	1,392,828	≠	3-358,240 x-1,392,800 T. RD. SOUTH
396	917		176° 35'	" "	9.1	89° 10'	+13.3	+4.2		5467.5		-892	-211	358,310	1,392,837		
397	609		185° 50'	" "	12.0	89° 10'	+8.9	-3.1		5460.2		-563	-233	358,639	1,392,815		

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6-15-82		B. Cotcamp		M. Knapp		6834		MAK Zm		2	33					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
UTAM		Cowboy Pass-15'	UTAM	Millard					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	
									5463.3							
398	310		201° 54'	+16.7°	6.7	89° -	+5.4	-1.3		5462.0		-242	-193	358,960	1,392,855	
399	0				5.4	-		-5.4		5457.9	X	0	0	359,202	1,393,048	
400	330		345° 59'	+16.7°	6.0	94° 20'	-24.9	-30.9		5432.4		+320	+15	359,532	1,393,063	
401	660		347° 09'	" "	8.2	93° 10'	-36.4	-44.6		5418.7		+659	+44	359,861	1,393,092	Through l
402	987		349° 29'	" "	6.0	93° 10'	-54.4	-60.4		5402.9		+981	+106	360,183	1,393,154	corner
403	1316		348° 11' 42"	" "	3.7	93° 10'	-72.6	-76.3		5387.0	TP	+1309	+112	360,516	1,393,160	↓
403	1316				7.5	93° -	-68.8	-76.3			TP					
	1319		175° 21' 47" +180	+16.7°	+12.5	87° 10'	-65.1	-52.6	5334.4		BS	+1288	+275			
	1319				+8.7	87° 20'	-61.3	-52.6			BS					
404	990		176° 34'	+16.7°	7.2	87° 20'	+46.0	+38.8		5373.2		-964	-227	360,833	1,393,208	
405	660		176° 34'	" "	6.1	87° -	+34.5	+28.4		5362.8		-642	-151	361,155	1,393,284	
406	330		" "	" "	5.9	87° -	+17.2	+11.3		5345.7		-321	-76	361,476	1,393,359	
407	0				5.4	-		-5.4		5329.0	X	0	0	361,797	1,393,435	
408	330		03° 22'	+16.7°	5.2	92° 40'	-15.3	-20.5		5313.9		+310	+113	362,107	1,393,548	
409	660		02° 30'	" "	6.2	92° 10'	-24.9	-31.1		5303.3		+623	+217	362,420	1,393,652	
410	990		01° 54'	" "	7.3	92° 10'	-37.4	-44.7		5289.7		+938	+316	362,735	1,393,751	
411	1319		00° 57' 12"	" "	7.7	92° 10'	-49.8	-57.5			TP	+1256	+400	363,052	1,393,835	
411	1319				11.6	92° -	-46.6	-57.6		5276.8	TP					
	1319		168° 39' 53" +180	+16.7°	+5.5	88° -	-46.0	-40.5	5236.3		BS	+1312	+123			
	1319				+9.3	87° 50'	-49.8	-40.5			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			
6-15-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2		34			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAM		Cowboy Pass-15'		UTAM		Millard								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
									5236.3						
412	990		168° 40'	+16.7°	9.1	87° 50'	+37.4	+28.3		5264.6		-986	-93	363,377	1,393,865
413	660		169° 10'	" "	7.3	87° 50'	+24.9	+17.6		5253.9		-657	-67	363,706	1,393,891
414	330		" "	" "	6.4	87° 50'	+12.5	+6.1		5242.4		-328	-34	364,035	1,393,924
415	0				5.4	-		-5.4		5230.9	π	0	0	364,363	1,393,958
416	330		350° 04'	+16.7°	7.5	92° 20'	-13.4	-20.9		5215.4		+328	+39	364,691	1,393,997
417	660		361° 50'	" "	4.4	92° 20'	-26.8	-31.2		5205.1		+653	+98	365,016	1,394,056
418	989		352° 09'	" "	8.9	92°	-34.5	-43.4		5192.9		+977	+152	365,340	1,394,110 <i>road</i>
419	1315		350° 15' 06"	" "	7.7	92°	-45.9	-53.6		5182.7	TP	+1305 ₋₁	+159	365,667	1,394,117 <i>corner</i>
419	1315				11.4	91° 50'	-42.1	-53.5			TP				
	1316		155° 51' 42" +180	+16.7°	+2.0	TM	-6.6	-4.6			BS	+1305 ₋₁	-170 ₋₁		<i>through corner</i>
	1316				+6.7	89° 30'	-11.5	-4.8	5177.9		BS				
420	986		156° 34'	+16.7°	9.0	89° 30'	+8.6	-0.4		5177.5		-979	+116	365,992	1,394,062 " "
421	657		158° 50'	" "	10.3	89° 30'	+5.7	-4.6		5173.3		-655	+51	366,316	1,393,997
422	330		162° 09'	" "	6.8	89° 30'	+2.9	-3.9		5174.0		-330	+7	366,641	1,393,953
423	0				5.4	-		-5.4		5172.5	π	0	0	366,971	1,393,946 <i>LN 25 ST. ON ROAD</i>
Y	8		324° 17' 56"	+16.7°	5.7	89° 30'	+0.1	-5.6		5172.3	Y	+8	-3	366,979	1,393,943 <i>Y-367,025 X-159,970 ROAD Y-ROAD</i>
424	330		330° 08'	" "	7.3	90° 30'	-2.9	-10.2		5167.7		+321	-75	367,292	1,393,871
425	659		327° 34'	" "	9.0	90° 30'	-5.8	-14.8		5163.1		+634	-179	367,605	1,393,767
426	987		326° 35'	" "	8.4	-		-8.4		5169.5		+945	-284	367,916	1,393,662

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-15-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Cowboy Pass-15'		UTAH		Millard								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
									5177.9						
427	1316		325° 49'	+16.7°	8.0	-	-8.0		5169.9			+1255	-395	368,226	1,393,551
428	1645		325° 18' 08"	+16.4°	10.9	-	-10.9			TP		+1562	-516	368,531	1,393,429
428	1645				6.2	90° 10'	-4.8	-11.0	5166.9	TP					
	1313		145° 27' 48" +180	+16.4°	+12.8	89°	-22.9	-10.1	5156.8	BS		+1248	-409		
	1313				+9.8	89° 08'	-19.9	-10.1		BS					
429	985		145° 50'	+16.4°	7.1	89°	+17.2	+10.1	5166.9			-938	+301	368,839	1,393,326
430	659		143° 14'	" "	11.7	89°	+11.5	-0.2	5156.6			-618	+229	369,159	1,393,248
431	330		141° 26'	" "	8.2	89°	+5.8	-2.4	5154.4			-306	+125	369,471	1,393,144
432	0				6.4	-	-5.4		5151.4	X		0	0	369,777	1,393,019
433	330		322° 08'	+16.4°	8.0	91° 10'	-6.7	-14.7	5142.1			+367	-121	370,084	1,392,878
434	660		" "	" "	7.0	91° 10'	-13.4	-20.4	5136.4			+614	-242	370,391	1,392,777
435	989		" "	" "	8.8	91° 10'	-20.1	-28.9	5127.9			+920	-362	370,697	1,392,657
436	1319		322° 03'	" "	12.0	91° 30'	-34.5	-46.5	5110.3			+1227	-484	371,004	1,392,535
437	1633		319° 15' 14"	" "	4.1	91°	-28.5	-32.6	5124.2	TP		+1488	-673	371,263	1,392,345
437	1633				8.9	90° 50'	-23.7	-32.6		TP					FIRST 372 BACK ON ROAD
	1317		114° 46' 38" +180	+16.4°	+9.6	-	+9.6		5133.8	BS		+867	-991		
	1317				+3.1	84	+6.6	+9.7		BS					
438	989		113° 01'	+16.4°	8.8	-	-8.8		5125.0			-628	+764	371,500	1,392,117
439	660		112° 38'	" "	8.3	-	-8.3		5125.5			-416	+513	371,712	1,391,866
440	330		110° 14'	" "	7.0	-	-7.0		5126.8			-197	+265	371,931	1,391,618

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6-15-82		B. Cotcamp		M. Knapp		6834		Jm B.C.		2	36					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
UTAH		Cowboy Pass-15'		UTAH		Millard					L. Davis					
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									5133.8							
441	0				5.4	-		-5.4		5128.4	T	0	0	372,128	1,391,353	
442	328		288° 38'	+16.4°	7.3	-		-7.3		5126.5		+188	-269	372,316	1,391,084	Around
443	654		294° 16'	" "	5.5	-		-5.5		5128.3		+426	-496	372,554	1,390,857	Corner
444	983		295° 59'	" "	8.7	-		-8.7		5125.1		+663	-726	372,791	1,390,627	" "
445	1307		293° 24' 49"	" "	8.8	-		-8.8		5125.0	TP	+837	-1004	372,963	1,390,348	" "
445	1307				5.8	90° 08'	-3.0	-8.8			TP					
	659		112° 47' 37" +180	+16.4°	+6.4	-		+6.4	5131.4		BS	+416	-511			
	659				+9.7	TM	-3.3	+6.4			BS					
446	330		112° 22'	+16.4°	6.6	TM	+1.7	-4.9		5126.5		-207	+257	373,170	1,390,093	-
447	0				5.4	-		-5.4		5126.0	T	0	0	373,377	1,389,836	
448	330 322		323° 42'	+16.4°	6.8	-		-6.8		5124.6		+303	-110	373,680	1,389,726	
TP	470		20° 33' 05"	" "	10.1	91° -	-8.2	-18.3		5113.1	TP	+376	+282	373,751	1,390,117	Y-ROAD NORTH EL. 5117.0
TP	470				8.7	91° 10'	-9.6	-18.3			TP					
	1928		246° 29' 48" -180	+16.7°	+11.6	88° 20'	-56.0	-44.4	5068.9		BS	+228	+1914			
	1928				+12.1	271° 40'	-56.0	-43.9	44.25		BS					
T	0				5.4	-		-5.4		5063.5	T	0	0	373,977	1,392,030	
Bm	2536		67° 17' 38"	+16.7°	10.1	91° 20'	-59.0	-69.1		4999.6	F ₂	+265	+2521	374,240	1,394,550	U.S.C.G.S Bench mark H-74 1934 EL. 4998.0 y-374,240 x=1,394,550 Horiz. corr. y--53 x--10
	2536				10.5	268° 46'	-59.0	-69.5	49.33		F ₂					
K ₁	U.S.C.G.S Bm		H-74 1934 EL.		4998.0					4998.0	K ₁					SCALED 7 y-374,240 x-1,394,550
	2536		67° 17' 38" +180	+16.7°	+10.2	91° 20'	+59.0	+69.2	5067.2		BS	-265	-2521			

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-17-82		B. Cotcamp		M. Knapp		6834		Tm B.C.		2		37			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Cowboy Pass-15'		UTAH		MILLARD								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
									5067.2						
TP	0				5.4	-		-5.4		5061.8	TP	0	0	373,997	1,392,029
TP	1928		246° 29' 48"	+16.7°	11.6	88° 20'	+56.0	+44.4	} +44.25	5111.4	TP	-228	-1914	373,751	1,390,115
TP	1928				12.0	271° 40'	+56.0	+44.0		TP					
	1027		133° 33' 44" +180	+16.7°	+2.1	-		+2.1	} 5113.5		BS	+892	-509		
	1027				+7.2	TH		-5.1		+2.1	BS				
449	644		160° 03'	+16.7°	7.0	89° 20'	+7.5	+0.5		5114.0		-643	+37	374,002	1,389,643 <i>Acuro</i>
450	330		171° 48'	" "	8.0	89° 20'	+3.8	-4.2		5109.3		-326	-49	374,319	1,389,557 <i>col-a</i>
451	0				5.4	-		-5.4		5108.1	TP	0	0	374,645	1,389,606
452	330		353° 36'	+16.7°	7.6	91° 10'	-6.7	-14.3		5099.2		+325	+59	374,970	1,389,665
453	660		" "	" "	8.7	91° 10'	-13.4	-22.1		5091.4		+649	+118	375,294	1,389,724
454	990		" "	" "	9.9	91° 10'	-20.2	-30.1		5083.4		+974	+177	375,619	1,389,783
455	1320		353° 35' 41"	+16.6°	13.9	91° 10'	-26.9	-40.8	} 5072.7	5072.7	TP	+1299	+234	375,946	1,389,840
455	1320				10.1	91° 20'	-30.7	-40.8		TP					
	2640		173° 37' 18" +180	+16.6°	+8.1	88° 40'	-61.6	-53.5	} 5019.2		BS	+2597	+468		
	2640				+14.2	88° 32'	-67.7	-53.5		BS					
456	2310		173° 37'	+16.6°	10.0	88° 30'	+60.5	+50.5		5069.7		-2273	-410	376,272	1,389,898
457	1980		" "	" "	11.0	88° 30'	+51.8	+40.8		5060.0		-1949	-351	376,596	1,389,957
458	1650		" "	" "	10.7	88° 30'	+43.2	+32.5		5051.7		-1624	-293	376,921	1,390,015
459	1320		" "	" "	10.0	88° 30'	+34.5	+24.5		5043.7		-1299	-234	377,246	1,390,074
460	990		" "	" "	9.0	88° 30'	+25.9	+16.9		5036.1		-974	-176	377,571	1,390,132

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-17-82		B. Cutcamp		M. Knapp		6834		Jm BC		2		38			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Cowboy Pass-15'		UTAH		Millard								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
									5019.2						
461	660		173° 37'	+16.6	8.3	88° 30'	+17.3	+9.0		5028.2		-650	-117	377,895	1,390,191
462	330		" "	" "	7.3	88° 30'	+8.6	+1.3		5020.5		-325	-59	378,720	1,390,249
463	0				5.4	-		-5.4		5013.8	π	0	0	378,545	1,390,308
464	330		353° 41'	+16.6	8.0	90° 50'	-4.8	-12.8		5006.4		+325	+59	378,870	1,390,367
465	660		" "	" "	4.7	90° 50'	-9.6	-14.3		5004.9		+649	+118	379,194	1,390,426
466	990		" "	" "	8.8	90° 50'	-14.4	-23.2		4996.0		+974	+177	379,519	1,390,485
467	1320		" "	" "	10.9	90° 50'	-19.2	-30.1		4989.1		+1299	+236	379,844	1,390,544
468	1650		353° 41'	" "	11.6	90° 50'	-24.0	-35.6		4983.6		+1624	+295	380,169	1,390,603
469	1980		" "	+16.6	9.0	90° 50'	-28.8	-37.8		4981.4		+1948	+353	380,493	1,390,661
470	2310		" "	" "	9.1	90° 50'	-33.6	-42.7		4976.5		+2273	+412	380,818	1,390,720
471	2640		353° 41' 26"	" "	9.6	90° 50'	-38.3	-47.9		4971.5	TP	+2597	+472	381,144	1,390,780
471	2646				14.0	90° 44'	-33.6	-47.6	-47.7		TP				
	2970		173° 41' 43" +180	+16.6	+12.5	89° -	-52.0	-39.5			BS	+2922	+531		
	2970				+9.2	89° 04'	-48.6	-39.4	4932.1		BS				
472	2640		173° 42'	+16.6	9.9	89° 10'	+38.5	+28.6		4960.7		-2597	-472	381,471	1,390,839
473	2310		" "	" "	8.8	89° 10'	+33.6	+24.8		4956.9		-2273	-413	381,795	1,390,898
474	1980		" "	" "	7.9	89° 10'	+28.8	+20.9		4953.0		-1948	-354	382,120	1,390,957
475	1650		" "	" "	10.9	89° -	+28.8	+17.9		4950.0		-1623	-295	382,445	1,391,016
476	1320		" "	" "	10.8	89° -	+23.0	+12.2		4944.3		-1299	-236	382,769	1,391,075

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-17-82		B. Cotcamp		M. Knapp		6834		Jm B.C.		2		39			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAM		Cowboy Pass - 15'		UTAM		M. HARD								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
									4932.1						
477	990		173° 42'	+16.6	10.0	89° 0'	+17.3	+7.3		4939.4		-974	-177	383,094	1,391,134
478	660		" "	" "	10.1	89° 0'	+11.5	+1.4		4933.5		-649	-118	383,419	1,391,193
479	330		" "	" "	8.2	89° 0'	+5.8	-2.4		4929.7		-325	-59	383,743	1,391,252
480	0				5.4	-		-5.4		4926.7	X	0	0	384,068	1,391,311
481	330		358° 40'	+16.6	7.2	90° 40'	-3.8	-11.0		4921.1		+325	+59	384,393	1,391,370
482	660		" "	" "	9.9	90° 40'	-7.7	-17.6		4914.5		+649	+118	384,717	1,391,429
483	990		" "	" "	10.8	90° 40'	-11.5	-22.3		4909.8		+974	+176	385,042	1,391,487
484	1320		" "	" "	8.1	91° -	-23.0	-31.1		4901.0		+1299	+235	385,367	1,391,546
485	1650		353° 40'	+16.6	12.1	90° 40'	-19.2	-31.3		4900.8		+1624	+294	385,692	1,391,605
486	1980		" "	" "	8.0	90° 50'	-28.8	-36.8		4895.3		+1948	+353	386,016	1,391,664
487	2310		" "	" "	6.3	90° 50'	-33.6	-39.9		4892.2		+2273	+412	386,341	1,391,723
488	2638		353° 39' 47"	" "	11.4	90° 40'	-30.6	-42.0		4890.1	TP	+2596	+470	386,666	1,391,781
488	2638		" "	" "	6.9	90° 46'	-35.2	-42.1			TP				
	2970		173° 48' 18" +180	+16.6	+11.2	89° 30'	-26.1	-14.9	4875.2		BS	+2921	+536		
	2970		" "		+14.5	89° 26'	-29.6	-15.1			BS				
489	2640		173° 48'	+16.6	8.7	89° 30'	+23.2	+14.5		4889.7		-2597	-477	386,992	1,391,840
490	2310		" "	" "	10.4	89° 30'	+20.2	+9.8		4885.0		-2272	-417	387,317	1,391,900
491	1980		" "	" "	9.1	89° 30'	+17.3	+8.2		4883.4		-1947	-357	387,642	1,391,960
492	1650		" "	" "	10.9	89° 30'	+14.4	+3.5		4878.7		-1623	-298	387,966	1,392,019
493	1320		" "	" "	11.2	89° 30'	+11.5	+0.3		4875.5		-1298	-238	388,291	1,392,079

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-17-82		B. Cotcamp		M. Knapp		6834		Jm B.C.		2		40			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Cowboy Pass - 15'		UTAH		MILLARD								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
									4875.2						
494	990		173° 48'	+16.6	9.0	89° 30'	+8.6	-0.4		4874.8		-974	-179	388,615	1,392,138
495	660		" "	" "	6.3	89° 30'	+5.8	-0.5		4874.7		-649	-119	388,940	1,392,198
496	330		" "	" "	10.6	89° 30'	+2.9	-7.7		4867.5		-325	-60	389,264	1,392,257
497	0				5.4	-		-5.4		4869.8	X	0	0	389,589	1,392,317
498	330		353° 44'	+16.6	8.7	90° 10'	-1.0	-9.7		4865.5		+325	+59	389,914	1,392,376
499	660		" "	" "	6.0	90° 10'	-1.9	-7.9		4867.3		+649	+118	390,238	1,392,435
500	990		" "	" "	4.8	90° 10'	-2.9	-7.7		4867.5		+974	+178	390,563	1,392,495
501	1320		" "	" "	8.9	-		-8.9		4866.3		+1299	+237	390,888	1,392,554
502	1650		353° 44'	+16.6	9.1	-		-9.1		4866.1		+1623	+296	391,212	1,392,613
503	1980		" "	" "	11.0	-		-11.0		4864.2		+1948	+355	391,537	1,392,672
504	2310		" "	" "	4.1	04	-11.6	-15.7		4859.5		+2273	+414	391,862	1,392,731
505	2482		353° 39' 10"	" "	13.5	-		-13.5		4861.7	≠				
505	2640		353° 44'	" "	7.1	90° 10'	-7.5	-14.6		4860.6		+2597	+474	392	1,392,791
506	2970		353° 43' 50"	" "	15.1	-		-15.1		4860.1	TP	+2922	+533	392,513	1,392,850
506	2970				12.0	90° 04'	-33	-15.3			TP				
	2969		173° 44' 59" +180	+16.6	+11.7	90° 10'	+8.5	+20.2	4880.3		BS	+2921	+533		
	2969				+8.2	90° 14'	+11.9	+20.1			BS				
507	2640		173° 45'	+16.6	11.7	90° 10'	-7.5	-19.2		4861.1		-2597	-474	392,839	1,392,909
508	2310		" "	" "	6.9	90° 20'	-13.4	-20.3		4860.0		-2272	-415	393,164	1,392,968
509	1980		" "	" "	7.9	90° 20'	-11.5	-19.4		4860.9		-1948	-356	393,488	1,393,027

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445.

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
6-17-82		B. Cotcamp		M. Knapp		6834		Jm B.C.		2	41				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
UTAH		Cowboy Pass-15'	UTAH	Millard					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
									4880.3						
510	1650		173° 45'	+16.6	9.3	90° 20'	-9.6	-18.9		4861.4		-1623	-296	393,813	1,393,087
511	1320		" "	" "	10.1	90° 20'	-7.7	-17.8		4862.5		-1299	-237	394,137	1,393,146
512	990		" "	" "	8.2	90° 20'	-5.8	-14.0		4866.3		-974	-178	394,462	1,393,205
513	660		" "	" "	11.0	90° 20'	-3.8	-14.8		4865.5		-649	-119	394,787	1,393,264
514	330		" "	" "	7.0	90° 20'	-1.9	-8.9		4871.4		-325	-59	395,111	1,393,324
515	0				5.4	-		-5.4		4874.9	π	0	0	395,436	1,393,383
516	330		353° 48'	+16.6	7.0	89° 20'	+3.8	-3.2		4877.1		+325	+60	395,761	1,393,443
517	660		" "	" "	10.7	89° 20'	+7.7	-3.0		4877.3		+649	+119	396,085	1,393,502
518	990		" "	" "	9.0	89° 40'	+5.8	-3.2		4877.1		+974	+179	396,410	1,393,562
519	1320		" "	" "	7.1	89° 40'	+7.7	+0.6		4880.9		+1298	+238	396,734	1,393,621
520	1650		353° 48'	+16.6	9.9	89° 40'	+9.6	-0.3		4880.0		+1623	+298	397,059	1,393,681
521	1980		" "	" "	8.0	89° 40'	+11.5	+3.5		4883.8		+1947	+357	397,383	1,393,740
522	2316		" "	" "	10.1	89° 40'	+13.4	+3.3		4883.6		+2272	+417	397,708	1,393,800
523	2640		" "	" "	6.0	89° 40'	+15.5	+9.5		4889.8		+2597	+477	398,033	1,393,860
524	2970		" "	" "	11.1	89° 30'	+26.1	+15.0		4895.3		+2921	+536	398,357	1,393,919
525	3300		353° 48' 17"	+16.6	11.9	89° 30'	+29.0	+17.1		4897.4	TP	+3246 ₊₂	+596	398,684	1,393,979
525	3300				4.2	89° 38'	+21.3	+17.1			TP				
	3299		173 44 29 +16.6	+16.6	+6.5	BM	+16.3	+22.8	4920.2		BS	+3245 ₊₂	+592		
	3299				+13.2	90° 10'	+9.4	+22.6			BS				
526	2970		173 44'	+16.6	8.4	BM	-14.7	-23.1		4897.1		-2922	-533	399,009	1,393,038

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	6-17-82	INSTRUMENT MAN	B. Cotcamp	ROD MAN	M. Knapp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	2	PAGE	42	
AREA	UTAH	TOPO MAP	Cowboy Pass-15	STATE	UTAH	COUNTY	Millard	TWP		RANGE		PPM	PARTY MANAGER	L. Oquis

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	
									4920.2							
527	2640		173° 44'	+16.6°	9.0	BH	-13.1	-22.1		4898.1		-2597	-474	399,334	1,394,097	
528	2310		" "	" "	8.7	BH	-11.6	-20.3		4899.9		-2273	-414	399,658	1,394,157	
529	1980		" "	" "	5.0	BH	-9.9	-14.9		4905.3		-1948	-355	399,983	1,394,216	
530	1650		" "	" "	11.1	-	-	-11.1		4909.1		-1623	-296	400,308	1,394,275	
1K	1510		173° 49' 33"	+16.6	10.8	-	-	-10.8		4909.4	1K					
531	1320		173° 44'	" "	11.7	-	-	-11.7		4908.5		-1299	-237	400,632	1,394,334	
532	990		" "	" "	10.2	-	-	-10.2		4910.0		-974	-178	400,957	1,394,393	
533	660		" "	" "	11.0	-	-	-11.0		4909.2		-649	-118	401,282	1,394,453	
534	330		" "	" "	6.2	-	-	-6.2		4914.0		-325	-59	401,606	1,394,512	
535	0				5.4	-	-	-5.4		4914.8	X	0	0	401,931	1,394,571	
536	330		353° 47'	+16.6°	6.7	89° 10'	+4.8	-1.9		4918.3		+325	+59	402,256	1,394,630	
537	660		" "	" "	9.1	89° 10'	+9.6	+0.5		4920.7		+649	+119	402,580	1,394,690	
538	990		" "	" "	9.7	89° 10'	+14.4	+4.7		4924.9		+974	+178	402,905	1,394,749	
539	1320		" "	" "	11.9	89° 10'	+19.2	+7.3		4927.5		+1298	+238	403,229	1,394,809	
540	1650		353° 47'	+16.6°	8.5	89° 20'	+19.2	+10.7		4930.9		+1623	+297	403,554	1,394,868	
541	1980		" "	" "	9.6	89° 20'	+23.0	+13.4		4933.6		+1948	+357	403,879	1,394,928	
542	2310		" "	" "	11.2	89° 20'	+26.9	+15.7		4935.9		+2272	+416	404,203	1,394,987	
543	2640		" "	" "	6.1	89° 30'	+23.2	+17.1		4937.3		+2597	+476	404,528	1,395,047	
TP	2814		358° 50' 11"	+16.6	13.3	89° 30'	+24.7	+11.4		4931.6	TP	+2712	+749	404,645	1,395,320	U.S. CADASTRAL # 42424 Sec. CORNER 1959 26 49320 5-404,645 2-1,395,320 CORNER
TP	2814				5.2	89° 40'	+16.5	+11.3			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6-21-82		B. Cotcamp		M. Knapp		6834		MPK chr		2	43					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
UTAH		Cowboy Pass-15'		UTAH		Millard					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.			
										4931.6						
2817			168° 46' 28" +180'	+16.6°	+12.9	90° 20'	+16.2	+29.1			BS	+2805	+264			
2817					+13.3	269° 40'	+16.2	+29.5	+27.43	4961.0	BS					
544	2639		173° 48'	+16.6°	11.9	90° 10'	-7.5	-19.4		4941.6		-2596	-476	404,854	1,395,107	
545	2310		" "	" "	10.2	90° 10'	-6.7	-16.9		4944.1		-2272	-417	405,178	1,395,166	
546	1980		" "	" "	7.2	90° 10'	-5.8	-13.0		4948.0		-1947	-357	405,503	1,395,226	
547	1650		" "	" "	10.0	BH	-8.3	-18.3		4942.7		-1623	-298	405,827	1,395,285	
548	1320		173° 48'	+16.6°	8.2	BH	-6.6	-14.8		4946.2		-1298	-238	406,152	1,395,345	
549	990		" "	" "	10.8	-	-	-10.8		4950.2		-974	-179	406,476	1,395,404	
550	660		" "	" "	10.8	BH	-3.3	-14.1		4946.9		-649	-119	406,801	1,395,464	
551	330		" "	" "	8.7	-	-	-8.7		4952.3		-325	-60	407,125	1,395,523	
552	0				5.4	-	-	-5.4		4955.6	TP	0	0	407,450	1,395,583	
553	336		353° 47'	+16.6°	6.3	89° 20'	+3.8	-2.5		4958.5		+325	+59	407,775	1,395,642	
554	660		" "	" "	8.3	89° 20'	+7.7	-0.6		4960.4		+649	+119	408,099	1,395,702	
555	990		" "	" "	10.3	89° 20'	+11.5	+1.2		4962.2		+974	+178	408,424	1,395,761	
556	1320		" "	" "	5.6	89° 40'	+7.7	+2.1		4963.1		+1298	+238	408,748	1,395,821	
557	1650		353° 47'	+16.6°	6.9	89° 40'	+9.6	+2.7		4963.7		+1623	+297	409,073	1,395,880	
558	1980		" "	" "	9.9	89° 40'	+11.5	+1.6		4962.6		+1948	+357	409,398	1,395,940	
559	2310		" "	" "	10.9	89° 40'	+13.4	+2.5		4963.5		+2272	+416	409,722	1,395,999	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-21-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2		44			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAM		Cowboy Pass - 15'		UTAM		M. HARR								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
									4961.0						
560	2640		353° 47' 28"	+16.6°	13.6	89° 46'	+15.5	+1.9			TP	+2597	+476	410,047	1,396,058
560	2640				13.9	270° 20'	+15.5	+1.6	+1.7	4962.7	TP				
	3630		173° 52' 10" +180	+16.6°	+12.6	-		+12.3			BS	+3570	+660		
	3630				+12.8	270° -		+12.5	+12.4	4975.1	BS	-	-		
561	3300		173° 52'	+16.6°	9.8	90° 04'	-3.6	-13.4		4961.7		-3245	-599	410,371	1,396,118
562	2970		" "	" "	10.0	90° 10'	-8.5	-18.5		4956.6		-2921	-540	410,695	1,396,177
563	2640		" "	" "	10.1	90° 10'	-7.5	-17.6		4957.5		-2596	-480	411,020	1,396,237
564	2310		" "	" "	11.0	90° 10'	-6.7	-17.7		4957.4		-2272	-420	411,344	1,396,297
565	1980		173° 52'	+16.6°	12.1	90° 10'	-5.8	-17.9		4957.2		-1947	-360	411,669	1,396,357
566	1650		" "	" "	12.0	90° 10'	-4.8	-16.8		4958.3		-1623	-300	411,993	1,396,417
567	1320		" "	" "	10.3	90° 10'	-3.8	-14.1		4961.0		-1298	-240	412,318	1,396,477
568	990		" "	" "	7.2	90° 10'	-2.9	-10.1		4965.0		-974	-180	412,642	1,396,537
569	660		173° 52'	+16.6°	8.1	90° 10'	-1.9	-10.0		4965.1		-649	-120	412,967	1,396,597
570	330		" "	" "	7.7	90° 10'	-1.0	-8.7		4966.4		-325	-60	413,291	1,396,657
571	0				5.4	-		-5.4		4969.7	X	0	0	413,616	1,396,717
572	330		353° 49'	+16.6°	5.6	-		-5.6		4969.5		+325	+60	413,941	1,396,777
573	660		" "	" "	5.1	-		-5.1		4970.0		+649	+119	414,265	1,396,836
574	990		" "	" "	8.6	TM	+5.0	-3.6		4971.5		+974	+179	414,590	1,396,896
575	1320		" "	" "	5.1	-		-5.1		4970.0		+1298	+239	414,914	1,396,956

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-21-82		B. Cotcamp		M. KNAPP		6834		MPK dm		2		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Cowboy Pass-15'		UTAH		MILLARD								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
									4975.1						
576	1650		353° 49'	+16.6°	11.0	TH	+8.3	-2.7		4912.4		+1623	+298	415,239	1,397,015
577	1980		" "	" "	4.6	-		-4.6		4970.5		+1947	+358	415,563	1,397,075
578	2310		" "	" "	5.1	-		-5.1		4970.0		+2272	+418	415,888	1,397,135
579	2640		353° 49'	" "	7.0	-		-6.9		4968.2		+2596	+477	416,212	1,397,194
580	2970		" "	" "	6.9	-		-6.7		4968.4		+2921	+537	416,537	1,397,254
581	3300		" "	" "	8.8	-		-8.6		4966.5		+3246	+597	416,862	1,397,314
582	3631		353° 49' 11"	+16.6°	14.9	89° 52'	+8.7	-6.22			TP	+3571	+657	417,186	1,397,373
582	3631		" "		15.0	270° 08'	+8.7	-6.3		4968.8	TP	-	-		
	3300		173° 44' 24" +180	+16.6°	+8.7	-		+8.52	4977.3		BS	+3246	+592		
	3300		" "		+8.9	270°		+8.7			BS	-	-		
583	2970		173° 44'	+16.6°	4.0	-		-3.8		4973.5		-2922	-533	417,509	1,397,431
584	2640		" "	" "	4.9	-		-4.9		4972.4		-2597	-474	417,834	1,397,490
585	2310		" "	" "	8.0	-		-8.0		4969.3		-2273	-414	418,158	1,397,550
586	1980		" "	" "	9.9	-		-9.9		4967.4		-1948	-355	418,483	1,397,609
587	1650		173° 44'	+16.6°	10.2	-		-10.2		4967.1		-1623	-296	418,808	1,397,668
588	1320		" "	" "	8.9	-		-8.9		4968.4		-1299	-237	419,132	1,397,727
589	990		" "	" "	7.9	-		-7.9		4969.4		-974	-178	419,457	1,397,786
590	660		" "	" "	7.9	-		-7.9		4969.4		-649	-118	419,782	1,397,846
591	330		" "	" "	7.0	-		-7.0		4970.3		-325	-59	420,106	1,397,905
592	0				5.4	-		-5.4		4971.9	TP	0	0	420,431	1,397,964

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 6-21-82	INSTRUMENT MAN B. Cotcamp	ROD MAN M. Knapp	PARTY NUMBER 6834	NOTES CHECKED BY MPK Jon	LINE NO. 2	PAGE 46
AREA UTAH	TOPO MAP Cowboy PASS-15'	STATE UTAH	COUNTY M. ILLARO	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.	
									4977.3					
593	330		353° 51'	+16.6°	6.0	TH	+1.7	-4.3		4973.0		+325	+60	420,756 1,398,024
594	660		" "	" "	5.9	TH	+3.3	-2.6		4974.7		+649	+120	421,080 1,398,084
595	990		" "	" "	8.0	TH	+5.0	-3.0		4974.3		+974	+180	421,405 1,398,144
596	1320		" "	" "	10.0	TH	+6.6	-3.4		4973.9		+1298	+239	421,729 1,398,203
597	1650		" "	" "	10.0	TH	+8.3	-1.7		4975.6		+1623	+299	422,054 1,398,263
598	1980		353° 51'	+16.6°	8.0	-		-8.0		4969.3		+1947	+359	422,378 1,398,323
599	2310		" "	" "	12.5	TH	+11.6	-0.9		4976.4		+2272	+419	422,703 1,398,383
600	2640		" "	" "	11.2	89° 50'	+7.8	-3.4		4973.9		+2596	+479	423,027 1,398,443
601	2969		354° 06' 48"	" "	3.1	89° 50'	+8.8	+5.7		4983.0	TP	+2917	+552	423,347 1,398,515 <i>ALCOUP</i>
601	2969				11.7	89° 40'	+17.5	+5.8			TP	-	-	<i>CORNE</i>
	3629		181° 10' 19" -180°	+16.6°	+12.7	89° -	-63.6	+50.9			BS	+3455	+1108	
	3629				+13.0	271° -	-63.6	-50.6	50.8' 3	4982.2	BS	-	-	
602	3300		181° 13'	+16.6°	6.9	89° -	+57.8	+50.9		4983.1		-3142	-1010	423,659 1,398,612
IF	3177		181° 19' 42"	" "	4.3	89° -	+55.7	+51.4		4983.6	IF			
603	2970		181° 13'	" "	8.3	89° 04'	+48.6	+40.3		4972.5		-2828	-909	423,973 1,398,713
604	2640		" "	" "	7.1	89° 30'	+23.2	+16.1		4948.3		-2513	-808	424,288 1,398,814
605	2310		" "	" "	9.2	89° 20'	+26.9	+17.7		4949.9		-2199	-707	424,602 1,398,915
606	1980		" "	" "	9.2	89° 30'	+17.3	+8.1		4940.3		-1885	-600	424,916 1,399,016
607	1650		" "	" "	10.0	89° 30'	+14.4	+4.4		4936.6		-1571	-505	425,230 1,399,117
608	1320		" "	" "	10.1	89° 30'	+11.5	+1.4		4933.6		-1257	-404	425,544 1,399,218

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-21-82		B. Cotcamp		M. Knapp		6834		MPK Jm		2		47			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Cowboy Pass-15'		UTAH		Millard								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
									4932.2						
609	990		181° 13'	+16.6°	11.2	89° 30'	+8.6	-2.6		4929.6		-943	-303	425,858	1,399,319
610	660		" "	" "	11.9	89° 40'	+3.8	-8.1		4924.1		-628	-202	426,173	1,399,420
611	330		" "	" "	8.2	89° 40'	+1.9	-6.3		4925.9		-314	-101	426,487	1,399,521
612	0				5.4	-		-5.4		4926.8	X	0	0	426,801	1,399,622
613	330		01° 19'	+16.6°	7.9	-		-7.9		4924.3		+314	+102	427,115	1,399,724
614	660		" "	" "	10.3	84	-3.3	-13.6		4918.6		+628	+203	427,429	1,399,825
615	990		" "	" "	7.3	90° 40'	-11.5	-18.8		4913.4		+942	+305	427,743	1,399,927
616	1320		" "	" "	9.9	90° 40'	-15.4	-25.3		4906.9		+1256	+406	428,057	1,400,028
617	1650		01° 19'	+16.6°	11.4	90° 40'	-19.2	-30.6		4901.6		+1570	+508	428,371	1,400,130
618	1980		" "	" "	12.2	90° 40'	-23.0	-35.2		4897.0		+1084	+609	428,685	1,400,231
619	2310		" "	" "	12.4	90° 40'	-26.9	-39.3		4892.9		+2198	+711	428,999	1,400,333
620	2640		" "	" "	10.9	90° 40'	-30.6	-41.5		4890.7		+2512	+812	429,313	1,400,434
621	2970		01° 19'	" "	10.1	90° 40'	-34.4	-44.5		4887.7		+2826	+914	429,627	1,400,536
622	3300		" "	" "	10.6	90° 40'	-38.2	-48.8		4883.4		+3140	+1015	429,941	1,400,637
623	3630		01° 18' 52"	+16.6°	11.6	90° 40'	-42.0	-53.6		4878.4	TP	+3454	+1117	430,254	1,400,738
623	3630				11.9	269° 20'	-42.0	-53.9	35.83		TP				
	4620		181° 21' 31" -180	+16.6°	+4.9	89° 30'	-40.8	-35.92			BS	+4395	+1424		
	4620				+5.3	270° 30'	-40.8	-35.5	35.73	4842.7	BS				
624	4290		181° 22'	+16.6°	6.3	89° 30'	+37.8	+31.5		4874.2		-4081	-1323	430,567	1,400,838
625	3960		" "	" "	6.3	89° 30'	+34.9	+28.6		4871.3		-3767	-1222	430,881	1,400,939

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-21-82		B. Cotcamp		M. Knapp		6834		MPK dm		2		48			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Cowboy Pass-Granite Mtn		UTAH		M. ILLARD								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
									4842.7						
626	3630		181° 22'	+16.6°	6.4	89° 30'	+31.9	+25.5		4868.2		-3453	-1120	431,195	1,401,041
627	3300		" "	" "	7.1	89° 30'	+29.0	+21.9		4864.6		-3139	-1018	431,509	1,401,143 ↑
628	2970		" "	" "	9.9	89° 30'	+26.1	+16.2		4858.9		-2825	-916	431,823	1,401,245 Cowboy Pass-15'
629	2640		" "	" "	9.0	89° 30'	+23.2	+14.2		4856.9		-2511	-814	432,137	1,401,347 Granite Mtn.-15'
630	2310		181° 22'	+16.6°	7.1	89° 30'	+20.2	+13.1		4855.8		-2197	-713	432,451	1,401,448 ↓
631	1980		" "	" "	8.1	89° 30'	+17.3	+9.2		4851.9		-1883	-611	432,765	1,401,550
632	1650		" "	" "	7.9	89° 30'	+14.4	+6.5		4849.2		-1570	-509	433,078	1,401,652
Bm	1503		180° 33' 55"	" "	6.5	89° 30'	+13.1	+6.6		4849.3	Bm	-1436	-444	433,212	1,401,717 U.S.G.S. 1958 Y-433,205 864300098190X-1401,700
633	1320		181° 22'	+16.6°	8.7	89° 30'	+11.5	+2.8		4845.5		-1256	-407	433,392	1,401,794
634	990		" "	" "	7.1	89° 30'	+8.6	+1.5		4844.2		-942	-305	433,706	1,401,856
635	660		" "	" "	7.5	89° 30'	+5.8	-1.7		4841.0		-628	-204	434,020	1,401,937
636	330		" "	" "	7.8	89° 30'	+2.9	-4.9		4837.8		-314	-102	434,334	1,402,059
637	0				5.4	-		-5.4		4837.3	X	0	0	434,648	1,402,161
638	330		01° 22'	+16.6°	7.1	-		-7.1		4835.6		+314	+102	434,962	1,402,263
639	660		" "	" "	9.2	84	-3.3	-12.5		4830.2		+628	+204	435,276	1,402,365
640	990		" "	" "	11.9	-		-11.9		4830.8		+942	+305	435,590	1,402,466
641	1320		01° 22'	+16.6°	7.8	84	-6.6	-14.4		4828.3		+1256	+407	435,904	1,402,568
642	1650		" "	" "	7.5	84	-8.3	-15.8		4826.9		+1570	+509	436,218	1,402,670
643	1980		" "	" "	9.0	84	-9.9	-18.9		4823.8		+1883	+611	436,531	1,402,772
644	2310		" "	" "	12.4	90° 20'	-13.4	-25.8		4816.9		+2197	+713	436,845	1,402,874

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-21-82		B. Cotcamp		M. Knapp		6834		For B.C.		2		49			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		Granite Mtn.-15		UTAH		M. Ilaro								L. Oquis	
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
									4842.7						
645	2640		01° 20'	+16.6°	7.9	90° 20'	-15.2	-23.1		4819.6		+2512	+813	437,160	1,402,974
646	2970		" "	" "	6.9	90° 20'	-17.1	-24.0		4818.7		+2826	+914	437,474	1,403,075
647	3300		" "	" "	6.9	90° 20'	-19.0	-25.9		4816.8		+3140	+1016	437,788	1,403,177
648	3630		" "	" "	7.1	90° 20'	-20.8	-27.9		4814.8		+3454	+1118	438,102	1,403,279
649	3960		01° 20'	" "	8.2	90° 20'	-22.7	-28.9		4813.8		+3768	+1219	438,416	1,403,380
650	4290		" "	" "	6.0	84	-21.1	-27.1		4815.6		+4082	+1321	438,730	1,403,482
651	4620		01° 19' 38"	+16.6°	13.6	90° 10'	-13.0	-26.6		4816.1	TP	+4396	+1422	439,043	1,403,582
651	4620		" "	" "	13.7	269° 50'	-13.0	-26.7			TP				
	2970		181° 14' 02" -180	+16.6°	+14.8	90° 06'	+5.0	+19.8	4835.9		BS	+2827	+910		
	2970		" "	" "	+14.9	269° 54'	+5.0	+19.9			BS				
652	2640		181° 14'	+16.6°	12.0	90° 10'	-7.5	-19.5		4816.4		-2513	-809	439,356	1,403,682
653	2310		" "	" "	10.0	90° 10'	-6.7	-16.7		4819.2		-2199	-707	439,670	1,403,784
654	1980		" "	" "	10.5	90° 10'	-5.8	-16.3		4819.6		-1885	-606	439,984	1,403,885
655	1650		" "	" "	10.6	90° 10'	-4.8	-15.4		4820.5		-1571	-505	440,298	1,403,986
656	1320		181 14	+16.6°	9.2	90° 10'	-3.8	-13.0		4822.9		-1257	-404	440,612	1,404,087
657	990		" "	" "	8.0	90° 10'	-2.9	-10.9		4825.0		-942	-303	440,927	1,404,188
658	660		" "	" "	7.3	90° 10'	-1.9	-9.2		4826.7		-628	-202	441,241	1,404,289
659	330		" "	" "	6.0	90° 10'	-1.0	-7.0		4828.9		-314	-101	441,555	1,404,390
660	0		" "	" "	5.4	-	-	-5.4		4830.5	T	0	0	441,869	1,404,491
661	330		1° 22'	+16.6°	6.8	89° 20'	+3.8	-3.0		4832.9		+314	+102	442,183	1,404,593

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-22-82		B. Cotcamp		M. Knapp		6834		Jm B.C.		2		50			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
UTAH		GRANITE Mtn.-15		UTAH		MILLARD								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
									4835.9						
662	660		01° 22'	+16.6°	5.1	89° 20'	+7.7	+2.6		4838.5		+628	+204	442,497	1,404,695
663	990		" "	" "	9.6	89° 20'	+11.5	+1.9		4837.8		+942	+305	442,811	1,404,796
664	1320		" "	" "	9.8	87° 20'	+15.4	+5.6		4841.5		+1256	+407	443,125	1,404,898
665	1650		" "	" "	10.1	89° 20'	+19.2	+9.1		4845.0		+1570	+509	443,439	1,405,000
666	1980		" "	" "	10.9	89° 20'	+23.0	+12.1		4848.0		+1883	+611	443,752	1,405,102
667	2311		01° 22'	" "	11.9	89° 20'	+26.9	+15.0		4850.9		+2198	+713	444,067	1,405,204
Bm	2556		01° 30' 04"	" "	13.2	89° 20'	+29.7	+16.5		4852.4	Bm	+2429	+714	444,298	1,405,285
668	2628		359° 49' 40"	+16.6°	13.3	89° 20'	+30.7	+17.4			TP	+2521	+743	444,389	1,405,232
668	2628				13.2	270° 40'	+30.7	+17.5		4853.4	TP	-1	-2		COORDED.
	1653		165° 21' 53" +180	+16.6°	+14.5	90° 20'	+9.6	+24.1	4877.5		BS	+1652	+57		
	1653				+9.7	90° 30'	+14.4	+24.1			BS	-1	-2		
669	1320		164° 42'	+16.6°	10.1	90° 30'	-11.5	-21.6		4855.9		-1320	-30	444,720	1,405,257
670	990		" "	" "	9.1	90° 30'	-8.6	-17.7		4859.8		-990	-22	445,050	1,405,265
671	660		" "	" "	7.0	90° 30'	-5.8	-12.8		4864.7		-660	-15	445,380	1,405,272
672	330		164° 44'	" "	5.9	90° 30'	-2.9	-8.8		4868.7		-330	-8	445,710	1,405,279
673	0				5.4	-		-5.4		4872.1	TP	0	0	446,040	1,405,287
674	330		343° 59'	+16.6°	7.6	88° 50'	+6.7	-0.9		4876.6		+330	+3	446,370	1,405,290
675	660		342° 09'	" "	7.7	88° 50'	+13.4	+5.7		4883.2		+660	-14	446,700	1,405,273
676	990		342° 41'	" "	7.8	88° 50'	+20.2	+12.4		4889.9		+990	-12	447,030	1,405,275
677	1321		342° 33'	" "	8.0	88° 50'	+26.9	+18.9		4896.4		+1321	-20	447,361	1,405,267

B7 HIGH V-144,295 X-1,405,275
USGS 1958 ELEV. 4853

AROUND

COORDED.

