

KEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

PAGE 1 OF 1

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-1-83		B. Cotcamp		D. Wrinkle		6834		B.C.		4		1			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Stone House - 7 1/2		NEVADA		White Pine								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
K1	U.S.C+6S	Bm -152	mag 1975 Elevat		1986 meters	-6360.2	Y-1849.830	X-790.075	6360.2						WILD-71 2503 LITZ REO-1A 25704 U.S.C+6S Bm Elev. 6360.2 1975-152 MOC Y-1,849,830 X-790,075 (scaled)
BS	1645		67 55 55	+14.9	11.6	91 -	+28.7	+40.3	6400.3		BS	-205	-1632		
BS	1645				11.3	269 -	+28.7	+40.0	6401.3		BS				
TP	0				5.2	-		-5.2		6395.1	TP	0	0	1,849,625	788,443
1	150		291 55	+14.9	5.9	93 20	-8.7	-14.6		6385.7		+90	-120	1,849,715	788,323
2	473		280 39	" "	9.0	92 -	-16.5	-25.5		6374.8		+204	-427	1,849,829	788,016
3	797		275 13	" "	10.6	91 -	-13.9	-24.5		6375.8		+274	-748	1,849,899	787,695
4	1118		270 51	" "	7.7	90 30	-9.8	-17.5		6382.8		+303	-1076	1,849,928	787,367
5	1133		270 47 24	" "	6.7	90 30	-9.9	-16.6		6383.7	TP	+306	-1091	1,849,931	787,352
5	1433		266 19	" "	9.2	-		-9.2		6391.1		+279	-1406	1,849,904	787,037
6	1757		264 05 34	" "	7.1	89 40	+10.2	+3.1		6403.4	TP	+275	-1735	1,849,900	786,708
6	1757				7.0	270 20	+10.2	+3.2			TP				
	1650		78 37 34	+14.9	8.5	91 50	+52.8	+61.3	6464.7		BS	+101	-1646		
	1650				13.3	91 40	+48.0	+61.3			BS	-1			
7	1320		79 16	+14.9	8.4	92 -	-46.1	-54.5		6410.2		-96	+1317	1,849,924	786,379
8	990		79 16	" "	12.0	92 -	-34.6	-46.6		6418.1		-72	+987	1,849,928	786,049
9	660		" "	" "	11.2	92 -	-23.0	-34.2		6430.5		-48	+658	1,849,952	785,720
10	330		" "	" "	6.3	92 -	-11.5	-17.8		6446.9		-24	+329	1,849,926	785,391
11	0				5.2	-		-5.2		6459.5	TP	0	0	1,850,000	785,067
12	330		261 27	+14.9	8.0	89 30	+2.9	-5.1		6459.6		+37	-328	1,850,037	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE					
6.1.83		B. Cotcamp		D. Wrinke		6834		JK		L. D.					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY	
NEVADA		STONE HOUSE - 7 1/2'		NEVADA		White Pine								L. D.	
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		Y	X
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		
									6464.7						
13	660		261° 27'	+14.9	6.2	89° 30'	+5.8	-0.4		6464.3		+73	-656	1,850,023	784,406
14	981		255° 56'	"	11.8	88° 50'	+20.0	+8.2		6472.9		+14	-981	1,850,014	784,081
15	1303		252° 03'	"	8.7	88° 50'	+26.5	+17.8		6482.5		+69	-1301	1,850,069	783,761
16	1624		249° 04' 41"	"	9.3	88° 50'	+33.1	+23.8		6488.5	TP	-170	-1615	1,849,829	783,447
16	1624				14.0	88° 40'	+37.8	+23.8			TP				
	1320		53° 01' 29"	+14.9	9.6	91° 40'	+38.4	+48.0	6536.5		BS	-496	-1223		
	1320				5.8	91° 50'	+42.2	+48.0			BS	-1			
17	990		52° 11'	+14.9	10.0	91° 30'	-25.9	-35.9		6500.6		+386	+912	1,849,718	783,136
18	660		51° 57'	"	8.8	91° 30'	-17.3	-26.1		6510.4		+259	+607	1,849,591	782,831
19	330		53° 58'	"	8.3	91° 30'	-8.6	-16.9		6519.6		+119	+308	1,849,451	782,532
20	0				5.2	-		-5.2		6531.3	X	0	0	1,849,332	782,224
21	330		238° 27'	+14.9	6.3	88° 20'	+9.6	+3.3		6539.8		-95	-316	1,849,237	781,908
22	660		237° 49'	"	10.5	88° 20'	+19.2	+8.7		6545.2		-196	-630	1,849,136	781,594
23	990		"	"	10.0	88° 20'	+28.8	+18.8		6555.3		-294	-945	1,849,038	781,279
24	1320		"	"	10.1	88° 20'	+38.4	+28.3		6564.8		-392	-1260	1,848,940	780,964
25	1646		235° 40' 50"	"	9.2	88° 20'	+47.9	+38.7			TP	-547	-1552	1,848,784	780,671
25	1646				14.1	88° 10'	+52.7	+38.6		6575.1	TP	-1	-1		
	1316		45° 55' 33"	+14.9	9.0	91° 40'	+38.3	+47.3			BS	-641	-1149		
	1316				12.8	91° 30'	+34.4	+47.2	66223		BS	-1	-1		

NOTES-HIGH RESOLUTION DATA

Geosource Inc.

1.83		INSTRUMENT MAN B. Cotcamp		ROD MAN P. Wrinkle		PARTY NUMBER 6834		NOTES CHECKED BY BC		LINE NO. 4						
NEVADA		TOPO MAP STONEHOUSE - 7 1/2		STATE NEVADA		COUNTY White Pine		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 - LAT.	EAST + WEST - DEP.	COORDINATES Y X		RE
									6622.3							
26	989		43° 48'	+14.9	10.8	91° 50'	-31.6	-42.4		6579.9		+514	+845	1,848,656	780,366	
27	660		41° 06'	~ ~	7.0	92° 14'	-25.7	-32.7		6589.6		+369	+547	1,848,511	780,068	
28	330		37° 01'	~ ~	6.3	92° 20'	-13.4	-19.7		6602.6		+204	+260	1,848,316	779,781	
29	0				5.2	-		-5.2		6617.1	π	0	0	1,848,142	779,521	
30	330		213° 44'	+14.9	8.0	89° -	+5.8	-2.2		6620.1		-218	-248	1,847,924	779,273	
31	660		213° 04'	~ ~	5.2	89° -	+11.5	+6.3		6628.6		-442	-490	1,847,700	779,031	
32	993		213° 40' 44"	~ ~	8.0	88° 30'	+26.0	+18.0		6640.3	TP	-657	-744	1,847,484	778,776	ACROSS STATION
32	993				10.9	88° 20'	+28.9	+18.0			TP	-1	-1			
	1312		52° 58' 17"	+14.9	8.0	92° 30'	+57.2	+65.2		6705.5	BS	-494	-1214			
	1312			+	11.8	92° 20'	+53.4	+65.2			BS	-1	-1			
33	985		50° 13'	+14.9	11.1	92° 20'	-40.1	-51.2		6654.3		+414	+894	1,847,403	778,455	
34	660		47° 04'	~ ~	10.5	92° 30'	-28.8	-39.3		6666.2		+310	+583	1,847,299	778,144	
35	330		45° 50'	~ ~	10.0	92° 30'	-14.4	-24.4		6681.1		+161	+288	1,847,150	777,849	
36	0				5.2	-		-5.2		6700.3	π	0	0	1,846,989	777,561	
37	330		228° 44'	+14.9	6.1	87° 40'	+13.4	+7.3		6712.8		-147	-296	1,846,842	777,265	
38	660		229° 10'	~ ~	7.8	87° 40'	+26.9	+19.1		6724.6		-289	-594	1,846,700	776,967	
39	990		227° 56'	~ ~	11.3	87° 40'	+40.3	+29.0		6734.5		-452	-881	1,846,537	776,680	
40	1320		227° 46' 05"	~ ~	5.5	88° 10'	+42.2	+36.7		6742.2	TP	-608	-1171	1,846,380	776,389	
40	1320				9.3	88° -	+46.1	+36.8			TP	-1	-1			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-1-83		B. Cotcamp		D. Winkle		6834		B.C.		4		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		STONEHOUSE - 7 1/2		NEVADA		White Pine								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
										6742.2					
	658		42° 17' 41"	+14.9	6.9	91° -	+11.5	+18.4	6760.6		BS	-356	-553		
	658			+	5.0	91° 10'	+13.4	+18.4		BS	-1	-1			
41	330		39° 42'	+14.9	7.0	90° 46'	-3.8	-10.8		6749.8		+191	+269	1,846,214	776,104
42	0				5.2	-		-5.2		6755.4	X	0	0	1,846,023	775,835
43	330		228° 06'	+14.9	7.3	88° 30'	+8.6	+1.3		6761.9		-150	-294	1,845,873	775,541
44	658		226° 58'	"	7.1	88° 10'	+21.1	+14.0		6774.6		-310	-580	1,845,713	775,255
45	987		225° 38' 13"	"	11.2	88° 10'	+31.6	+21.4	}		TP	-485	-859	1,845,537	774,975
45	987				7.4	88° 20'	+28.7	+21.3		6781.9	TP	-1	-1		
	987		48° 10' 48"	+14.9	6.4	92° -	+34.4	+40.8	}	6822.7	BS	-447	-880		
	987			+	9.3	91° 50'	+31.6	+40.9		BS	-1	-1			
46	659		45° 19'	+14.9	9.7	91° 30'	-17.3	-27.0		6795.7		+327	+572	1,845,416	774,666
47	330		44° 59'	"	8.3	91° 30'	-8.6	-16.9		6805.8		+166	+285	1,845,255	774,379
48	0				5.2	-		-5.2		6817.5	X	0	0	1,845,089	774,094
49	330		229° 24'	+14.9	7.9	87° 40'	+13.4	+5.5		6828.2		-143	-297	1,844,940	773,797
TP	600		230° 56' 54"	"	6.7	87° 30'	+26.2	+19.5	}	6842.2	TP	-245	-547	1,844,843	773,546
TP	600				8.4	87° 20'	+27.9	+19.5		TP	-1	-1			
	308		74° 59' 37"	+14.9	5.8	93° -	+16.1	+21.9	}	6864.1	BS	-1	-308		
	308			+	6.7	92° 30'	+15.2	+21.9		BS	-1	-1			
50	239		71° 44'	+14.9	7.9	92° 20'	-9.7	-17.6		6846.5		+14	+239	1,844,855	773,476
X	0				5.2	-		-5.2		6858.9	X	0	0	1,844,841	773,237

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6-1-83		B. Cotcamp		D. Winkle		6834		B.C.		4	5						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
NEVADA		STONEHOUSE -7 1/2'	NEVADA	White Pine					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		
									6864.1								
51	90		270° 31'	+14.9°	5.3	87° 40'	+3.7	-1.6		6862.5		+24	-87	1,844,865	773,150		
#1	121		263° 23' 36"	"	5.2	87° 40'	+4.9	-0.3		6863.8	#1	+17	-120	1,844,858	773,117	-1,844,840 X = 773,100	
52	420		264° 43'	"	6.9	86° 40'	+24.4	+17.5		6881.6		+70	-414	1,844,911	772,823	#1 T-ROAD SOUTH ELEV. 68634	
TP	659		265° 47' 23"	"	4.9	86° 40'	+38.3	+33.4		6897.5	TP	+122	-640	1,844,962	772,591		
TP	659				6.8	86° 30'	+40.2	+33.4			TP						
	1720		93° 53' 49"	+14.9°	13.0	92° 40'	+80.0	+93.0	6990.5		BS	+554	-1627				
	1720			+	12.9	267° 20'	+80.0	+92.9			BS						
53	1629		92° 30'	+14.9°	7.9	92° 50'	-80.5	-88.4		6902.1		-487	+1554	1,845,008	772,518		
54	1309		89° 35'	"	12.0	92° 50'	-64.7	-76.7		6913.8		-327	+1267	1,845,188	772,231		
55	983		86° 38'	"	12.7	92° 50'	-48.6	-61.3		6929.2		-197	+963	1,845,318	771,927		
56	655		84° 16'	"	8.8	93° 10'	-36.2	-45.0		6945.5		-104	+647	1,845,411	771,611		
57	329		78° 42'	"	8.0	93° 10'	-18.2	-26.2		6964.3		-21	+328	1,845,494	771,292		
58	0				5.2	-		-5.2		6985.3	T	0	0	1,845,515	770,964		
BM	93		263° 41' 42"	+14.9°	4.6	86° 40'	+5.4	+0.8		6991.3	BM	+14	-92	1,845,527	770,872	U.S.C. & G.S. BM 261 ELEV. 1934	
59	330		243° 20'	"	7.5	88° 10'	+10.6	+3.1		6993.6		-67	-323	1,845,448	770,641		
60	656		238° 20'	"	7.2	88° 10'	+21.0	+13.8		7004.3		-189	-628	1,845,326	770,336		
61	990		238° 06' 00"	"	6.6	88° -	+34.6	+28.0		7018.5	TP	-289	-946	1,845,225	770,018	ARCS STATION	
61	990				3.7	88° 10'	+31.7	+28.0			TP						
	978		60° 00' 46"	+14.9°	4.4	93° -	+51.2	+55.6	7074.1		BS	-254	-943				
	978			+	12.8	92° 30'	+42.7	+55.5			BS						

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6-1-83		B. Cotcamp		O. Wrinkle		6834		Dw		4		6			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA				NEVADA		White Pine								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
									7074.1						
62	658		54° 39'	+14.9°	8.2	92° 30'	-28.7	-36.9		7037.2		+230	+617	1,845,200	769,692
63	330		51° 31'	" "	6.5	92° 30'	-14.4	-20.9		7053.2		+132	+302	1,845,102	769,377
64	0				5.2	-		-5.2		7068.9	TP	0	0	1,844,978	769,075
65	330		247° 39'	+14.9°	7.0	86° 50'	+18.2	+11.2		7085.3		-43	-327	1,844,927	768,748
66	658		243° 54'	" "	8.5	87° 30'	+28.7	+20.2		7094.3		-128	-645	1,844,842	768,430
67	982		239° 31' 42"	" "	10.6	87° 20'	+45.7	+35.1		7109.2	TP	-263	-945	1,844,706	768,130
67	982				13.4	87° 10'	+48.5	+35.1			TP	-	-		
	1039		55° 11' 54"	+14.9°	11.6	92° 30'	+45.3	+59.9	7169.1		BS	-353	-976		
	1039				11.6	92° 40'	+48.3	+59.9			BS	-	-		
68	709		54° 23'	+14.9°	8.8	92° 40'	-33.0	-41.8		7127.3		+251	+663	1,844,603	767,817
69	382		49° 52'	" "	8.6	92° 40'	-17.8	-26.4		7142.7		+163	+346	1,844,515	767,500
70	57		31° 03'	" "	5.6	-		-5.6		7163.5		+40	+41	1,844,392	767,195
TP	0				5.2	-		-5.2		7163.9	TP	0	0	1,844,352	767,154 opp. Side of Road
71	282		250° 22'	+14.9°	6.0	86° 50'	+15.6	+9.6		7178.7		-23	-281	1,844,329	766,873
72	605		250° 48'	" "	6.4	86° 40'	+35.2	+28.8		7197.9		-45	-603	1,844,307	766,551
73	924		244° 33' 53"	" "	6.6	86° 20'	+59.1	+52.5		7221.6	TP	-169	-907	1,844,182	766,247
73	924				9.3	86° 10'	+61.8	+52.5			TP	-	-		
	989		38° 24' 23"	+14.9°	8.1	93° 30'	+60.4	+68.5	7290.1		BS	-590	-792		
	989				10.9	93° 20'	+57.5	+68.4			BS	-	-		

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6-1-83		B. Cotramp		D. Winkle		6834		Dw		4		7				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		SMITH BOWNE - 7 1/2'		NEVADA		White Pine								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
									7290.1							
74	660		38° 56'	+14.9°	7.9	93° 30'	-40.2	-48.1		7242.0		+389	+533	1,843,980	765,988	y - 1843,985 x - 765,895
74	512		41° 11' 39"	~	10.6	93° 30'	-31.2	-41.8		7248.3	TP	+285	+424	1,843,876	765,879	TP - TRAIL NORTH
75	330		38° 01'	~	8.7	93° 30'	-20.1	-28.8		7261.3		+199	+263	1,843,790	765,718	
76	0				5.2	-		-5.2		7284.9	TP	0	0	1,843,591	765,455	
77	330		221° 31'	+14.9°	6.8	85° -	+28.7	+21.9		7312.0		-152	-293	1,843,439	765,162	
TP	591		226° 21' 35"	~	7.0	85° -	+51.5	+44.5		7334.6	TP	-283	-516	1,843,307	764,939	
TP	591				5.3	85° 10'	+49.8	+44.5			TP	-	-			
	721		76° 45' 01"	+14.9°	6.7	95° -	+62.8	+69.5	7404.1		BS	+21	-718			
	721			+	4.7	95° 10'	+64.9	+69.6			BS	-	-			
78	646		75° 38'	+14.9°	8.9	94° 50'	-54.2	-63.1		7341.0		-6	+646	1,843,321	764,867	
79	328		64° 33'	~	7.7	94° 50'	-27.5	-35.2		7368.9		+60	+322	1,843,387	764,543	
80	0				5.2	-		-5.2		7398.9	TP	0	0	1,843,327	764,221	
81	330		224° 31'	+14.9°	6.7	85° 10'	+27.7	+21.0		7425.1		-167	-284	1,843,160	763,931	
82	659		227° 34'	~	6.8	85° 10'	+55.5	+48.7		7452.8		-305	-584	1,843,022	763,637	
83	974		223° 15'	~	7.2	84° 50'	+87.7	+80.5		7484.6		-514	-827	1,842,813	763,394	
84	1293		218° 51' 42"	~	10.6	84° 30'	+123.9	+113.3		7517.4	TP	-761	-1038	1,842,565	763,183	
84	1293				6.8	84° 40'	+120.2	+113.4			TP	-	-			
	654		30° 02' 06"	+14.9°	4.2	96° -	+68.4	+72.6	7590.0		BS	-460	-459			
	654			+	8.0	95° 40'	+64.6	+72.6			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.1.83		B. Cotcamp		D. Winkle		6834		DW		24		8			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Schellbourne - 7 1/2'		NEVADA		White Pine								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
									7590.0						
85	327		25° 04'	+14.9°	4.8	86° -	-34.2	-39.0		7551.0		+251	+210	1,842,355	762,934
86	0				5.2	-		-5.2		7587.8	π	0	0	1,842,104	762,724
Bm	142		200° 26' 40"	+14.9°	3.1	89° 20'	+1.7	-1.4		7588.6	Bm	-116	-82	1,841,988	762,642
-H-	138		213° 38' 31"	~ ~	2.3	89° 20'	+1.6	-0.7		7589.3	-H-	-91	-103	1,842,013	762,621
87	329		220° 17' 54"	~ ~	12.4	89° 50'	+1.0	-11.4		7578.6	TP	-188	-270	1,841,915	762,454
87	329				13.4	89° 40'	+1.9	-11.5			TP	-1			
	1131		40° 49' 36"	+14.9°	10.8	84° -	-118.2	-107.4			BS	-633	-929		
	1131			+	14.1	83° 50'	-121.5	-107.4	7471.2		BS	-1			
88	800		41° 04'	+14.9°	6.3	84° -	+83.6	+77.3		7548.5		+448	+663	1,841,729	762,188
89	470		40° 53'	~ ~	7.0	89° 20'	+116.2	+39.2		7510.4		+264	+389	1,841,545	761,914
90	141		37° 24'	~ ~	7.2	84° 20'	+13.9	+6.7		7477.9		+86	+112	1,841,367	761,637
π	0				5.2	-		-5.2		7466.0	π	0	0	1,841,281	761,525
91	192		236° 21'	+14.9°	10.0	93° 20'	-11.2	-21.2		7450.0		-62	-182	1,841,219	761,343
TP	281		236° 40' 16"	~ ~	8.7	94° -	-19.6	-28.3		7442.9	TP	-89	-266	1,841,191	761,259
TP	281				7.9	94° 10'	-20.4	-28.3			TP	-1			
	333		81° 09' 47"	+14.9°	8.1	85° -	-29.0	-20.9	7422.0		BS	+35	-330		
	333			+	7.1	85° 10'	-28.1	-21.0			BS	-1			
92	87		77° 22'	+14.9°	6.7	84° 50'	+7.8	+1.1		7423.1		-3	+87	1,841,222	761,016
π	0				5.2	-		-5.2		7416.8	π	0	0	1,841,225	760,929
93	220		264° 52'	~ ~	9.8	93° 10'	-12.1	-21.9		7400.1		+37	-217	1,841,262	760,712

U.S.G.S A-62 Elev 7588.5
 1934
 H FENCE LINE
 U-1842,005 X-762,640
 U-1842,040 X-762,645

opp side of Road

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6.3.83		D. Cotcamp		D. Wrinkle		6834		Dw XN		4		9				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		SCHENBOURNE-7 1/2'		NEVADA		White Pine								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
94	493		232° 51'	+14.9°	8.8	94° 30'	-38.6	-47.4	7422.0							
TP	545		232° 24' 23"	~	9.4	94° 30'	-42.8	-52.2		7374.6		-187	-456	1,841,038	760,473	
TP	545				11.0	94° 20'	-41.2	-52.2		7369.8	TP	-210	-501	1,841,014	760,428	ACROSS THE STA ROAD
	375		79° 59' 30"	+14.9°	6.2	85° 20'	-30.5	-24.2			BS	+32	-372			
	375			+	5.2	85° 30'	-29.4	-24.2	7245.6		BS					
95	89		77° 46'	+14.9°	5.0	85° 40'	+6.7	+1.7		7347.3		-4	+89	1,841,042	760,145	
T	0				5.2	-		-5.2		7340.4	T	6	0	1,841,046	760,056	
96	241		268° 48'	+14.9°	7.1	94° 30'	-18.9	-26.0		7319.6		+57	-234	1,841,103	759,822	
TP	390		270° 09' 40"	~	5.7	94° 30'	-30.6	-36.3		7309.3	TP	+101	-375	1,841,147	759,681	opp. side of road
TP	390				6.8	94° 20'	-29.5	-36.3			TP					
	514		114° 30' 09"	+14.9°	13.7	84° 20'	-50.8	-37.1			BS	+325	-395			
	514			+	14.9	84° 12'	-51.9	-37.0	7272.3		BS					
97	335		107° 12'	+14.9°	7.0	85° 10'	+28.1	+21.1		7293.4		-178	+284	1,841,294	759,570	
98	0				5.2	-		-5.2		7262.1	T	0	0	1,841,472	759,286	ACROSS STATION
99	295		295° 56'	+14.9°	7.1	95° -	-25.6	-32.7		7239.6		+193	-223	1,841,665	759,063	
100	607		282° 48'	~	8.2	94° 46'	-50.4	-58.6		7213.7		+282	-537	1,841,754	758,749	
101	906		272° 47' 24"	~	10.0	94° 50'	-76.3	-86.3		7186.0	TP	+274	-860	1,841,746	758,426	
101	906				7.4	95° -	-79.0	-86.4			TP					
	648		38° 68' 44"	+14.9°	9.0	83° -	-79.0	-70.0			BS	-387	-514			
	648			+	7.1	83° 10'	-77.1	-70.0	7116.0		BS					

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.3.83		B. Cotcamp		D. Wrinkle		6834		B.C.		4		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Schellbourne - 7 1/2'		NEVADA		White Pine								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
									7116.0						
102	330		33° 21'	+14.9°	8.1	82° 30'	+43.1	+35.0		7151.0		+219	+247	1,841,578	758,159
103	0				5.2	-	-	-5.2		7110.8	X	0	0	1,841,359	757,912
104	326		241° 30' 18"	+14.9°	9.1	94° -	-22.7	-31.8		7084.2	TP	-76	-316	1,841,283	757,596
104	326				10.0	93° 50'	-21.8	-31.8			TP				
	478		81° 23' 17"	+14.9°	7.0	85° -	-41.7	-34.7			BS	+52	-473		
	478				5.6	85° 10'	-40.3	-34.7	7049.5		BS				
105	191		50° 05'	+14.9°	7.7	85° 50'	+13.9	+6.2		7055.7		+81	+173	1,841,416	757,296
X	0				5.2	-	-	-5.2		7044.3	X	0	0	1,841,335	757,123
106	135		244° 28'	+14.9°	5.9	96° 40'	-15.7	-21.6		7027.9		-25	-133	1,841,310	756,990
107	452		224° 47'	"	9.2	93° 10'	-25.0	-34.2		7015.3		-228	-390	1,841,107	756,733
TP	717		226° 31' 36"	"	12.5	92° 50'	-35.4	-47.9		7001.6	TP	-343	-629	1,840,992	756,494
TP	717				10.4	93° -	-32.5	-47.9			TP				
	240		105° 36' 27"	+14.9°	11.9	84° 20'	-23.7	-11.8	6989.8		BS	+121	-206		
	240				9.2	85° -	-20.9	-11.7			BS				
108	166		110° 21'	+14.9°	4.8	86° 20'	+11.1	+6.3		6996.1		-96	+136	1,841,017	756,424
X	0				5.2	-	-	-5.2		6984.6	X	0	0	1,841,113	756,288
109	162		330° 15'	+14.9°	6.9	93° 30'	-9.9	-16.8		6973.0		+157	-42	1,841,270	756,246
TP	448		321° 14' 59"	"	3.8	93° 30'	-27.3	-31.1		6958.7	TP	+409	-181	1,841,522	756,107
TP	448				5.1	93° 20'	-26.0	-31.1			TP				

1" HIGH RESOLUTION DATA

Geosource Inc.

INSTRUMENT MAN B. Cotcamp		ROD MAN D. Wrinkle		PARTY NUMBER 6834		NOTES CHECKED BY B.C.		LINE NO. 4	PAGE 11
TOPO MAP SHELL BOUNDARY - 1/2			STATE NEVADA		COUNTY White Pine		TWP	RANGE	PPM
PARTY MANAGER L. Davis									

PE ANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER- ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
											LAT.	DEP.	Y	X	
									6958.7						
168		63° 08' 47"	+14.9°	12.3	84° 40'	-52.8	-40.5			BS	-1171	-553			
568			+14.0		84° 30'	-54.4	-40.4	6918.3		BS					
549		62° 04'	+14.9°	13.0	84° 30'	+52.6	+39.6		6957.9		+124	+535	1,841,529	756,089	
226		53° 36'	"	7.9	84° 30'	+21.7	+13.8		6932.1		+83	+210	1,841,488	755,764	
0				5.2	-		-5.2		6913.1	TP	0	0	1,841,405	755,554	
12	104	237° 42'	+14.9°	5.1	95° -	-9.1	-14.2		6904.1		-31	-99	1,841,374	755,455	
113	432	234° 36'	"	10.6	95° -	-37.7	-48.3		6870.0		-151	-405	1,841,254	755,149	y - 1,841,245 x - 755,100
114	586	234° 06' 05"	"	10.4	95° 30'	-56.2	-66.6		6851.7	TP	-209	-545	1,841,196	755,009	PT-TRAIL NORTH
114	762	236° 12'	"	11.0	94° 50'	-64.2	-75.2		6843.1		-247	-721	1,841,158	754,833	
115	826	235° 48' 47"	"	6.2	94° 50'	-69.6	-75.8		6842.5	TP	-272	-777	1,841,133	754,777	# CREEK CROSSING
115	1091	236° 47'	"	10.0	92° 50'	-53.9	-63.9		6854.4		-343	-1036	1,841,062	754,518	y - 1,841,075 x - 754,455
TP	1164	236° 30' 22"	"	5.8	92° 50'	-57.5	-63.3			TP	-371	-1102	1,841,034	754,452	PT-TRAIL NORTH
				5.7	267° 10'	-57.5	-63.2		6855.1	TP					
	1234	20° 22' 01"	+14.9°	14.3	87° 12'	-60.3	-46.0			BS	-1006	-712			
	1234		+14.2		272° 48'	-60.3	-46.1	6809.0		BS					
116	990	18° 54'	+14.9°	7.8	87° 40'	+40.3	+32.5		6841.5		+823	+551	1,840,851	754,291	
117	660	19° 19'	"	6.7	87° 40'	+26.9	+20.2		6829.2		+546	+371	1,840,574	754,111	
118	330	18° 22'	"	5.3	87° 40'	+13.4	+8.1		6817.1		+276	+181	1,840,304	753,921	
119	0			5.2	-		-5.2		6803.8	TP	0	0	1,840,028	753,740	
120	330	202° 39'	+14.9°	6.0	92° 20'	-13.4	-19.4		6789.6		-262	-201	1,839,766	753,539	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.3.83		B. Cotcamp		D. Wrinkle		6834		B.C.		4		12			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Schell Boulev - 7 1/2'		NEVADA		White Pine								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER-ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6809.0						
121	659		205° 51'	+14.9°	7.2	92° 20'	-26.8	-34.0		6775.0		-499	-430	1839,529	753,310
TP	879		206° 05' 42"	~	9.1	92° 20'	-35.8	-44.9		6764.1	TP	-663	-576	1839,365	753,164
TP	879				11.6	92° 10'	-33.2	-44.8			TP				
	2239		21° 33' 06"	+14.9°	7.6	87° 30'	-97.7	-90.1	6673.9		BS	-1799	-1329		
	2239				+7.4	272° 30'	-97.7	-90.3	6673.9		BS				
122	2129		21° 07'	+14.9°	6.9	87° 40'	+86.7	+79.8		6753.7		+1722	+1252	1839,288	753,087
TI	1852		20° 35' 56"	~	13.6	88° -	+64.6	+51.0		6724.9	TI	+1507	+1075	1839,073	752,910
123	1801		20° 02'	~	12.3	88° 12'	+56.6	+44.3		6718.2		+1476	+1031	1839,042	752,866
124	1474		18° 56'	~	10.2	88° 20'	+42.9	+32.7		6706.6		+1224	+821	1838,790	752,656
IF	1420		19° 16' 56"	~	10.2	88° 20'	+41.3	+31.1		6705.0	IF	+1174	+797	1838,740	752,632
125	1144		19° 10'	+14.9°	8.5	88° 34'	+28.6	+20.1		6694.0		+948	+641	1838,514	752,476
126	815		18° 17'	~	9.2	88° 30'	+21.3	+12.1		6686.0		+682	+446	1838,248	752,281
127	485		18° 27'	~	6.6	88° -	+16.9	+10.3		6684.2		+405	+267	1837,971	752,102
128	156		18° 53'	~	7.3	86° 40'	+9.1	+1.8		6675.7		+130	+87	1837,696	751,922
X	0				5.2	-		-5.2		6668.7	X	0	0	1837,566	751,835
129	178		216° 51'	+14.9°	5.3	94° 50'	-15.0	-20.3		6653.6		-110	-140	1837,456	751,695
130	510		219° 01'	~	7.0	95° 50'	-51.8	-58.8		6615.1		-300	-412	1837,266	751,423
131	836		218° 59'	~	6.5	94° 50'	-70.4	-76.9		6592.0		-493	-675	1837,073	751,160
132	1166		217° 51'	~	8.8	94° 10'	-84.7	-93.5		6580.4		-706	-928	1836,860	750,907

y = -1.839,065x - 752,945
 ALT. ROAD NORTH
 y = -1.838,725x - 752,700
 ALT. ROAD SOUTH
 opp. side OF ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.3.83		B. Cotcamp		D. Winkle		6834		D.W.		4		13			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Squell Bourne 7 1/2		NEVADA		White Pine								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
									6673.9						
133	1496		218° 17'	+149°	9.0	94° -	-104.4	-113.4		6560.5		-896	-1198	1836,670	750,637
134	1825		218° 12'	"	10.1	93° 40'	-116.7	-126.8		6547.1		-1096	-1459	1836,470	750,376
135	2151		219° 34'	"	9.0	93° 20'	-125.1	-134.1		6539.8		-1250	-1750	1836,316	750,085
136	2464		221° 58'	"	6.1	93° -	-129.0	-135.1		6538.8		-1347	-2063	1836,219	749,712
137	2793		222° 32'	"	8.2	92° 50'	-138.1	-146.3		6527.6		-1503	-2354	1836,063	749,481
138	3123		222° 38'	"	11.0	92° 40'	-145.3	-156.3		6517.6		-1676	-2635	1835,890	749,200
139	3452		222° 44' 26"	"	8.3	92° 44'	-164.6	-172.9		6501.0	TP	-1846	-2913	1835,720	748,922
139	3452				12.2	92° 40'	-160.6	-172.8			TP				
	325		58° 58' 11"	+149°	5.5	85° 30'	-25.5	-20.0			BS	-90	-311		
	325			+	4.5	85° 40'	-24.6	-20.1	6480.9		BS				
140	0				5.2	-		-5.2		6475.7	X	0	0	1835,630	748,611
135	135		279° 12' 46"	+149°	4.9	94° 20'	-10.2	-15.1		6465.8	X	+55	-123	1835,685	748,488
141	325		293° 28' 01"	"	5.4	93° 10'	-18.0	-23.4		6457.5	TP	+201	-254	1835,831	748,357
141	325				6.4	93° -	-17.0	-23.4			TP				
	1601		114° 00' 25"	+149°	4.3	88° -	-55.9	-51.6			BS	+1005	-1245		
	1601			+	8.9	87° 50'	-60.5	-51.6	6405.9		BS				
142	1275		111° 42'	+149°	8.3	88° -	+44.5	+36.2		6442.1		-760	+1024	1836,076	748,136
143	957		107° 32'	"	12.6	88° -	+33.4	+20.8		6426.7		-513	+808	1836,323	747,920
144	645		99° 16'	"	11.9	88° -	+22.5	+10.6		6416.5		-264	+588	1836,572	747,700
145	328		89° 16'	"	9.1	88° -	+11.4	+2.3		6408.2		-80	+318	1836,256	747,430

1835,695 X - 748,505
 TRAIL WEST

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	6.3.83	INSTRUMENT MAN	B. C. Stamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	4	PAGE	14	
AREA	NEVADA	TOPO MAP	Schenbourne - T 1/2	STATE	NEVADA	COUNTY	White Pine	TWP		RANGE		PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									6405.9						y=1836.810 x=747.175	
VI	46		96° 45' 50"	+14.9°	4.9	88° -	+1.6	-3.3		6402.6	VI	-17	+43	1836.819	747.155	VI y-train north
146	0				5.2	-		-5.2		6400.7	TP	0	0	1836.836	747.112	y=1836.725 x=747.105
Bm	111		168° 44' 30"	+14.9°	5.1	91° 36'	-2.9	-8.0		6397.9	Bm	-111	-7	1836.725	747.105	U.S.C.+G.S Bm Elev. 6397.9
147	330		263° 28'	~	8.8	91° 40'	-9.6	-18.4		6387.5		+48	-326	1836.884	746.786	c-62 Horiz y=-30' 1934 color x=-10'
148	660		" "	~	5.3	91° 40'	-19.2	-24.5		6381.4		+96	-653	1836.932	746.459	
149	990		" "	~	9.5	91° 40'	-28.8	-38.3		6367.6		+144	-979	1836.980	746.133	
150	1320		" "	~	9.7	91° 40'	-38.4	-48.1		6357.8		+192	-1306	1837.028	745.806	
151	1650		" "	~	12.1	91° 40'	-48.0	-60.1		6345.8		+240	-1632	1837.076	745.480	
152	1980		" "	~	11.7	91° 40'	-57.6	-69.3		6336.6		+288	-1959	1837.124	745.153	
TP	1987		263° 07' 06"	~	5.9	91° 50'	-63.6	-69.5		6336.4	TP	+277	-1967	1837.113	745.148	
TP	1987				11.7	91° 40'	-57.8	-69.5			TP					
	3954		84° 06' 17"	+14.9°	5.9	88° -	-138.0	-132.1		6204.0	BS	+618	-3903			
	3954				5.4	772 -	-138.0	-132.4		6204.0	BS					
153	3630		83° 57'	+14.9°	6.9	88° -	+126.6	+119.7		6323.7		-558	+3587	1837.173	744.835	
154	3300		" "	~	8.0	88° -	+115.1	+107.1		6311.1		-508	+3261	1837.223	744.509	
155	2970		" "	~	7.3	88° -	+103.6	+96.3		6300.3		-457	+2935	1837.274	744.183	
156	2640		" "	~	8.3	88° -	+92.1	+83.8		6287.8		-406	+2609	1837.325	743.857	
157	2310		83° 57'	+14.9°	10.8	88° -	+80.6	+69.8		6273.8		-355	+2283	1837.376	743.531	
158	1980		" "	~	8.8	88° -	+69.1	+60.3		6264.3		-305	+1956	1837.426	743.204	
159	1650		" "	~	6.7	88° -	+57.6	+50.9		6254.9		-254	+1630	1837.477	742.878	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.6.83		B. Cotcamp		D. Wrinkle		6834		B.C.		4		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Schellbourne - 7 1/2		NEVADA		White Pine								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
									6204.0						
160	1320		83° 57'	+14.9	7.2	88° -	+46.0	+38.8		6242.8		-203	+1304	1,837,528	742,552
161	990		" "	" "	8.1	88° -	+34.5	+26.4		6230.4		-152	+978	1,837,579	742,224
162	660		" "	" "	7.9	88° -	+23.0	+15.1		6219.1		-102	+652	1,837,629	741,900
163	330		" "	" "	7.1	88° -	+11.5	+4.4		6208.4		-51	+326	1,837,680	741,574
164	0		" "	" "	5.2	-		-5.2		6198.8	TP	0	0	1,837,731	741,248
165	330		264° 04'	+14.9	6.1	91° 20'	-7.7	-13.8		6190.2		+51	-326	1,837,782	740,922
166	660		" "	" "	7.9	91° 20'	-15.4	-23.3		6180.7		+103	-652	1,837,834	740,596
167	990		" "	" "	10.0	91° 20'	-23.0	-33.0		6171.0		+154	-978	1,837,885	740,270
168	1320		" "	" "	11.2	91° 20'	-30.7	-41.9		6162.1		+206	-1304	1,837,937	739,944
169	1650		" "	" "	7.9	91° 30'	-43.2	-51.1		6152.9		+257	-1630	1,837,988	739,618
70	1980		264° 14'	" "	6.3	91° 30'	-51.8	-58.1		6145.9		+314	-1955	1,838,045	739,293
1/2	1969		263° 55' 12"	+14.9	6.4	91° 30'	-51.5	-57.9		6146.1	TP	+302	-1945	1,838,032	739,303
1	2310		264° 24'	" "	5.2	91° 30'	-60.5	-65.7		6138.3		+373	-2280	1,838,104	738,968
1	2640		264° 33'	" "	12.0	91° 20'	-61.4	-73.4		6130.6		+433	-2604	1,838,164	738,644
1	2970		264° 39'	" "	12.0	91° 20'	-69.1	-81.1		6122.9		+493	-2929	1,838,224	738,319
1	3300		264° 47'	" "	11.7	91° 20'	-76.8	-88.5		6115.5		+555	-3253	1,838,286	737,995
1	3630		264° 51'	" "	11.8	91° 20'	-84.4	-96.2		6107.8		+615	-3578	1,838,346	737,670
1	3963		264° 56' 22"	+15.1	11.7	91° 20'	-92.2	-103.9			TP	+691	-3901	1,838,422	737,350
1	3963				11.3	268° 40'	-92.2	-103.5	103.7	6100.3	TP		+3		

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE	6.6.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Winkle	PARTY NUMBER	6834	NOTES CHECKED BY	JD DW	LINE NO.	4	PAGE	17	
AREA	NEVADA	TOPO MAP	Borchert Spring - 7 1/2	STATE	NEVADA	COUNTY	White Pine	TWP		RANGE		PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
									6045.3							
194	2640		265° 35'	+15.1°	10.0	90° 50'	-38.4	-48.4		5996.9		+489	-2594	1,839,513	731,513	
195	2970		" "	" "	9.2	90° 50'	-43.2	-52.4		5992.9		+551	-2919	1,839,525	731,188	
196	3301		265° 35' 44"	" "	8.8	90° 50'	-48.0	-56.8		5988.7	TP	+613	-3243	1,839,636	730,867	
196	3361				8.4	269° 10'	-48.0	-56.4	-56.6		TP					
	3300		85° 23' 38"	+15.1°	7.2	89° 20'	-38.4	-31.2	5957.3		BS	+601	-3245			
	3300				6.8	270° 40'	-38.4	-31.6	31.4		BS					
197	2970		85° 24'	+15.1°	7.8	89° 20'	+84.6	+26.8		5984.1		-541	+2920	1,839,695	730,544	
198	2640		" "	" "	7.7	89° 20'	+30.7	+28.0		5980.3		-481	+2596	1,839,755	730,220	
199	2310		" "	" "	7.8	89° 20'	+26.9	+19.1		5976.4		-421	+2271	1,839,815	729,895	
200	1980		" "	" "	7.0	89° 20'	+23.0	+16.0		5973.3		-361	+1947	1,839,875	729,571	
201	1650		" "	" "	6.6	89° 20'	+19.2	+12.6		5969.9		-301	+1622	1,839,935	729,246	
202	1320		" "	" "	9.8	89° 10'	+19.2	+9.4		5966.7		-241	+1298	1,839,995	728,922	
Bm	1317		87° 28' 56"	+15.1°	8.9	89° 10'	+19.1	+10.2		5962.5	Bm	-286	+1281	1,839,950	728,905	1,839,950 x -728,905
203	990		85° 24'	" "	8.8	89° 10'	+14.4	+5.6		5962.9		-180	+973	1,840,056	728,597	U.S.C. + G.S. Bm Bl. 5967.1 E. 62 1934 Horiz 2--2' CORR. X=117
204	660		" "	" "	7.9	89° 10'	+9.6	+1.7		5959.0		-120	+649	1,840,116	728,273	
205	330		" "	" "	6.3	89° 10'	+4.8	-1.5		5955.8		-60	+324	1,840,176	727,948	
206	0				5.2	-		-5.2		5952.1	X	0	0	1,840,236	727,624	
207	330		265° 28'	+15.1°	5.6	90° 30'	-2.9	-8.5		5948.8		+61	-324	1,840,297	727,300	
208	660		" "	" "	6.0	90° 30'	-5.8	-11.8		5945.5		+121	-649	1,840,357	726,975	
209	990		" "	" "	6.2	90° 30'	-8.6	-14.8		5942.5		+182	-973	1,840,418	726,651	

SURVEY NOTES-HIGH RESOLUTION DATA

GEQ-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.6.83		B. Cotcamp		D. Wrinkle		6834		no DW		4		18			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Borchert Spring-7 1/2		NEVADA		White Pine									
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
									5957.3						
210	1320		265° 28'	+15.1°	6.4	90° 30'	-11.5	-17.9		5939.4		+242	-1298	1840,478	726,326
211	1650		" "	" "	6.2	90° 30'	-14.4	-20.6		5936.7		+303	-1622	1840,539	726,002
212	1980		" "	" "	7.4	90° 30'	-17.3	-24.7		5932.6		+363	-1946	1840,599	725,678
213	2310		" "	" "	8.0	90° 30'	-20.2	-28.7		5929.1		+424	-2271	1840,660	725,353
214	2640		" "	" "	7.9	90° 30'	-23.0	-30.9		5926.4		+484	-2595	1840,720	725,029
215	2970		" "	" "	8.1	90° 30'	-25.9	-34.0		5923.3		+545	-2920	1840,781	724,704
216	3302		265° 28' 01"	" "	8.7	90° 30'	-28.8	-37.5			TP	+606	-3246	1840,839	724,378
216	3302				8.4	269° 30'	-28.8	-37.2	5921.4	5919.9	TP	-3			
	3301		87° 13' 04"	+15.3°	11.4	89° 31'	-25.0	-13.6	5906.1		BS	+715	-3222		
	3301				11.1	270° 26'	-25.0	-13.9	5903.8		BS	-3			
217	2970		87° 25'	+15.3°	7.1	89° 40'	+17.3	+10.2		5916.3		-654	+2897	1840,897	724,053
218	2640		87° 38'	" "	6.8	89° 40'	+15.4	+8.6		5914.7		-591	+2573	1840,960	723,729
219	2310		87° 53'	" "	6.7	89° 40'	+13.4	+6.7		5912.8		-527	+2249	1841,024	723,405
220	1980		88° 14'	" "	7.0	89° 40'	+11.5	+4.5		5910.6		-463	+1925	1841,088	723,081
221	1650		88° 43'	+15.3°	7.4	89° 40'	+9.6	+2.2		5908.3		-400	+1601	1841,151	722,757
222	1320		89° 37'	" "	7.9	89° 40'	+7.7	-0.2		5905.9		-340	+1276	1841,211	722,432
±1	1146		90° 01' 52"	" "	10.3	89° 40'	+6.7	-3.6		5902.5	±1	-303	+1105	1841,248	722,261
223	990		89° 37'	" "	10.1	89° 40'	+5.8	-4.3		5901.8		-255	+957	1841,296	722,113
224	660		" "	" "	8.7	89° 40'	+3.8	-4.9		5901.2		-170	+638	1841,381	721,794
225	330		" "	" "	6.8	89° 40'	+1.9	-4.9		5901.2		-85	+319	1841,466	721,475

y = -1,841,265 x - 722,300
 ±1 - ROAD NORTH ELEV 5902.1

SURVEY NOTES-HIGH RESOLUTION DATA

GEQ-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.6.83		B. Cotcamp		D. Wrinkle		6834		[Signature]		4		19			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Boecheet Springs - 7 1/2		NEVADA		White Pine								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
									5906.1						
226	0				5.2	-		-5.2		5900.9	T	0	0	1841.551	721.156
227	330		270° 12'	+15.3°	6.6	89° 40'	+1.9	-4.7		5901.4		+88	-318	1841.639	720.838
228	660		271° 53'	" "	8.4	89° 40'	+3.8	-4.6		5901.5		+195	-631	1841.746	720.525
229	990		273° 35'	" "	7.7	89° 50'	+2.9	-4.8		5901.3		+320	-937	1841.871	720.219
IF	1229		273° 16' 17"	" "	7.3	89° 50'	+3.6	-3.7		5902.4	IF	+391	-1165	1841.942	719.991
230	1317		272° 49'	+15.3°	8.0	89° 50'	+3.8	-4.2		5901.9		+410	-1252	1841.961	719.904
231	1630		268° 51'	" "	9.2	89° 50'	+4.7	-4.5		5901.6		+398	-1581	1841.949	719.575
232	1952		266° 26'	" "	10.2	89° 50'	+5.7	-4.5		5901.6		+397	-1911	1841.948	719.245
233	2278		264° 58'	" "	11.7	89° 50'	+6.6	-5.1		5901.0		+406	-2242	1841.957	718.914
234	2607		265° 03'	" "	6.0	-		-6.0		5900.1		+468	-2565	1842.019	718.591
235	2923		267° 00'	" "	5.9	-		-5.9		5900.2		+623	-2856	1842.174	718.300
236	3227		269° 22' 28"	+15.3°	6.3	-		-6.3		5899.9	TP	+817	-3122	1842.365	718.034
236	3227				13.6	89° 52'	+7.5	-6.1	4.2		TP	-3			
	3945		113° 09' 02"	+15.5°	13.4	89° 52'	-9.2	+4.2	4.0	5903.9	BS	+2464	-3081		
	3945				12.9	270° 08'	-9.2	+3.7	4.0		BS	-3			
237	3615		113° 23'	+15.5°	10.6	89° 54'	+6.3	-4.3		5899.6		-2269	+2814	1842.557	717.767
238	3286		113° 42'	" "	9.8	89° 54'	+5.7	-4.1		5899.8		-2077	+2546	1842.749	717.499
239	2956		113° 56'	" "	9.3	89° 54'	+5.2	-4.1		5899.8		-1878	+2283	1842.948	717.236
240	2627		114° 21'	" "	9.0	89° 54'	+4.6	-4.4		5899.5		-1683	+2017	1843.143	716.970
241	2298		114° 58'	" "	11.3	89° 50'	+6.7	-4.6		5899.3		-1491	+1748	1843.335	716.701

-1.841.950 x -720.035

FT. ROAD NORTH

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6.7.83		B. Cotcamp		D. Wrinkle				50 Dew		4	20						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
NEVADA		Borheat Spring - 7/2	NEVADA	White Pine					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		
									5903.9								
242	1969		115° 49'	+15.5	11.8	89° 50'	+5.7	-6.1		5897.8		-1300	+1479	1,843,526	716,432		
243	1642		116° 58'	" "	9.8	89° 50'	+4.8	-5.0		5898.9		-1109	+1211	1,843,717	716,164		
244	1313		118° 20'	" "	8.4	89° 50'	+3.8	-4.6		5899.3		-909	+947	1,843,917	715,900		
245	986		116° 59'	" "	7.9	89° 50'	+2.9	-5.0		5898.9		-666	+727	1,844,160	715,680		
246	660		114° 09'	" "	7.0	89° 50'	+1.9	-5.1		5898.8		-421	+508	1,844,405	715,461		
247	330		113° 41'	" "	6.0	89° 50'	+1.0	-5.0		5898.9		-209	+256	1,844,617	715,209		
248	0				5.2	-		-5.2		5898.7	X	0	0	1,844,826	714,953		
249	330		293° 20'	+15.5	6.2	89° 50'	+1.0	-5.2		5898.7		+207	-257	1,845,033	714,696		
250	660		292° 53'	" "	6.8	89° 50'	+1.9	-4.9		5899.0		+410	-517	1,845,236	714,436		
251	990		292° 32'	" "	8.2	89° 50'	+2.9	-5.3		5898.6		+610	-780	1,845,436	714,173		
252	1320		292° 23'	" "	8.2	89° 50'	+3.8	-4.4		5899.5		+811	-1042	1,845,637	713,911	y - 1,845,715 x - 713,820	
251	1402		291° 47' 11"	+15.5	8.2	89° 50'	+4.1	-4.1		5899.8		+849	-1115	1,845,625	713,838	y - ROAD southwest	
253	1650		291° 58'	" "	8.9	89° 50'	+4.8	-4.1		5899.8		+1004	-1310	1,845,830	713,643		
254	1980		291° 45'	" "	8.8	89° 50'	+5.8	-3.0		5900.9		+1198	-1576	1,845,024	713,377		
255	2310		291° 35'	" "	8.1	89° 50'	+6.7	-1.4		5902.5		+1393	-1843	1,846,219	713,110		
256	2640		291° 25'	" "	8.8	89° 50'	+7.7	-1.1		5902.8		+1586	-2111	1,846,412	712,842		
257	2970		291° 15'	+15.5	8.9	89° 50'	+8.6	-0.3		5903.6		+1777	-2380	1,846,603	712,573		
258	3300		291° 06'	" "	9.2	89° 50'	+9.6	+0.4		5904.3		+1968	-2649	1,846,794	712,304	y - 1,846,900 x - 705,195	
259	3454		290° 53' 25"	" "	7.2	89° 50'	+10.0	+2.8		5906.7		+2049	-2780	1,846,825	712,173	R.R. tracks	
259	3630		290° 58'	" "	10.2	89° 50'	+10.6	+0.4		5904.3		+2158	-2919	1,846,982	712,034		

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.7.83		B. Cotcamp		D. Wrinkle		6834		D.W.		4		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Borchert Spring-T ¹ / ₂		NEVADA		White Pine								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
									5903.9						
260	3960		290° 51' 14"	+15.5	10.6	89° 50'	+11.5	+0.9	411	5905.0	TP	+2347	-3189	1,847,170	711,764
260	3960				10.3	270° 10'	+11.5	+1.2			TP	-3			
	3961		110° 13' 23"	+15.4	13.9	-		+13.9	412.7		BS	+2307	-3220		
	3961			+13.5	270° -			+13.5	5918.7		BS	-3			
261	3636		110° 13'	+15.4	9.1	90° 04'	-4.2	-13.3		5905.4		-2114	+2951	1,847,360	711,495
262	3300		" "	" "	8.2	90° 04'	-3.8	-12.0		5906.7		-1922	+2683	1,847,552	711,227
263	2970		" "	" "	11.8	-		-11.8		5906.9		-1730	+2414	1,847,744	710,958
264	2640		" "	" "	10.8	-		-10.8		5907.9		-1537	+2146	1,847,932	710,690
265	2310		110° 13'	+15.4	10.8	-		-10.8		5907.9		-1345	+1878	1,848,129	710,422
266	1980		" "	" "	10.3	-		-10.3		5908.4		-1153	+1610	1,848,321	710,154
267	1650		" "	" "	8.7	-		-8.7		5910.0		-961	+1341	1,848,513	709,885
268	1320		" "	" "	7.4	-		-7.4		5911.3		-769	+1073	1,848,705	709,617
269	990		110° 13'	+15.4	7.1	-		-7.1		5911.6		-577	+805	1,848,897	709,349
270	660		" "	" "	6.8	-		-6.8		5911.9		-384	+537	1,849,090	709,081
271	330		" "	" "	6.0	-		-6.0		5912.7		-192	+268	1,849,282	708,812
272	0				5.2	-		-5.2		5913.5	T	0	0	1,849,474	708,544
273	330		290° 10'	+15.4	6.0	-		-6.0		5912.7		+192	-268	1,849,666	708,276
274	660		" "	" "	5.7	-		-5.7		5913.0		+384	-537	1,849,858	708,007
275	990		" "	" "	4.0	-		-4.0		5914.7		+576	-805	1,850,050	707,739
276	1320		" "	" "	9.2	TH	+6.6	-2.6		5916.1		+768	-1074	1,850,242	707,470

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.7.83		B. Cotcamp		D. Wrinkle		6834		DW		4		22			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Boerheat Springs-7/2		NEVADA		White Pine								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
									5918.7						
277	1650		290° 10'	+15.4°	4.7	-		-4.7		5914.0		+960	-1342	1850,434	707.202
278	1980		" "	" "	5.8	-		-5.8		5912.9		+1152	-1611	1850,626	706,933
279	2310		" "	" "	6.4	-		-6.4		5912.3		+1344	-1879	1850,818	706,665
280	2640		" "	" "	6.7	-		-6.7		5912.0		+1536	-2147	1851,010	706,397
281	2970		290° 10'	+15.4°	6.8	-		-6.8		5911.9		+1728	-2416	1851,202	706,128
282	3300		" "	" "	11.0	89° 54'	+5.8	-5.2		5913.5		+1919	-2684	1851,393	705,860
283	3630		" "	" "	11.0	89° 56'	+4.2	-6.8		5911.9		+2111	-2953	1851,585	705,591
284	3960		" "	" "	11.6	89° 56'	+4.6	-7.0		5911.7		+2303	-3221	1851,772	705,323
TP	4124		290° 02' 42"	" "	13.9	89° 54'	+7.2	-6.7	-6.5	5912.2	TP	+2392	-3360	1851,863	705,184
TP	4124				13.6	290° 06'	+7.2	-6.4			TP	-3			5918.6
	3467		110° 27' 47"	+15.4°	2.1	84	+17.3	+19.4		5931.4	BS	+2031	-2810		
	3467				+1.8	84 270°	+17.3	+19.1	+19.23		BS				
285	3300		110° 19'	+15.4°	9.7	90° 10'	-9.6	-19.3		5912.1		-1926	+2679	1851,965	705,053
286	2970		" "	" "	9.8	90° 10'	-8.6	-18.4		5913.0		-1734	+2411	1852,157	704,785
287	2640		" "	" "	9.8	90° 10'	-7.7	-17.5		5913.9		-1541	+2143	1852,350	704,517
288	2310		" "	" "	9.2	90° 10'	-6.7	-15.9		5915.5		-1349	+1876	1852,542	704,250
289	1980		" "	" "	8.8	90° 10'	-5.8	-14.6		5916.8		-1156	+1608	1852,735	703,982
290	1650		110° 30'	+15.4°	8.3	90° 10'	-4.8	-13.1		5918.3		-968	+1337	1852,923	703,711
291	1320		110° 39'	" "	8.2	90° 10'	-3.8	-12.0		5919.4		-777	+1067	1853,114	703,441
292	990		" "	" "	7.2	90° 10'	-2.9	-10.1		5921.3		-583	+800	1853,308	703,174

5-1851,885 x-705,195
T-TRAIL NORTH

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 6.9.83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY D.W.	LINE NO. 4	PAGE 23
AREA NEVADA	TOPO MAP Borchert Spring T ¹ / ₂	STATE NEVADA	COUNTY White Pine	TWP	RANGE	PPM
PARTY MANAGER L. Davis						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									5931.4						y = 1853.380 x = 703.095	
293	886		111° 09' 01"	+15.4°	6.7	90° 10'	-2.4	-9.3		5922.1	TP	-528	+712	1,853,363	703.086	TP - 4 way Inter.
294	660		110° 53'	"	6.4	90° 10'	-1.9	-8.3		5923.1		-391	+532	1,853,500	702.906	
295	330		" "	"	5.7	90° 10'	-1.0	-6.7		5924.7		-195	+266	1,853,696	702.640	
296	0				5.2	-		-5.2		5926.2	TP	0	0	1,853,891	702.374	
297	330		291° 04'	+15.4°	5.3	89° 30'	+2.9	-2.4		5929.0		+196	-265	1,854,087	702.109	
298	660		" "	"	7.2	89° 30'	+5.8	-1.4		5930.0		+392	-531	1,854,283	701.843	
299	990		" "	"	8.7	89° 30'	+8.6	-0.1		5931.3		+588	-796	1,854,479	701.578	
300	1320		" "	"	9.1	89° 30'	+11.5	+2.4		5933.8		+785	-1062	1,854,676	701.312	
301	1650		" "	"	9.1	89° 30'	+14.4	+5.3		5936.7		+981	-1327	1,854,872	701.047	
302	1980		291° 00'	+15.4°	8.3	89° 30'	+17.3	+9.0		5940.4		+1175	-1594	1,855,066	700.780	
303	2310		290° 46'	"	9.2	89° 30'	+20.2	+11.0		5942.4		+1363	-1865	1,855,254	700.509	
304	2640		290° 27'	"	9.8	89° 30'	+23.0	+13.2		5944.6		+1546	-2140	1,855,437	700.234	
305	2970		290° 16'	"	10.6	89° 30'	+25.9	+15.3		5946.7		+1732	-2413	1,855,623	699.961	
306	3301		" "	"	9.9	89° 30'	+28.8	+18.9		5950.3		+1925	-2682	1,855,816	699.692	
306	3616		288° 59' 35"	"	9.3	89° 30'	+31.6	+22.3		5953.9	TP	+2042	-2984	1,855,930	699.390	
306	3616		" "	"	8.9	270° 30'	+31.6	+22.7	+22.33		TP	-3				
	3300		66° 49' 16"	+15.4°	7.6	89° 20'	+19.2	+26.8	+22.33	5980.5	BS	-447	-3270			
	3300		" "	"	7.3	270° 40'	+19.2	+26.5	+26.63		BS	-3				
307	2970		66° 43'	+15.4°	7.7	89° 20'	+17.3	-25.0		5955.5		+407	+2942	1,855,887	699.062	Borchert Spring - T ¹ / ₂
308	2640		" "	"	7.7	89° 20'	-15.4	-23.1		5957.4		+362	+2615	1,855,842	698.735	Egan Canyon - T ¹ / ₂

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.9.83		B. Cotcamp		D. Wrinkle		6834		Dew		4		24			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Egan Canyon - 7 1/2		NEVADA		White Pine								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
									5980.5						
309	2310		66° 43'	+15.4°	7.2	90° 20'	-13.4	-20.6		5959.9		+317	+2288	1,855,297	698,408
310	1980		" "	" "	12.2	90° 10'	-5.8	-18.0		5962.5		+272	+1961	1,855,252	698,081
311	1650		66° 43'	" "	10.8	90° 10'	-4.8	-15.6		5964.9		+226	+1634	1,855,206	697,754 y-1855,695 x-697,505
1/2	1365		66° 59' 35"	" "	9.5	90° 10'	-4.0	-13.5		5962.0	1/2	+181	+1353	1,855,661	697,473 1/2 T. ROAD SOUTH
312	1320		66° 43'	" "	9.7	90° 10'	-3.8	-13.0		5967.5		+181	+1308	1,855,661	697,428
313	990		" "	+15.4°	8.0	90° 10'	-2.9	-10.9		5969.6		+136	+981	1,855,616	697,101
314	660		" "	" "	6.9	90° 10'	-1.9	-8.8		5971.7		+91	+654	1,855,571	696,774
315	330		" "	" "	5.9	90° 10'	-1.0	-6.9		5973.6		+45	+327	1,855,525	696,447
316	0		" "	" "	5.2	-		-5.2		5975.3	TP	0	0	1,855,480	696,120
317	330		246° 34'	+15.4°	6.5	89° 20'	+3.8	-2.7		5972.8		-46	-327	1,855,434	695,793
318	660		" "	" "	8.2	89° 20'	+7.7	-0.5		5980.0		-92	-654	1,855,388	695,466
319	990		" "	" "	10.9	89° 20'	+11.5	+0.6		5981.1		-138	-980	1,855,342	695,140
320	1320		246° 39'	" "	11.9	89° 20'	+15.4	+3.5		5984.0		-183	-1307	1,855,297	694,813
321	1650		" "	+15.4°	8.0	89° 20'	+19.2	+11.2		5991.7		-228	-1634	1,855,252	694,486
322	1977		245° 32'	" "	8.1	89° -	+34.5	+26.4		6006.4		-312	-1952	1,855,168	694,168
323	2288		243° 54'	" "	5.8	88° 40'	+53.2	+42.4		6027.9		-425	-2248	1,855,055	693,872 y-1855,055 x-693,885
1/2	2306		243° 36' 21"	" "	4.5	88° 40'	+53.7	+49.2		6029.7	TP	-440	-2263	1,855,040	693,857 TP TRAIL
324	2386		251° 35' 59"	" "	9.0	88° 40'	+55.5	+46.5		6027.1	TP	-125	-2382	1,855,352	693,736
324	2386			" "	8.7	211° 20'	+55.5	+46.8	446.63		TP	-3	-2		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.9.83		B. Cotcamp		D. Wrinkle		6834		Set		4		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Egan Canyon - 7 1/2		NEVADA		White Pine								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
										6027.1					
	2309		148° 28' 52"	+15.4	7.4	-		+7.4	6034.3		BS	+2218	-641		
	2309				+6.9	270		+6.9	+7.2		BS	-2	-2		
325	1980		149° 25'	+15.4	10.9	89° 50'	+5.8	-5.1		6029.2		-1911	+519	1855,657 693,612	
326	1650		149° 34'	"	12.8	89° 50'	+4.8	-8.0		6026.3		-1594	+428	1855,974 693,521	
327	1320		" "	"	11.3	89° 50'	+3.8	-7.5		6026.8		-1275	+342	1856,293 693,435	
41	1293		149° 43' 54"	"	10.6	89° 50'	+3.8	-6.8		6027.5	41	-1250	+332	1856,318 693,425 41 y-ROAD EAST	
328	990		149° 26'	"	7.7	89° 50'	+2.9	-4.8		6029.5		-956	+259	1856,612 693,352	
329	660		149° 12'	"	7.0	89° 50'	+1.9	-5.1		6029.2		-636	+175	1856,932 693,268	
330	330		148° 18'	"	4.7	89° 50'	+1.0	-3.7		6030.6		-317	+93	1857,251 693,186	
331	0				5.2	-		-5.2		6029.1	π	0	0	1857,568 693,093	
332	330		324° 33'	+15.4	4.3	89° 50'	+1.0	-3.3		6031.0		+310	-113	1857,878 692,980	
333	660		323° 43'	"	5.0	89° 50'	+1.9	-3.1		6031.2		+617	-235	1858,185 692,858	
334	990		323° 20'	"	10.9	89° 50'	+2.9	-8.0		6026.3		+923	-359	1858,491 692,734	
335	1320		323° 11'	"	11.2	89° 50'	+3.8	-7.4		6026.9		+1229	-482	1858,797 692,611	
336	1650		322° 59'	"	7.9	89° 50'	+4.8	-3.1		6031.2		+1534	-608	1859,102 692,485	
337	1980		" "	"	5.5	89° 50'	+5.8	+0.3		6034.6		+1841	-729	1859,409 692,364	
338	2310		322° 55'	"	10.1	89° 40'	+13.4	+3.3		6037.6		+2147	-853	1859,715 692,240	
339	2640		" "	"	7.6	89° 40'	+15.4	+7.8		6042.1		+2453	-975	1860,021 692,118	
340	2971		322° 57' 19"	"	7.1	89° 40'	+17.3	+10.2		6044.8	TP	+2761	-1096	1860,327 691,995	
340	2971				6.6	270 20	+17.3	+10.7	40.5		TP	-2	-2		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	6-9-83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Winkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW	LINE NO.	4	PAGE	26	
AREA	NEVADA	TOPO MAP	EGAN Canyon - 7 1/2'	STATE	NEVADA	COUNTY	White Pine	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.	
									6044.8					
	1891		147° 46' 15"	+15.4	10.2	90° 40'	+22.0	+32.2			BS	+1810	-547	
	1891				4.7	90° 50'	+27.5	+32.2	6077.0		BS	-2	-2	
341	1563		148° 49'	+15.4	9.9	90° 40'	-18.2	-28.1		6048.9		-1504	+425	1,860,631 691,871
342	1234		150° 20'	"	9.8	90° 40'	-14.4	-24.2		6052.8		-1196	+304	1,860,939 691,750
343	908		152° 31'	"	9.8	90° 40'	-10.6	-20.4		6056.6		-888	+189	1,861,247 691,635
344	583		148° 16'	"	7.9	90° 40'	-6.8	-14.7		6062.3		-559	+164	1,861,576 691,610
#	607		149° 26' 14"	"	7.4	90° 40'	-7.1	-14.5		6062.5	#	-586	+159	1,861,549 691,605
	300		124° 39'	"	10.3	90° 40'	-3.5	-13.8		6063.2		-230	+193	1,861,905 691,639
T	254		112° 47' 11"	"	7.1	90° 40'	-3.0	-10.1		6066.9	T	-157	+200	1,861,978 691,646
346	0				5.2	-		-5.2		6071.8	X	0	0	1,862,135 691,446
347	324		286° 59'	+15.4	7.5	88° 40'	+7.5	+0.0		6077.0		+174	-274	1,862,309 691,172
348	654		289° 55'	"	6.0	88° 40'	+15.2	+9.2		6086.2		+378	-534	1,862,513 690,912
349	978		292° 02'	"	5.9	88° 40'	+22.8	+14.9		6093.9		+594	-777	1,862,729 690,669
350	1304		291° 42'	"	7.9	88° 40'	+30.3	+22.4		6099.4		+787	-1040	1,862,922 690,406
Bm	1535		290° 57' 14"	"	3.6	88° 40'	+35.7	+32.1		6109.1	Bm	+910	-1236	1,863,045 690,210
351	1624		288° 43' 34"	+15.4	7.3	88° 30'	+42.5	+35.2		6112.2	TP	+911	-1344	1,863,045 690,162
351	1624				12.0	88° 20'	+47.2	+35.2			TP	-1		
	656		63° 42' 50"	+15.4	11.0	-		+11.0			BS	-124	-644	
	656				9.1	90° 10'	+1.9	+11.0	6123.2		BS	-1		
352	330		58° 06'	"	6.0	-		-6.0		6117.2		+94	+316	1,863,014 689,774

y-1,863,045 x-690,210
 Dept of Interior BLM 6109.1
 177 M.A.C. 1975
 CORR. x--8

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-10-83		B. Cotcamp		D. Weinkle		6834		D.C.W.		4		27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Egan Canyon - 7 1/2'		NEVADA		White Pine								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
									6123.2						
353	0			+15.4°	5.2	-		-5.2		6119.0	TP	0	0	1862920	689.758
354	330		252° 42'	" "	5.7	87° 50'	+12.5	+6.8		6130.0		-11	-330	1862909	689.128
TP	576		250° 47' 38"	" "	9.6	87° 50'	+21.8	+12.2		6135.4	TP	-38	-574	1862881	688.884
TP	576				7.9	88° -	+20.1	+12.2			TP	-	-		
	925		89° 51' 05"	+15.4°	10.0	91° 40'	+26.9	+36.9			BS	+243	-892		
	925				+7.3	91° 50'	+29.6	+36.9		6172.3	BS	-	-		
355	838		89° 28'	+15.4°	9.0	91° 50'	-26.8	-35.8		6136.5		-215	+810	1862908	688.802
356	518		83° 18'	" "	9.2	92° 30'	-22.6	-31.8		6140.5		-78	+512	1863045	688.504
357	195		75° 53'	" "	11.7	92° 30'	-8.5	-20.2		6152.1		-4	+195	1863119	688.187
TP	0				5.2	-		-5.2		6167.1	TP	0	0	1863128	687.992 on BANK
358	132		254° 44'	+15.4°	9.1	89° 16'	+1.9	-7.2		6165.1		±0	-132	1863123	687.860
359	461		250° 40'	" "	6.1	88° 30'	+12.1	+6.0		6178.3		-32	-460	1863091	687.532
360	790		252° 14'	" "	11.1	88° 22'	+22.5	+11.4		6183.7		-33	-789	1863090	687.203
361	1117		253° 40' 12"	" "	13.8	88° 06'	+37.0	+23.2		6195.5	TP	-18	-1116	1863104	686.876
361	1117				15.0	88° 02'	+38.3	+23.3			TP	-	-		
	329		89° 31' 30"	+15.4°	9.5	-		+9.5		6205.0	BS	+85	-318		
	329				+8.6	90° 10'	+1.0	+9.6			BS	-	-		
362	0				5.2	-		-5.2		6199.8	TP	0	0	1863183	686.558
363	330		276° 45' 06"	+15.4°	12.9	87° 20'	+15.4	+2.5			TP	+124	-305	1863311	686.253
363	330				13.9	87° 10'	+16.3	+2.4		6207.4	TP	-	-		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.10.83		B. Cotcamp		D. Wrinkle		6834		B.C.		4		28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Egan Canyon - 7 1/2		NEVADA		White Pine								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
										6207.4					
	489		71° 16' 54"	+15.4°	8.5	92° 40'	+22.8	+31.3			BS	-28	-488		
	489				7.1	92° 50'	+24.2	+31.3		6238.7	BS	-1	-1		
364	163		69° 05'	+15.4°	7.2	92° 10'	-6.2	-13.4		6225.3		+16	+162	1,863,298	685,926
	0				5.2	-		-5.2		6233.5	TP	0	0	1,863,282	685,764
365	164		223° 45'	+15.4°	6.9	91° 30'	-4.3	-11.2		6227.5		-84	-141	1,863,198	685,623
366	480		207° 24'	"	12.1	88° 40'	+11.2	-0.9		6237.8		-352	-326	1,862,930	685,438
BM	573		210° 30' 46"	"	11.1	88° 20'	+16.7	+5.6		6244.3	BM	-399	-411	1,862,883	685,353
TP	640		207° 56' 06"	"	10.0	88° 40'	+14.9	+4.9		6243.6	TP	-465	-439	1,862,816	685,324
TP	640				8.1	88° 50'	+13.0	+4.9			TP	-1	-1		
	555		98° 53' 21"	+15.4°	14.9	91° -	+9.7	+24.6			BS	+228	-506		
	555				13.3	91° 10'	+11.3	+24.6		6268.2	BS	-1	-1		
367	401		101° 59'	+15.4°	11.7	91° 10'	-8.2	-19.9		6248.3		-184	+356	1,862,859	685,173
368	71		96° 29'	"	6.9	88° 50'	+1.4	-5.5		6262.7		-26	+66	1,863,017	684,883
	0				5.2	-		-5.2		6263.0	TP	0	0	1,863,043	684,817
TP	206		231° 28' 38"	+15.4°	11.2	85° 50'	+15.0	+3.8		6272.0	TP	-81	-189	1,862,961	684,627
TP	206				7.6	86° 50'	+11.4	+3.8			TP	-1	-1		
	305		337° 30' 53"	+15.4°	9.4	-		+9.4		6281.4	BS	-303	+38		
	305				8.6	90° 10'	+0.9	+9.5			BS	-1	-1		
369	303		337° 31'	+15.4°	9.3	-		-9.3		6272.1		+301	-37	1,862,958	684,627
	0				5.2	-		-5.2		6276.2	TP	0	0	1,862,657	684,664

y = 1,862,900 x = 685,365
Dept. of Interior Bmet 6244
178 MDC 195

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
6.10.83		B. Cotcamp		P. Wrinkle		6834		B.C.		4	29				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NEVADA		EGAN Canyon - 7 1/2'		NEVADA		White Pine					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
									6281.4						
370	28		188° 44'	+15.4	5.3	91°	-0.5	-5.8		6275.6		-26	-11	1.862.631	684.653
TP	179		177° 04 01	" "	5.2	91°	-3.1	-8.3		6273.1	TP	-175	-39	1.862.481	684.624
TP	179										TP	-	-		
	190		42° 33 47"	+15.4	6.9	-		+6.9		6280.0	BS	-101	-161		
	190				6.0	BM	+1.0	+7.0			BS	-	-		
371	0				5.2	-		-5.2		6274.8	X	0	0	1.862.379	684.462
TP	210		231° 18' 36"	+15.4	6.6	88°	+7.3	+0.7		6280.7	TP	-83	-193	1.862.295	684.268
TP	210				6.0	88° 10'	+6.7	+0.7			TP	-	-		
	727		87° 21 08"	+15.4	12.1	90° 40'	+8.5	+20.6			BS	+160	-709		
	727				10.0	90° 50'	+10.6	+20.6		6301.3	BS	-	-		
372	605		84° 58'	+15.4	9.8	91°	-10.6	-20.4		6280.9		-109	+595	1.862.345	684.153
373	304		68° 08'	" "	5.7	91°	-5.3	-11.0		6290.3		+34	+302	1.862.488	683.860
374	0				5.2	-		-5.2		6296.1	X	0	0	1.862.454	683.558
375	328		227° 01'	+15.4	7.2	89° 10'	+4.8	-2.4		6298.9		-152	-291	1.862.302	683.267
376	646		216° 10'	" "	5.8	88° 40'	+15.0	+9.2		6310.5		-402	-506	1.862.052	683.052
377	972		212° 35'	" "	12.6	88° 40'	+22.6	+10.0		6311.3		-651	-722	1.861.803	682.836
378	1293		209° 35 1	" "	8.1	89°	+22.6	+14.5		6315.8		-915	-914	1.861.539	682.644
TP	1458		209° 27 10	" "	6.9	88° 50'	+29.7	+22.8		6324.1	TP	-1033	-1028	1.861.420	682.529
TP	1458				11.2	88° 40'	+33.9	+22.7			TP	-	-		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	6.10.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW	LINE NO.	4	PAGE	30	
AREA	NEVADA	TOPO MAP	Egan Canyon - 7 1/2'	STATE	NEVADA	COUNTY	White Pine	TWP		RANGE		PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										6324.1				
	589		55° 28' 34"	+15.4	14.6	-		+14.6	6338.7		BS	-193	-556	
	589			+	11.7	BH	+3.0	+14.7			BS	-1	-1	
379	429		48° 11'	+15.4	8.9	90° 50'	+6.2	-15.1		6323.6		+191	+384	1.861,417 682,356 n-1.861,430 x-682,400
71	458		51° 37' 23"	~	5.9	91° 10'	-9.3	-15.2		6323.5	71	+179	+472	1.861,405 682,394 H-T-ROAD north
380	199		06° 50'	~	9.6	90° 50'	-2.9	-12.5		6326.2		+184	+75	1.861,410 682,047 n-1.861,405 x-681,970
77	168		345° 42' 41"	~	6.2	92° 10'	-6.3	-12.5		6326.2	77	+168	+3	1.861,394 682,975 H-T-Inter. n-1.861,297 x-681,995
Bm	75		02° 44' 48"	~	6.1	91° 30'	-2.0	-8.1		6330.6	Bm	+71	+23	1.861,297 681,995 Dept. of Interior 6334.0
π	0				5.2	-		-5.2		6333.5	π	0	0	1.861,226 681,972 179 m OC 1975 Horiz. 4-48, CORR. 4-11
381	329		295° 25'	+15.4	8.7	89° 30'	+2.9	-5.8		6332.9		+215	-249	1.861,441 681,723
382	574		267° 52'	~	7.8	89° -	+10.0	+2.2		6340.9		+132	-559	1.861,358 681,413
383	858		273° 46'	~	12.0	88° 16'	+26.0	+14.0		6352.7		+282	-810	1.861,508 681,162
TP	1037		276° 43' 42"	+15.4	12.4	87° 50'	+39.2	+26.8		6365.5	TP	+390	-960	1.861,615 681,014
TP	1037				14.2	87° 44'	+41.0	+26.8			TP	-1	+2	
	1730		125° 54' 43"	+15.4	11.3	91° 40'	+45.3	+56.6		6421.9	BS	+1350	-1081	
	1730			+	10.9	268° 30'	+45.3	+56.2			BS	-1	+2	
384	1599		126° 25'	+15.4	8.6	91° 50'	-51.2	-59.8		6362.1		-1257	+988	1.861,207 680,923
385	1296		136° 29'	~	10.1	92° -	-45.2	-55.3		6366.6		-1073	+727	1.861,891 680,662
386	983		135° 35'	~	10.4	92° -	-34.3	-44.7		6377.2		-860	+477	1.862,104 680,412
387	653		135° 55'	~	9.2	92° -	-22.8	-32.0		6389.9		-573	+313	1.862,391 680,248
388	330		128° 58'	~	7.9	92° -	-11.5	-19.4		6402.5		-268	+192	1.862,696 680,127

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.15.83		B. Cotcamp		D. Winkle		6834		Dw		4		31			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		EGAN Canyon - 1/2'		NEVADA		White Pine								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
									6421.9						
389	0				5.2	-		-5.2		6416.7	TP	0	0	1,862,964	679,935
389	178		309° 51' 59"	+15.4	4.2	89°	+3.1	-1.1		6420.8		+146	-101	1,863,110	679,834
389	237		303° 33' 50"	"	4.0	89°	+4.1	+0.1		6422.0		+179	-156	1,863,143	679,779
390	322		295° 45'	"	8.7	89°	+5.6	-3.1		6418.8		+212	-242	1,863,126	679,693
391	644		287° 44'	"	11.3	89°	+11.2	-0.1		6421.8		+352	-539	1,863,316	679,396
392	972		287° 30'	+15.4	9.2	89°	+17.0	+7.8		6429.7		+528	-816	1,863,492	679,119
393	1301		287° 05'	"	8.2	89°	+22.7	+14.5		6436.4		+699	-1097	1,863,663	678,838
394	1631		287° 45'	"	6.3	89°	+28.5	+22.2		6444.1		+892	-1366	1,863,856	678,569
395	1960		287° 37'	"	7.1	88° 50'	+39.9	+32.8		6454.7		+1068	-1643	1,864,032	678,292
396	2290		288° 02'	"	5.9	88° 50'	+46.6	+40.7		6462.6		+1262	-1911	1,864,226	678,024
397	2619		287° 38' 20"	"	9.5	88° 40'	+60.9	+51.4			TP	+1428	-2195	1,864,391	677,742
397	2619				14.2	88° 34'	+65.5	+51.3		6473.2	TP	-	+2		
	2637		107° 40' 42"	+15.4	8.6	91° 30'	+69.0	+77.6	6550.7		BS	+1439	-2209		
	2637				13.0	91° 24'	+64.4	+72.4	6553		BS	-	+2		
398	2310		107° 37'	+15.4	9.2	91° 30'	+60.5	-69.7		6481.0		-1259	+1937	1,864,520	677,472
399	1980		107° 29'	"	8.7	91° 30'	-51.8	-60.5		6490.2		-1075	+1663	1,864,754	677,198
400	1650		"	"	8.0	91° 30'	-43.2	-51.2		6499.5		-896	+1386	1,864,933	676,921
401	1320		107° 33'	"	7.3	91° 30'	-34.6	-41.9		6508.8		-718	+1108	1,865,111	676,643
402	990		107° 43'	"	7.8	91° 30'	-25.9	-33.7		6517.0		-541	+829	1,865,288	676,364
403	660		107° 57'	"	9.3	91° 30'	-17.3	-26.6		6524.1		-363	+551	1,865,466	676,086

$y = 1863100x - 679845$
 $y = 1863140x - 679735$
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SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.15.83		B. Cotcamp		D. Winkle		6834		DW		4		32			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Egan Canyon - 7 1/2'		NEVADA		White Pine								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
									6550.7						
404	330		109° 14'	+15.4	6.9	91° 30'	-8.6	-15.5		6535.2		-188	+272	1865.641	675.807
405	0				5.2	-		-5.2		6545.5	π	0	0	1865.829	675.535
406	330		288° 33'	+15.4	6.3	88° 10'	+10.6	+4.3		6555.0		+184	-274	1866.013	675.261
407	660		288° 43'	" "	8.7	88° 10'	+21.1	+12.4		6563.1		+370	-546	1866.199	674.989
408	985		289° 36'	" "	11.1	88° 10'	+31.5	+20.4		6571.1		+565	-807	1866.394	674.728
409	1310		287° 33'	" "	8.3	88° 20'	+38.1	+29.8		6580.5		+713	-1099	1866.542	674.436
410	1599		281° 28'	+15.4	8.3	88° 20'	+46.5	+38.2		6588.9		+723	-1426	1866.552	674.109
411	1916		278° 31'	" "	8.3	88° 20'	+55.7	+47.4		6598.1		+777	-1751	1866.606	673.784
-H	1927		278° 16' 29"	" "	7.9	88° 20'	+56.0	+48.1		6598.8	H	+773	-1764	1866.602	673.771
412	2245		278° 17'	" "	7.7	88° 20'	+65.3	+57.6		6608.3		+902	-2056	1866.731	673.479
413	2530		274° 54' 35"	" "	7.7	88° 20'	+73.6	+65.9		6616.6	TP	+878	-2372	1866.706	673.165
413	2530				13.5	88° 12'	+79.5	+66.0			TP	-			
	954		88° 54' 34"	+15.4	7.6	91° -	+16.7	+24.3			BS	+236	-924		
	954				4.9	91° 10'	+19.4	+24.3	6640.9		BS	-			
414	630		91° 05'	+15.4	10.4	91° 10'	-12.8	-23.2		6617.7		-179	+604	1866.762	672.847
415	319		77° 38'	" "	8.7	91° 10'	-6.5	-15.2		6625.7		-17	+319	1866.924	672.562
416	0				5.2	-		-5.2		6635.7	π	0	0	1866.941	672.243
417	325		260° 14'	" "	7.1	87° 30'	+14.2	+7.1		6648.0		+32	-323	1866.923	671.920
418	645		267° 11'	" "	9.2	87° 30'	+28.1	+18.9		6659.8		+141	-630	1867.082	671.613

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-16-83		B. Cotcamp		D. Winkle		6834		DW RD		4		33			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Exchequer Springs-72		NEVADA		White Pine								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
									6640.9						
419	971	970.	269° 40' 12"	+15.4	13.9	87° 14'	+46.9	+33.0		6673.9	TP	+252	-937	1,867,192	671,308
419	971				15.0	87° 10'	+48.0	+33.0			TP	-1	+2		
	329		83° 31' 27"	+15.4	7.3	91° 40'	+9.6	+16.9			BS	+52	-325		
	329				+6.3	91° 50'	+10.5	+16.8	6690.7		BS	-1	+2		
420	0				5.2	-		-5.2		6685.5	X	0	0	1,867,243	670,985
421	324		246° 37' 06"	+15.4	6.5	87° -	+16.9	+10.4		6701.1	TP	-45	-320	1,867,197	670,667
421	324				3.7	87° 30'	+14.1	+10.4			TP	-1	+2		Across str.
	296		77° 50' 10"	+15.4	10.4	92° -	+10.3	+20.7			BS	+17	-275		
	296				+9.5	92° 10'	+11.2	+20.7	6721.8		BS	-1	+2		
X	0				5.2	-		-5.2		6716.6	X	0	0	1,867,213	670,324
422	37		273° 54'	+15.4	4.5	88° 10'	+1.2	-3.3		6718.5		+12	-35	1,867,225	670,339
TP	174		273° 07' 29"	u	2.3	88° 20'	+5.1	+2.8		6724.6	TP	+55	-165	1,867,267	670,211
TP	174				2.8	88° 10'	+5.6	+2.8			TP	-1	+2		
	159		75° 59' 55"	+15.4	5.4	93° -	+8.3	+13.7			BS	+4	-159		
	159				+4.9	93° 10'	+8.8	+13.7	6738.3		BS	-1	+2		
X	0				5.2	-		-5.2		6733.1	X	0	0	1,867,270	670,054
423	34		280° 12'	+15.4	4.5	87° -	+1.8	-2.7		6735.6		+15	-31	1,867,285	670,023
TP	300		272° 07' 29"	u	4.3	87° -	+15.7	+11.4		6749.7	TP	+90	-286	1,867,359	669,770
TP	300				3.4	87° 10'	+14.8	+11.4			TP	-1	+2		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.16.83		B. Cotcamp		D. wrinkle		6834		Dw		4		34			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Exchequer Spring - 7 1/2'		NEVADA		White Pine								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
										6749.7					
	216		79° 02' 08"	+15.4	8.3	92°	+7.5	+15.8	6765.5		BS	+17	-215		
	216			+7.7	92° 10'	+8.2	+15.9				BS	-1	+2		
424	150		77° 26'	+15.4	3.9	93° 20'	-8.7	-12.6		6752.9		-7	+150	1867368	669207
TP	0				5.2	-		-5.2		6760.3	TP	0	0	1867325	669557
425	176		227° 35'	u u	9.6	85° 40'	+13.3	+3.7		6769.2		-80	-157	1867285	669400
TP	285		226° 05' 11"	u u	13.4	86° 20'	+18.2	+4.8		6770.3	TP	-136	-250	1867238	669309
TP	285				12.6	86° 30'	+17.4	+4.8			TP	-1	+2		
	223		74° 02' 34"	u u	8.2	91°	+3.9	+12.1			BS	-2	-223		
	223			+7.6	91° 10'	+4.5	+12.1		6782.4		BS	-1	+2		
426	0				5.2	-		-5.2		6777.2	TP	0	0	1867235	669088
TP	203		293° 19' 48"	+15.4	7.2	86° 20'	+13.0	+5.8		6788.2	TP	+127	-158	1867361	668932
TP	203				6.6	86° 30'	+12.4	+5.8			TP	-1	+2		
	121		69° 23' 57"	+15.4	6.2	92°	+4.2	+10.4			BS	-11	-120		
	121			+5.8	92° 10'	+4.6	+10.4		6798.6		BS	-1	+2		
427	0				5.2	-		-5.2		6793.4	TP	0	0	1867349	668814
TP	172		335° 45' 35"	+15.4	6.6	91° 20'	-4.0	-10.6		6788.0	TP	+170	-26	1867518	668790
TP	172				2.6	92° 30'	-7.5	-10.5			TP	-1	+2		
	210		134° 43' 27"	u u	1.7	89° 20'	-2.4	-0.7			BS	+182	-105		
	210			u u	2.3	89° 16'	-3.1	-0.8		6787.2	BS	-1	+2		
428	48		127° 26'	u u	4.0	90° 40'	-0.6	-4.6		6782.6		-38	+29	1867661	668716

y = 1867400x - 668810
ACROSS STRIP

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.16.83		B. Cotcamp		D. Wrinkle		6834		DW		4		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Exchange Spring - 7 1/2		NEVADA		White Pine								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
									6787.2						
X	0			+15.4	5.2	-		-5.2		6782.0	X	0	0	1867699	668687
429	281		291° 05' 07"	"	11.1	89° -	+4.9	-6.2		6781.0	TP	+167	-226	1867865	668463
429	281				10.3	89° 10'	+4.1	-6.2			TP	-1	+2		
	397		114° 08' 06"	+15.4	7.6	92° 30'	+17.3	+24.9			BS	+252	-306		
	397				7.6	267° 30'	+17.3	+24.9	6805.9		BS	-1	+2		
430	80		116° 59'	+15.4	5.7	96° -	-8.3	-14.0		6791.9		-54	+59	1868662	668218
X	0				5.2	-		-5.2		6800.7	X	0	0	1868116	668159
431	257		336° 15' 40"	"	7.5	84° -	+26.7	+19.2		6825.1	TP	+253	-37	1868368	668124
431	257				3.0	85° -	+22.3	+19.3			TP	-1	+2		
	361		137° 38' 30"	"	6.1	94° 10'	+26.2	+32.3			BS	+321	-163		
	361				3.6	94° 40'	+29.3	+32.3	6852.4		BS	-1	+2		
432	36		117° 19'	+15.4	4.6	94° 30'	-2.8	-7.4		6850.0		-24	+26	1868664	667989
X	0				5.2	-		-5.2		6852.2	X	0	0	1868688	667963
433	300		338° 20' 36"	+15.4	7.6	85° 20'	+24.3	+16.7		6874.1	TP	+297	-33	1868984	667932
433	300				6.7	85° 30'	+23.5	+16.8			TP	-1	+2		
	179		142° 55' 04"	+15.4	8.7	93° -	+9.4	+18.1			BS	+166	-66		
	179				8.2	93° 10'	+9.9	+18.1	6892.2		BS	-1	+2		
X	0				5.2	-		-5.2		6887.0	X	0	0	1869149	667868
434	151		351° 04'	+15.4	6.1	87° 30'	+6.6	+0.5		6892.7		+150	+17	1869299	667885

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.16.83		B. Cotcamp		D. Wraykle		6834		Dw		4		36			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Exchequer Spring - 7 1/2		NEVADA		White Pine								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
									6892.2						
TP	319		348 31 53	+15.4	7.0	86 50	+17.6	+10.6		6902.8	TP	+318	+22	1869466	667892
TP	319				7.9	86 40	+18.5	+10.6			TP	-	+2		
	166		152 38 24	+15.4	2.8	95 20	+15.4	+18.2			BS	+162	-34		
	166				2.3	95 30	+15.8	+18.1	6920.9		BS	-	+2		
435	0				5.2	-		-5.2		6915.7	TP	0	0	1869627	667860
TP	221		348 57 48	+15.4	12.9	82 40	+28.0	+15.1			TP	+219	+17	1869845	667879
TP	221				13.6	82 30	+28.6	+15.0		6935.9	TP	-	+2		
	377		168 45 24	+15.4	10.2	93 40	+24.1	+34.3			BS	+375	+27		
	377				11.3	93 30	+23.0	+34.3	6970.2		BS	-	+2		
436	266		167 08	+15.4	11.4	93 20	-15.4	-26.8		6943.4		-266	-12	1869953	667896
TP	0				5.2	-		-5.2		6965.0	TP	0	0	1870219	667908
437	63		348 38	+15.4	6.0	85 30	+4.9	-1.1		6969.1		+63	+4	1870282	667917
438	393		356 40	" "	8.6	84 20	+38.6	+30.0		7000.2		+384	+82	1870603	667990
TP	550		355 56 30	" "	6.7	84 40	+50.9	+44.2			TP	+537	+108	1870755	668018
TP	550				8.4	84 30	+52.5	+44.1		7014.3	TP	-	+2		
	230		181 31 38	+15.4	10.0	95 10	+20.6	+30.6	7044.9		BS	+219	+67		
	230				10.7	95 -	+20.0	+30.7			BS	-	+2		
439	68		153 40	+15.4	5.3	95 30	-6.5	-11.8		7033.1		-67	+13	1870906	668100
TP	0				5.2	-		-5.2		7039.7	TP	0	0	1870973	668087

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.16.83		B. Cotcamp		D. Wrinkle		6834		DW		4		37			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Exchequer Spring - 7 1/2		NEVADA		White Pine								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
									7044.9						
440	269		02° 29' 46"	+15.4°	7.0	83° 50'	+28.7	+21.7		7066.6	TP	+255	+82	1,871,227	668,171
440	269				6.2	84° -	+28.0	+21.8			TP	-1	+2		
	218		175° 33' 06"	" "	5.9	96° 50'	+25.8	+31.7			BS	+213	+41		
	218				+6.5	96° 40'	+25.1	+31.6	2098.2		BS	-1	+2		
π	0				5.2	-		-5.2		7093.0	π	0	0	1,871,439	668,214
441	117		25° 43'	+15.4°	4.4	84° -	+12.2	+7.8		7106.0		+88	+77	1,871,527	668,291
TP	200		21° 43' 24"	" "	3.9	84° -	+20.8	+16.9		7115.1	TP	+159	+120	1,871,597	668,336
TP	200				3.3	84° 10'	+20.2	+16.9			TP	-1	+2		
	136		182° 08' 06"	+15.4°	4.6	93° -	+7.1	+11.7			BS	+130	+41		
	136				+4.2	93° 10'	+7.5	+11.7	7126.8		BS	-1	+2		
π	0				5.2	-		-5.2		7121.6	π	0	0	1,871,726	668,329
442	107		348° 18'	+15.4°	5.1	86° 20'	+6.8	+1.7		7128.5		+107	+7	1,871,833	668,386
TP	257		355° 39' 25"	" "	8.0	84° 10'	+26.0	+18.0		7144.8	TP	+251	+49	1,871,976	668,430
TP	257				7.2	84° 20'	+25.3	+18.1			TP	-1	+2		
	178		169° 04' 57"	" "	7.3	94° -	+12.4	+19.7			BS	+177	+14		
	178				+6.7	94° 10'	+12.9	+19.6	7164.4		BS	-1	+2		
443	0				5.2	-		-5.2		7159.2	π	0	0	1,872,152	668,446
TP	226		324° 38' 34"	+15.4°	9.8	86° 30'	+13.8	+4.0			TP	+212	-77	1,872,364	668,371
TP	226				10.5	86° 20'	+14.4	+3.9		7168.3	TP		+2		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.16.83		B. Cotcamp		D. Wrinkle		6834		Dw		4		38			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Exchange Spring - T2		NEVADA		White Pine								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
										7168.3					
	144		139° 24' 57" +180	+15.4	9.5	-		+9.5	7177.8		BS	+130	-61		
	144				+8.3	90° 30'	+1.3	+9.6			BS		+1		
444	39		136° 55'	+15.4	5.9	91° -	-0.7	-6.6		7176.2		-35	+18	1,872,459	668,329
	X	0			5.2	-		-5.2		7172.6	X	0	0	1,872,494	668,311
445	291		339° 19'	+15.4	7.4	85° 50'	+21.1	+13.7		7191.5		+286	-53	1,872,780	668,258
TP	461		331° 44' 07"	"	13.4	84° 50'	+41.3	+27.9			TP	+448	-102	1,872,942	668,210
TP	461				14.3	84° 44'	+42.1	+27.8		7205.6	TP		+1		
	333		152° 18' 42" +180	+15.4	5.2	95° -	+28.9	+34.1			BS	+324	-71		
	333				+4.2	95° 10'	+29.9	+34.1	7239.7		BS		+1		
446	177		151° 42'	+15.4	7.4	94° 10'	-12.8	-20.2		7219.5		-173	+40	1,873,093	668,180
	X	0			5.2	-		-5.2		7234.5	X	0	0	1,873,266	668,140
TP	74		339° 00' 23"	+15.4	2.2	90° 10'	-0.2	-2.4		7237.3		+74	-7	1,873,340	668,132
447	152		334° 47' 30"	"	6.0	-		-6.0		7233.7	TP	+150	-26	1,873,416	668,115
447	152				6.7	TH	+0.8	-5.9			TP		+1		
	660		142° 10' 11" +180	"	7.5	88° 40'	-15.4	-7.9			BS	+610	-252		
	660				9.4	88° 30'	-17.3	-7.9	7225.8		BS		+1		
448	330		140° 39'	+15.4	9.4	-		-9.4		7216.4		-302	+134	1,873,724	667,998
449	0			"	5.2	-		-5.2		7220.6	X	0	0	1,874,026	667,864
450	329		314° 14' 02"	"	7.3	89° -	+5.7	-1.6		7224.2	TP	+284	-166	1,874,310	667,699
450	329										TP		+1		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6.20.83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY DW	LINE NO. 4	PAGE 39
AREA NEVADA.	TOPO MAP Exchange Springs - 7 1/2	STATE NEV.	COUNTY White Pine	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.	
										7224.2				
	330		124 10 00	+15.4°	14.7	88°	-11.5	+3.2	7227.4		BS	+251	-214	
	330			+14.9	87° 58'	-11.7	+3.2			BS			+1	
451	0				5.2	-		-5.2		7222.2	TP	0	0	1,874,561 667,486
452	329		309 44 55	+15.4°	11.5	90 40	-3.8	-15.3	7212.0		TP	+270	-188	1,874,831 667,299
452	329				10.6	90° 50'	-4.8	-15.4			TP			+1
	214		141 54 28 +180	+15.4°	5.7	91° 30'	+5.6	+11.3	7223.3		BS	+197	-83	
	214			+5.1	91° 40'	+6.2	+11.3			BS				
TP	0				5.2	-		-5.2		7218.1	TP	0	0	1,875,028 667,216
453	113		304 59	+15.4°	4.8	89° 20'	+1.3	-3.5		7219.8		+87	-72	1,875,115 667,144
TP	276		301 55 53	u u	11.9	89° 10'	+4.0	-7.9	7215.4		TP	+203	-187	1,875,831 667,029
TP	276				12.7	89°	+4.8	-7.9			TP			
	171		74 43 18 +180	+15.4°	13.0	82°	-23.6	-10.6	7204.8		BS	+0	-169	
	171			+13.4	81° 50'	-24.0	-10.6			BS				
454	27		10 06	+15.4°	5.4	93°	-1.4	-6.8		7198.0	TP	+24	+12	1,875,255 666,872
TP	0				5.2	-		-5.2		7199.6	TP	0	0	1,875,231 666,860
TP	269		333 43 19	+15.4°	7.4	92°	-9.4	-16.8	7198.0		TP	+264	-51	1,875,495 666,809
TP	269				6.6	92° 10'	-10.2	-16.8			TP			
	242		127 04 08 +180	+15.4°	4.4	-		+4.4	7192.4		BS	+192	-147	
	242			+5.6	TP	-1.2	+4.4			BS				
455	167		126 57	u u	5.2	-		-5.2		7187.2		-132	+102	1,875,587 666,764

y = 1,875,300 x - 666,800
L = T-Trail

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6-20-83		B. Cotcamp		D. Wrinkle		6834		D W		4		40				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		Eschequer Spring - 7 1/2		NEVADA		White Pine								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	X
									7192.4							
VI	40		120° 09' 16"	+15.4°	4.3	89° 50'	+0.1	-4.2		7188.2	VI	-29	+28	1,875,660	666,690	y-1875,660 x-666,690 y ROAD NORTH MARIC CORR. y-36 x-186
TP	0				5.2	-		-5.2		7187.2	TP	0	0	1,875,689	666,662	
456	162		303° 50'	+15.4°	6.4	93° 10'	-8.9	-15.3		7177.1		+123	-106	1,875,812	666,556	
457	490		304° 30'	u u	7.3	91° 10'	-10.0	-17.3		7175.1		+375	-316	1,876,064	666,346	
TP	771		305° 43' 22"	u u	8.0	89° 50'	+2.2	-5.8	}	7186.6	TP	+600	-484	1,876,287	666,178	
TP	771				10.2	89° 40'	+4.5	-5.7			TP	-2				
	300		161° 45' 02"	+15.4°	8.8	87° 20'	-13.9	-5.1	}	7181.4	BS	+299	-15			
	300			+	7.9	87° 30'	-13.1	-5.2			BS	-2				
458	248		161° 58'	+15.4°	5.0	87° 20'	+11.5	+6.5		7187.9		-248	+11	1,876,336	666,174	
TP	0				5.2	-		-5.2		7176.2	TP	0	0	1,876,584	666,163	
459	89		306° 37'	+15.4°	7.0	94° 20'	-6.7	-13.7		7167.7		+70	-55	1,876,654	666,108	
460	418		303° 53'	u u	6.7	95° 10'	-37.5	-44.2		7137.2		+317	-273	1,876,901	665,890	
TP	520		303° 35' 55"	u u	5.2	95° 10'	-46.6	-51.8	}	7129.5	TP	+391	-340	1,876,973	665,823	
TP	520				8.2	94° 50'	-43.7	-51.9			TP	-2				
	249		107° 36' 23" +180	+15.4°	5.9	84° 50'	-22.3	-16.4	}	7113.1	BS	+135	-208			
	249			+	6.6	84° 40'	-23.0	-16.4			BS	-2				
461	22		107° 36'	+15.4°	5.3	85° 20'	+1.8	-3.5		7109.6		-12	+18	1,877,094	665,633	
TP	0				5.2	-		-5.2		7107.9	TP	0	0	1,877,106	665,615	
TP	207		253° 14' 48"	u u	7.1	93° 40'	-13.2	-20.3	}	7092.8	TP	-5	-207	1,877,099	665,408	
TP	207				6.5	93° 50'	-13.8	-20.3			TP	-2				

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.20.83		B. Cotcamp		D. Wrinkle		6834		DW		4		41			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Exchequer Spring - 7 1/2		NEVADA		White Pine								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
										7092.8					
	219		79° 06' 41" +180	+15.4°	7.9	87° -	-11.4	-3.5			BS	+17	-218		
	219				+7.3	87° 10'	-10.8	-3.5	7089.3		BS				
462	124		88° 22'	+15.4°	6.4	88° -	+4.3	-2.1		7087.2		-36	+120	1,877,084 665,310	
	0				5.2	-		-5.2		7084.1	TP	0	0	1,877,114 665,190	
463	202		267° 41'	+15.4°	8.0	92° 40'	-9.4	-17.4		7071.9		+46	-197	1,877,160 664,993	
TP	443		268° 49' 52"	" "	11.8	91° 30'	-11.6	-23.4		7065.9	TP	+109	-429	1,877,221 664,761	
TP	443				13.1	91° 20'	-10.3	-23.4			TP				
	139		90° 09' 31"	+15.4°	4.4	86° -	-9.7	-5.3			BS	+37	-134		
	139				+4.0	86° 10'	-9.3	-5.3	7060.6		BS	-1			
464	54		85° 41'	" "	4.0	87° 10'	+2.7	-1.3		7059.3		-10	+53	1,877,247 664,680	
	0				5.2	-		-5.2		7055.4	TP	0	0	1,877,257 664,627	
465	273		255° 16'	" "	6.5	93° -	-14.3	-20.8		7039.8		+13	-273	1,877,260 664,354	
TP	412		255° 06' 28"	" "	11.1	92° 20'	-16.8	-27.9		7032.7	TP	+4	-412	1,877,260 664,215	
TP	412				7.5	92° 50'	-20.3	-27.8			TP	-1			
	179		76° 41' 32" +180	+15.4°	8.1	86° 30'	-10.9	-2.8			BS	+7	-179		
	179				+9.1	86° 10'	-11.9	-2.8	7029.9		BS	-1			
466	18		202° 52'	+15.4°	5.8	83° 20'	+2.1	-3.7		7026.2		-14	-11	1,877,252 664,025	
	0				5.2	-		-5.2		7024.7	TP	0	0	1,877,266 664,036	
467	333		272° 20' 59"	+15.4°	5.7	90° 30'	-2.9	-8.6		7021.3	TP	+102	-317	1,877,367 663,719	
467	333				6.7	90° 20'	-1.9	-8.6			TP	-1			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 6.20.83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY D.W.	LINE NO. 4	PAGE 42
AREA NEVADA	TOPO MAP Ninemile Well-7 1/2	STATE NEV.	COUNTY White Pine	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	
										7021.3						
	140		98° 50' 22"	+15.4	1.7	-		+1.7			BS	+57	-128			↑
	140				2.4	74	-0.7	+1.7	7023.0		BS	-				Exchange Spring-7 1/2
X	0				5.2	-		-5.2		7017.8	X	0	0	1877.423	663.591	Ninemile Well-7 1/2
468	188		251° 43'	+15.4	6.2	92° 20'	-7.6	-13.8		7009.2		-9	-108	1877.414	663.483	↓
469	515		256° 29'	"	5.4	92° 20'	-21.0	-26.4		6996.6		-37	-314	1877.386	663.077	
TP	660		252° 33' 54"	"	6.1	89° 50'	+1.9	-4.2		7018.8	TP	-23	-660	1877.399	662.931	
TP	660				8.0	89° 40'	+3.8	-4.2			TP	-				
	160		88° 58' 27" +180	"	9.9	89° -	-2.8	+2.1	7025.9		BS	+40	-155			
	160				9.5	89° 10'	-2.3	+2.2			BS	-				
470	11		49° 32'	"	5.2	-		-5.2		7020.7		+5	+10	1877.443	662.786	
X	0				5.2	-		-5.2		7020.7	X	0	0	1877.438	662.726	
TP	208		222° 06' 43"	+15.4	4.6	87° -	+10.9	+6.3		7032.2	TP	-112	-175	1877.325	662.601	
TP	208				4.0	87° 10'	+10.3	+6.3			TP	-				
	274		18° 27' 17" +180	"	1.4	94° -	+19.1	+20.5			BS	-227	-152			
	274				2.2	93° 58'	+18.3	+20.5	7052.7		BS	-				
471	167		16° 19'	"	8.3	92° -	-5.8	-14.1		7038.6		+142	+88	1877.239	662.537	
X	0				5.2	-		-5.2		7047.5	X	0	0	1877.097	662.449	
Y	21		236° 18' 54"	+15.4	5.4	-		-5.4		7047.3		-7	-20	1877.090	662.429	
TP 472	170		234° 41' 53"	"	8.2	89° -	+3.0	-5.2		7047.5	TP	-58	-160	1877.038	662.289	
TP 472	170										TP	-				

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.20.83		B. Cotcamp		D. Wrinkle		6834		Dew		4		43			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ninemile Well - 7 1/2		NEVADA		White Pine								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
										7047.5					
	199		70° 50' 58"	+15.4	10.4	-		+10.4			BS	-13	-199		
	199				9.8	90° 10'	+0.6	+10.4	7057.9		BS	-	-		
X	0				5.2	-		-5.2	7052.7		X	0	0	1877,024 662,090	
TP	97		238° 58' 35"	+15.4	3.7	90° 40'	+1.1	-4.8	7053.1		TP	-26	-93	1,876,997 661,997	
TP	97				5.4	89° 40'	+0.6	-4.8			TP	-	-		
	110		50° 17' 30" +180	+15.4	4.3	-		+4.3			BS	-45	-100		
	110				4.0	90° 10'	+0.3	+4.3	7057.4		BS	-	-		
473	79		49° 33'	+15.4	4.6	-		-4.6	7052.8			+33	+72	1,876,984 661,969	
X	0				5.2	-		-5.2	7052.2		X	0	0	1,876,951 661,897	
TP	202		202° 55' 01"	u-u	4.9	88° -	+2.0	+2.1	7059.5		TP	-158	-125	1,876,792 661,722	
TP	202				4.3	88° 10'	+6.5	+2.2			TP	-	-		
	96		57° 13' 54" +180	u-u	13.0	TH	-0.5	+12.5			BS	-29	-92		
	96				12.8	89° 50'	+0.3	+12.5	7072.0		BS	-	-		
474	51		67° 45'	u-u	5.0	92° 20'	-2.1	-7.1	7064.9			+6	+51	1,876,768 661,731	
X	0				5.2	-		-5.2	7066.8		X	0	0	1,876,762 661,680	
TP	200		281° 33' 23"	+15.4	7.4	91° 30'	-5.2	-12.6	7059.4		TP	+91	-178	1,876,852 661,502	
TP	200				6.8	91° 40'	-5.8	-12.6			TP	-	-		
	193		117° 25' 35"	u-u	5.5	83° 20'	-22.2	-16.8	7042.6		BS	+130	-141		
	193				5.0	83° 30'	-21.7	-16.7			BS	-	-		
475	113		116° 26'	u-u	3.6	84° -	+11.7	+8.1	7050.7			-75	+84	1,876,906 661,445	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.20.83		B. Cotcamp		D. Wrinkle		6834		DW		4		44			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ninemile Well - 7 1/2		NEV.		White Pine								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
									7042.6						
X	0			+15.4	5.2	-		-5.2		7037.4	X	0	0	1,876,981	661,361
476	215		263° 33'	'	9.7	95° 30'	-20.5	-30.2		7012.4		+33	-212	1,877,014	661,233
477	540		263° 15' 18"	'	11.0	91° 10'	-11.0	-22.0			TP	+81	-534	1,877,061	660,827
477	540			'	9.5	91° 20'	-12.6	-22.1		7020.5	TP	-			
	160		75° 53' 29"	'	+11.6	-		+11.6	7032.1		BS	+4	-160		
	160			'	+11.1	90° 10'	+0.5	+11.6			BS	-	+		
X	0			'	5.2	-		-5.2		7026.9	X	0	0	1,877,064	660,668
478	168		283° 41'	'	5.9	93° 50'	-11.2	-17.1		7015.0		+82	-147	1,877,146	660,621
TP	209		282° 52' 53"	'	9.2	93° 50'	-13.9	-23.1		7009.0	TP	+99	-184	1,877,162	660,485
TP	209			'	8.6	94° -	-14.5	-23.1			TP	-	+		
	336		86° 42' 06" +180	'	+6.7	94° -	+23.4	+30.1			BS	+36	-333		
	336			'	+5.8	94° 10'	+24.3	+30.1	7039.1		BS	-	+		
479	62		71° 48'	'	8.3	94° -	-4.3	-12.6		7026.5		+3	+62	1,877,200	
X	0			'	5.2	-		-5.2		7033.9	X	0	0	1,877,197	660,153
TP	192		249° 02' 01"	'	7.3	87° 30'	+8.4	+1.1			TP	-19	-191	1,877,177	659,963
TP	192			'	6.8	87° 40'	+7.8	+1.0		7040.1	TP	-	+		
	338		72° 01' 20"	'	+7.1	85° 10'	-28.4	-21.3			BS	-15	-336		
	338			'	+8.0	85° -	-29.3	-21.3	7018.8		BS	-	+		
480	260		69° 52'	'	5.2	86° 20'	+16.6	+11.4		7030.2		+21	+259	1,877,182	659,887
X	0			+15.4	5.2	-		-5.2		7013.6	X	0	0	1,877,161	659,628

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE	6-20-83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	JD	LINE NO.	4	PAGE	45
AREA	NEVADA	TOPO MAP	Nine Mile Well-7 1/2	STATE	NEV.	COUNTY	White Pine	TWP		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	
									7018.8							
481	64		253° 28'	+15.4	2.3	89° 20'	+0.7	-1.6		7017.2		-1	-64	1877.160	659.564	
TP	148		252° 48' 11"	"	4.8	89° 20'	+1.7	-3.1		7015.7	TP	-5	-148	1877.155	659.481	
TP	148			"	4.4	89° 30'	+1.3	-3.1			TP	-1	"			
	604		70° 52' 24"	" +	4.7	-		+4.7			BS	-39	-603			
	604			" +	6.4	89° 50'	-1.8	+4.6	7020.3		BS	-1	"			
482	374		78° 40'	"	9.2	90° 40'	-4.3	-13.5		7006.8		-27	+373	1877.088	659.252	
483	47		76° 23'	"	7.1	97° 10'	-5.8	-12.9		7007.4		-1	+47	1877.114	658.926	
X	0			+15.4	5.2	-		-5.2		7015.1	X	0	0	1877.115	658.879	
TP	198		261° 45' 50"	"	7.1	84° -	+20.6	+13.5		7033.8	TP	+25	-195	1877.139	658.685	
TP	198			"	6.5	84° 10'	+20.0	+13.5			TP	-1	"			
	166		71° 42' 22"	" +	10.3	90° 30'	+1.4	+11.7			BS	-8	-166			
	166			" +	10.0	90° 34'	+1.6	+11.6	7045.4		BS	-1	"			
484	81		71° 59'	"	6.6	-		-6.6		7038.8		+4	+81	1877.134	658.601	
X	0			+15.4	5.2	-		-5.2		7040.2	X	0	0	1877.130	658.520	
TP	164		237° 58' 16"	"	5.4	91° 30'	-4.3	-9.7		7035.7	TP	-47	-157	1877.082	658.364	
TP	164			"	4.9	91° 40'	-4.8	-9.7			TP	-1	"			
	279		42° 55' 36"	" +	5.8	86° 20'	-17.8	-12.0			BS	-146	-237			
	279			" +	5.0	86° 30'	-17.0	-12.0	7023.7		BS	-1	"			
485	200		42° 03'	"	4.2	87° -	+10.5	+6.3		7030.0		+108	+169	1877.043	658.297	
X	0			+15.4	5.2	-		-5.2		7018.5	X	0	0	1876.935	658.128	

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.20.83		B. Cotcamp		D. Wrinkle		6834		DW		4		46			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ninemile Well - 7 1/2'		NEVADA		White Pine								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
									7023.7						
486	131		238° 08'	+15.4	4.9	87°	+6.8	+1.9		7025.6		-37	-126	1876.898	658.002
TP	272		237° 20' 14"	"	9.6	87°	+14.2	+4.6		7028.3	TP	-81	-259	1876.853	657.870
TP	272			"	8.8	87° 10'	+13.4	+4.6			TP	-	-		
	702		97° 18' 35"	" +	10.6	89°	-12.2	-1.6			BS	+271	-647		
	702			" +	8.6	89° 10'	-10.2	-1.6	7026.7		BS	-	-		
487	610		111° 27'	"	8.6	89° 20'	+7.1	-1.5		7025.2		-366	+488	1876.757	657.712
488	327		131° 15'	"	17.6	89° 10'	+4.8	-12.8		7013.9		-273	+180	1876.850	657.404
#	310		131° 27' 08"	"	15.0	89° 12'	+4.3	-10.7		7016.0	#	-260	+169	1876.863	657.393
489	0			+15.4	5.2	-		-5.2		7021.5	X	0	0	1877.123	657.224
490	329		278° 21'	"	10.8	87°	+17.2	+6.4		7033.1		+133	-301	1877.256	656.923
TP	552		278° 46' 15"	"	9.2	87° 20'	+25.7	+16.5			TP	+226	-50.3	1877.348	656.722
TP	552			"	10.9	87° 10'	+27.3	+16.4		7043.1	TP	-	-		
	228		106° 19' 25" +180	" +	9.0	85° 50'	-16.5	-7.5			BS	+120	-193		
	228			" +	12.9	84° 50'	-20.4	-7.5	7035.6		BS	-	-		
491	121		101° 18'	"	4.9	84° 30'	+11.5	+6.6		7042.2		-54	+108	1877.413	656.638
X	0			+15.4	5.2	-		-5.2		7030.4	X	0	0	1877.467	656.530
492	207		289° 28' 22"	"	13.5	95° 10'	-18.6	-32.1		7003.5	TP	+118	-169	1877.584	656.362
492	207			"	12.9	95° 20'	-19.2	-32.1			TP	-	-		
	398		96° 47' 42" +180	" +	5.1	83° 40'	-43.6	-38.5			BS	+149	-366		
	398			" +	4.0	83° 50'	-42.5	-38.5	6965.0		BS	-	-		

4 way intersection
 717.1576862
 657.400

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.20.83		B. Cotcamp		D. Wrinkle		6834		Dw		4		47			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ninemile Well-7 1/2		NEVADA		White Pine								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
									6965.0						
493	68		96° 46'	+15.4	4.4	86°	+4.7	+0.3		6965.3		-26	+63	1,877.707	656,060
π	0			"	5.2	-		-5.2		6959.8	π	0	0	1,877.733	655,997
494	261		273° -	+15.4	5.1	95° 50'	-26.4	-31.5		6933.5		+82	-248	1,877.815	655,749
TP	301		272° 54' 10"	"	5.2	95° 50'	-30.4	-35.6		6929.4	TP	+94	-284	1,877.826	655,714
TP	301			"	4.3	96° -	-31.3	-35.6			TP	"	"		
	365		54° 35' 11" +180	"	10.5	83° 20'	-42.1	-31.6			BS	-124	-341		
	365			"	9.4	83° 30'	-41.1	-31.7	6892.7		BS	"	"		
495	83		66° 29'	"	4.9	85° -	+7.2	+2.3		6900.0		+20	+80	1,877.721	655,454
π	0			+15.4	5.2	-		-5.2		6892.5	π	0	0	1,877.701	655,374
496	247		244° 11' 12"	"	6.4	96° -	-25.7	-32.1		6865.6	TP	-44	-242	1,877.656	655,133
496	247			"	5.7	96° 10'	-26.4	-32.1			TP	"	"		
	378		73° 04' 27" +180	"	3.1	84° 20'	-37.1	-34.0			BS	-10	-326		
	378			"	2.0	84° 30'	-36.1	-34.1	6831.5		BS	"	"		
497	48		73° 04'	"	4.9	84° 20'	+4.7	-0.2		6831.3		+1	+48	1,877,616	654,806
π	0			+15.4	5.2	-		-5.2		6826.3	π	0	0	1,877.645	654,258
498	286		243° 43'	"	4.2	95° 40'	-28.1	-32.3		6799.2		-54	-281	1,877.591	654,427
TP	313		243° 39' 36"	"	12.6	94° -	-21.8	-34.4		6797.1	TP	-59	-307	1,877.585	654,452
TP	313			"	11.7	94° 10'	-22.7	-34.4			TP	"	"		
	372		69° 06' 57" +180	"	14.4	83° 30'	-41.8	-27.4			BS	-35	-368		
	372			"	14.8	83° 26'	-42.3	-27.5	6769.6		BS	-1	"		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-21-83		B. Cotamp		D. Wrinkle		6834		Dw		4		48			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Nirewell 1-7 1/2'		NEVADA		White Pine								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
									6769.6						
499	71		65° 17'	+15.4	4.6	86° 20'	+4.5	-0.1		6769.5		+11	+70	1,877,560	654,155
TP	0			+15.4	5.4	-		-5.4		6764.2	TP	0	0	1,877,549	654,085
500	260		249° 44'	"	3.7	94° 10'	-18.8	-22.5		6747.1		-22	-259	1,877,527	653,826
TP	328		248° 32' 01"	"	11.0	93° -	-12.1	-28.1			TP	-35	-326	1,877,513	653,760
TP	328			"	12.0	92° 50'	-16.2	-28.2		6741.4	TP	-1	+		
	225		70° 59' 16" +180°	" +	12.0	84° 40'	-20.8	-8.8			BS	-14	-224		
	225			" +	11.3	84° 50'	-20.2	-8.9	6732.5		BS	-1	+		
TP	0			+15.4	5.2	-		-5.2		6727.3	TP	0	0	1,877,498	653,537
501	39		276° 34'	"	5.0	94° -	-2.7	-7.7		6724.8		+15	-36	1,877,513	653,501
502	368		269° 09' 08"	"	5.6	93° 30'	-22.4	-28.0			TP	+92	-356	1,877,589	653,182
502	368			"	6.7	93° 20'	-21.4	-28.1		6704.4	TP	-1	+		
	330		79° 13' 23" +180°	" +	8.7	86° -	-23.0	-14.3	6690.1		BS	+27	-328		
	330			" +	3.0	87° -	-17.2	-14.2			BS		+		
503	0			+15.4	5.2	-		-5.2		6684.9	TP	0	0	1,877,615	652,855
504	330		281° 58' 11"	"	11.8	92° 10'	-12.5	-24.3		6665.8	TP	+152	-293	1,877,766	652,563
504	330			"	10.8	92° 20'	-13.4	-24.2			TP	-1	+		
	988		104° 34' 08"	" +	5.9	86° -	-68.9	-63.0			BS	+492	-854		
	988			" +	5.9	274° -	-68.9	-63.0	6602.8		BS	-1	+		
TP	804		106° 30' 53"	"	9.8	85° 50'	+58.3	+48.5		6651.3		-424	+681	1,877,833	652,391

Y intercept
1877500
X 652-375

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKER BY		LINE NO.		PAGE			
6.20.83		B. Cotcamp		D. Wrinkle		6834		D.C.		4		49			
AREA		TOWNSHIP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ninemile Well - 7 1/2		NEVADA		White Pine								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
									6602.8						
505	660		106° 22'	+15.4	6.9	86° -	+45.9	+39.0		6641.8		-347	+561	1,877,910	652,271
506	330		106° 05'	"	5.7	86° -	+23.0	+17.3		6620.1		-172	+281	1,878,085	651,991
507	0			+15.4	5.2	-		-5.2		6597.6	TP	0	0	1,878,257	651,710
508	330		289° 53'	"	6.4	93° 40'	-21.1	-27.5		6575.3		+191	-269	1,878,448	651,441
509	658		287° 09'	"	7.7	93° 20'	-38.2	-45.9		6556.9		+354	-555	1,878,611	651,155
510	988		286° 19'	"	7.5	93° 10'	-54.5	-62.0		6540.8		+519	-840	1,878,776	650,870
511	1318		285° 53'	"	9.3	93° -	-68.9	-78.2		6524.6		+684	-1126	1,878,941	650,584
512	1646		284° 56' 13"	"	9.5	93° -	-86.1	-95.6		6507.2	TP	+830	-1419	1,879,086	650,292
512	1646			"	9.4	267° -	-86.1	-95.5			TP	-1	"		
	2470		103° 45' 09"	" +	11.2	88° -	-86.2	-75.0	6432.0		BS	+1202	-2156		
	2470			" +	10.9	272° -	-86.2	-75.3	65.23		BS	-1	"		
513	2142		104° 21'	"	7.6	88° 20'	+62.3	+54.7		6486.7		-1063	+1860	1,879,224	649,997
514	1814		105° 06'	"	12.6	88° 20'	+52.7	+40.1		6472.1		-921	+1563	1,879,366	649,700
515	1485		105° 35'	"	8.6	88° 40'	+34.5	+25.9		6457.9		-764	+1273	1,879,523	649,410
516	1157		105° 46'	"	11.3	88° 50'	+23.6	+12.3		6444.3		-599	+990	1,879,688	649,127
517	828		106° 42'	"	9.9	89° 10'	+12.0	+2.1		6434.1		-440	+701	1,879,847	648,838
518	499		108° 30'	"	6.8	89° 10'	+7.3	+0.5		6432.5		-278	+414	1,880,009	648,551
519	169		112° 19'	"	8.8	89° 10'	+2.5	-6.3		6425.7		-103	+134	1,880,184	648,271
TP	0			+15.4	5.2	-		-5.2		6426.8	TP	0	0	1,880,287	648,137
520	160		286° 14'	"	6.8	94° 30'	-12.5	-19.3		6412.7		+84	-136	1,880,371	648,001

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6.21.83		B. Cotcamp		D. Wrinkle		6834		Dw		4		50				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		Ninemile Well-7 1/2'		NEVADA		White Pine						+4		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
521	489		284° 46'	+15.4	7.7	94° -	-34.0	-41.7	6432.0	6390.3		+246	-423	1,880,533	647,714	
522	817		285° 31'	"	6.9	93° 30'	-49.8	-56.7		6375.3		+421	-700	1,880,708	647,437	
523	1146		286° 35'	"	8.9	93° -	-59.9	-68.8		6363.2		+607	-972	1,880,894	647,165	
524	1473		285° 01'	"	7.7	93° -	-77.0	-84.7		6347.3		+746	-1270	1,881,033	646,867	
525	1798		286° 09'	"	11.5	92° 40'	-83.6	-95.1		6336.9		+941	-1532	1,881,228	646,605	
526	2128		" "	"	10.1	92° 30'	-92.7	-102.8		6329.2		+1113	-1813	1,881,400	646,324	
527	2458		286° 22'	"	11.1	92° 20'	-100.0	-111.1		6320.9		+1294	-2090	1,881,581	646,047	away inter if 158,1600 x 646,000
#	2512		286° 11' 29"	"	10.3	92° 20'	-102.3	-112.6		6319.6	TP	+1315	-2138	1,881,601	646,000	Horiz y - 64 CORR. x - + 32
#	2512			"	10.0	267° 40'	-102.3	-112.3	-112.4		TP					
	2578		105° 02' 18"	+15.5	5.4	88° 40'	-60.0	-54.6			BS	+1310	-2220			
	2578			"	12.8	88° 30'	-67.5	-54.7	6264.9		BS	-2	-1			
528	2304		104° 48'	"	10.9	88° 34'	+57.6	+46.7		6311.6		-1162	+1989	1,881,747	645,768	
529	1974		105° 22'	"	10.0	88° 34'	+49.4	+39.4		6304.3		-1013	+1694	1,881,896	645,473	
530	1644		105° 28'	"	11.7	88° 30'	+43.0	+31.3		6296.2		-846	+1410	1,882,063	645,189	
531	1315		104° 47'	"	10.3	88° 30'	+34.4	+24.1		6289.0		-663	+1136	1,882,246	644,915	
532	987		103° 49'	"	10.8	88° 30'	+25.8	+15.0		6279.9		-483	+861	1,882,426	644,640	
533	659		103° 41'	"	10.6	88° 30'	+17.2	+6.6		6271.5		-321	+575	1,882,588	644,354	
534	330		102° 45'	"	9.1	88° 30'	+8.6	-0.5		6264.4		-156	+291	1,882,753	644,070	
535	0			+15.5	5.2	-		-5.2		6259.7	X	0	0	1,882,909	643,779	
536	330		282° 33'	"	9.7	-		-9.7		6255.2		+155	-291	1,883,064	643,488	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.21.83		B. Cotcamp		D. Winkle		6834		DW		4		51			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ninemilewell -7 1/2'		NEVADA		White Pine								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
									6264.9						
537	660		284° 26'	+15.5	9.0	B4	-3.3	-12.3		6252.6		+329	-572	1,883,238	643,207
538	989		285° 17'	"	11.7	90° 10'	-2.9	-14.6		6250.3		+506	-850	1,883,415	642,929
539	1319		284° 32'	"	9.0	90° 20'	-7.7	-16.7		6248.2		+660	-1142	1,883,569	642,637
540	1649		284° 51'	"	8.3	90° 20'	-9.6	-17.9		6247.0		+833	-1423	1,883,742	642,356
541	1979		284° 39'	"	7.4	90° 20'	-11.5	-18.9		6246.0		+994	-1711	1,883,903	642,068
542	2309		284° 52'	"	6.1	90° 20'	-13.4	-19.5		6245.4		+1167	-1992	1,884,076	641,787
543	2639		284° 46 07	"	11.9	90° 10'	-7.7	-19.5		6245.3	TP	+1330	-2279	1,884,238	641,499
543	2639			"	11.8	269° 50'	-7.7	-19.5			TP				
	2637		103° 54 24 +180	" +	9.8	89° 50'	-7.7	+2.1			BS	+1295	-2297		
	2637			" +	12.8	89° 46'	-10.7	+2.1	6247.4		BS				
544	2307		103° 40'	"	9.9	89° 50'	+6.7	-3.2		6244.2		-1124	+2014	1,884,408	641,215
545	1978		103° 19'	"	9.3	89° 50'	+5.8	-3.5		6243.9		-953	+1733	1,884,579	640,984
546	1649		102° 40'	"	8.7	89° 50'	+4.8	-3.9		6243.5		-778	+1454	1,884,754	640,655
547	1320		103° 09'	"	8.1	89° 50'	+3.8	-4.3		6243.1		-633	+1158	1,884,899	640,359
548	990		" "	"	7.3	89° 50'	+2.9	-4.4		6243.0		-475	+869	1,885,057	640,070
549	660		" "	"	6.4	89° 50'	+1.9	-4.5		6242.9		-316	+579	1,885,216	639,780
550	330		" "	"	5.8	89° 50'	+1.0	-4.8		6242.6		-158	+290	1,885,374	639,491
551	0			+15.5	5.2	-		-5.2		6242.2	TP	0	0	1,885,532	639,201
552	330		283° 09'	"	5.8	89° 50'	+1.0	-4.8		6242.6		+158	-290	1,885,690	638,911
553	660		282° 54'	"	6.3	89° 50'	+1.9	-4.4		6243.0		+314	-581	1,885,846	638,620

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6-21-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY DW	LINE NO. 4	PAGE 52
AREA NEVADA	TOPQ MAP Nine mile Well-7 1/2	STATE NEV.	COUNTY White Pine	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.	
									6247.4					
554	990		283° 53'	+15.5	7.9	89° 50'	+2.9	-5.0		6242.4		+486	-863	1886,018 638,338
555	1319		283° 41'	"	9.1	89° 50'	+3.8	-5.3		6242.1		+643	-1152	1886,175 638,049
556	1649		283° 36'	"	11.5	89° 50'	+4.8	-6.7		6240.7		+802	-1441	1886,334 637,760
557	1979		283° 22'	"	8.8	89° 56'	+2.3	-6.5		6240.9		+955	-1733	1886,487 637,468
558	2309		283° 31'	"	8.7	89° 56'	+2.7	-6.0		6241.4		+1120	-2019	1886,652 637,182
559	2638		283° 53 36"	"	8.9	89° 56'	+3.1	-5.8		6241.6	TP	+1295	-2298	1886,826 636,902
559	2638			"	13.5	89° 50'	+7.7	-5.8			TP			
	1649		105° 28 29"	" +	14.3	-		+14.3			BS	+849	-1414	
	1649			" +	6.1	04	+8.2	+14.3	6255.9		BS			
560	1320		105° 06'	"	11.7	90° 10'	-3.8	-15.5		6240.4		-672	+1136	1887,002 636,623
561	990		105° 01'	"	12.6	90° 10'	-2.9	-15.5		6240.4		-503	+853	1887,171 636,340
562	660		104° 48'	"	8.6	90° 40'	-7.7	-16.3		6239.6		-333	+570	1887,341 636,057
563	330		102° 40'	"	10.8	90° 40'	-3.8	-14.6		6241.3		-156	+291	1887,518 635,728
564	0			+15.5°	5.2	-		-5.2		6250.7	X	0	0	1887,674 635,487
565	330		284° 30'	"	7.8	96° 40'	-3.8	-11.6		6244.3		+165	-286	1887,839 635,201
566	660		284° 54'	"	11.5	-		-11.5		6244.4		+334	-569	1888,008 634,918
567	990		285° 20'	"	11.4	-		-11.4		6244.5		+507	-850	1888,181 634,637
568	1320		285° 26'	"	11.1	-		-11.1		6244.8		+679	-1132	1888,353 634,355
569	1650		285° 29'	"	10.8	-		-10.8		6245.1		+849	-1415	1888,523 634,072

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-21-83		B. Cotamp		D. Wriankle		6834		D W		4		53			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ninemile Well-7 1/2		NEV.		White Pine								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
									6255.9						
570	1980		285° 43' 18"	+15.5°	10.4	-		-10.4		6245.5	TP	+102.6	-169.3	1888.699	633.793
570	1980			"	13.8	89° 54'	+3.5	-10.3			TP	-1	-1		
	2637		107° 53' 10"	" +	10.4	-		+10.4	6255.9		BS	+145.1	-220.2		
	2637			" +	13.6	89° 56'	-3.1	+10.5			BS	-1			
571	2307		107° 40'	"	10.3	-		-10.3		6245.6		-126.2	+193.1	1888.887	633.522
572	1977		107° 53'	"	10.0	-		-10.0		6245.9		-108.8	+165.1	1889.061	633.242
573	1647		108° 07'	"	9.1	-		-9.1		6246.8		-91.2	+137.2	1889.237	633.963
574	1318		108° 47'	"	8.9	-		-8.9		6247.0		-74.2	+108.9	1889.407	632.680
575	989		107° 48'	"	8.1	-		-8.1		6247.8		-54.3	+82.7	1889.606	632.418
576	660		107° 44'	"	7.8	-		-7.8		6248.1		-36.2	+55.2	1889.787	632.143
577	330		107° 33'	"	6.8	-		-6.8		6249.1		-18.0	+27.7	1889.969	631.868
578	0			+15.5°	5.2	-		-5.2		6250.7	TP	0	0	1890.149	631.591
579	330		281° 09'	"	8.1	89° 10'	+4.8	-3.3		6252.6		+14.8	-29.5	1890.297	631.296
580	659		283° 31'	"	10.1	89° 10'	+9.6	-0.5		6255.4		+3.21	-57.6	1890.470	631.075
581	989		284° 07'	"	8.0	89° 20'	+11.5	+3.5		6259.4		+48.9	-86.0	1890.638	630.737
582	1318		285° 07'	"	5.9	89° 20'	+15.3	+9.4		6265.3		+6.71	-113.4	1890.820	630.457
#	1401		285° 35' 23"	"	7.2	89° 10'	+20.4	+13.2		6269.1	#	-17.23	-120.0	1890.872	630.391
Bm	1421		284° 04' 02"	"	6.9	89° 10'	+20.7	+13.8		6269.7	Bm	+70.1	-123.6	1890.850	630.355
583	1644		284° 55'	"	6.0	89° 10'	+23.9	+17.9		6273.8		+83.2	-141.8	1890.981	630.173

y-1890.850x-630.355
 Bm U.S.G.S ELEV. 6269.0
 242 M.D.C. 1975
 4000' y-8'
 CORN. X-6'

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.21.83		B. Cotcamp		D. Wrinkle		6834		[Signature]		4		54			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ninemilewell-7 1/2		NEV.		White Pine								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
									6255.9						
584	1970		283° 17'	+15.5°	10.8	88° 50'	+40.1	+29.3		6285.2		+949	-1727	1891,098	629,864
585	2299		282° 45'	" "	10.9	88° 50'	+46.8	+35.9		6291.8		+1088	-2025	1891,237	629,566
586	2627		282° 09' 11"	" "	8.3	88° 50'	+53.5	+45.2		6301.1	TP	+1219	-2326	1891,368	629,266 E.O.M.
586	2627				8.2	211° 10'	+53.5	+45.3			TP				
	2634		105° 37' 00"	+15.5°	11.6	91° 30'	+69.0	+80.6			BS	+1361	-2254		E.O.M.
	2634				14.6	91° 26'	+65.9	+80.5	6381.6		BS				
587	2306		106° 38'	+15.5°	12.0	91° 30'	-60.3	-72.3		6309.3		-1227	+1953	1891,502	628,966
588	1979		107° 40'	" "	11.1	91° 30'	-51.8	-62.9		6318.7		-1083	+1657	1891,646	628,670 Ninemile well-7 1/2
589	1650		108° 02'	" "	10.5	91° 30'	-43.2	-53.7		6327.9		-912	+1375	1891,817	628,388 Ninemile well n.w. 7 1/2
590	1320		108° 13'	" "	9.8	91° 30'	-34.5	-44.3		6337.3		-733	+1098	1891,996	628,111
591	990		107° 19'	" "	9.9	91° 30'	-25.9	-35.8		6345.8		-537	+832	1892,192	627,845
592	660		107° 16'	" "	8.0	91° 30'	-17.3	-25.3		6356.3		-357	+555	1892,322	627,568
593	330		106° 32'	" "	8.0	91° 30'	-8.6	-16.6		6365.0		-175	+280	1893,554	627,293
594	0				5.2	-	-	-5.2		6376.4	T	0	0	1892,729	627,013
595	330		287° 17'	+15.5°	8.0	88° 20'	+9.6	+1.6		6383.2		+179	-277	1892,908	626,736
596	660		288° 53'	" "	8.4	88° 20'	+19.2	+10.8		6392.4		+373	-545	1893,102	626,468
597	987		291° 42'	" "	7.3	88° 20'	+28.7	+21.4		6403.0		+597	-786	1893,326	626,227
598	1315		293° 03'	" "	5.0	88° 20'	+38.2	+33.2		6414.8		+820	-1028	1893,549	625,985
1F	1563		292° 18' 11"	" "	6.0	88° 10'	+50.0	+44.0		6425.6	1F	+958	-1234	1893,687	625,779

y = 1.893,700x - 625,805
E-T-ROAD NORTH

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.21.83		B. Cotnam		D. Wrinkle		6834		DW		4		55			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (ELY)		Ninemile N.W. - 7 1/2		NEVADA		White Pine								J. 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
									6381.6						
599	1645		292° 20'	+15.5°	7.1	88° 10'	+52.6	+45.5		6427.1		+1009	-1299	1893,238	625,714
600	1974		293° 06'	"	7.3	88° 10'	+63.1	+55.8		6437.4		+1232	-1543	1893,961	625,470
41	2235		292° 24' 06"	"	10.7	88°	+78.0	+67.3		6449.0	TP	+1372	-1762	1894,101	625,252
41	2235			"	7.9	88° 04'	+75.4	+67.5	+61.43		TP		+1		E.O.M. = 1/2 T-Trail South y = 1894,110 x = 625,265
	1094		104° 28' 40"	+15.5°	6.2	92°	+36.8	+43.0			BS	+526	-912		E.O.M.
	1054			"	3.1	92° 10'	+39.8	+42.9	6491.9		BS		+1		
601	988		104° 05'	+15.5°	9.3	91° 50'	-31.6	-40.9		6451.0		-488	+859	1894,139	625,200
602	660		102° 12'	"	10.3	91° 50'	-21.1	-31.4		6460.5		-307	+584	1894,320	624,925
603	330		101° 17'	"	7.4	91° 50'	-10.6	-18.0		6473.9		-149	+295	1894,478	624,636
604	0				5.2	-		-5.2		6486.7	π	0	0	1894,627	624,341
17	21		255° 20' 59"	+15.5°	4.5	-		-4.5		6487.4	17	50	-21	1894,627	624,320
605	330		268° 23'	"	7.4	87° 30'	+14.4	+7.0		6498.9		+79	-320	1894,706	624,021
606	659		271° 56'	"	10.7	87° 30'	+28.7	+18.0		6509.9		+197	-629	1894,824	623,712
607	988		273° 39' 41"	"	11.8	87° 30'	+43.1	+31.3		6523.2	TP	+324	-932	1894,951	623,410
607	988				14.6	87° 20'	+46.0	+31.4			TP		+1		E.O.M.
	660		95° 27' 59"	+15.5°	2.9	92° 26'	+28.0	+30.9	6554.1		BS	+236	-616		STADIA FROM HERE TO
	660			"	2.2	92° 30'	+28.8	+31.0			BS		+1		685
608	330		95° 28'	+15.5°	8.2	91° 40'	-9.6	-17.8		6536.3		-118	+308	1895,069	623,103
609	0			"	5.2	-		-5.2		6548.9	π	0	0	1895,187	622,795
610	829		280° 23'	"	6.0	87° 40'	+13.4	+7.4		6561.5		+144	-296	1895,331	622,499

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
6-22-83		B. Cotcamp		D. Wrinklep		6834		DW		4		56						
AREA		TOPO MAR		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
NEVADA		Ninemile N.W. -7 1/2		NEV.		White Pine								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			
									6554.1									
601	650		271° 57' 56"	+15.5	8.5	87° 40'	+26.4	+17.9		6572.0	TP	+195	-620	1895,382	622,176			
611	650				6.6	87° 50'	+24.6	+18.0			TP							
	972		89° 45' 42"	+15.5	12.7	91° 40'	+28.3	+41.0			BS	+256	-937					
	972				15.0	91° 32'	+26.0	+41.0	6613.0		BS							
612	651		95° 12'	+15.5	8.0	91° 40'	-18.9	-26.9		6586.1		-230	+609	1895,408	621,849			
613	329		99° 52'	"	8.0	91° 50'	-10.5	-18.5		6594.5		-141	+297	1895,497	621,537			
614	0				5.2	-		-5.2		6607.8	π	0	0	1895,638	621,240			
615	328		293° 12'	+15.5	6.9	87° 40'	+13.3	+6.4		6619.4		+205	-256	1895,843	620,984			
616	653		299° 21'	"	10.3	87° 20'	+30.3	+20.0		6633.0		+461	-463	1896,099	620,777			
617	981		297° 56' 18"	"	10.0	87° 30'	+42.8	+32.8			TP	+674	-712	1896,312	620,529			
617	981				7.2	87° 40'	+39.9	+32.7		6645.7	TP							
	556		108° 38' 30"	+15.5	7.2	92° 30'	+24.2	+31.4			BS	+312	-460					
	556				8.8	92° 20'	+22.6	+31.4	6672.1		BS							
618	227		105° 30'	+15.5	6.4	92° 30'	-9.9	-16.3		6660.8		-117	+195	1896,507	620,265			
π	0				5.2	-		-5.2		6671.9	π	0	0	1896,624	620,070			
619	102		279° 09'	+15.5	6.6	87° 40'	+4.1	-2.5		6674.6		+43	-93	1896,667	619,977			
TP	415		268° 44' 32"	"	6.2	87° 40'	+16.9	+10.7		6687.8	TP	+102	-402	1896,726	619,669			
TP	415				5.0	87° 50'	+15.7	+10.7			TP							
	220		116° 31' 29" +180	"	12.3	-		+12.3			BS	+147	-163					
	220				11.2	BM	+1.1	+12.3	6700.1		BS							

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 6-22-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NO. CHECKED BY B.C.	LINE NO. 4	PAGE 57
AREA NEVADA	TOPO MAP Ninemilewell n.w.-7E	STATE NEV.	COUNTY White Pine	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				
620	200		113° 22'	+15.5°	6.3	91° 40'	-5.8	-12.1	6700.1										
X	0				5.2	-		-5.2		6688.0	X	0	0	1896,747	619,663				
621	130		308° 08'	+15.5°	5.8	87° 40'	+5.3	-0.5		6694.9	X	+105	-77	1896,873	619,507				
TP	343		304° 40' 20"	"	5.4	87° 50'	+13.0	+7.6		6699.6	TP	+263	-220	1896,978	619,430				
TP	343				4.4	88° -	+12.0	+7.6		6707.7	TP			1897,136	619,288				
	149		129° 51' 04"	+15.5°	8.2	91° -	+2.6	+10.8			BS	+123	-85						
	149				+7.8	91° 10'	+3.0	+10.8	6718.5		BS								
622	35		112° 23'	+15.5°	6.1	91° 10'	-0.7	-6.8		6711.7		-21	+28	1897,238	619,232				
X	0				5.2	-		-5.2		6713.3	X	0	0	1897,259	619,204				
623	297		305° 51' 49"	"	5.4	87° 20'	+13.8	+8.4		6726.9	TP	+232	-185	1897,491	619,020				
623	297				4.5	87° 30'	+12.9	+8.4			TP								
	247		111° 06' 19"	"	+9.1	91° -	+4.3	+13.4			BS	+147	-198						
	247				+8.3	91° 10'	+5.0	+13.3	6740.2		BS								
X	0				5.2	-		-5.2		6735.0	X	0	0	1897,638	618,823				
624	77		274° 46'	+15.5°	3.9	88° 40'	+1.8	-2.1		6738.1		+27	-72	1897,665	618,751				
TP	287		300° 17' 53"	"	6.2	87° 30'	+12.5	+6.3		6746.5	TP	+206	-200	1897,844	618,624				
TP	287				5.4	87° 40'	+11.7	+6.3			TP								
	365		119° 58' 01"	"	+9.4	92° -	+12.7	+22.1			BS	+260	-256						
	365				+8.3	92° 10'	+13.8	+22.1	6768.6		BS								
X	389		118° 13' 27"	"	10.2	91° 50'	-10.8	-21.0		6747.6	X	-234	+245	1897,870	618,614			y=1897,895x=618,605 Ky-ROAD NORTH	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.22.83		B. Gotcamp		D. Winkle		6834		RW		4		58			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ninemile Well N.W. - 7 1/2		NEVADA		White Pine								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
									6768.6						
625	273		117° 08'	+15.5°	6.6	92° 20'	-11.1	-17.7		6750.9		-185	+201	1897919	618.570
X	0				5.2	-		-5.2		6763.4	X	0	0	1898104	618.369
626	57		280° 56'	+15.5°	5.6	87° -	+3.0	-2.6		6766.0		+25	-51	1898129	618.318
627	381		293° 27' 54"	"	4.6	87° 20'	+12.7	+13.1		6781.7	TP	+239	-296	1898342	618.074
627	381				3.5	87° 30'	+16.6	+13.1			TP	-1	"		ACROSS STN.
	297		126° 41' 44"	"	4.8	93° -	+15.5	+20.3			BS	+234	-182		
	297				5.6	92° 50'	+14.7	+20.3	6802.0		BS	-1	+1		
X	0				5.2	-		-5.2		6796.8	X	0	0	1898525	617.893
628	24		348° 24'	+15.5°	4.8	87° -	+1.3	-3.5		6798.5		+24	+2	1898599	617.895
TP	183		347° 48' 53"	"	7.2	88° 20'	+5.3	-1.9		6800.1	TP	+183	+11	1898757	617.905
TP	183				6.7	88° 30'	+4.8	-1.9			TP	-1	"		
	166		132° 18' 12"	"	7.8	-		+7.8			BS	+140	-88		
	166				6.8	90° 20'	+1.0	+2.8	6807.9		BS	-1	+1		
629	0				5.2	-		-5.2		6802.7	X	0	0	1898896	617.818
TP	243		282° 19' 24"	+15.5°	7.0	86° 40'	+14.1	+7.1		6815.0	TP	+113	-215	1899008	617.604
TP	243				6.3	86° 50'	+13.4	+7.1			TP	-1	"		
	398		93° 04' 04"	"	6.7	93° -	+20.8	+27.5			BS	+127	-377		
	398				5.5	93° 10'	+22.0	+27.5	6842.5		BS	-1	"		
630	320		87° 53'	"	5.6	93° 10'	-17.7	-23.3		6819.2		-74	+311	1899060	617.539
631	0				5.2	-		-5.2		6837.3	X	0	0	1899134	617.228

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.22.83		B. Cotcamp		D. Wrinkle		6834		DW		4		59			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ninemile Well n.w.-7 1/2		NEVADA		White Pine								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
									6842.5						
632	323		263° 06' 46"	+15.5°	13.2	85° 50'	+23.4	+10.2		6852.7	TP	+48	-319	1899,181	616,910
632	323		" " " "	" "	12.2	86° -'	+22.5	+10.3			TP	-	"		
	179		106° 03' 49" +80	" "	8.0	93° 30'	+10.9	+18.9			BS	+94	-152		
	179		" " " "	" "	7.5	93° 40'	+11.4	+18.9	6871.6		BS	-	"		
π	0		" " " "	" "	5.2	-		-5.2		6866.4	π	0	0	1899,224	616,759
633	165		329° 13' "	+15.5°	7.6	87° -'	+8.6	+1.0		6872.6		+159	-43	1899,433	616,716
TP	307		299° 32' 56"	" "	6.2	86° 30'	+18.7	+12.5		6884.1	TP	+217	-216	1899,490	616,544
TP	307		" " " "	" "	7.1	86° 20'	+19.6	+12.5			TP	"	"		
	210		89° 25' 06"	" -	5.8	93° -'	+11.0	+16.8			BS	+54	-203		
	210		" " " "	" "	9.5	92° -'	+7.3	+16.8	6900.9		BS	"	"		
634	70		87° 45'	" "	6.5	92° -'	-2.4	-8.9		6892.0		-16	+68	1899,527	616,410
π	0		" " " "	" "	5.2	-		-5.2		6895.7	π	0	0	1899,543	616,342
TP	212		291° 29' 25"	+15.5°	8.3	84° 30'	+20.2	+11.9		6912.8	TP	+127	-169	1899,669	616,174
TP	212		" " " "	" "	8.9	84° 20'	+20.8	+11.9			TP	"	"		
	229		53° 15' 27"	" +	13.3	91° 30'	+6.0	+19.3			BS	-83	-213		
	229		" " " "	" "	14.0	91° 20'	+5.3	+19.3	6932.1		BS	"	"		
635	184		56° 38'	" "	14.5	90° 20'	-1.1	-15.6		6916.5		+56	+175	1899,641	616,137
π	0		" " " "	" "	5.2	-		-5.2		6926.9	π	0	0	1899,585	615,962
636	187		289° 43'	" "	14.5	84° 30'	+13.1	-1.4		6930.7		+79	-112	1899,664	615,850

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6-22-83		B. Cotcamp		D. Winkle		6834		DW		4	60						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
NEVADA		Nine Mile Well N.W. - T ¹ / ₂	NEVADA	White Pine					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		
									6932.1								
TP	322		283° 47' 30"	+15.5°	4.4	88° -	+11.2	+6.8		6938.9	TP	+157	-281	1899.741	615.682		
TP	322				3.5	88° 10'	+10.3	+6.8			TP	-1	"				
	280		117° 06' 47"	" -	9.3	93° -	+14.6	+23.9			BS	+189	-206				
	280				10.1	92° 50'	+13.8	+23.9	6962.8		BS	-1	"				
637	147		118° 14'	" -	9.0	93° 30'	-9.0	-18.0		6944.8		-102	+106	1899.827	615.583		
X	0				5.2	-		-5.2		6952.6	X	0	0	1899.929	615.477		
638	162		300° 58' 54"	+15.5°	4.5	84° 30'	+15.5	+11.0		6973.8	TP	+117	-111	1900.045	615.367		
638	162				4.0	84° 40'	+15.0	+11.0			TP	-1	"				
	248		110° 51' 01"	" -	10.5	-		+10.5			BS	+147	-200				
	248				11.2	89° 50'	-0.7	+10.5	6984.3		BS		"				
X	0				5.2	-		-5.2		6979.1	X	0	0	1900.192	615.168		
639	106		355° 53'	+15.5°	5.6	85° 20'	+8.6	+3.0		6982.3		+104	+21	1900.296	615.189		
640	430		342° 04' 02"	" -	5.2	86° 50'	+23.7	+18.5		7002.8	TP	+429	-18	1900.621	615.151	Across	
640	430				4.0	87° -	+22.5	+18.5			TP		"			STA.	
^{3.28} / ₂	616		148° 19' 24"	" -	14.2	92° 10'	+23.3	+37.5	7040.3		BS	+591	-171			0.0 6-23-83	
	616				12.5	92° 20'	+25.1	+37.6			BS		"				
641	301		141° 31'	" -	7.4	92° 10'	-11.4	-18.8		7021.5		-277	+118	1900.935	615.099	Through corner	
642	0				5.2	-		-5.2		7035.1	X	0	0	1901.212	614.981		
TP	283		283° 13' 31"	" -	11.8	85° 20'	+22.9	+11.1		7051.4	TP	+136	-247	1901.348	614.735		
TP	283				10.9	85° 30'	+22.1	+11.2			TP		"				

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 6-23-83	INSTRUMENT MAN B. Cotamp	ROD MAN O. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY D.W.	LINE NO. 4	PAGE 61
AREA NEVADA (ELY)	TOPO MAP Ninemile well n.w. - 7 1/2	STATE NEV.	COUNTY White Pine	TWP	RANGE	PPM
			PARTY MANAGER L.O. Davis			

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
										7051.4								
BS	208		102° 49' 40"	+155'	11.0	93° -	+10.9	+21.9	7073.3		BS	+99	-183					
BS	208				11.7	92° 50'	+10.3	+22.0			BS		"					
643	173		97° 20'	"	17.0	90° 46'	-2.3	-19.3		7054.0		-67	+159	1901,380	614,712			
X	0				5.2	-		-5.2		7068.1	X	0	0	1901,447	614,553		OFF LINE outside corner	
644	163		307° 04'	"	5.4	87° 40'	+6.6	+1.2		7074.5		+129	-99	1901,576	614,454			
TP	249		289° 01' 42"	"	11.6	85° -	+21.6	+10.0		7083.3	TP	+141	-204	1901,588	614,350			
TP	249				12.3	84° 50'	+22.3	+10.0			TP		"					
	188		101° 37' 19"	+15.5'	4.6	94° 30'	+14.7	+19.3	7102.6		BS	+85	-167					
	188				5.2	94° 20'	+14.2	+19.4			BS		"					
X	0				5.2	-		-5.2		7092.4	X	0	0	1901,673	614,184			
645	47		329° 23'	"	5.0	88° 10'	+1.5	-3.5		7099.1		+45	-12	1901,718	614,172			
646	376		315° 10'	"	5.9	85° 50'	+27.2	+21.3		7123.9		+328	-184	1902,001	614,000			
TP	674		318° 24' 47"	"	7.6	85° 20'	+54.7	+47.1		7149.7	TP	+603	-295	1902,276	613,890			
TP	674				9.5	85° 10'	+56.6	+47.1			TP		"					
	587	580.8	89° 14' 59"	+15.5'	10.1	98° 20'	+84.2	+94.3	x		BS	+148	-562					
	587				11.8	98° 10'	+82.5	+94.3	7244.0		BS		"					
647	565		88° 28'	"	8.0	98° 40'	-84.2	-92.2		7151.8		-136	+548	1902,288	613,877		LAST STA. ON 400 TRAIL	
648	240		87° 06'	"	11.2	101° 30'	-46.9	-58.1		7185.9		-52	+234	1902,372	613,563		CROSS country 648 to 666	
X	0				5.2	-		-5.2		7238.8	X	0	0	1902,424	613,329			
649	79		258° 54'	"	5.9	87° 20'	+3.7	-2.2		7241.8		+6	-79	1902,430	613,250			

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6.23.83		B. Potcamp		D. Wrinkle		6834		D W		4	62					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
NEVADA (BY)		Ninemile Well N.W. - T2	NEV.	White Pine					L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
									7244.0							
650	409		258° 39'	+15.5°	14.3	81° 50'	+57.5	+43.2		7287.2		+30	-408	1902,454	612,921	
TP	623	612.6	256° 26' 34"	" "	6.1	79° 30'	+111.6	+105.5		7349.5	TP	+21	-612	1902,445	612,718	
TP	623				4.2	79° 40'	+109.9	+105.7			TP					
	331		76° 59' 24" +180	" +"	8.0	85° 46'	-24.9	-16.9			BS	+14	-330			
	331				9.0	85° 30'	-25.9	-16.9	7332.6		BS					
651	211		77° 47'	" "	6.5	85° 20'	+12.1	+10.6		7343.2		-12	+211	1902,447	612,600	
X	0				5.2	-		-5.2		7327.4	X	0	0	1902,459	612,389	
652	123		227° 06'	+15.5°	8.5	91° 50'	-3.9	-12.4		7320.2		-57	-109	1902,402	612,280	
653	447		242° 00' 46"	" "	10.4	92° 50'	-22.1	-32.5		7300.1	TP	-97	-436	1902,362	611,954	
653	447				11.7	92° 40'	-20.8	-32.5			TP					
	330		81° 18' 28" +180	" +"	5.9	85° 50'	-23.9	-18.0			BS	+39	-327			
	330				6.9	85° 40'	-24.9	-18.0	7282.1		BS					
654	0				5.2	-		-5.2		7276.9	X	0	0	1902,401	611,628	
TP	303		264° 12' 39"	+15.5°	14.1	92° -	-10.6	-24.7		7257.4	TP	+51	-298	1902,452	611,331	
TP	303				13.2	92° 10'	-11.4	-24.6			TP					
	429		65° 13' 36"	" +"	6.4	88° -	-15.0	-8.6			BS	-69	-423			
	429				5.1	88° 10'	-13.7	-8.6	7248.8		BS					
655	403		65° 02'	" "	7.3	88° -	+14.1	+6.8		7255.6		+66	+398	1902,449	611,307	
656	77		66° 41'	" "	6.5	88° -	+2.7	-3.8		7245.0		+10	+76	1902,393	610,985	
X	0				5.2	-		-5.2		7243.6	X	0	0	1902,383	610,909	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 6.23.83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY DW	LINE NO. 4	PAGE 63
AREA NEVADA (ELY)	TOPO MAP Ninemile Well N.W. - T ₂	STATE NEVADA	COUNTY White Pine	TWP	RANGE	PPM
PARTY MANAGER L. O. Davis						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
									7248.8							
657	251		249° 58'	+15.5	13.0	88° -	+8.8	-4.2		7244.6		-26	-250	1902,363	610,659	
TP	386		242° 08' 16"	" "	7.1	85° 10'	+32.4	+25.3		7224.1	TP	-82	-376	1902,301	610,534	
TP	386		" "	" "	6.0	85° 20'	+31.3	+25.3			TP	"	"			
	111		50° 53' 02" +180	" "	11.0	-	-	+11.0			BS	-44	-102			
	111		" "	" "	10.7	90° 10'	+0.3	+11.0	7285.1		BS	"	"			
X	0		" "	" "	5.2	-	-	-5.2		7279.9	X	0	0	1902,257	610,433	ok
658	81		272° 51'	+15.5	1.9	103° 30'	-18.4	-20.3		7264.8		+26	-77	1902,283	610,356	
TP	124	123.0	260° 30' 07"	" "	12.6	97° 20'	-15.7	-28.3		7256.8	TP	+13	-122	1902,270	610,312	
TP	124		" "	" "	12.9	97° 10'	-15.3	-28.2			TP	"	"			
	73		91° 58' 42" +180	" "	11.6	84° -	-7.6	-6.0			BS	+22	-69			
	73		" "	" "	1.3	84° 10'	-7.4	-6.1	7250.7		BS	"	"			
X	0		" "	" "	5.2	-	-	-5.2		7245.5	X	0	0	1902,292	610,214	
TP	118	117.0	246° 11' 06"	+15.5	5.4	97° 20'	-14.9	-20.3			TP	-17	-116	1902,275	610,129	
TP	118		" "	" "	5.1	97° 30'	-15.3	-20.4		7230.3	TP	"	"			
	151	149.0	80° 02' 36" +180	" "	4.8	80° 40'	-24.2	-19.4	7210.9		BS	+14	-148			
	151		" "	" "	4.4	80° 50'	-23.7	+19.3			BS	"	"			
659	55		80° 32'	" "	3.7	80° 40'	+8.8	+5.1		7216.0		-6	+55	1902,283	610,037	
X	0		" "	" "	5.2	-	-	-5.2		7205.7	X	0	0	1902,289	609,982	
TP	99	97.0	261° 54' 56"	" "	6.8	101° 30'	-19.3	-26.1		7184.8	TP	+13	-96	1902,302	609,887	
TP	99		" "	" "	6.5	101° 40'	-19.6	-26.1			TP	"	"			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 6.23.83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY D.W.	LINE NO. 4	PAGE 64
AREA NEVADA (ELY)	TOPO MAP Min Mile Well N.W. 7 1/2	STATE NEVADA	COUNTY White Pine	TWP	RANGE	PPM
			PARTY MANAGER L.O. Davis			

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
										7184.8						
	90	86.9	71° 49' 58"	+15.5	2.9	75°	-22.5	-19.6			BS	-4	-87			
	90				+2.7	75° 10'	-22.3	-19.6	7165.2		BS		+			
π	0				5.2	-		-5.2		7160.0	π	0	0	1902,298	609,801	
660	84		275° 52'	u u	5.0	97° 40'	-11.1	-16.1		7149.1		+31	-78	1902,329	609,723	
TP	134		283° 13' 34"	u "	13.1	94° 50'	-11.3	-24.4		7140.8	TP	+64	-117	1902,362	609,685	
TP	134				12.7	95°	-11.6	-24.3			TP					
	68		103° 34' 16"	+15.5	4.6	82° 40'	-8.6	-4.0			BS	+33	-59			
	68				+4.2	83°	-8.2	-4.0	7136.8		BS		+			
π	0				5.2	-		-5.2		7131.6	π	0	0	1902,395	609,627	
TP	170		251° 34' 06"	u u	5.2	95°	-14.8	-20.0		7116.8	TP	-9	-169	1902,386	609,459	
TP	170				4.7	95° 10'	-15.2	-19.9			TP		+			
	139		103° 46' 54"	u +	5.2	84°	-14.5	-9.3			BS	+68	-121			
	139				+4.8	84° 10'	-14.1	-9.3	7107.5		BS		+			
661	95		103° 48'	u -	4.9	84° 10'	+9.6	+4.7		7112.2		-46	+83	1902,408	609,472	
π	0				5.2	-		-5.2		7102.3	π	0	0	1902,454	609,339	
662	233		265° 33' 18"	+15.5	9.3	87° 40'	+9.5	+0.2		7107.7	TP	+45	-228	1902,499	609,112	
662	233				10.0	87° 30'	+10.2	+0.2			TP		+			
	201	197.6	68° 06' 01" +180	u +	8.1	100° 30'	+36.0	+44.1	7151.8		BS	-22	-196			
	201				+9.9	100°	+34.4	+44.3			BS		+			
π	0				5.2	-		-5.2		7146.6	π	0	0	1902,477	608,917	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.23.83		B. Cotcamp		D. Winkle		6834		JW		4		65			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (ELY)		NINEMILE Well N.W. - 1/2		NEVADA		white Pine								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
									7151.8						
663	129		268° 08'	+15.5	2.1	101° 20'	-24.9	-22.0		7124.8		+30	-125	1902,507	608,792
TP	150	148.5	269° 42' 05"	"	10.0	98° -	-20.7	-30.7			TP	+34	-145	1902,511	608,772
TP	150				9.6	98° 10'	-21.1	-30.7	*	7121.1	TP				
	483	472.5	53° 36' 05" +180	+15.5	12.9	78° -	-100.4	-87.5			BS	-169	-441		E.D.M.
	483			+	10.1	78° 20'	-97.7	-87.6	*7033.5		BS				
664	234		24° 49'	+15.5	5.9	84° 10'	+23.7	+12.8		7051.3		+178	+151	1902,520	608,482
X	0				5.2	-		-5.2		7028.3	X	0	0	1902,342	608,331
TP	276		313° 50' 12"	+15.5	13.7	92° 20'	-11.2	-24.9		7008.6	TP	+237	-141	1902,579	608,190
TP	276				14.5	92° 10'	-10.4	-24.9			TP				
	307		81° 08' 29"	"	11.4	87° 30'	-13.4	-2.0	7006.6		BS	+35	-305		
	307			+	12.4	87° 20'	-14.3	-1.9			BS				
665	280		80° 58'	"	10.5	87° 20'	+13.0	+2.5		7009.1		-32	+278	1902,582	608,163
X	0				5.2	-		-5.2		7001.4	X	0	0	1902,614	607,885
666	49		287° 43'	"	5.3	92° 10'	-1.9	-2.2		6999.4		+27	-41	1902,641	607,844
TP	242		287° 52' 20"	"	9.6	92° 20'	-9.8	-19.4		6987.2	TP	+133	-202	1902,242	607,683
TP	242				8.9	92° 30'	-10.5	-19.4			TP				
	399	396.6	115° 08' 24"	+15.5	11.4	83° 40'	-43.7	-32.3			BS	+258	-301		
	399			+	12.5	83° 30'	-44.9	-32.4	6954.8		BS				
667	266		116° 45'	"	8.2	83° 50'	+28.4	+20.2		6925.0		-179	+197	1902,280	607,579
X	0				5.2	-		-5.2		6949.6	X	0	0	1903,005	607,382

1st STA. BACK ON ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	6-28-83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Winkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW	LINE NO.	4	PAGE	66
AREA	NEVADA (ELY)	TOPO MAP	Nine Mile Well N.W. - 7 1/2	STATE	NEV.	COUNTY	White Pine	TWP		PPM		PARTY MANAGER	L-Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
									6954.8							
668	64		276° 00'	+15.5	10.1	90° 20'	-0.4	-10.5		6944.3		+23	-60	1903,028	607.322	
669	384		290° 40'	"	10.4	93° 30'	-23.4	-33.8		6921.0		+227	-310	1903,282	607.072	
TP	679		286° 04 17	"	8.6	92° 40'	-31.6	-40.2		6914.6	TP	+355	-578	1903,360	606.804	
TP	679		"	"	6.6	92° 50'	-33.5	-40.1			TP					
	662		83° 54 11	"	13.7	86° 30'	-40.3	-26.6			BS	+108	-652			
	662		"	"	14.9	86° 24'	-41.5	-26.6	6888.0		BS					
670	630		84° 34'	+15.5	14.2	86° 20'	+40.2	+26.0		6914.0		-110	+620	1903,358	606.712	
671	299		81° 35'	"	7.9	86° 10'	+17.9	+12.0		6900.0		-37	+297	1903,431	606.449	
X	0		"	"	5.2	-	-	-5.2		6882.8	X	0	0	1903,468	606.152	
672	32		243° 00'	"	6.6	94° 10'	-2.3	-8.9		6879.1		-6	-31	1903,462	606.121	
673	345		274° 07'	"	8.1	94° 10'	-25.0	-33.1		6854.9		+116	-325	1903,584	605.827	
674	665		275° 41'	"	8.0	93° 10'	-36.7	-44.7		6843.3		+240	-620	1903,708	605.532	
TP	842 872		275° 13 17	"	10.6	92° 50'	-43.1	-53.7		6834.3	TP	+308	-815	1903,776	605.337	
TP	842 872		"	"	13.2	92° 40'	-40.5	-53.7			TP					
	196		122° 36 31	+15.5	5.9	86° -	-13.6	-7.7			BS	+146	-131			
	196		"	"	5.3	86° 10'	-13.1	-7.8	6826.5		BS					
675	82		124° 41'	"	5.4	86° 30'	+5.0	-0.4		6826.1		-63	+53	1903,859	605.258	
X	0		"	"	5.2	-	-	-5.2		6821.3	X	0	0	1903,922	605.206	
676	242		289° 28'	"	6.0	91° 40'	-7.0	-13.0		6813.5		+139	-198	1904,061	605.008	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6.28.83		B. Cotcamp		D. Wrinkle		6834		RW		4		67				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA (Ely)		Nine Mile Well n.w. -7z		NEVADA		White Pine								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
TP	353		287° 11' 58"	+15.5	8.7	91° 30'	-9.2	-17.9	6826.5		TP	+191	-297	1904,113	604,909	
TP	353				9.8	91° 20'	-8.2	-18.0		6808.5	TP					
	838		99° 15' 59"	" "	5.4	88° -	-29.2	-23.8			BS	+351	-760			
	838			" "	7.8	87° 50'	-31.7	-23.9	6784.6		BS					
677	635		101° 02'	" "	7.3	88° 20'	+18.5	+11.2		6795.8		-284	+568	1904,180	604,717	
678	326		98° 18'	" "	11.2	89° -	+5.7	-5.5		6779.1		-132	+298	1904,332	604,447	
679	0			" "	5.2	-		-5.2		6779.4	X	0	0	1904,464	604,149	
680	320		275° 00' 53"	+15.5	12.6	92° 20'	-13.0	-25.6		6759.0	TP	+112	-299	1904,576	603,850	
680	320			" "	11.7	92° 30'	-13.9	-25.6			TP					
	395		76° 25' 12" +180	" "	5.8	87° -	-20.6	-14.8			BS	+13	-394			
	395			" "	4.6	87° 10'	-19.5	-14.9	6744.1		BS					
681	76		66° 15'	" "	5.5	87° -	+4.0	-1.5		6742.6		+11	+75	1904,600	603,531	
X	0			" "	5.2	-		-5.2		6738.9	X	0	0	1904,589	603,456	
682	240		242° 47'	" "	7.8	92° 40'	-11.2	-19.0		6725.1		-49	-235	1904,540	603,221	
TP	400		242° 33' 51"	" "	12.5	91° 40'	-11.6	-24.1			TP	-83	-391	1904,506	603,065	
TP	400			" "	11.4	91° 50'	-12.8	-24.2		6719.9	TP					
	591		36° 57' 07"	+15.5	6.1	87° -	-30.9	-24.8			BS	-360	-468			E.O.M.
	591			" "	7.8	86° 50'	-32.6	-24.8	6695.1		BS					
683	425		37° 38'	" "	8.4	86° 30'	+25.9	+12.5		6722.6		+255	+340	1904,401	602,937	
684	115		07° 48'	" "	6.5	92° -	-4.0	-10.5		6684.6		+106	+45	1904,252	602,642	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6-28-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY DW	LINE NO. 4	PAGE 68
AREA NEVADA (BLM)	TOPO MAP Nine Mile Well N.W. - T ¹ / ₂	STATE NEV.	COUNTY White Pine	TWP	RANGE	PPM
			PARTY MANAGER 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	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
									6695.1							
TP	0				5.2	-		-5.2		6689.9	TP	0	0	1,904,146	602,597	
HK	181		277° 00' 29"	+15.5	7.1	93° 10'	-10.0	-12.1		6678.0	HK	+69	-167	1,904,215	602,430	y=1,904,215 x=602,430
685	293		279° 10'	" "	9.0	92° -	-10.2	-19.2		6675.9		+122	-266	1,904,268	602,331	center Horiz y=715 corr. x=+62
686	619		281° 59'	" "	7.1	92° -	-21.6	-28.7		6666.4		+286	-549	1,904,432	602,048	
TP	932		283° 19' 24"	" "	10.3	91° 40'	-27.1	-37.4		6657.7	TP	+449	-816	1,904,597	601,785	E.O.M. to 748
TP	932				13.0	91° 30'	-24.4	-37.4			TP	+2	+4			
	471		77° 43' 54"	" "	7.9	87° -	-24.7	-16.8	66409		BS	+27	-470			
	471				9.3	86° 50'	-26.0	-16.7			BS	+2	+4			
687	480		73° 12'	+15.5	10.8	87° 20'	+22.3	+11.5		6652.4		+11	+480	1,904,637	601,799	
688	167		93° 39'	" "	8.2	87° 20'	+7.8	-0.4		6640.5		-55	+158	1,904,571	601,477	
TP	0				5.2	-		-5.2		6635.7	TP	0	0	1,904,626	601,319	
689	164		317° 46'	" "	6.8	91° 40'	-4.8	-11.6		6629.3		+146	-74	1,904,772	601,245	
690	489		327° 04'	" "	7.3	91° 40'	-14.2	-21.5		6619.4		+467	-147	1,905,093	601,172	
TP	556		328° 15' 20"	" "	7.1	91° 40'	-16.2	-23.3		6617.6	TP	+534	-155	1,905,162	601,168	
TP	556				8.7	91° 30'	-14.6	-23.3			TP	+2	+4			
	909		166° 15' 41"	+15.5	11.5	88° 10'	-29.1	-17.6			BS	+908	+28			
	909				7.8	88° 24'	-25.4	-17.6	6600.0		BS	+2	+4			
691	650		163° 44'	" "	8.8	88° 20'	+18.9	+10.1		6610.1		-650	+9	1,905,422	601,209	
692	323		159° 14'	" "	6.1	89° -	+5.6	-0.5		6599.5		-322	+30	1,905,750	601,230	
693	0				5.2	-		-5.2		6594.8	TP	0	0	1,906,072	601,200	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.28.83		B. Cotcamp		D. Wrinkle		6834		DW		4		69			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (ELY)		Ninemile Well N.W. 1/2		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6600.0						
694	333		290° 29'	+15.5°	9.8	-	-9.8			6590.2		+196	-269	1906,268	600,931
695	663		291° 22'	" "	9.6	90° 30'	-5.8	-15.4		6584.6		+398	-530	1906,470	600,670
696	992		291° 46'	" "	10.8	90° 36'	-8.7	-19.5		6580.5		+601	-789	1906,673	600,411
TP	1136		291° 37' 38"	" "	10.6	90° 36'	-9.9	-20.5		6579.5	TP	+686	-906	1906,760	600,298
TP	1136				13.8	90° 20'	-6.6	-20.4			TP	+2	+4		
	377		123° 15' 06"	+15.5°	4.9	88°	-13.2	-8.3			BS	+283	-248		
	377			" "	3.8	88° 10'	-12.1	-8.3	6571.2		BS	+2	+4		
697	187		120° 09'	" "	6.7	86° 40'	+10.9	+4.2		6575.4		-134	+131	1906,911	600,185
TP	0				5.2	-	-5.2			6566.0	TP	0	0	1907,045	600,054
698	143		295° 36'	" "	5.2	98°	-14.9	-20.1		6551.1		+94	-108	1907,139	599,946
699	471		292° 42'	" "	8.4	95°	-40.9	-49.3		6521.9		+291	-370	1907,336	599,684
TP	738		286° 33' 18"	" "	7.6	94° 26'	-55.8	-63.4		6507.8	TP	+391	-624	1907,438	599,434
TP	738				5.9	94° 28'	-57.5	-63.4			TP	+2	+4		AROUND
	403		86° 15' 52"	+15.5°	8.2	87°	-21.1	-12.9			BS	+82	-394		ERROR
	403			" "	9.4	86° 50'	-22.3	-12.9	6494.9		BS	+1	+4		
700	362		86° 35'	" "	9.6	86° 50'	+20.0	+10.4		6505.3		-76	+354	1907,445	599,398
701	43		116° 44'	" "	5.8	87°	+2.2	-3.6		6491.3		-25	+35	1907,496	599,079
TP	0				5.2	-	-5.2			6489.7	TP	0	0	1907,521	599,044
702	287		289° 37'	" "	7.6	92° 30'	-12.5	-20.1		6474.8		+165	-235	1907,686	598,809

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6.28.83		B. Cotcamp		D. Wrinkle		6834		D.W.		4		70				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA (ELY)		Ninemite Well N.W.-7 1/2		NEVADA		White Pine								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
703	609		281° 58' 47"	+15.5	6.4	92° 20'	-24.8	-31.2	6494.9	6463.7	TP	+281	-540	1907.803	598.508	
703	609				4.6	92° 30'	-26.6	-31.2			TP	+1	+4			
	964		70° 15' 48"	" "	11.4	88° -	-33.6	-22.2			BS	-71	-961			
	964			" "	7.5	88° 10'	-30.8	-22.3	6441.4		BS	+1	+4			
41	897		70° 02' 10"	" "	9.3	88° 10'	+28.7	+19.4		6460.8	41	+70	+894	1907.803	598.445	y-1907.800 x-598.450
704	635		69° 28'	" "	6.3	88° 20'	+18.5	+12.2		6458.6		+56	+633	1907.789	598.184	y-Road north
705	327		83° 47'	" "	9.8	87° 20'	+15.2	+5.4		6446.8		-53	+323	1907.680	597.874	
706	0				5.2	-		-5.2		6436.2	X	0	0	1907.733	597.551	
707	328		278° 38'	+15.5	7.2	90° 30'	-2.9	-10.1		6431.3		+134	-299	1907.867	597.252	
708	656		282° 38'	" "	8.8	90° 40'	-7.6	-16.4		6425.0		+309	-579	1908.042	596.972	
TP	766		283° 43' 36"	" "	11.4	90° 40'	-8.9	-20.3		6421.1	TP	+374	-668	1908.108	596.889	
TP	766			" "	9.2	90° 50'	-11.1	-20.3			TP	+1	+6			
	2846		113° 09' 06"	" "	12.3	88° 46'	-61.3	-49.0	6372.0		BS	+1777	-2222			
	2846			" "	8.7	88° 50'	-57.9	-49.2	49.15		BS	+1	+6			
709	2627		112° 56'	" "	13.0	88° 50'	+53.5	+40.5		6412.5		-1633	+2058	1908.253	596.731	
710	2297		" "	" "	9.8	89° -	+40.1	+30.3		6402.3		-1428	+1799	1908.458	596.472	
711	1968		112° 28'	" "	8.0	89° 0'	+28.6	+20.6		6392.6		-1211	+1552	1908.675	596.225	
14	1797		113° 56' 41"	" "	9.3	89° 10'	+26.1	+16.8		6388.8	14	-1142	+1388	1908.744	596.061	y-1908.710 x-596.095
712	1645		113° 51'	" "	9.9	89° 10'	+23.9	+14.0		6386.0		-1043	+1272	1908.843	595.945	y-Road south

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.28.83		B. Potcamp		D. Wrinkle		6834		DW		4		71			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (ELY)		Nine mile Well-7 1/2		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	N.W. 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
									6372.0						
713	1319		115° 16'	+15.5	10.0	89° 16'	+19.2	+9.2		6381.2		-861	+999	1,909,025	595,672
714	990		115° 17'	" "	8.6	89° 10'	+14.4	+5.8		6377.8		-647	+750	1,909,239	595,423
715	660		" "	" "	10.0	89° 10'	+9.6	-0.4		6371.6		-431	+500	1,909,455	595,173
716	330		112° 47'	" "	8.8	89° 10'	+4.8	-4.0		6368.0		-204	+259	1,909,682	594,932
717	0				5.2	-		-5.2		6366.8	TP	0	0	1,909,886	594,673
718	330		297° 00'	+15.5	9.6	91° 30'	-8.6	-18.2		6353.8		+223	-243	1,910,109	594,430
719	659		295° 35'	" "	96.1	91° 30'	-17.2	-23.3		6348.7		+433	-497	1,910,319	594,176
720	989		295° 10'	" "	4.6	91° 20'	-23.0	-27.6		6344.4		+644	-750	1,910,530	593,923
721	1318		294° 04'	" "	7.8	91° 10'	-26.8	-34.6		6337.4		+840	-1016	1,910,726	593,657
722	1637		291° 18' 28"	" "	10.4	91° 10'	-33.3	-43.7			TP	+981	-1310	1,910,868	593,369
722	1637				15.3	91° -	-28.6	-43.9		6328.1	TP	+	+		
	3274		113° 53' 36"	+15.5	12.7	90° 10'	+9.5	+22.2			BS	+2078	-2530		
	3274			+	12.4	269° 50'	+9.5	+21.9	6350.0		BS	+	+		
723	2948		114° 08'	" "	10.3	90° 40'	-34.3	-44.6		6305.4		-1880	+2270	1,911,066	593,113
724	2619		114° 01'	" "	9.6	91° 0'	-45.7	-55.3		6294.7		-1666	+2020	1,911,280	592,863
725	2291		114° 33'	" "	6.7	91° 0'	-40.0	-46.7		6303.3		-1474	+1754	1,911,472	592,597
726	1962		115° 20'	" "	10.6	91° -	-34.2	-44.8		6305.2		-1283	+1484	1,911,663	592,327
BM	1777		114° 42' 49"	" "	7.2	91° 10'	-36.2	-43.4		6306.6	BM	-1147	+1357	1,911,800	592,200
727	1738		116° 23' 07"	" "	9.6	91° 10'	-35.4	-45.0		6305.0	7/4	-1160	+1294	1,911,786	592,137
727	1634		116° 37'	" "	11.8	91° 10'	-33.3	-45.1		6305.0		-1096	+1212	1,911,850	592,055

Nine mile well n.w. 7 1/2
 Junction well 7 1/2
 Junction well 7 1/2
 Ruby Lake S.E. ↓
 1,911,800 x - 592,200
 U.S.G.S. Bm E1663050
 409.2 3-120
 7/4 4 way y - 1,911,800 x - +62
 x - 592,100

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
6.28.83		B. Cotcamp		D. Wrinkle		6834		DW		4	72				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NEVADA (ELY)		RUBY LAKE S.E. -7 1/2'		NEVADA		White Pine					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6350.0						
728	1305		118° 16'	+15.5	15.0	91° 12'	-27.3	-42.3		6307.7		-903	+942	1,912,044	591,785
729	984		121° 31'	" "	17.3	91° 10'	-20.0	-37.3		6312.7		-720	+671	1,912,227	591,514
730	659		122° 29'	" "	6.6	91° 10'	-13.4	-20.0		6330.0		-490	+441	1,912,457	591,284
731	330		121° 00'	" "	7.7	91° 20'	-2.7	-15.4		6334.6		-239	+227	1,912,708	591,070
732	0				5.2	-		-5.2		6344.8	TP	0	0	1,912,947	590,843
733	330		293° 46'	+15.5	7.2	88° 50'	+6.7	-0.5		6349.5		+209	-255	1,913,156	590,588
734	660		295° 21'	" "	8.1	88° 50'	+13.4	+5.3		6355.3		+432	-499	1,913,379	590,344
735	990		296° 21'	" "	10.7	88° 50'	+20.2	+9.5		6359.5		+661	-737	1,913,608	590,106
736	1316		298° 32'	" "	10.2	88° 50'	+26.8	+16.6		6366.6		+915	-946	1,913,862	589,897
737	1644		299° 49'	" "	9.1	89° -	+28.2	+19.6		6369.6		+1169	-1156	1,914,116	589,687
738	1973		300° 29'	" "	9.8	89° -	+34.4	+24.6		6374.6		+1419	-1371	1,914,366	589,472
739	2303		300° 56'	" "	12.2	89° -	+40.2	+28.0		6378.0		+1669	-1587	1,914,616	589,256
740	2621		299° 34'	" "	11.2	89° -	+45.7	+34.5		6384.5		+1855	-1851	1,914,802	589,992
741	2943		298° 07' 53"	" "	11.4	88° 54'	+56.5	+45.1		6395.2	TP	+2030	-2130	1,914,978	588,714
741	2943				11.1	271° 06'	+56.5	+45.4	4523		TP	+1	+1		
	987		110° 27' 36"	+15.5	9.3	91° -	+17.2	+26.5			BS	+580	-799		
	987				6.4	91° 16'	+20.1	+26.5	6421.7		BS		+1		
742	658		110° 13'	" "	8.1	91° 10'	-13.4	-21.5		6400.2		-384	+534	1,915,175	588,450
743	329		112° 42'	" "	5.8	91° 10'	-6.7	-12.5		6409.3		-203	+259	1,915,356	588,175
Bm	122		94° 31' 24"	" "	3.2	91° 10'	-2.5	-5.7		6416.0	Bm	-42	+115	1,915,517	588,031

y=1,915,530 x=588,045
U.S.G.S. Bm
25-002-1965 EL. 6415

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
6.28.83		B. Cotran-P		D. Wrinkle		6834		D.W		4	73					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
NEVADA (ELY)		Ruby LAKE S.E. - 7 1/2	NEVADA	White Pine					L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.			
									6421.7							
744	0				5.2	-		-5.2		6416.5	X	0	0	1915.559	587.916	
745	330		295° 48'	+15.5°	7.9	88° 40'	+7.7	-0.2		6421.5		+218	-248	1915.771	587.668	
746	660		297° 20'	"	11.7	88° 40'	+15.4	+3.7		6425.4		+449	-484	1916.008	587.432	
747	988		299° 06'	"	6.8	89° -	+17.2	+10.4		6432.1		+694	-703	1916.253	587.213	
748	1317		298° 41'	"	8.7	89° -	+23.0	+14.3		6436.0		+918	-944	1916.477	586.972	
749	1645		298° 10' 11"	"	10.4	89° -	+28.7	+18.3		6440.0	TP	+1136	-1190	1916.696	586.727	
749	1645				6.6	89° 08'	+24.9	+18.3			TP	"	"			
	990		116° 45' 35"	+15.5°	8.6	91° -	+17.3	+25.9	6465.9		BS	+666	-733			
	990			"	5.8	91° 10'	+20.2	+26.0			BS	"	"			
750	660		116° 57'	"	7.9	91° -	-11.5	-19.4		6446.5		-445	+487	1916.918	586.482	
751	330		115° 36'	"	7.2	91° -	-5.8	-13.0		6452.9		-217	+249	1917.146	586.244	
752	0				5.2	-		-5.2		6460.7	X	0	0	1917.363	585.995	
753	330		287° 36'	+15.5°	7.4	88° 20'	+9.6	+2.2		6468.1		+180	-276	1917.543	585.719	
754	651		278° 54'	"	11.4	88° 20'	+18.9	+7.5		6473.4		+269	-593	1917.632	585.402	
755	967		272° 08' 41"	"	8.6	88° 40'	+22.5	+13.9		6479.8	TP	+293	-921	1917.657	585.075	
755	967				11.4	88° 36'	+25.3	+13.9			TP	"	"			
	1309		97° 39' 17"	"	5.6	91° -	+22.8	+28.4			BS	+515	-1203			
	1309			"	9.4	90° 50'	+19.0	+28.4	6508.2		BS	"	"			
756	982		96° 46'	"	9.9	90° 50'	-14.3	-24.2		6484.0		-372	+909	1917.801	584.782	
757	657		100° 23'	"	8.0	90° 50'	-9.6	-17.6		6490.6		-287	+591	1917.886	584.464	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 6.29.83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY DW	LINE NO. 4	PAGE 74
AREA NEVADA (ELY)	TOPO MAP Rugby Lake S.E. - 7 1/2'	STATE NEV.	COUNTY White Pine	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	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6508.2						
758	327		97° 44'	+15.5°	6.4	90° 50'	-4.8	-11.2		6497.0		-129	+300	1918.044	584.173
759	0				5.2	-		-5.2		6503.0	TP	0	0	1918.173	583.875
760	321		271° 58'	" "	7.3	88° 40'	+7.5	+0.2		6508.4		+96	-306	1918.269	583.567
761	645		280° 20'	" "	7.8	88° 40'	+15.0	+7.2		6515.4		+281	-581	1918.454	583.292
762	974		281° 45'	" "	12.0	88° 04'	+32.8	+20.8		6529.0		+446	-866	1918.619	583.007
TP	1123		281° 52' 29"	" "	9.7	88° 36'	+29.4	+19.7			TP	+516	-997	1918.690	582.877
TP	1123				13.0	88° 20'	+32.6	+19.6		6527.8	TP	+1	+1		
	1111		130° 57' 48"	+15.5°	9.5	90° 40'	+12.9	+22.4	6550.2		BS	+926	-614		
	1111				12.8	90° 30'	+9.7	+22.5			BS	+1	+1		
Bm	1018		130° 45' 52"	" "	5.9	91° -	-17.8	-23.7		6526.5	Bm	-846	+565	1918.771	582.829
763	950		135° 29'	" "	8.7	90° 50'	-13.8	-22.5		6527.7		-831	+461	1918.786	582.725
764	636		142° 31'	" "	8.4	90° 50'	-9.2	-17.6		6532.6		-590	+238	1919.027	582.502
765	310		" "	" "	6.7	90° 50'	-4.5	-11.2		6539.0		-287	+116	1919.330	582.380
TP	0				5.2	-		-5.2		6545.0	TP	0	0	1919.617	582.264
766	86		226° 56'	+15.5°	5.3	90° 50'	-1.3	-6.6		6543.6		-40	-76	1919.577	582.188
767	401		254° 54'	" "	6.9	89° 10'	+5.8	-1.1		6549.1		+3	-401	1919.620	581.863
768	730		253° 29'	" "	5.0	89° 10'	+10.6	+5.6		6555.8		-13	-730	1919.604	581.534
769	1056		254° 58'	" "	10.4	88° 40'	+24.6	+14.2		6564.4		+9	-1056	1919.626	581.208
770	1379		257° 37' 17"	" "	8.3	88° 40'	+32.1	+23.8		6574.0	TP	+75	-1377	1919.693	580.888
770	1379				12.3	88° 30'	+36.1	+23.8			TP	+1	+1		

1918.750 x 582.825
u.s.g.s. Bm. Elev 6526
76 002 1975

OFF ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.29.83		B. Cotcamp		D. Winkle		6834		D W		4		75			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (ELY)		Ruby Lake S.E. - 7 1/2'		NEV.		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER- ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6574.0						
	522		98° 41' 40"	+15.5	9.7	92° -	+18.2	+22.9			BS	+214	-476		
	522				8.2	92° 10'	+19.7	+22.9	6601.9		BS	+1	+1		
771	206		84° 14'	" "	7.8	92° 30'	-9.0	-16.8		6585.1		-35	+203	1919.873	580.616
	π	0			5.2	-		-5.2		6596.7	π	0	0	1919.908	580.413
772	120		278° 40'	+15.5	8.0	92° 30'	-5.2	-13.2		6588.9		+49	-109	1919.957	580.304
773	443		266° 24'	" "	7.5	90° 20'	-2.6	-10.1		6591.8		+91	-433	1919.999	579.980
774	750		272° 39' 42"	" "	6.9	89° 30'	+6.5	-0.4		6601.5	TP	+234	-713	1920.143	579.701
774	750				4.7	89° 40'	+4.4	-0.3			TP	+1	+1		
	957		90° 35' 04" +180	" "	8.1	91° -	+16.7	+24.8			BS	+265	-919		
	957				5.3	91° 10'	+19.5	+24.8	6626.3		BS	+1	+1		
775	654		89° 41'	+15.5	9.0	91° 10'	-13.2	-22.2		6604.0		-171	+631	1920.238	579.414
776	330		93° 00'	" "	9.3	91° 10'	-6.7	-16.0		6610.3		-105	+313	1920.304	579.096
777	255		95° 29' 20"	" "	8.9	91° 10'	-5.2	-14.1		6612.2	TP	-91	+238	1920.318	579.021
777	0				5.2	-		-5.2		6621.1	π	0	0	1920.409	578.783
778	330		272° 27'	+15.5	9.2	86° 30'	+20.1	+10.9		6632.2		+102	-314	1920.511	578.469
779	660		272° 35'	" "	8.7	87° -	+34.5	+25.8		6652.1		+205	-627	1920.614	578.156
Bm	731		269° 55' 46"	" "	14.5	86° 30'	+44.5	+30.0		6656.3	TP	+194	-703	1920.604	578.081
Bm	731				13.2	86° 36'	+43.3	+30.1			TP	+1	+1		
	451		116° 49' 16"	" "	5.5	92° -	+15.7	+21.2			BS	+303	-333		
	451				4.2	92° 10'	+17.0	+21.2	6677.5		BS	+1	+1		

5-1920.600 - 578.080
 U.S.G.S. Bm Elev. 6656.0
 77 Por 1975

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
6.29.83		B. Cotcamp		D. Winkle		6834		DW		4		76				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA (GLY)		RUBY LAKE S.E. - 7 1/2'		NEVADA		White Pine								L.D. Davis		
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER- ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
780	179		107° 57'	+15.5°	1.9	94° 40'	-14.5	-16.4	6677.5	6661.1		-99	+149	1,920,809	577,898	
TP	0				5.2	-		-5.2		6672.3	TP	0	0	1,920,908	577,749	
781	151		265° 25'	" "	5.0	89° -	+2.6	-2.4		6675.1		+29	-148	1,920,937	577,601	
TP	332		262° 45' 49"	" "	3.5	88° -	+11.6	+8.1			TP	+48	-328	1,920,957	577,422	
TP	332				2.6	88° 10'	+10.6	+8.0		6685.5	TP	+	+			
	318		87° 33' 31" +180	" "	7.2	91° -	+5.5	+12.7	6698.2		BS	+72	-310			
	318				6.3	91° 10'	+6.5	+12.8			BS	+	+			
782	171		85° 40'	" "	4.2	91° 50'	-5.5	-9.7		6688.5		-33	+168	1,920,997	577,281	
TP	0				5.2	-		-5.2		6693.0	TP	0	0	1,921,030	577,113	outside corner.
783	162		297° 21'	+15.5°	6.4	88° -	+5.7	-0.7		6697.5		+111	-118	1,921,191	576,995	
TP	372		294° 27' 24"	" "	5.7	87° 40'	+15.1	+9.4		6707.6	TP	+239	-285	1,921,270	576,829	
TP	372				4.6	87° 50'	+14.1	+9.5			TP	+	+			
	180		110° 19' 16" +180	" "	6.9	93° 30'	+11.0	+17.9			BS	+105	-146			
	180				6.4	93° 40'	+11.5	+17.9	6725.5		BS	+	+			
784	65		117° 46'	" "	5.1	93° 30'	-4.0	-9.1		6716.4		-45	+47	1,921,331	576,731	
TP	0				5.2	-		-5.2		6720.3	TP	0	0	1,921,376	576,684	
785	266		317° 51'	+15.5°	5.8	88° -	+9.3	+3.5		6729.0		+238	-119	1,921,614	576,565	
TP	436		315° 19' 11"	" "	7.2	87° 40'	+17.7	+10.5		6736.0	TP	+380	-212	1,921,757	576,473	
TP	436				5.9	87° 50'	+16.5	+10.6			TP	+	+			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
6.29.83		B. Cotcamp		D. Wrinkle		6834		DW		4	77			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
NEVADA (ELY)		Ruby LAKE S.E. - 7 1/2'		NEV.		White Pine					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									6736.0					
	552		115° 51' 53" +180	+15.5'	7.0	88° 20'	-16.0	-9.0			BS	+365	-413	
	552				5.4	88° 30'	-14.4	-9.0	6722.0		BS	+	+	
786	389		115° 58'	" "	4.8	88° 30'	+10.2	+5.4		6732.4		-258	+291	1921.865 576.352
787	93		77° 33'	" "	5.5	90° 50'	-1.4	-6.9		6720.1		-5	+93	1922.118 576.154
TP	42		65° 53' 18"	" "	5.3	90° 50'	-0.6	-5.9		6721.1		+6	+42	1922.129 576.103
TP	0				5.2	-		-5.2		6721.8	TP	0	0	1922.123 576.061
788	232		246° 16'	+15.5°	5.3	87° 30'	+10.1	+4.8		6731.8		-57	-225	1922.066 575.836
TP	302		244° 29' 13"	" "	10.4	86° 10'	+20.1	+9.7		6736.7	TP	-52	-297	1922.072 575.765
TP	302				11.3	86°	+21.0	+9.7			TP	+	+	
	220		75° 43' 56"	" "	3.0	93° 20'	+12.8	+15.8			BS	+5	-220	
	220				2.4	93° 30'	+13.4	+15.8	6752.5		BS			
TP	0				5.2	-		-5.2		6747.3	TP	0	0	1922.077 575.545
789	37		221° 17'	+15.5°	5.4	89° 20'	+0.4	-5.0		6747.5		-20	-31	1922.057 575.514
TP	362		252° 26' 01"	" "	5.8	81° 20'	+16.8	+11.0		6763.5	TP	-13	-361	1922.064 575.184
TP	362				6.9	87° 10'	+17.9	+11.0			TP		+	
	220		47° 33' 28" +180	" "	6.2	92° 40'	+10.2	+16.4			BS	-100	-196	
	220				10.0	91° 40'	+6.4	+16.4	6779.9		BS		+	
790	211		60° 19'	" "	9.0	91° 40'	-6.1	-15.1		6764.8		+52	+205	1922.016 575.194
TP	0				5.2	-		-5.2		6774.7	TP	0	0	1921.964 574.989
791	118		238° 06'	" "	5.0	87° 20'	+5.5	+0.5		6780.4		-33	-113	1921.931 574.876

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6.29.83		B. Cotamp		D. Wrinkle		6834		DW		4	78						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
NEVADA (614)		RUBY LAKE S.F. - 7 1/2'		NEVADA		White Pine					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									6779.9								
792	442		244° 44' 06"	+15.5°	5.6	87° -	+23.1	+17.5		6797.4	TP	-75	-435	1,921,889	574,555		
792	442		" "	" "	8.2	86° 40'	+25.7	+17.5			TP		+1				
	509		40° 03' 08"	" "	10.9	92° 30'	+22.2	+33.1			BS	-288	-419				
	509		" "	" "	5.9	93° 04'	+22.2	+33.1	6830.5		BS		+1				
793	186		38° 36'	" "	6.6	92° 50'	-9.2	-15.8		6814.7		+109	+151	1,921,710	574,288		
X	0		" "	" "	5.2	-		-5.2		6825.3	X	0	0	1,921,601	574,137		
794	135		237° 27'	" "	4.3	86° -	+9.4	+5.1		6835.6		-40	-129	1,921,561	574,008		
795	465		236° 32'	" "	7.1	85° 20'	+36.4	+29.3		6859.8		-143	-442	1,921,458	573,695		
TP	690		236° 04' 53"	" "	12.8	85° 20'	+56.0	+43.2		6873.7	TP	-217	-652	1,921,384	573,486		
TP	690		" "	" "	10.7	85° 30'	+54.0	+43.3			TP		+1				
	153		70° 25' 12"	+15.5°	7.3	93° -	+8.0	+15.3			BS	-11	-152				
	153		" "	" "	6.8	93° 10'	+8.4	+15.2	6888.9		BS		+1				
796	44		69° 30'	" "	6.0	93° 30'	-2.7	-8.7		6880.2		+4	+44	1,921,377	573,379		
X	0		" "	" "	5.2	-		-5.2		6883.7	X	0	0	1,921,373	573,335		
Bm	56		326° 53' 47"	" "	1.7	84° 30'	+5.3	+3.6		6892.5	Bm	+53	-17	1,921,426	573,318	5-1921,400 X-573,305 U.S.G.S. Bm EL. 6892	
797	288		273° 33' 10"	" "	11.3	85° 10'	+24.2	+12.9		6901.8	TP	+94	-271	1,921,467	573,065	78 DEC 1965	
797	288		" "	" "	10.5	85° 20'	+23.4	+12.9			TP		+1				
	312		82° 10' 59"	" "	13.1	93° 30'	+19.0	+32.1			BS	+42	-309				
	312		" "	" "	12.2	93° 40'	+19.9	+32.1	6933.9		BS		+1				
798	0		" "	" "	5.2	-		-5.2		6928.7	X	0	0	1,921,509	572,757		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6.30.83		B. Cotcamp		D. Winkle		6834		D.W		4		79			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (ELY)		Ruby Lake S.E. -T ¹ / ₂		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6933.9						
799	330		238° 09'	+15.5°	7.7	85°	+28.7	+21.0		6954.9		-93	-317	1,921,416	572,440
TP	508		237° 32' 14"	" "	9.5	85°	+44.1	+34.6		6968.5	TP	-148	-484	1,921,361	572,274
TP	508				8.0	85° 10'	+42.7	+34.7			TP				
	158		92° 31' 52"	" "	7.7	94°	+11.0	+18.7	6987.2		BS	+49	-150		
	158				7.3	94° 10'	+11.5	+18.8			BS				
800	0				5.2	-		-5.2		6982.0	TP	0	0	1,921,410	572,125
801	300		234° 43' 29"	" "	11.9	83° 30'	+33.7	+21.8		7009.0	TP	+1	-298	1,921,411	571,828
801	300				11.1	83° 40'	+32.9	+21.8			TP				
	239		40° 03' 41"	" "	14.8	94°	+16.6	+31.4			BS	-135	-197		
	239				14.1	94° 10'	+17.3	+31.4	7040.4		BS				
TP	0				5.2	-		-5.2		7035.2	TP	0	0	1,921,276	571,632
802	91		187° 18'	+15.5°	9.5	85° 20'	+7.4	-2.1		7038.3		-84	-35	1,921,192	571,597
TP	257		206° 06' 24"	" "	9.3	83° 50'	+27.4	+18.1		7058.5	TP	-191	-170	1,921,085	571,463
TP	257				10.8	83° 30'	+28.9	+18.1			TP				
	248		67° 36' 50"	" "	12.1	94°	+17.3	+29.4			BS	-30	-246		
	248				11.4	94° 10'	+18.0	+29.4	7087.9		BS				
803	90		63° 39'	" "	6.0	94° 40'	-7.3	-13.3		7074.6		+17	+88	1,921,072	571,306
TP	0				5.2	-		-5.2		7082.7	TP	0	0	1,921,055	571,218
804	243		267° 47' 42"	" "	4.7	83° 50'	+26.0	+21.3			TP	+56	-235	1,921,111	570,984
804	243				5.4	83° 40'	+26.6	+21.2		7109.1	TP				

through 90' corner

outside corner

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
6-30-83		B. Cotnam		D. Winkle		6834		Dw		4		80			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (ELY)		Ruby LAKE S.E. - 7 1/2'		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER-ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
	277		52° 18' 18"	+15.5°	11.2	96° -	+28.8	+40.0		7109.1	BS	-104	-255		
	277			+	10.4	96° 16'	+29.6	+40.0	7149.1		BS		+		
TP	0				5.2	-		-5.2		7143.9	TP	0	0	1,921,007	570,730 OFF ROAD outside corner
805	132		317° 50'	""	9.1	86° 40'	+27	-1.4		7147.7		+118	-59	1,921,125	570,671
806	408		311° 31'	""	9.6	83° 20'	+47.0	+37.4		7186.5		+342	-222	1,921,349	570,508 around 90° corner
TP	401		298° 03' 46"	""	9.7	82° 30'	+51.9	+42.2			TP	+274	-288	1,921,281	570,442
TP	401				10.9	82° 20'	+53.0	+42.1		7191.2	TP				
	202		51° 57' 52"	+15.5°	13.1	-		+13.1	7204.3		BS	-77	-187		
	202			+	12.6	90° 10'	+0.6	+13.2			BS				
TP	0				5.2	-		-5.2		7199.1	TP	0	0	1,921,204	570,255
807	68		297° 07'	""	7.6	96° -	-7.1	-14.7		7189.6		+46	-50	1,921,250	570,205
TP	145		255° 00' 47"	""	10.0	96° 10'	-15.5	-25.5		7178.8	TP	+1	-144	1,921,205	570,111
TP	145				9.6	96° 20'	-15.9	-25.5			TP				
	511		24° 19' 21" +180	""	10.0	88° -	-17.8	-7.8	7171.0		BS	-392	-327		
	511			+	8.6	88° 10'	-16.3	-7.7			BS				
808	300		14° 20'	+15.5°	6.1	90° 20'	-1.7	-7.8		7163.2		+260	+149	1,921,073	569,933
TP	0				5.2	-		-5.2		7165.8	TP	0	0	1,920,813	569,784
809	30		191° 25'	""	5.3	88° 20'	+0.9	-4.4		7166.6		-27	-14	1,920,786	569,770
810	360		193° 05'	""	7.3	88° 20'	+10.5	+3.2		7174.2		-316	-172	1,920,497	569,612

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 6-30-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY Dw	LINE NO. 4	PAGE 81
AREA NEVADA (Cty)	TOPO MAP Ruby Lake S.E. - 7 1/2'	STATE NEVADA	COUNTY White Pine	TWP RANGE	PPM	PARTY MANAGER L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
									7171.0									
811	686		190° 09' 04"	+15.5	10.3	88° 10'	+21.9	+11.6		7182.6	TP	-618	-297	1,920,195	569,487			
811	686				12.3	88° 00'	+23.9	+11.6			TP							
	389		02° 29' 56"	~ +	6.1	91° -	+6.8	+12.9			BS	-370	-120					
	389				5.0	91° 10'	+7.9	+12.9	7195.5		BS							
812	60		355° 02'	~	5.8	91° -	-1.0	-6.8		7188.7		+59	+11	1,919,884	569,378			
π	0				5.2	-		-5.2		7190.3	π	0	0	1,919,825	569,367			
Bm	364		190° 02' 59"	+15.5	9.1	88° -	+12.7	+3.6		7199.1	Bm	-328	-157	1,919,497	569,210	U.S.G.S Bm Elev. 7199.0		
813	316		260° 09'	~	6.2	86° ~	+22.0	+15.8		7211.3		+31	-314	1,919,856	569,053	79 Dec 1965		
814	646		259° 47'	~	6.9	86° 30'	+39.4	+32.5		7228.0		+59	-643	1,919,884	568,724			
815	976		259° 19'	~	5.6	86° 30'	+59.5	+53.9		7249.4		+82	-973	1,919,907	568,394			
816	1303		260° 38' 35"	~	9.6	86° ~	+90.9	+81.3			TP	+139	-1292	1,919,764	568,075			
816	1303				9.5	274° -	+90.9	+81.4		7276.9	TP							
	313		39° 55' 19" +160	+15.5	12.0	95° -	+27.2	+39.2	7316.1		BS	-177	-257					
	313				11.0	95° 10'	+28.1	+39.1			BS							
817	0				5.2	-		-5.2		7310.9	π	0	0	1,919,787	567,818			
818	328		187° 45' 44"	~	10.4	86° 30'	+20.0	+9.6		7325.7	TP	-301	-129	1,919,486	567,689			
818	328				9.4	86° 40'	+19.0	+9.6			TP							
	443		345° 39' 48" -180	~	10.8	89° -	-7.7	+3.1			BS	-443	-9					
	443				9.5	89° 10'	-6.4	+3.1	7328.8		BS							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
6.30.83		B. Cotcamp		D. Wrinkle		6834		SW		4	82						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
NEVADA (ELY)		Ruby Lake S.E. - 7 1/2'		NEVADA		White Pine					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									7328.8								
819	119		336° 37'	+155°	5.2	89° -	+2.1	-3.1		7325.7		+118	-16	1919.161	567.664		
TP	0				5.2	-		-5.2		7323.6	TP	0	0	1919.043	567.680		
820	211		172° 53'	" "	6.2	91° 10'	-4.3	-10.5		7318.3		-209	-31	1918.834	567.649		
821	541		170° 51'	" "	6.0	91° 10'	-11.0	-12.0		7311.8		-538	-60	1918.505	567.620		
822	869		168° 45'	" "	8.2	-		-8.2		7320.6		-867	-64	1918.176	567.616		
TP	1149		168° 53' 10"	" "	4.6	-		-4.6		7324.2	TP	-1146	-88	1917.897	567.592		
TP	1149				10.3	TH	+5.7	-4.6			TP						
	1021		05° 13' 18"	+155°	7.3	-		+7.3			BS	-955	-361				
	1021				+12.4	TH	-5.1	+7.3	7331.5		BS						
823	972		04° 45'	" "	12.1	89° 46'	+4.0	-8.1		7323.4		+912	+336	1917.854	567.567		
824	660		11° 00'	" "	6.7	91° 10'	-13.4	-20.1		7311.4		+591	+294	1917.533	567.925		
825	330		12° 01'	" "	6.8	92° 40'	-15.3	-22.1		7309.4		+293	+152	1917.235	567.383		
826	0				5.2	-		-5.2		7326.3	TP	0	0	1916.942	567.231	NEAR READING	
827	326		226° 04'	+155°	8.1	86° 10'	+21.7	+13.6		7345.1		-155	-287	1916.787	566.944		
828	652		222° 39'	" "	6.2	86° -	+45.4	+39.2		7320.7		-344	-554	1916.598	566.677		
TP	838		223° 27' 42"	" "	6.9	86° -	+58.5	+51.6		7383.1	TP	-431	-716	1916.511	566.515		
TP	838				4.5	86° 10'	+56.0	+51.5			TP						
	803		48° 13' 30"	" "	5.3	-		+5.3			BS	-355	-720				
	803				+9.3	TH	-4.0	+5.3	7388.4		BS						
829	660		46° 15'	" "	8.1	89° 30'	+5.8	-2.3		7386.1		+312	+581	1916.468	566.376		

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
6.30.83		B. Cotcamp		D. Wrinkle		6834		DW SRS		4	83				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NEVADA (ELY)		RUBY LAKE S.E. - 7 1/2		NEVADA		White Pine					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									7388.4						
830	330		44° 14'	+15.5	6.7	89° 30'	+2.9	-3.8		7384.6		+166	+285	1916.322	566.080
Bm	316		86° 32' 57"	"	9.4	"	"	-9.4		7329.0	Bm	-66	+309	1,916.090	566.104
831	0			"	5.2	"	"	-5.2		7383.2	TP	0	0	1,916.156	565.795
832	327		215° 38'	"	5.7	91° 30'	-10.5	-16.2		7372.2		-205	-255	1,915.951	565.540
833	651		207° 23'	"	8.4	92° 20'	-26.5	-34.9		7353.5		-477	-443	1,915.679	565.352
TP	883		206° 44' 49"	"	12.6	92° 20'	-35.9	-48.5			TP	-653	-593	1,915.502	565.203
TP	883			"	10.1	92° 30'	-38.5	-48.6		7339.8	TP	-1	+1		
	519		58° 51' 13" +180	+15.5	5.3	87° -	-27.1	-21.8			BS	-140	-499		
	519			+	6.8	86° 50'	-28.6	-21.8	7318.0		BS	-1	+1		
834	411		58° 58'	"	6.5	86° 40'	+23.9	+17.4		7335.4		+110	+396	1,915.471	565.101
835	110		24° 27'	"	5.9	87° 40'	+0.6	-4.9		7313.1		+84	+71	1,915.445	564.776
TP	0			"	5.2	"	"	-5.2		7312.8	TP	0	0	1,915.361	564.705
836	307		294° 52'	+15.5	8.4	93° 30'	-18.7	-27.1		7290.9		+199	-234	1,915.560	564.471
837	627		290° 22'	"	7.1	93° 30'	-38.2	-45.3		7272.7		+367	-508	1,915.728	564.197
TP	909		289° 11' 05"	"	6.6	93° 20'	-52.8	-59.4		7258.6	TP	+516	-746	1,915.876	563.960
TP	909			"	9.3	93° 10'	-50.1	-59.4			TP	-1	+1		
	626		116° 22' 18"	"	8.9	86° -	-43.6	-34.7	7223.9		BS	+417	-465		
	626			+	10.8	85° 50'	-45.4	-34.6			BS	-1	+1		
838	572		114° 51'	"	13.8	85° 40'	+43.1	+29.3		7253.2		-370	+436	1,915.922	563.932
839	247		114° 03'	"	4.9	86° -	+12.2	+12.3		7236.2		-157	+190	1,916.135	563.686

1,916.090 x - 566.105
 U.S.G.S Bm EL. 7379.0
 80 DOR 1975 HORIZ 5 - +21'
 CORR. X - +37'

B.O.R. 7.5.83

OFF ROAD outside corner

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.5.83		B. Cotcamp		D. Wrinkle		6834		DW SJS		4		84			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Ruby Lake S.E. - 1/2'		NEVADA		White Pine									
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
									7223.9						
π	0		0		5.2	-		-5.2		7218.7	π	0	0	1,916,292	563,496
840	88		245° 12'	+15.5	6.5	93° 20'	-5.1	-11.6		7212.3		-14	-87	1,916,278	563,409
TP	378		245° 45' 24"	" "	11.5	93° 20'	-21.9	-33.4		7190.5	TP	-57	-323	1,916,234	563,124
TP	378				12.6	93° 16'	-20.8	-33.4			TP	-1	+1		
	354		48° 59' 50"	" "	6.0	86° 40'	-20.5	-14.5			BS	-152	-319		
	354				7.1	86° 30'	-21.6	-14.5	7176.0		BS	-1	+1		
841	319		48° 58'	" "	6.9	86° 40'	+18.5	+11.6		7187.6		+138	-288	1,916,219	562,518
π	0				5.2	-		-5.2		7170.8	π	0	0	1,916,081	562,806
842	52		317° 25'	+15.5	6.5	96° 26'	-5.7	-12.2		7163.8		+46	-24	1,916,127	562,782
843	36.0		273° 04'	" "	16.5	96° 10'	-32.3	-42.8		7133.2		+115	-341	1,916,196	562,465
TP	530		273° 26' 31"	" "	6.3	95° -	-46.0	-52.3		7123.7	TP	+171	-499	1,916,251	562,308
TP	530				4.8	95° 10'	-47.5	-52.3			TP	-1	+1		
	373		89° 04' 17"	" "	4.1	86° -	-26.0	-21.9	7101.8		BS	+94	-360		
	373				5.2	85° 50'	-27.0	-21.8			BS	-1	+1		
844	221		91° 06'	+15.5	6.2	86° 20'	+14.1	+7.9		7109.7		-63	+212	1,916,281	562,161
π	0				5.2	-		-5.2		7096.6	π	0	0	1,916,344	561,949
845	123		312° 26'	" "	7.2	96° 40'	-14.2	-21.4		7080.4		+104	-65	1,916,448	561,884
846	447		299° 37' 30"	" "	6.5	94° 50'	-37.5	-44.0			TP	+316	-314	1,916,660	561,836
846	447				5.3	95° -	-38.8	-44.1		7057.7	TP		+1		

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE 7-5-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Winkle	PARTY NUMBER 6834	NOTES CHECKED BY Dw SLS	LINE NO. 4	PAGE 85
AREA NEVADA	TOPO MAP Ruby Lake SE - 7 1/2	STATE NEVADA	COUNTY White Pine	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
										7057.7								
	401		109° 23' 43"	+15.5'	5.3	85° 20'	-32.5	-27.2			BS	+229	-328					
	401				4.2	85° 30'	-31.4	-27.2	7030.5		BS							
847	75		98° 31'	" "	4.5	87° 20'	+3.5	-1.0		7029.5		-31	+68	1,916,858	561,377			
X	0				5.2	-		-5.2		7025.3	X	0	0	1,916,889	561,309		Offline outside corner	
Bm	49		292° 52' 36"	" "	7.0	-		-7.0		7023.5	Bm	+30	-38	1,916,919	561,271		U.S.G.S Bm Elev 70230	
848	267		319° 01'	" "	5.4	93° 50'	-17.8	-23.2		7007.3		+241	-115	1,917,130	561,194		81 DOR 1965, 1,916,920 X 561,290	
TP	538		306° 13' 48"	" "	4.6	94° -	-37.4	-42.0			TP	+421	-332	1,917,310	560,978			
TP	538				6.2	93° 50'	-35.9	-42.1		6988.4	TP							
	428		116° 31' 27"	+15.5'	7.8	85° 30'	-33.5	-25.7			BS	+286	-317					
	428				6.5	85° 40'	-32.2	-25.7	6962.7		BS							
849	386		116° 35'	" "	7.5	85° 30'	+30.2	+22.7		6985.4		-259	+286	1,917,337	560,948			
850	71		82° 34'	" "	5.2	87° 40'	+2.9	-2.3		6960.4		-10	+70	1,917,586	560,732			
X	0				5.2	-		-5.2		6952.5	X	0	0	1,917,596	560,662		outside corner	
851	282		318° 42'	+15.5'	4.2	94° 10'	-20.4	-24.6		6938.1		+254	-123	1,917,850	560,539			
852	606		316° 31' 02"	" "	10.6	92° 50'	-29.9	-40.5			TP	+535	-284	1,918,131	560,379			
852	606				12.4	92° 40'	-28.2	-40.6		6922.1	TP							
	150		126° 23' 59"	" "	11.5	82° 40'	-19.0	-7.5			BS	+117	-92					
	150				11.0	82° 50'	-18.6	-7.6	6914.5		BS							
X	0				5.2	-		-5.2		6909.3	X	0	0	1,918,248	560,288			
853	183		319° 02'	" "	5.8	93° -	-9.6	-15.4		6899.1		+165	-79	1,918,413	560,209			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.5.83		B. Cotcamp		D. Wrinkle		6834		DW SRS		4		86			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (ELY)		Ruby Lake S.E. - 7 1/2		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6914.5						
TP	289		317° 00' 17"	+15.5	11.8	93° -	-15.1	-26.9			TP	+256	-133	1,918,504	560,156
TP	289		0° 1' 4"		12.7	92° 50'	-14.3	-27.0		6887.5	TP		+1		
	124		133° 01' 00"	u +	4.8	87° 20'	-5.8	-1.0		6886.5	BS	+106	-65		
	124			+	4.5	87° 30'	-5.4	-0.9			BS		+1		
X	0				5.2	-		-5.2		6881.3	X	0	0	1,918,610	560,092
854	104		334° 21'	u u	4.9	94° -	-7.2	-12.1		6874.4		+102	-18	1,918,712	560,074
855	432		327° 21' 01"	u u	12.9	92° 40'	-20.1	-33.0		6853.5	TP	+412	-127	1,919,022	559,966
855	432				11.7	92° 50'	-21.3	-33.0			TP		+1		
	297		151° 47' 16"	+15.5	5.1	86° 30'	-18.1	-13.0			BS	+289	-65		
	297			+	4.7	86° 34'	-17.8	-13.1		6840.4	BS		+1		
X	0				5.2	-		-5.2		6835.2	X	0	0	1,919,311	559,902
856	27		297° 00'	u u	5.1	92° 40'	-1.3	-6.4		6834.0		+18	-20	1,919,329	559,882
TP	364		295° 46' 47"	u -	14.5	90° 40'	-4.2	-18.7			TP	+240	-274	1,919,551	559,629
TP	364				13.5	90° 50'	-5.3	-18.8		6821.6	TP		+1		
	780		16° 21' 34" +180	u +	2.9	87° -	-40.8	-37.9		6783.7	BS	-662	-411		
	780			+	5.2	86° 50'	-43.0	-37.8			BS		+1		
857	718		17° 57'	+15.5	10.4	86° 50'	+39.6	+29.2		6812.9		+599	+396	1,919,488	559,615
858	388		14° 37'	u u	5.0	87° 40'	+15.8	+10.8		6794.5		+336	+195	1,919,225	559,414
859	59		04° 45'	u u	6.5	92° 40'	-2.7	-9.2		6774.5		+55	+20	1,918,944	559,239
X	0				5.2	-		-5.2		6778.5	X	0	0	1,918,889	559,219 OFFLINE outside

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 7.5.83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY DW SRS	LINE NO. 4	PAGE 87
AREA NEVADA (EX)	TOPO MAP STATION Butte - 7 1/2'	STATE NEV.	COUNTY White Pine	TWP	RANGE	PPM
					PARTY MANAGER L.D. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									6783.7										
860	291		239° 44'	+15.5	11.1	93° -	-15.2	-26.3		6757.4		-74	-281	1918,815	558,938				
TP	565		241° 47' 12"	"	6.2	94° -	-39.3	-45.5		6738.2	TP	-124	-550	1918,765	558,670				
TP	565				7.8	93° 50'	-37.7	-45.5			TP		+1						
	552		96° 16' 27"	" +	10.1	87° -	-28.8	-18.7			BS	+204	-512						E.D.M. TO 895
	552			+	8.5	87° 10'	-27.3	-18.8	6719.4		BS		+1						↑
861	500		96° 04'	" -	9.6	87° 10'	+24.7	+15.1		6734.5		-184	+465	1918,785	558,624				RUBY LAKE S.E. - 7 1/2'
862	173		160° 06'	" -	2.9	-	-	-2.9		6716.5		-75	+156	1918,894	558,315				STATION Butte - 7 1/2'
TP	0				5.2	-	-	-5.2		6714.2	TP	0	0	1918,969	558,159				OFFLINE outside corner
863	179		322° 21'	+15.5	4.9	94° -	-12.5	-17.4		6702.0		+166	-67	1919,135	558,092				⚡
864	504		320° 08'	" "	10.3	93° 30'	-30.7	-41.0		6678.4		+459	-208	1919,428	557,951				
TP	594		315° 26' 35"	" -	12.6	93° -	-31.0	-43.6			Bm	+519	-288	1919,488	557,872				u.s. 6.5 Am Elev. 4675.0
TP	594				10.9	93° 10'	-32.8	-43.7		6675.7	Bm		+1						82 per 1965 + 557,880
	414		150° 10' 54"	" +	3.1	88° 20'	-12.0	-8.9	6666.8		BS	+401	-102						
	414			+	4.3	88° 10'	-13.2	-8.9			BS		+1						
865	168		151° 16'	" -	10.1	88° 10'	+5.4	-4.7		6662.1		-164	+38	1919,725	557,809				
TP	0				5.2	-	-	-5.2		6661.6	TP	0	0	1919,889	557,771				OFFLINE
866	176		293° 06'	+15.5	7.3	94° 40'	-14.3	-21.6		6645.2		+110	-138	1919,999	557,633				
867	500		289° 40'	" "	6.3	93° 50'	-33.4	-39.7		6627.1		+288	-409	1920,177	557,362				
TP	524		288° 14' 18"	" "	11.0	93° 20'	-30.5	-41.5		6625.3	TP	+291	-435	1920,180	557,337				
TP	524				14.1	93° -	-27.4	-41.5			TP		+1						

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-6-83		B. Cotcamp		D. Winkle		6834		S.S. B.C.		4	88					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
NEVADA (ELY)		STATION Butte - 7 1/2	NEVADA	White Pine					L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
										6625.3						
	628		112° 30' 06"	+15.5	14.1	86°	-43.8	-29.7	6595.6		BS	+386	-494			
	628				12.3	86° 10'	-42.0	-29.7			BS					
868	329		118° 30'	"	6.6	87°	+17.2	+10.6		6606.2		-229	+237	1,920,337	557,080	
869	0				5.2	-		-5.2		6590.4	TP	0	0	1,920,566	556,843	
870	326		305° 39'	"	7.7	93°	-17.0	-24.7		6570.9		+254	-204	1,920,820	556,639	
871	651		309° 37'	"	7.1	93°	-34.0	-41.1		6554.5		+534	-372	1,921,100	556,471	
872	960		302° 06' 11"	"	10.4	92° 50'	-47.5	-57.9		6537.7	TP	+708	-647	1,921,274	556,196	
872	960				13.2	92° 40'	-44.7	-57.9			TP					
	865		101° 02' 47"	+15.5	11.5	86° 50'	-47.8	-36.3	6501.4		BS	+386	-773			
	865				14.0	86° 40'	-50.3	-36.3			BS					
873	536		100° 58'	"	8.1	87°	+28.0	+19.9		6521.3		-239	+480	1,921,421	555,903	
874	207		100° 08'	"	8.0	87°	+10.8	+2.8		6504.2		-90	+187	1,921,570	555,610	
	TP				5.2	-		-5.2		6496.2	TP	0	0	1,921,660	555,423	
875	121		267° 28'	"	5.8	92°	-4.2	-10.0		6491.4		+27	-118	1,921,687	555,305	
876	448		272° 00'	"	9.1	92° 40'	-20.8	-29.9		6471.5		+135	-427	1,921,795	554,996	
877	776		270° 45'	+15.5	8.0	92° 10'	-29.3	-37.3		6464.1		+217	-745	1,921,877	554,678	
878	1102		268° 53'	"	5.1	92°	-38.4	-43.5		6457.9		+274	-1067	1,921,934	554,356	
879	1430		267° 10' 28"	"	11.2	91° 40'	-41.6	-52.8		6448.6	TP	+314	-1395	1,921,974	554,028	
879	1430				9.5	91° 44'	-43.3	-52.8			TP					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.6.83		B. Cotcamp		D. Wrinkle		6834		B.C.S.S.		4		89			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (ELY)		STATION BUTTE - 1/2'		NEV.		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										6448.6					
	2627		88° 09' 29"	+15.5	5.4	86° 50'	-145.1	-139.7	6308.9		BS	+619	-2549		
	2627				5.1	273' 10"	-145.1	-140.0			BS	-3			
880	2299		87° 57'	" "	11.8	86° 40'	+133.5	+121.7		6430.6		-535	+2296	1922,055 553,715	
881	1973		87° 48'	" "	7.8	87° 06'	+99.7	+91.9		6400.8		-454	+1920	1922,136 553,399	
BM	1850		89° 52' 39"	" "	14.2	87° -	+96.8	+82.6		6391.5	BM	-490	+1781	1922,100 553,260 S = 1922,100 X = 553,260 U.S.G.S. 83 DOR RESER HORIZ Y = -8' 6372.0 CORR. X = +25'	
882	1647		89° 13'	" "	7.8	87° -	+86.1	+78.3		6387.2		-418	+1593	1922,172 553,072	
883	1317		89° 00'	+15.5	9.2	87° -	+68.8	+59.6		6368.5		-330	+1275	1922,260 552,754	
IF	1094		90° 05' 42"	" "	9.6	87° -	+57.2	+47.6		6356.5		-294	+1052	1922,296 552,531 IF Y = 1922,300 X = 552,540 T = Rd. South	
884	987		89° 54'	" "	9.1	87° -	+51.6	+42.5		6351.4		-262	+952	1922,328 552,431	
885	659		88° 05'	" "	9.8	87° -	+34.4	+24.6		6333.5		-155	+641	1922,435 552,120	
886	330		86° 16'	" "	6.9	87° -	+17.2	+10.3		6319.2		-67	+323	1922,523 551,802	
887	0				5.2	-		-5.2		6303.7	T	0	0	1922,590 551,479	
888	330		264° 33'	+15.5	5.0	92° -	-11.5	-16.5		6292.4		+58	-325	1922,648 551,154	
889	659		265° 46'	" "	6.7	92° -	-23.0	-29.7		6279.2		+128	-647	1922,718 550,832	
890	988		264° 12'	" "	6.6	92° -	-34.5	-41.1		6267.8		+166	-974	1922,756 550,505	
891	1318		264° 12'	" "	6.7	92° -	-46.0	-52.7		6256.2		+222	-1299	1922,812 550,180	
892	1648		263° 54'	" "	7.3	92° -	-57.5	-64.8		6244.1		+269	-1626	1922,859 549,853	
893	1978		264° 01'	" "	7.0	92° -	-69.0	-76.0		6232.9		+327	-1951	1922,917 549,528	
894	2308		263° 54'	" "	7.2	92° -	-80.5	-87.7		6221.2		+377	-2277	1922,967 549,202	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.6.83		B. Cotcamp		D. Wrinkle		6834		DW		4		90			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (ELY)		STATION Butte - 7 1/2'		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
895	2639		263° 50' 41"	+15.5	6.5	92° -	-92.1	-98.6	6308.9	6210.4	TP	+428	-2602	1923.023	548,884
895	2639				6.2	268° -	-92.1	-98.3			TP	+5	+7		
	3298		87° 36' 11"	" "	9.8	88° 20'	-95.9	-86.1			BS	+747	-3211		
	3298				9.7	271° 40'	-95.9	-86.2	6124.2		BS	+5	+7		
896	2967		87° 46'	+15.5	10.9	88° 20'	+86.3	+75.4		6199.6		-681	+2888	1923.094	548,568
897	2638		87° 57'	" "	12.4	88° 20'	+76.7	+64.3		6188.5		-614	+2566	1923.161	548,246
898	2310		88° 07'	" "	7.1	88° 30'	+60.5	+53.4		6177.6		-544	+2245	1923.231	547,925
899	1980		88° 26'	" "	7.7	88° 30'	+51.8	+44.1		6168.3		-427	+1922	1923.298	547,602
Bm	1756		89° 59' 12"	" "	7.3	88° 30'	+46.0	+38.7		6162.9	Bm	-469	+1692	1923.306	547,372
900	1650		88° 24'	+15.5	7.9	88° 30'	+43.2	+35.3		6159.5		-396	+1602	1923.379	547,282
901	1320		88° 34'	" "	7.8	88° 30'	+34.5	+26.7		6150.9		-321	+1280	1923.454	546,960
902	990		88° 06'	" "	7.6	88° 30'	+25.9	+18.3		6142.5		-233	+962	1923.542	546,642
903	660		88° 24'	" "	6.3	88° 30'	+17.3	+11.0		6135.2		-159	+641	1923.616	546,321
904	336		87° 19'	" "	6.2	88° 30'	+8.6	+2.4		6126.6		-73	+322	1923.702	546,002
905	0				5.2	-	-	-5.2		6119.0	T	0	0	1923.775	545,680
906	328		271° 59'	+15.5	6.3	91° -	-5.7	-12.0		6112.2		+99	-313	1923.874	545,367
907	656		268° 57'	" "	7.9	91° -	-11.4	-19.3		6104.9		+164	-635	1923.939	545,045
908	985		267° 27'	" "	5.6	91° -	-17.2	-22.8		6101.4		+221	-960	1923.996	544,720
909	1315		268° 18'	" "	9.9	90° 40'	-15.3	-25.2		6099.0		+314	-1277	1924.089	544,403
910	1644		268° 12'	" "	8.2	90° 40'	-19.1	-27.3		6096.9		+389	-1597	1924.164	544,083

U.S.G.S. 2100.6163 1985
 1923.298 x 547.375
 1923.306 x 547.372

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 7-7-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY DW	LINE NO. 4	PAGE 91	
AREA NEVADA	TOPO MAP STATION Butte - 1/2'	STATE NEVADA	COUNTY White Pine	TWP	RANGE	PPM	PARTY MANAGER L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6124.2						
911	1966		268° 15'	+15.5°	7.0	90° 40'	-22.9	-29.9		6094.3		+467	-1910	1,924,242	543,770
912	2295		267° 46'	" "	10.2	90° 30'	-20.0	-30.2		6094.0		+527	-2234	1,924,302	543,446
913	2617		268° 37'	" "	8.3	90° 30'	-22.8	-31.1		6093.1		+638	-2538	1,924,413	543,142
914	2671		268° 27' 46"	" "	7.5	90° 30'	-23.3	-30.8		6093.4	Y	+644	-2592	1,924,419	543,088
914	2947		268° 31'	" "	5.9	90° 30'	-25.7	-31.6		6092.6		+714	-2859	1,924,489	542,821
915	3271		268° 36' 58"	+15.7°	9.9	90° 24'	-22.9	-32.8	327	6091.5	TP	+810	-3175	1,924,590	542,512
915	3277			" "	9.7	269° 36'	-22.9	-32.6			TP	+5	+7		
	3291		89° 15' 14"	" "	11.8	TH	-16.5	-4.7	499		BS	+849	-3180		
	3291			" "	11.5	TH 270	-16.5	-5.0	6086.6		BS	+5	+7		
916	2961		89° 14'	+15.7°	10.0	89° 44'	+13.8	+3.8		6090.4		-763	+286.1	1,924,681	542,200
917	2631		89° 26'	" "	9.0	89° 44'	+12.2	+3.2		6089.8		-687	+2540	1,924,757	541,879
Bm	2365		90° 18' 34"	" "	9.3	89° 40'	+13.8	+4.5		6091.1	Bm	-652	+2273	1,924,792	541,612
918	2301		89° 00'	" "	10.2	89° 40'	+13.4	+3.2		6089.8		-584	+2226	1,924,860	541,565
919	1974		87° 52'	" "	10.9	89° 40'	+11.5	+0.6		6087.2		-463	+1919	1,924,981	541,258
920	1648		89° 04'	+15.7°	9.3	89° 40'	+9.6	+0.3		6086.9		-420	+1594	1,925,024	540,933
921	1318		89° 38'	" "	7.8	89° 40'	+7.7	-0.1		6086.5		-349	+1271	1,925,095	540,610
922	988		89° 49'	" "	6.7	89° 40'	+5.8	-0.9		6085.7		-264	+952	1,925,180	540,291
923	658		89° 32'	" "	5.7	89° 40'	+3.8	-1.9		6084.7		-173	+635	1,925,271	539,974
924	330		85° 22'	" "	6.3	89° 40'	+1.9	-4.4		6082.2		-63	+324	1,925,381	539,663
925	0				5.2	-		-5.2		6081.4	X	0	0	1,925,444	539,339

y = -1,924,465 x = 543,105

U.S.G.S. 2102 1041
1968 8500 R
y = 1,924,770 x = 541,615

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7.7.83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY JD	LINE NO. 4	PAGE 92
AREA NEVADA	TOPO MAP STATION Butte - 1/2'	STATE NEVADA	COUNTY White Pine	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									6086.6							
926	328		272° 39'	+15.7°	7.3	89° 40'	+1.9	-5.4		6081.2		+103	-311	1,925,547	539,028	
927	657		274° 58'	"	8.7	-		-8.7		6077.9		+232	-615	1,925,676	538,724	
928	987		275° 05'	"	9.3	-		-9.3		6077.3		+350	-923	1,925,794	538,416	
929	1317		275° 00'	"	9.0	-		-9.0		6077.6		+466	-1232	1,925,910	538,107	
7/1	1385		274° 37' 02"	"	10.2	-		-10.2			TP	+481	-1299	1,925,931	538,047	TP 5-1925,900 X-538,000 Elev. 6076
7/1	1385				6.3	90° 10'	-4.0	-10.3		6076.3	TP	+6	+7			
	3559		90° 53' 26"	+15.8°	12.1	TH	-17.8	-5.7	-5.9		BS	+1022	-3409			
	3559			+11.8°	TH	270°	-17.8	-6.0	6070.4		BS	+7	+7			
930	3295		90° 34'	"	7.7	89° 50'	+9.6	-1.9		6068.5		-928	+3161	1,926,032	537,806	
931	2966		90° 14'	"	5.9	89° 50'	+8.6	+2.7		6073.1		-819	+2851	1,926,141	537,496	
932	2636		89° 52'	"	5.4	89° 50'	+7.7	+2.3		6072.7		-712	+2538	1,926,248	537,183	
933	2306		89° 33'	"	6.8	89° 50'	+6.7	-0.1		6070.3		-610	+2224	1,926,350	536,869	
934	1976		89° 17'	"	8.1	89° 50'	+5.8	-2.3		6068.1		-514	+1908	1,926,446	536,553	
Bm	1732		90° 40' 29"	+15.8°	7.1	89° 50'	+5.0	-2.1		6068.3	Bm	-491	+1661	1,926,469	536,306	1-1926,469 X-536,307 8624R 765 6068.80 HORIZ. 3-3 CORR. X-745
935	1647		88° 41'	"	8.3	89° 50'	+4.8	-3.5		6066.9		-412	+1595	1,926,548	536,240	
936	1317		88° 52'	"	9.7	89° 50'	+3.8	-5.9		6064.5		-333	+1274	1,926,627	535,919	
937	988		87° 28'	"	9.4	89° 50'	+2.9	-6.5		6063.9		-227	+962	1,926,733	535,607	
938	660		85° 45'	"	9.1	89° 50'	+1.9	-7.2		6063.2		-132	+647	1,926,828	535,292	
939	330		85° 12'	"	9.3	89° 50'	+1.0	-8.3		6062.1		-63	+324	1,926,897	534,969	
940	0				5.2	-		-5.2		6065.2	T	0	0	1,926,960	534,645	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 7-11-83	INSTRUMENT MAN B. Potcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY DW	LINE NO. 4	PAGE 93	
AREA NEVADA (ELY)	TOPO MAP STATION Butte - 7 1/2'	STATE NEVADA	COUNTY White Pine	TWP	RANGE	PPM	PARTY MANAGER L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									6070.4							
941	330		266° 07'	+15.8	10.0	90° 10'	-1.0	-11.0		6059.4		+68	-323	1927,028	534,322	
942	660		265° 41'	" "	9.8	90° 10'	-1.9	-11.7		6058.7		+131	-647	1927,091	533,998	
943	990		265° 19'	" "	8.1	90° 10'	-2.9	-11.0		6059.4		+191	-971	1927,151	533,674	
944	1318		264° 45'	" "	8.0	90° 10'	-3.8	-11.8		6058.6		+241	-1296	1927,201	533,349	
945	1647		263° 37'	" "	8.4	90° 10'	-4.8	-13.2		6057.2		+269	-1625	1927,229	533,020	
946	1977		263° 50'	+15.8	10.2	90° 10'	-5.8	-16.0		6054.4		+331	-1949	1927,291	532,696	
947	2307		" "	" "	9.7	90° 10'	-6.7	-16.4		6054.0		+386	-2274	1927,346	532,371	
948	2637		263° 53'	" "	10.0	90° 10'	-7.7	-17.7		6052.7		+444	-2599	1927,404	532,046	
949	2967		263° 45'	" "	10.1	90° 10'	-8.6	-18.7		6051.7		+492	-2926	1927,452	531,719	
950	3297		263° 23' 49"	" "	10.6	90° 10'	-9.6	-20.2	2013	6050.3	TP	+527	-3255	1927,488	531,391	
950	3297				10.3	269° 50'	-9.6	-19.9			TP	"	"			
	2634		83° 17' 55"	+15.8	6.2	TH	-13.2	-7.0			BS	+417	-2601			
	2634				12.8	89° 34'	-19.9	-7.1	6043.2		BS	"	"			
951	2304		83° 07'	" "	9.3	89° 40'	+13.4	+4.1		6047.3		-357	+2276	1927,549	531,067	
952	1974		82° 53'	" "	9.8	89° 40'	+11.5	+1.7		6044.9		-298	+1951	1927,608	530,742	
Bm	1971		84° 16' 42"	" "	8.0	89° 40'	+11.5	+3.5		6046.7	Bm	-345	+1941	1927,561	530,732	USGS 700R 1965 6046 4-1927,595 X-530,705
953	1647		81° 27'	" "	10.0	89° 40'	+9.6	-0.4		6042.8		-208	+1634	1927,698	530,425	
954	1318		80° 38'	" "	10.7	89° 40'	+7.7	-3.0		6040.2		-148	+1310	1927,758	530,101	
955	988		80° 00'	" "	10.1	89° 40'	+5.8	-4.3		6038.9		-100	+983	1927,806	529,774	
956	659		79° 08'	" "	8.8	89° 40'	+3.8	-5.0		6038.2		-57	+657	1927,849	529,448	

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 7-11-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Winkle	PARTY NUMBER 6834	NOTES CHECKED BY DW	LINE NO. 4	PAGE 94	
AREA NEVADA (ELY)	TOPO MAP STATION Butte - 7 1/2'	STATE NEVADA	COUNTY White Pine	TWP	RANGE	PPM	PARTY MANAGER L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									6043.2							
957	330		78° 29'	+15.8°	7.1	89° 40'	+1.9	-5.2		6038.0		-25	+329	1927881	529,120	
958	0				5.2	-		-5.2		6038.0	T	0	0	1927906	528,791	
959	330		269° 21'	"	6.9	89° 40'	+1.9	-5.0		6038.2		+86	-319	1927992	528,472	
960	659		265° 15'	"	9.4	89° 40'	+3.8	-5.6		6037.6		+126	-647	1928032	528,144	
961	988		263° 36'	"	6.5	-		-6.5		6036.7		+161	-925	1928067	527,816	
962	1318		263° 50'	"	7.0	-		-7.0		6036.2		+221	-1299	1928127	527,492	
963	1645		265° 25'	"	7.9	-		-7.9		6035.3		+320	-1614	1928226	527,177	
964	1974		266° 30'	"	8.8	-		-8.8		6034.4		+421	-1929	1928327	526,862	
965	2303		266° 58'	"	9.2	-		-9.2		6034.0		+509	-2246	1928415	526,545	
966	2633		266° 45 05"	"	9.2	-		-9.2	-9.1	6034.1	TP	+572	-2571	1928479	526,221	
966	2633				13.6	89° 54'	+4.6	-9.0			TP	+1	+1			
	1259		32° 57 16"	+15.8°	9.7	-		+9.7			BS	-830	-947			
	1259				6.0	90° 10'	+3.7	+9.7	6043.8		BS	+1	+1			
≡	1244		32° 27 10"	"	9.8	-		-9.8		6034.0	≡	+828	+928	1928478	526,203	y = 1928,495 x = 526,250 SSY-INTER.
967	1051		20° 14'	"	9.1	90° 10'	-3.1	-12.2		6031.6		+850	+618	1928500	525,893	
968	936		02° 21'	"	10.0	90° 20'	-5.4	-15.4		6028.4		+889	+292	1928539	525,567	2576 OFFSET SOUTH between 968 + 969
IF	898		346° 37 23"	"	11.1	90° 20'	-5.2	-16.3		6027.5	IF	+897	+38	1928547	525,313	IF T. ROAD SOUTH y = 1,928,595 x = 525,280
T	0				5.2	-		-5.2		6038.6	T	0	0	1927650	525,275	
IF	1698		167° 07 15"	"	9.0	88° 30'	+44.4	+35.4		6079.2	IF	-1695	-86	1925955	525,189	IF y-Inter. y = 1,923,985 x = 525,195

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-11-83		B. Cotcamp		D. Wrinkle		6834		D.W.		4		95			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (64)		STATION Butte - 7 1/2		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6043.8						
969	1745		171° 24' 40"	+15.8	9.5	88° 30'	+45.7	+36.2		6080.0	TP	-1731	-219	1925,919	525,057
969	1745				14.5	88° 20'	+50.8	+36.3			TP		+		
	2582		73° 52' 01"	" "	6.7	-		+6.7	6086.7		OS	-15	-2582		
	2582				14.1	89° 50'	-7.5	+6.6			BS		+		
970	2261		75° 32'	+15.8	10.3	89° 50'	+6.6	-3.7		6083.0		-53	+2260	1925,851	524,736
✓	2086		77° 34' 23"	" "	8.0	89° 50'	+6.1	-1.9		6084.8	✓	-123	+2082	1925,781	524,558
971	1956		76° 06'	" "	10.6	89° 50'	+5.7	-4.9		6081.8		-65	+1955	1925,839	524,431
972	1645		72° 41'	" "	10.0	-		-10.0		6076.7		+44	+1644	1925,948	524,120
973	1318		71° 15'	" "	12.6	-		-12.6		6074.1		+68	+1316	1925,972	523,792
974	988		70° 02'	" "	10.0	-		-10.0		6076.7		+72	+985	1925,974	523,461
975	660		" "	" "	8.4	-		-8.4		6078.3		+48	+658	1925,952	523,134
976	330		68° 45'	" "	9.1	-		-9.1		6077.6		-81	+329	1925,823	522,805
977	0				5.2	-		-5.2		6081.5	π	0	0	1925,904	522,476
978	330		247° 40'	+15.8	8.3	89° 10'	+4.8	-3.5		6083.2		-38	-328	1925,866	522,148
Bm	397		241° 41' 36"	" "	6.2	89° 10'	+5.8	-0.4		6086.3	Bm	-86	-388	1925,818	522,088
979	660		248° 05'	" "	9.7	89° 10'	+9.6	-0.1		6086.6		-70	-656	1925,834	521,820
980	990		247° 39'	" "	10.9	89° 10'	+14.4	+3.5		6090.2		-113	-984	1925,791	521,492
981	1320		247° 06'	" "	9.7	89° 20'	+15.4	+5.7		6092.4		-163	-1310	1925,741	521,166
982	1649		247° 23'	" "	10.7	89° 20'	+19.2	+8.5		6095.2		-196	-1637	1925,708	520,839
983	1978		246° 53'	" "	8.1	89° 20'	+23.0	+14.9		6101.6		-252	-1962	1925,652	520,514

USGS 1965 6085
89 20 R

1925,795 x - 524,600
y - INTER.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 7-11-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinkle	PARTY NUMBER 6834	NOTES CHECKED BY DW	LINE NO. 4	PAGE 96
AREA NEVADA (ELY)	TOPO MAP SHERMAN mtn.-15	STATE NEVADA	COUNTY White Pine	TWP	RANGE DW	PPM AD
				PARTY MANAGER L. O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									6086.7					
984	2308		246° 34'	+15.8°	11.2	89° 10'	+33.6	+22.4		6109.1		-307	-2288	1925,597 520,188
985	2638		246° 14 42"	" "	9.9	89° 10'	+38.4	+28.5	+287	6115.4	TP	-365	-2612	1925,589 519,865
985	2638				9.6	270° 50'	+38.4	+28.8			TP		+1	
	1980		65° 19' 28"	+15.8°	14.2	91° -	+34.6	+48.8		6164.2	BS	-305	-1956	
	1980				9.7	91° 08'	+39.2	+48.9			BS		+1	
986	1650		65° 44'	+15.8°	9.2	91° 10'	-33.6	-42.8		6121.4		+243	+1632	1925,477 519,542
987	1320		65° 54'	" "	8.8	91° 10'	-26.9	-35.7		6128.5		+191	+1306	1925,425 519,216
#	1186		66° 03' 34"	" "	8.9	91° 10'	-24.1	-33.0		6131.2	#	+168	+1174	1925,402 519,084 # 4 way inter.
988	990		65° 54'	" "	9.3	91° 10'	-20.2	-29.5		6134.7		+143	+980	1925,327 518,890
989	660		" "	" "	9.2	91° 10'	-13.4	-22.6		6141.6		+95	+653	1925,329 518,563
990	330		" "	" "	5.7	91° 10'	-6.7	-12.4		6151.8		+48	+327	1925,282 518,237
991	0				5.2	-		-5.2		6159.0	X	0	0	1925,234 517,910
992	329		241° 51'	+15.8°	6.8	89° 40'	+1.9	-4.9		6159.3		-70	-321	1925,164 517,589
993	657		239° 03'	" "	9.3	89° 10'	+9.6	+0.3		6164.5		-172	-634	1925,062 517,276
994	987		238° 17'	" "	5.4	89° 10'	+14.4	+9.0		6173.2		-271	-949	1924,963 516,961
995	1317		237° 25'	" "	9.1	88° 40'	+30.6	+21.5		6185.7		-380	-1261	1924,854 516,649
996	1646		236° 31'	" "	8.9	88° 40'	+38.3	+29.4		6193.6		-500	-1568	1924,734 516,342
#	1774		236° 12' 24"	" "	7.1	88° 40'	+41.3	+34.2		6198.4	#	-548	-1687	1924,686 516,223 # 4 way inter.
997	1976		236° 16' 13"	" "	7.2	88° 40'	+46.0	+38.8		6203.0	TP	-668	-1880	1924,626 516,031
997	1976				12.8	88° 30'	+51.7	+38.9			TP		+1	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.11.83		B. Cotcamp		D. Wrinkle		6834		Dw		4		97			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (ELY)		SHERMAN mtn. -15		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y
										6203.0					
	1319		51° 54' 56"	+15.8	7.8	91° -	+23.0	+30.8			BS	-500	-1220		
	1319				11.6	90° 50'	+19.2	+30.8	6233.8		BS				
998	990		51° 55'	" "	9.4	91° -	-12.3	-26.7		6207.1		+325	+916	1924,501 515,728	
999	660		" "	" "	9.9	91° -	-11.5	-21.4		6212.4		+250	+611	1924,376 515,423	
1000	330		" "	" "	8.6	91° -	-5.8	-14.4		6219.4		+125	+305	1924,251 515,117	
1001	0				5.2	-		-5.2		6228.6	X	0	0	1924,126 514,812	
1002	330		225° 25'	+15.8	8.1	87° 20'	+15.3	+7.2		6241.0		-159	-289	1923,967 514,523	
1003	660		" "	" "	9.5	87° 20'	+30.7	+21.2		6255.0		-318	-578	1923,808 514,234	
1004	990		225° 39'	" "	9.0	87° 20'	+46.0	+37.0		6270.8		-473	-970	1923,653 513,942	
IF	1023		225° 28' 12"	" "	12.8	87° 06'	+51.7	+38.9		6272.7	IF	-491	-896	1923,635 513,916	
1005	1320		225° 27' 39"	" "	13.7	87° 06'	+66.8	+53.1		6286.9	TP	-634	-1156	1923,492 513,657	
1005.	1320				14.5	87° 04'	+67.6	+53.1			TP				
	487		22° 30' 25"	+15.8	12.6	91° 40'	+14.2	+26.8			BS	-382	-302	STADIA	
	487				11.2	91° 50'	+15.6	+26.8	6313.7		BS				
1006	181		13° 18'	" "	7.7	91° 50'	-5.8	-13.5		6300.2		+158	+88	1923,268 513,444	
X	0				5.2	-		-5.2		6308.5	X	0	0	1923,110 513,356	
1007	149		211° 50'	" "	4.5	87° 20'	+6.9	+2.4		6316.1		-100	-110	1923,010 513,246	
1008	478		210° 10'	" "	7.9	86° 50'	+26.4	+18.5		6332.2		-332	-344	1922,778 513,012	
1009	802		209° 35' 08"	" "	9.6	86° 50'	+44.2	+34.6		6348.3	TP	-562	-570	1922,548 512,787	
1009	802				13.4	86° 31'	+42.9	+34.5			TP				

y=1923,600 x=513,985
IF T-ROAD NORTH

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-12-83		B. Catcamp		D. Winkle		6834		D W		4	98					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
NEVADA (ELY)		SHERMAN Mtn. -15'	NEVADA	White Pine					L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH +	EAST +	COORDINATES		REMARKS
												SOUTH -	WEST -	Y	X	
												LAT.	DEP.	Y	X	
	165		17° 52' 54"	+15.8'	5.3	92° 40'	+7.7	+13.0		6348.2						
	165				+4.4	93° -	+8.6	+13.0			BS	-137	-91			STADIA
TP	0				5.2	-		-5.2		6366.2	BS					
TP	0				5.2	-		-5.2		6356.0	TP	0	0	1922,411	512,697	
1010	166		208° 18'	" "	5.0	87° -	+8.7	+3.7		6364.9		-119	-116	1922,292	512,581	
TP	407		208° 22' 01"	" "	6.1	87° -	+21.3	+15.2		6376.4	TP	-292	-283	1922,119	512,415	STADIA
TP	407				4.9	87° 10'	+20.1	+15.2			TP					
	451		30° 51' 11"	" "	6.1	92° 40'	+21.0	+22.1			BS	-309	-328			STADIA
	451				+14.0	91° 40'	+13.1	+22.1		6403.5	BS					
1011	364		29° 30'	" "	5.7	92° 40'	-16.9	-22.6		6380.9		+256	+259	1922,066	512,347	
1012	35		" "	" "	5.2	93° -	-1.8	-7.0		6396.5		+25	+25	1921,835	512,113	
TP	0				5.2	-		-5.2		6398.3	TP	0	0	1921,810	512,088	
1013	295		217° 34'	+15.8'	3.9	87° 20'	+13.7	+9.8		6413.3		-176	-237	1921,634	511,851	
TP	410		216° 03' 08"	" "	6.1	87° -	+21.4	+15.3		6418.8	TP	-253	-322	1921,557	511,767	STADIA
TP	410				8.5	86° 40'	+23.8	+15.3			TP					
	137		17° 54' 50"	" "	+9.1	84	+0.7	+9.8			BS	-114	-76			STADIA
	137				+9.7	-		+9.7		6428.5	BS					
TP	0				5.2	-		-5.2		6423.3	TP	0	0	1921,443	511,692	
1014	74		188° 14'	" "	5.8	87° 10'	+3.7	-2.1		6426.4		-68	-30	1921,375	511,662	
TP	111		189° 15' 25"	" "	7.1	86° 30'	+6.8	-0.3		6428.2	TP	-100	-47	1921,343	511,646	STADIA
TP	111				6.7	86° 40'	+6.4	-0.3			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-12-83		B. Cotcamp		D. Wrinkle		6834		D.W.		4	99					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
NEVADA (ELY)		SHARMAN mtn. -15'	NEVADA	White Pine					L.O. Douglas							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES Y X		REMARKS
	181		19° 38' 04"	+15.8	9.2	91° 30'	+4.7	+13.9	6442.1	6428.2	BS	-147	-105			STADIA TO 1920
	181				8.7	91° 40'	+5.3	+14.0			BS		+1			
π	0				5.2	-		-5.2		6436.9	π	0	0	1921196	511542	
1015	112		211° 30'	"	5.4	87° 10'	+5.5	+0.1		6442.2		-76	-82	1921120	511460	
TP	186		217° 06' 47"	"	10.3	85° 40'	+14.0	+3.7		6445.8	TP	-112	-148	1921084	511395	
TP	186				9.7	85° 50'	+13.5	+3.8			TP		+1			
	515		53° 12' 29"	"	5.8	93° -	+26.9	+32.7			BS	-184	-480			
	515				4.3	93° 10'	+28.4	+32.7	6478.5		BS		+1			
1016	259		52° 44'	+15.8	5.1	93° 10'	-14.3	-19.4		6459.1		+95	+241	1920995	511157	
π	0				5.2	-		-5.2		6473.3	π	0	0	1920900	510916	
1017	70		218° 07'	"	5.0	87° 40'	+2.8	-2.2		6476.3		-41	-57	1920859	510859	
TP	312		211° 25' 24"	"	6.9	86° 40'	+18.1	+11.6		6490.1	TP	-212	-229	1920688	510688	
TP	312				5.6	86° 50'	+17.2	+11.6			TP		+1			
	287		48° 07' 14"	"	10.2	92° -	+10.0	+20.2			BS	-126	-258			
	287				11.0	91° 50'	+9.2	+20.2	6510.3		BS		+1			
1018	197		45° 57'	+15.8	9.8	91° 50'	-6.3	-16.1		6494.2		+93	+174	1920655	510605	
π	0				5.2	-		-5.2		6505.1	π	0	0	1920562	510431	
1019	137		242° 34'	"	10.0	85° 40'	+10.3	+0.3		6510.6		-28	-134	1920534	510297	
TP	426		226° 11' 55"	"	14.6	86° 40'	+24.7	+10.1		6520.4	TP	-200	-375	1920362	510057	
TP	426				13.4	86° 50'	+23.5	+10.1			TP		+1			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
7.12.83		B. Potcamp		D. Winkle		6834		PW		4		100							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
NEVADA		SHERMAN Mtn. -15		NEVADA		White Pine								L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
	870		65° 53' 16"	+158°	3.3	93° -	+45.5	+48.8		6520.4	BS	-126	-860						
	870				10.9	92° 30'	+38.0	+48.9		6569.3	BS								E.D.M.
1020	831		64° 32'	"	8.6	92° 40'	-38.6	-42.2		6522.1		+140	+819	1920,376	510,017			ON NEW ROAD	
#	597		65° 14' 54"	"	8.9	92° 40'	-22.7	-36.6		6532.7	#	+93	+590	1920,329	509,788				
1021	503		66° 16'	"	7.9	92° 50'	-24.8	-32.7		6536.6		+69	+498	1920,305	509,696				
1022	176		62° 55'	"	7.1	92° 50'	-8.7	-15.8		6553.5		+34	+173	1920,270	509,371				
π	0				5.2	-		-5.2		6564.1	π	-0	0	1920,236	509,198				
1023	150		214° 40'	+158°	5.8	86° -	+10.4	+4.6		6573.9		-95	-116	1920,141	509,082				
1024	464		231° 16' 04"	"	8.4	86° -	+32.4	+24.0		6593.3	TP	-180	-426	1920,056	508,773			E.D.M.	
	464				7.0	86° 16'	+31.0	+24.0			TP								
	654		48° 19' 28"	"	12.7	90° 30'	+5.7	+18.4			BS	-285	-588					E.D.M.	
	654				14.6	90° 20'	+3.8	+18.4		6611.7	BS								
1025	408		27° 14'	"	12.0	90° 20'	-2.4	-14.4		6597.3		+298	+278	1920,069	508,464				
1026	89		24° 17'	"	5.3	90° 20'	-0.5	-5.8		6605.9		+68	+57	1919,839	508,243				
π	0				5.2	-		-5.2		6606.5	π	0	0	1919,771	508,186				
1027	236		230° 08'	+158°	6.7	92° 40'	-11.0	-17.7		6594.0		-96	-215	1919,675	507,971				
1028	566		227° 44'	"	6.7	92° -	-19.7	-26.4		6585.3		-252	-507	1919,519	507,679				
1029	896		228° 33'	"	9.2	90° 30'	-7.8	-12.0		6594.7		-388	-808	1919,383	507,328				
1030	1216		225° 02'	"	9.7	89° 40'	+7.1	-2.6		6609.1		-593	-1062	1919,178	507,124				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
7.12.83		B. Cotcamp		D. Wrinkle		6834		D.W.		4		101				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA (ELY)		SHERMAN mtn. -15'		NEVADA		White Pine								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
1031	1542		223° 28' 23"	+15.8°	11.7	89° 20'	+17.9	+6.2	6611.7	6617.9	TP	-788	-1325	1918,983	506,862	E.O.M.
1031	1542			" "	8.1	89° 28'	+14.4	+6.3			TP					
	1163		46° 44' 09"	" "	10.5	90° 20'	+6.8	+17.3	6635.2		BS	-536	-1032			
	1163			" "	7.2	90° 30'	+10.2	+17.4			BS					
1032	856		39° 56'	" "	7.3	91° 50'	-27.4	-34.7		6600.5		+482	+707	1918,929	506,538	
1033	542		34° 46'	" "	10.0	92° 54'	-27.4	-32.4		6597.8		+344	+419	1918,791	506,250	
1034	212		31° 08'	" "	5.7	93° 40'	-13.5	-19.2		6616.0		+145	+155	1918,592	505,986	
X	0			" "	5.2	-		-5.2		6630.0	X	0	0	1918,447	505,831	
1035	119		226° 07'	+15.8°	5.7	89° 30'	+1.0	-4.7		6630.5		-56	-105	1918,391	505,726	
1036	449		225° 55'	" "	11.3	89° 30'	+3.9	-7.4		6627.8		-213	-395	1918,234	505,436	
TP	580		225° 20' 18"	" "	8.7	90° 30'	-5.1	-13.8		6621.4	TP	-280	-508	1918,167	505,324	E.O.M.
TP	586			" "	10.3	90° 20'	-3.4	-13.7			TP					
	98		70° 55' 34"	" "	0.8	87° 30'	-4.3	-3.5			BS	-6	-98			STAIN
	98			" "	1.1	87° 20'	-4.6	-3.5	6617.9		BS					
X	0			" "	5.2	-		-5.2		6612.7	X	0	0	1918,161	505,226	
1037	106		253° 27'	+15.8°	7.8	90° 40'	-1.2	-9.0		6608.9		-1	-106	1918,160	505,120	
TP	350		249° 16' 04"	" "	7.2	-		-7.2		6610.7	TP	-30	-349	1918,131	504,877	STAIN
TP	350			" "	9.0	TH	+1.8	-7.2			TP					
	743		85° 55' 48"	" "	11.8	92° -	+25.9	+37.7		6648.4	BS	+151	-727			E.O.M.
	743			" "	9.7	92° 10'	+28.1	+37.8			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-245

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-12-83		B. Cotnam		D. Wrinkle		6834		DW		4	102					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
NEVADA (ELY)		SHERMAN Mtn. -15'	NEVADA	White Pine					L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									6648.4							
1038	659		84° 20'	+15.8°	13.4	91° 50'	-21.1	-34.5		6613.9		-116	+649	1918,166	504,799	
1039	330		85° 37'	" "	10.8	91° 50'	-10.6	-21.4		6627.0		-65	+323	1918,217	504,473	
1040	0				5.2	-		-5.2		6643.2	TP	0	0	1918,282	504,150	
1041	328		261° 33'	" "	9.8	87° 20'	+15.2	+5.4		6653.8		+42	-325	1918,324	503,825	
TP	483		265° 31' 59"	" "	11.3	87° 20'	+22.5	+11.2			TP	+95	-473	1918,327	503,677	E.P.M.
TP	483				12.8	87° 10'	+23.9	+11.1		6659.5	TP					
	886		76° 23' 11"	+15.8°	6.7	91° 40'	+25.8	+32.5			BS	+34	-885			E.P.M.
	886				9.3	91° 30'	+23.2	+32.5	6692.0		BS					
1042	786		66° 35'	" "	10.9	91° -	-13.7	-24.6		6667.4		+104	+779	1918,515	503,571	
1043	509		69° 16'	" "	12.6	90° 50'	-7.4	-20.0		6672.0		+44	+507	1918,455	503,299	
1044	186		71° 40'	" "	7.8	91° 10'	-3.8	-11.6		6680.4		+8	+186	1918,419	502,978	
TP	0				5.2	-		-5.2		6686.8	TP	0	0	1918,411	502,792	
1045	143		264° 43'	+15.8°	6.8	87° 20'	+6.6	-0.2		6691.8		+26	-141	1918,437	502,651	
1046	472		258° 50'	" "	8.1	87° 40'	+19.2	+11.1		6703.1		+38	-470	1918,449	502,322	
1047	799		255° 04'	" "	8.6	87° 40'	+32.5	+23.9		6715.9		+12	-799	1918,423	501,993	
1048	1121		251° 11' 11"	" "	11.3	87° 30'	+48.9	+37.6		6729.6	TP	-59	-1118	1918,352	501,674	E.P.M.
1048	1121				14.5	87° 20'	+52.2	+37.7			TP					
	986		53° 38' 29"	" "	12.6	93° -	+51.6	+64.2			BS	-346	-922			E.P.M.
	986				9.7	93° 10'	+54.5	+64.2	6793.8		BS					
1049	657		51° 21'	" "	8.0	93° 30'	-40.0	-48.0		6745.8		+254	+606	1918,260	501,358	

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-245
 DATE 7.12.83 INSTRUMENT MAN B. Cotcamp ROD MAN D. Wrinkle PARTY NUMBER 6834 NOTES CHECKED BY DL LINE NO. 4 PAGE 103
 AREA NEVADA (EM) TOPO MAP SHERMAN Mtn. -15 STATE NEVADA COUNTY White Pine TWP RANGE PPM PARTY MANAGER L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS	
														Y	X		
									6793.8								
1050	328		48° 08'	+15.8	10.3	92° 30'	-14.3	-24.6		6769.2		+144	+295	1918,150	501,047		
1051	0		0' 00"		5.2	-		-5.2		6788.6	A	0	0	1,918,006	500,752		TOP OF OVERLAND PASS
A	1057		332° 41' 02"	"	6.5	79° 20'	+195.7	+189.2		6983.0	A	+1018	-207	1,919,024	500,545		6983.0 500,545 by 1981 024 TRI-STATION PASS u.s.c.+65 4-85 1933
Bm	77		199° 22' 50"	"	5.8	88° 10'	+2.5	-3.3		6790.5	Bm	-63	-44	1,917,943	500,708		u.s.c.+65 4-85 1933
1052	330		229° 40'	"	6.2	90° 20'	-1.9	-8.1		6785.7		-137	-300	1,917,869	500,452		
TP	451		231° 49' 27"	"	14.6	89° 40'	+2.6	-12.0		6781.8	TP	-172	-417	1,917,935	500,335		
TP	451				13.3	89° 50'	+1.3	-12.0			TP	+					
	493		52° 26' 18"	+15.8	7.2	88° -	-17.2	-10.0			BS	-183	-458				
	493			+	5.8	88° 10'	-15.8	-10.0	6771.8		BS	+	+				
1053	284		51° 48'	"	7.2	88° 10'	+9.1	+1.9		6773.7		+108	+263	1,917,261	500,143		
H	226		52° 32' 41"	"	7.0	88° 10'	+7.2	+0.2		6772.0	H	+83	+210	1,917,736	500,090		
A	0				5.2	-		-5.2		6766.6	A	0	0	1,917,653	499,880		
1054	45		244° 58'	+15.8	6.3	90° 20'	-0.3	-6.6		6765.2		-7	-44	1,917,646	499,836		
1055	373		230° 11'	"	8.3	92° 20'	-15.2	-23.5		6748.3		-152	-341	1,917,501	499,539		
1056	709		230° 40'	"	6.5	92° 20'	-28.6	-35.1		6736.7		-281	-645	1,917,372	499,235		
TP	832		230° 06' 35"	"	5.8	92° 20'	-33.9	-39.7		6732.1	TP	-339	-759	1,917,315	499,124		
TP	832				8.2	92° 16'	-31.5	-39.7			TP	+	+				
	462		54° 24' 00"	+15.8	5.6	87° -	-24.2	-18.6			BS	-156	-434				
	462			+	4.2	87° 10'	-22.8	-18.6	6713.5		BS	+	+				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.12.83		B. Cotcamp		D. Wrinkle		6834		D.W.		4		104			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		SHERMAN Mtn. -15'		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y
									6713.5						
1057	261		53° 21'	+15.8°	7.1	86° 40'	+15.2	+8.1		6721.6		+93	+244	1917,253	498,937
π	0				5.2	-		-5.2		6708.3	π	0	0	1917,160	498,693
1058	69		242° 59'	"	6.1	92° 40'	-3.2	-9.3		6704.2		-13	-68	1917,147	498,625
1059	393		235° 50'	"	11.3	91° 46'	-11.4	-22.7		6690.8		-124	-373	1917,036	498,320
TP	468		233° 23' 49"	"	9.0	92° -	-16.3	-25.3			TP	-166	-437	1916,995	498,250 E.P.M.
TP	468				10.4	91° 50'	-15.0	-25.4		6688.1	TP	"	"		
	255		53° 37' 59"	+15.8°	11.6	86° 30'	-15.5	-3.9			BS	-89	-238		STADIA
	255				+10.8	86° 40'	-14.8	-4.0		6684.1	BS	"	"		
1060	0				5.2	-		-5.2		6678.9	π	0	0	1916,907	498,024
1061	329		241° 38' 22"	"	9.7	91° 46'	-9.6	-19.3		6664.8	TP	-72	-321	1916,836	497,706 STADIA
1061	329				10.7	91° 30'	-8.6	-19.3			TP	"	"		
	477		44° 36' 24"	"	10.9	87° -	-25.0	-14.1		6650.7	BS	-235	-414		E.P.M.
	477				+12.3	86° 50'	-26.4	-14.1			BS	"	"		
1062	155		29° 42'	"	6.9	86° 10'	+10.3	+3.4		6654.1		+109	+111	1916,711	497,406
π	0				5.2	-		-5.2		6645.5	π	0	0	1916,602	497,295
1063	163		205° 43'	+15.8°	8.9	90° 36'	-1.4	+0.3		6640.4		-122	-108	1916,480	497,187
TP	458		213° 08' 34"	"	10.7	91° 10'	-9.3	-20.0		6630.7	TP	-301	-345	1916,302	496,958 E.P.M.
TP	458				12.1	91° -	-8.0	-20.1			TP	"	"		
	628		48° 36' 48"	"	10.9	87° 40'	-25.6	-14.7		6616.0	BS	-271	-566		E.P.M.
	628				+12.7	87° 30'	-27.4	-14.7			BS	"	"		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-245

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7.13.83		B. Cotcamp		D. Winkle		6834		DWS		4	105			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
NEVADA (Ely)		SHERMAN mtn.-15		NEVADA		White Pine					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS + TP	COORDINATES		REMARKS
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	
									6616.0					
1064	594		47° 56'	+15.8	9.6	87° 50'	+22.4	+12.8		6628.8		+263	+533	1916,295 496,923
1065	267		51° 49'	"	6.7	87° 50'	+10.1	+3.4		6619.4		+102	+247	1916,134 496,637
IF	260		53° 35' 53"	"	6.5	87° 50'	+9.8	+3.3		6619.3	IF	+91	+243	1916,123 496,633
T	0				5.2	-		-5.2		6610.8	T	0	0	1916,032 496,390
1066	64		268° 16'	+15.8	7.0	92° 30'	-2.8	-9.8		6606.2		+16	-62	1916,048 496,328
1067	391		253° 41'	"	10.0	91° 40'	-11.4	-21.4		6594.6		-4	-391	1916,028 495,999
TP	622		244° 46' 45"	"	9.6	91° 10'	-12.7	-22.3		6593.7	TP	-102	-613	1915,931 495,780 E.O.M.
TP	622				10.6	91° 04'	-11.6	-22.2			TP	"	"	"
	405		44° 13' 01"	+15.8	10.7	88° 30'	-10.6	+0.1		6593.8	BS	-202	-351	STAPIN
	405			"	11.9	88° 20'	-11.8	+0.1			BS	"	"	"
1068	321		41° 25'	"	6.2	88° 40'	+7.5	+1.3		6595.1		+174	+270	1915,904 495,702
T	0				5.2	-		-5.2		6588.6	T	0	0	1915,730 495,432 opp. side of road
1069	17		273° 00'	"	5.3	91° -	-0.3	-5.6		6588.2		+5	-16	1915,735 495,416
1070	335		206° 52'	"	5.7	92° -	-11.7	-17.4		6576.4		-246	-227	1915,484 495,205
H	300		205° 21' 27"	"	5.3	92° -	-10.5	-15.8		6578.0	H	-226	-197	1915,504 495,235
TP	403		206° 49' 26"	"	9.1	91° 40'	-11.7	-20.8		6573.0	TP	-296	-273	1915,435 495,162 SMOIN.
TP	403				10.2	91° 30'	-10.5	-20.7			TP	"	"	"
	910		68° 19' 00"	+15.8	7.7	87° -	-47.6	-39.9			BS	-93	-904	E.O.M.
	910			"	5.0	87° 10'	-45.0	-40.0		6533.0	BS	"	"	"
1071	640		64° 16'	"	18.3	86° 50'	+35.3	+17.0		6550.0				1915,398 494,898

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.13-83		B. Cotcamp		D. Wrinkle		6834		DW		4		106			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA (RM)		SHERMAN Mtn. -15		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y
									6533.0						
1072	322		69° 45'	+15.8°	6.9	88° 20'	+9.4	+2.5		6535.5		+25	+321	1915,368	494,582
1073	0			+15.8°	5.2	-		-5.2		6522.8	TP	0	0	1915,343	494,261
1074	327		251° 25'	"	8.7	91° 10'	-6.7	-15.4		6517.6		-16	-327	1915,327	493,934
1075	651		247° 49' 30"	"	8.0	91° 10'	-13.3	-21.3		6511.7	TP	-72	-647	1915,271	493,617
1075	651			"	9.9	91° -	-11.4	-21.3			TP		+3		E.O.M.
	606		41° 17' 46"	"	6.8	88° 40'	-14.1	-7.3			BS	-329	-509		E.A.M.
	606			"	8.5	88° 30'	-15.9	-7.4	6504.3		BS		+3		
1076	278		45° 42'	"	6.0	88° 50'	+5.7	-0.3		6504.0		+133	+244	1915,075	493,355
	0			+15.8°	5.2	-		-5.2		6499.1	TP	0	0	1914,942	493,111
1077	49		246° 26'	"	5.3	-		-5.3		6499.0		-7	-49	1914,935	493,062
1078	366		228° 37'	"	9.6	91° -	-6.4	-16.0		6488.3		-158	-330	1914,784	492,781
TP	479		224° 52' 36"	"	6.5	91° -	-8.4	-14.9		6489.4	TP	-235	-418	1914,707	492,698
TP	479			"	5.1	91° 10'	-9.8	-14.9			TP		+3		E.P.M.
	374		92° 00' 29"	"	3.6	88° -	-13.0	-9.4			BS	+114	-356		
	374			"	2.5	88° 10'	-12.0	-9.5	6479.9		BS		+3		
1079	147		88° 42'	"	5.6	89° -	+2.6	-3.0		6476.9		-37	+142	1914,784	492,485
	0			+15.8°	5.2	-		-5.2		6474.7	TP	0	0	1914,821	492,343
1080	180		244° 03'	"	4.2	93° -	-9.4	-13.6		6466.3		-32	-177	1914,789	492,166
1081	482		260° 50' 07"	"	12.7	91° 10'	-9.8	-22.5		6457.4	TP	+56	-479	1914,877	491,867
1081	482			"	14.1	91° -	-8.4	-22.5			TP		+3		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7.13.83		B. Cotcamp		D. Wrinkle		6834		Dw		4	107			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
NEVADA (ELY)		SHERMAN Mtn. -15'		NEVADA		White Pine					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	
										6457.7				
	469		85° 20' 17"	+15.8°	14.6	87° 10'	-23.2	-8.6	6448.8		BS	+90	-460	STADIA
	469			"	14.8	87° 08'	-23.4	-8.6			BS		+3	
1082	161		65° 10'	"	3.3	88° 30'	+4.2	+0.9		6449.7		+25	+159	1914,992 491,569
X	0			+15.8°	5.2	-		-5.2		6443.6	X	0	0	1914,967 491,410
1083	169		256° 04'	"	4.6	-		-4.6		6444.2		+6	-169	1914,973 491,241
TP	322		257° 51' 08"	"	10.4	-		-10.4		6438.7	TP	+21	-321	1914,988 491,092
TP	322			"	12.0	TH	+1.6	-10.4			TP		+3	
	302		95° 39' 17"	"	8.5	87° 30'	-13.2	-4.7	6433.7		BS	+110	-281	
	302			"	9.3	87° 20'	-14.0	-4.7			BS			
1084	132		86° 34'	"	5.2	87° 40'	+5.4	+0.2		6433.9		-15	+131	1915,083 490,942
Bm	89		72° 39' 17"	"	4.1	87°	+4.7	+0.6		6434.3		+2	+89	1915,100 490,900
X	0			+15.8°	5.2	-		-5.2		6428.5	X	0	0	1915,098 490,811
1085	196		251° 26'	"	6.1	91° 10'	-4.0	-10.1		6423.6		-9	-196	1915,089 490,615
IF	411		251° 49' 16"	"	3.4	91° 10'	-8.4	-11.8		6421.9		-17	-411	1915,081 490,400
1086	522		250° 47'	"	6.5	90° 30'	-4.6	-11.1		6422.6		-31	-521	1915,067 490,290
TP	741		248° 10' 11"	"	10.8	90° 10'	-2.2	-13.0		6420.7	TP	-78	-737	1915,020 490,074
TP	741			"	8.4	90° 20'	-4.3	-12.7			TP			
	388		55° 22' 27"	"	6.4	88°	-13.5	-7.1	6413.6		BS	-125	-367	
	388			"	5.4	88° 10'	-12.4	-7.0			BS			

1915,100 x 490,900
 2.365.8m Elev. 6432.0
 4-56 1983 Horiz. 360
 CORR. X +14

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-13-83	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Wrinke	PARTY NUMBER 6834	NOTES CHECKED BY DW	LINE NO. 4	PAGE 108
AREA NEVADA (ELY)	TOPO MAP SHERMAN mtn. -15'	STATE NEVADA	COUNTY White Pine	TWP	RANGE	PPM
PARTY MANAGER L.O. Davis						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									6413.6					
1087	280		56° 55' 51"	+15.8°	5.3	88° 30'	+7.3	+2.0		6415.6		+83	+267	1914978 489974
1087	260		55° 47'	"	5.4	88° 30'	+6.8	+1.4		6415.0		+82	+247	1914977 489954
X	0			+15.8°	5.2	-	-	-5.2		6408.4	X	0	0	1914895 489707 STADIA
1088	72		261° 33'	"	5.9	92° -	-2.5	-8.4		6405.2		+9	-71	1914904 4891236
1089	460		251° 51'	"	5.7	91° 20'	-9.3	-15.0		6398.6		-16	-400	1914879 489307
TP	511		251° 36' 11"	"	9.6	91° 10'	-10.4	-20.0		6393.6	TP	-23	-510	1914872 489197
TP	511			"	8.1	91° 20'	-11.9	-20.0			TP			
	491		78° 25' 09"	"	+4.6	88° -	-17.1	-12.5	6381.1		BS	+36	-489	
	491			"	+6.1	87° 50'	-18.6	-12.5			BS			
1090	276		78° 12'	"	4.3	88° -	+9.6	+5.3		6386.4		-19	+275	1914889 488983
X	0			+15.8°	5.2	-	-	-5.2		6375.9	X	0	0	1914908 488708 STADIA
1091	58		279° 20'	"	5.0	91° -	-1.0	-6.0		6375.1		+25	-53	1914933 488655
1092	382		262° 46'	"	7.6	91° -	-6.7	-14.3		6366.8		+56	-378	1914964 488330
TP	610		251° 36' 48"	"	10.1	91° -	-10.6	-20.7		6360.4	TP	+36	-609	1914944 488099
TP	610			"	8.3	91° 10'	-12.4	-20.7			TP			
	330		67° 59' 05"	"	+7.7	88° -	-11.5	-3.8	6356.6		BS	-36	-328	
	330			"	+8.7	87° 50'	-12.5	-3.8			BS			
1093	232		66° 12'	"	7.6	87° 50'	+8.8	+1.2		6357.8		+32	+230	1914940 488001
X	0			+15.8°	8.2	-	-	-5.2		6351.4	X	0	0	1914908 487771
1094	120		291° 45'	"	6.0	90° 40'	-1.4	-7.4		6349.2		+73	-95	1914981 487676

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
7-13-83		B. Cotcamp		D. Winkle		6834		DW		4		109				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA (Ely)		SHEEMAN Mtn. -15'		NEVADA		White Pine								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
1095	441		273° 51' 05"	+15.8°	4.9	91° 20'	-10.3	-15.2	6356.6	6341.4	TP	+148	-415	1915,056	487,356	Temporary E.O.L. Line #4
1095	441			"	6.2	91° 10'	-9.0	-15.2			TP					
	441		273° 51' 05"	"	+4.9	91° 20'	+10.3	+15.2			BS	-148	+415			
	441			"	+6.2	91° 10'	+9.0	+15.2	6356.6		BS					
X	0			+15.8°	5.2	-		-5.2		6351.4	X	0	0	1914,908	487,771	
TP	330		67° 59' 05"	"	7.7	88° -	+11.5	+3.8		6360.4	TP	+36	+328	1914,944	488,099	
TP	330			"	8.7	87° 50'	+12.5	+3.8			TP					
	610		257° 36' 48"	"	+10.1	91° -	+10.6	+20.7			BS	-36	+609			
	610			"	+8.3	91° 10'	+12.4	+20.7	6381.1		BS					
X	0			+15.8°	5.2	-		-5.2		6375.9	X	0	0	1914,908	488,708	
TP	491		78° 25' 09"	"	4.6	88° -	+17.1	+12.5		6393.6	TP	-36	+489	1914,872	489,197	
TP	491			"	6.1	87° 50'	+18.6	+12.5			TP					
	511		251° 36' 11"	"	+9.6	91° 10'	+10.4	+20.0			BS	+23	+510			
	511			"	+8.1	91° 20'	+11.9	+20.0	6413.6		BS					
X	0			+15.8°	5.2	-		-5.2		6408.4	X	0	0	1914,895	489,707	
TP	388		55° 22' 27"	"	6.4	88° -	+13.5	+7.1			TP	+125	+367	1915,020	490,074	
TP	388			"	5.4	88° 10'	+12.4	+7.0		6420.6	TP					
	741		248° 10' 11"	"	+10.8	90° 10'	+2.2	+13.0			BS	+78	+737			
	741			"	+8.4	90° 20'	+4.3	+12.7	6433.3		BS					
X	0			+15.8°	5.2	-		-5.2		6428.1	X	0	0	1915,098	490,811	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-11-83	INSTRUMENT MAN	B. Cotnam	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW	LINE NO.	4	PAGE	111
AREA	NEVADA	TOPO MAP	Sherman mtn. -15	STATE	NEVADA	COUNTY	White Pine	TWP		RANGE	PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y	X
R1	STATION	1095	of line, #4 control		taken	from previous survey				6341.4	R			1915,056	487,356	STA. 1095 Line 4E-6341.4
	985		86° 56' 54"	+158'	8.4	88° 20'	-28.6	-20.2	6321.2		BS	+217	-960			
	985				5.5	88° 30'	-25.8	-20.3			BS					
1096	655		86° 27'	"	7.1	88° 30'	+17.1	+10.0		6331.2		-139	+640	1915,134	487,036	
1097	325		87° 24'	"	7.3	88° 10'	+10.4	+3.1		6324.3		-74	+316	1915,199	486,712	
1098	0				5.2	-		-5.2		6316.0	T	0	0	1915,273	486,396	
1099	328		241° 26'	+158'	8.7	90° 50'	-4.8	-13.5		6307.7		-72	-320	1915,201	486,076	
1100	651		245° 42'	"	7.5	90° 50'	-9.5	-17.0		6304.2		-96	-644	1915,177	485,752	
TP	773		247° 18' 11"	"	8.0	90° 50'	-11.2	-19.2			TP	-93	-767	1915,180	485,629	
TP	773				10.3	90° 40'	-9.0	-19.3		6301.9	TP					
	923		73° 39' 52"	+158'	6.9	88° 40'	-21.5	-14.6			BS	-9	-923			
	923				9.5	88° 30'	-24.2	-14.7	6287.2		BS					
1101	721		71° 01'	"	7.9	88° 50'	+14.7	+6.8		6294.0		+40	+720	1915,211	485,426	
1102	402		62° 08'	"	7.8	88° 50'	+8.2	+0.4		6287.6		+84	+393	1915,255	485,099	
1103	83		49° 14'	"	6.9	87° -	+4.3	-2.6		6284.6		+35	+75	1915,206	484,781	
T	0				5.2	-		-5.2		6282.0	T	0	0	1915,171	484,706	
1104	251		261° 41'	+158'	7.2	90° 40'	-2.9	-10.1		6272.1		+33	-249	1915,204	484,457	
1105	577		256° 11'	"	7.6	91° -	-10.1	-17.7		6269.5		+20	-577	1915,191	484,129	
TP	684		255° 50' 17"	"	8.1	91° 10'	-13.9	-22.0		6265.2	TP	+20	-684	1915,191	484,022	
TP	684				10.1	91° -	-11.9	-22.0			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
8-11-83		B. Cotcamp		D. Wrinkle		6834		DW		4	112			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
NEVADA		SHEPHERD mtn. -15'		NEVADA		White Pine					L. O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										6265.2				
	1537		95° 19' 34"	+158°	11.0	88° 30'	-40.2	-29.2	6236.0		BS	+554	-1433	
	1537				6.5	88° 40'	-35.8	-29.3			BS			
1106	1311		93° 56'	"	7.8	88° 40'	+30.5	+22.7		6258.7		-443	+1234	1915,302 483,823
1107	983		92° 41'	"	7.3	88° 30'	+25.7	+18.4		6254.4		-312	+932	1915,433 483,521
1108	654		92° 06'	"	8.8	88° 30'	+17.1	+8.3		6244.3		-201	+622	1915,544 483,211
1109	329		84° 56'	"	7.9	88° 36'	+8.6	+0.7		6236.7		-61	+323	1915,684 482,912
1110	0				5.2	-	-	-5.2		6230.8	TP	0	0	1915,745 482,589
1111	330		267° 19'	+158°	7.3	91° 10'	-6.7	-14.0		6222.0		+75	-321	1915,820 482,268
1112	653		271° 18'	"	7.0	91° 10'	-13.3	-20.3		6215.7		+192	-624	1915,937 481,965
1113	977		274° 01'	"	7.3	91° 10'	-19.9	-27.2		6208.8		+331	-919	1916,076 481,670
1114	1306		272° 33'	"	7.8	91° 10'	-26.6	-34.4		6201.6		+411	-1240	1916,156 481,349
1115	1633		276° 59' 07"	"	9.5	91° 10'	-33.2	-42.7		6193.3	TP	+471	-1563	1916,216 481,026
1115	1633				14.2	91° -	-28.5	-42.7			TP			
	2235		73° 01' 57"	+158°	13.8	88° 44'	-49.4	-35.6			BS	-46	-2234	
	2235				13.5	271° 16'	-49.4	-35.9	6152.6		BS			
1116	1909		71° 27'	"	9.1	88° 50'	+38.9	+29.8		6187.4		+92	+1907	1916,262 480,699
1117	1587		69° 09'	"	6.8	88° 50'	+32.3	+25.5		6183.1		+140	+1581	1916,310 480,373
1118	1269		65° 49'	"	7.5	88° 50'	+25.8	+18.3		6175.9		+185	+1255	1916,355 480,047
Bm	1012		63° 58' 08"	"	4.8	88° 50'	+20.6	+15.8		6173.4	Bm	+180	+996	1916,350 479,788
1119	1035		58° 13'	"	7.2	88° 40'	+24.1	+16.9		6174.5		+285	+995	1916,455 479,787

4-1916,335 x-479,720
 U.S.G. 8/77
 1916,61735

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-11-83		B. Potter		P. Wrinkle		6834		DW		4		113			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		SHERMAN mtn. -15		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6152.6						
1120	764		48° 56'	+15.8°	7.6	88° 20'	+22.2	+14.6		6172.2		+326	+691	1916,496	479,483
1121	450		42° 00'	" "	8.2	88° 20'	+13.1	+4.9		6162.5		+240	+381	1916,410	479,173
1122	122		42° 21'	" "	6.8	88° 20'	+3.5	-3.3		6154.3		+64	+104	1916,234	478,896
Σ	0				5.2	-	-	-5.2		6152.4	TP	0	0	1916,170	478,792
1123	246		300° 34'	+15.8°	7.6	89° 40'	+1.4	-6.2		6151.4		+178	-170	1916,348	478,622
1124	464		265° 09'	" "	8.0	90° 20'	-2.7	-10.7		6146.9		+88	-456	1916,258	478,336
1125	791		261° 21'	" "	9.0	90° 40'	-9.2	-18.2		6139.4		+98	-785	1916,268	478,007
1126	1120		266° 35'	" "	10.8	90° 40'	-13.0	-23.8		6133.8		+125	-1113	1916,295	477,679
1127	1447		259° 35'	" "	8.9	91° -	-25.3	-34.2		6123.4		+136	-1441	1916,306	477,351
IF	1667		266° 30' 42"	" "	12.7	90° 50'	-24.2	-36.9		6120.8	TP	+183	-1657	1916,354	477,135
IF	1667			" "	12.5	269° 10'	-24.2	-36.7			TP	"	"		
	574		101° 26' 12"	+15.9°	9.6	93° 40'	+36.7	+46.3	6162.1		BS	+263	-509		
	574			"	8.0	93° 56'	-38.4	+46.4			BS	+1	+2		
1128	473		97° 45'	" "	7.8	94° 04'	-33.5	-41.3		6125.8		-190	+433	1916,428	477,061
1129	144		99° 28'	" "	6.3	93° -	-7.5	-13.8		6153.3		-62	+130	1916,556	476,758
Σ	0				5.2	-	-	-5.2		6161.9	TP	0	0	1916,618	476,628
1130	186		300° 00'	+15.9°	5.3	90° 20'	-1.1	-6.4		6160.7		+134	-129	1916,752	476,499
1131	515		300° 05'	" "	10.6	90° 20'	-3.0	-13.6		6153.5		+370	-358	1916,988	476,270
1132	843		296° 42'	" "	6.2	90° 30'	-2.4	-13.6		6153.5		+571	-621	1917,189	476,007

g-1916300x 477,100

IF 6-intersect

IF

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
8-11-83		B. Cotcamp		D. Winkle		6834		DW		4	114						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
NEVADA		SHERMAN Mtn.-15		NEVADA		White Pine					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									6162.1								
1133	1172		296° 20'	+159°	16.8	90° 50'	-12.0	-22.8		6138.3		+788	-868	1917,406	475,760		
1134	1501		295° 35' 53"	~	6.9	90° 20'	-8.7	-15.6			TP	+995	-1124	1917,614	475,506		
1134	1501				11.3	90° 10'	-4.4	-15.7		6151.4	TP	+1	+2				
	1969		113° 10' 17"	~	8.0	89° 46'	-11.5	-3.5	6147.9		BS	+1241	-1529				
	1969				13.8	89° 30'	-12.2	-3.4			BS	+1	+2				
1135	1643		112° 50'	+159°	20.5	89° 50'	+4.8	-15.7		6132.2		-1028	+1282	1917,828	475,261		
1136	1315		112° 46'	~	15.4	89° 50'	+3.8	-11.6		6136.3		-822	+1027	1918,034	475,006		
1137	987		113° 28'	~	7.9	89° 46'	+5.7	-2.2		6145.7		-626	+763	1918,230	474,742		
1138	658		113° 54'	~	11.2	89° 46'	+3.8	-2.4		6140.5		-421	+506	1918,435	474,485		
1139	330		110° 50'	~	10.7	89° 40'	+1.9	-8.8		6139.1		-197	+264	1918,659	474,243		
1140	0				5.2	-		-5.2		6142.7	TP	0	0	1918,856	473,979		
1141	330		295° 50'	+159°	16.0	91° -	-5.8	-15.8		6132.1		+220	-246	1919,076	473,733		
1142	660		296° 28'	~	11.1	91° -	-11.5	-22.6		6125.3		+445	-488	1919,301	473,491		
1143	989		296° 21'	~	5.8	90° 30'	-8.6	-14.4		6133.5		+665	-732	1919,521	473,247		
1144	1318		297° 31'	~	8.8	90° 36'	-11.5	-20.3		6127.6		+908	-956	1919,764	473,023		
1145	1645		297° 20'	~	18.8	90° 30'	-14.4	-33.2		6114.7		+1127	-1199	1919,983	472,780		
TPM	1793		296° 12' 57"	~	9.8	90° 40'	-20.9	-30.7	30.5	6117.4	TP	+1202	-1330	1920,059	472,651		
TPM	1793				14.8	90° 30'	-15.6	-30.4			TP	+1	+2				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-19-83		B. Cotcamp		D. Wrinkle		6834		D W		4		115			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		SHERMAN mtn. -15		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										6117.4					
	2139		113° 32' 22"	+159°	4.1	TH	-10.7	-6.6			BS	+1359	-1652		
	2139			+	5.8	89° 40'	-12.4	-6.6	6110.8		BS	+1	+2		
1146	1967		114° 30'	"	11.3	89° 42'	+10.3	-1.0		6109.8		-1275	+1498	1920,144	472,499
1147	1645		116° 07'	"	11.9	89° 48'	+5.7	-6.2		6104.6		-1101	+1222	1920,318	472,223
1148	1318		115° 10'	"	10.8	89° 30'	+11.5	+0.7		6111.5		-866	+994	1920,553	471,995
1149	988		115° 02'	"	11.4	89° 30'	+8.6	-2.8		6108.0		-647	+746	1920,772	471,747
1150	658		114° 12'	"	6.4	89° 30'	+5.7	-0.7		6110.1		-424	+503	1920,975	471,504
1151	328		111° 47'	"	9.0	89° 30'	+2.9	-6.1		6104.7		-201	+260	1921,218	471,261
#	48		90° 34' 24"	"	4.8	89° 30'	+0.4	-4.4		6106.4	#	-14	+46	1921,405	471,047
1152	0				5.2	-		-5.2		6105.6	T	0	0	1921,419	471,001
1153	330		298° 19'	+159°	9.3	89° 30'	-2.9	-12.2		6098.6		+230	-237	1921,649	470,764
1154	660		299° 12'	"	9.0	90° 30'	-5.8	-14.8		6096.0		+468	-466	1921,887	470,535
1155	988		299° 25'	"	9.8	90° 30'	-8.6	-18.4		6092.4		+702	-695	1922,121	470,306
1156	1317		298° 23'	"	11.0	90° 30'	-11.5	-22.5		6088.3		+920	-943	1922,339	470,058
1157	1645		296° 58'	"	8.7	90° 40'	-19.1	-27.8		6083.0		+1119	-1206	1922,538	469,795
1158	1973		296° 03' 44"	"	10.7	90° 40'	-23.0	-33.7		6077.1	TP	+1319	-1467	1922,739	469,535
1158	1973				4.9	90° 50'	-28.7	-33.6			TP	+	+		
	2630		107° 54' 05"	+159°	6.0	89°	-45.9	-39.9			BS	+1463	-2185		
	2630			+	5.7	271°	-45.9	-40.2	6037.1		BS	+	+		
1159	2300		107° 25'	"	7.8	89°	+40.1	+32.3		6069.4		-1263	+1922	1923,940	469,273

y=1921.365 x=471.015
Hwy Inter. Elev. 61060

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8.19.83		B. Cotcamp		D. Wrinkle		6834		B.C.		4		116			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		SHERMAN mtn. -15'		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									6037.1						
1160	1974		106° 19'	+15.9	8.1	89° -	+34.4	+26.3		6063.4		-1052	+1670	1923,151	469,021
1161	1646		106° 11'	"	7.0	89° -	+28.7	+21.7		6058.8		-874	+1395	1923,329	468,746
1162	1317		107° 02'	"	6.2	89° -	+23.0	+16.8		6053.9		-716	+1105	1923,487	468,456
1163	988		107° 29'	"	8.0	89° -	+17.2	+9.2		6046.3		-544	+825	1923,659	468,176
1164	659		107° 04'	"	6.7	89° -	+11.5	+4.8		6041.9		-359	+553	1923,844	467,904
1165	330		106° 06'	"	6.8	89° -	+5.8	-1.0		6036.1		-175	+280	1924,028	467,631
1166	0				5.2	-		-5.2		6031.9	π	0	0	1924,203	467,351
1167	328		288° 00'	+15.9	7.7	91° -	-5.7	-13.4		6023.7		+183	-272	1924,386	467,079
1168	657		289° 19'	"	7.1	91° -	-11.5	-18.6		6018.5		+379	-537	1924,582	466,814
1169	986		291° 01'	"	5.9	90° 50'	-14.3	-20.2		6016.9		+592	-788	1924,795	466,563
1170	1311		288° 39' 18"	"	12.1	90° 50'	-19.1	-31.2			TP	+744	-1080	1924,948	466,272
1170	1311				9.9	90° 56'	-21.4	-31.3		6005.8	TP	+	+		
	1038		99° 34' 04"	+15.9	12.1	89° -	-18.1	-6.0			BS	+446	-937		
	1038				9.1	89° 10'	-15.1	-6.0	5999.8		BS	+	+		
1171	716		96° 22'	"	7.3	90° 20'	-4.2	-11.5		5988.3		-271	+663	1925,124	465,999
1172	398		105° 24'	"	10.1	91° -	-6.9	-17.0		5982.8		-207	+340	1925,188	465,626
1173	84		91° 22'	"	6.7	91° -	-10.2	-16.9		5982.9		-25	+80	1925,370	465,416
π	0				5.2	-		-5.7		5994.6	π	0	0	1925,395	465,336
1174	254		303° 25'	+15.9	6.7	90° 10'	-0.7	-7.4		5992.4		+193	-166	1925,588	465,170
1175	583		301° 37'	"	6.7	90° 10'	-1.7	-8.4		5991.4		+430	-394	1925,825	464,942

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
8-19-83		B. Cotamp		D. Wrinkle		6834		B.C.		4		117							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
NEVADA		SHERMAN mtr. -15'		NEVADA		White Pine								L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									5999.8										
1176	912		300° 02'	+159°	7.8	90° 10'	-2.7	-10.5		5989.3		+655	-634	1926.050	464.702				
1177	1242		299° 13'	~	7.9	90° 20'	-7.2	-15.1		5984.7		+880	-876	1926.275	464.460				
1178	1571		298° 29' 16"	~	10.4	90° 20'	-9.1	-19.5		5980.3	TP	+1099	-1123	1926.495	464.214				
1178	1571				14.9	90° 10'	-4.6	-19.5			TP	+1	+1						
	2964		113° 44' 16"	+159°	6.3	89° 10'	-43.1	-36.8	26.9		BS	+1891	-2282						
	2964				6.0	270° 50'	-43.1	-37.1		5943.4	BS	+1	+1						
1179	2634		113° 48'	~	7.8	89° 10'	+38.3	+30.5		5973.9		-1683	+2027	1926.704	463.960				
1180	2305		114° 03'	~	12.0	89° 10'	+33.5	+21.5		5964.9		-1480	+1767	1926.907	463.700				
1181	1976		113° 42'	~	11.8	89° 10'	+25.3	+13.5		5956.9		-1260	+1523	1927.127	463.456				
1182	1647		112° 54'	~	6.8	89° 10'	+23.9	+12.1		5960.5		-1032	+1284	1927.355	463.217				
1183	1317		113° 21'	~	7.1	89° 10'	+19.1	+12.0		5955.4		-833	+1020	1927.554	462.953				
1184	989		113° 52'	~	9.1	89° 10'	+14.4	+5.3		5948.7		-633	+760	1927.754	462.693				
1185	660		112° 51'	~	12.2	89° 30'	+5.8	-6.4		5937.0		-413	+515	1927.974	462.448				
1186	330		112° 34'	~	9.0	89° 30'	+2.9	-6.1		5937.3		-206	+258	1928.181	462.191				
1187	0				5.2	-		-5.2		5938.2	TP	0	0	1928.387	461.933				
1188	330		294° 58'	+159°	7.9	90° 40'	-3.8	-11.7		5931.7		+216	-250	1928.603	461.683				
1189	658		292° 56'	~	7.8	90° 40'	-7.7	-15.5		5927.9		+413	-513	1928.800	461.420				
1190	988		291° 42'	~	8.4	90° 40'	-11.5	-19.9		5923.5		+603	-783	1928.996	461.150				
1191	1318		291° 11'	~	10.1	90° 40'	-15.3	-25.4		5918.0		+795	-1051	1929.182	460.882				
1192	1647		270° 45'	~	12.0	90° 40'	-19.2	-31.2		5912.2		+983	-1321	1929.370	460.612				

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
8-19-83		B. Cotcamp		D. Winkle		6834		DW		4		118							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
NEVADA		SHERMAN mtn. -15'		NEVADA		White Pine								L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
1193	1976		290° 03'	+15.9°	8.0	90° 50'	-28.7	-36.7	5943.4										
1194	2305		289° 41'	"	9.2	90° 50'	-33.5	-42.7		5906.7		+1160	-1600	1,929,547	460,333				
1195	2511		289° 16' 06"	"	12.1	90° 50'	-36.5	-48.6		5894.8	TI	+1446	-2052	1,929,833	459,881	-1,929,880	x-459,835		
1196	2633		289° 18'	"	11.8	90° 50'	-38.3	-50.1		5893.3		+1518	-2152	1,929,905	459,781				
1196	2963		289° 12' 57"	"	8.3	90° 50'	-43.1	-51.4	51.3	5892.1	TP	+1704	-2423	1,930,092	459,511				
	2435		108° 21' 17"	+15.9°	11.7	-	-	+11.7			BS	+1371	-2013						
	2435			+11.3		270°	-	+11.3	5903.6		BS	+1	+1						
1197	2105		108° 22'	"	6.8	90° 20'	-12.3	-19.1		5884.5		-1185	+1740	1,930,278	459,239				
1198	1777		108° 33'	"	11.3	90° 30'	-15.5	-26.8		5876.8		-1005	+1465	1,930,459	458,964				
1199	1448		108° 24'	"	8.3	90° 40'	-16.8	-25.1		5878.5		-816	+1196	1,930,648	458,695				
1200	1118		108° 18'	"	7.8	90° 30'	-9.8	-17.6		5886.0		-628	+925	1,930,836	458,424				
1201	789		108° 40'	"	11.2	90° 30'	-6.9	-18.1		5885.5		-448	+650	1,931,016	458,149				
1202	459		108° 25'	"	7.0	90° 30'	-4.0	-11.0		5892.6		-259	+379	1,931,205	457,878				
1203	130		105° 58'	"	6.7	89°	+2.3	-4.4		5899.2		-69	+110	1,931,395	457,609				
TI	0				5.2	-	-	-5.2		5898.4	TI	0	0	1,931,464	457,499				
1204	201		301° 31'	+15.9°	6.7	92° 20'	-8.2	-14.9		5888.7		+148	-136	1,931,612	457,363				
1205	530		297° 57'	"	7.7	92° 50'	-26.2	-33.9		5869.7		+367	-382	1,931,831	457,117				
1206	858		294° 48'	"	9.7	93° 10'	-47.3	-57.0		5846.6		+560	-650	1,932,024	456,849				
1207	1177		292° 56'	"	8.5	93° 10'	-64.9	-73.4		5830.2		+738	-917	1,932,202	456,582				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
8-19-83		B. Cotcamp		D. Wrinkle		6834		B.C.		4		119							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
NEVADA		SHERMAN Mtn. -15		NEVADA		White Pine								L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH SOUTH		EAST WEST		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									5903.6										
1208	1501		292° 24'	+15.9	12.6	93° 10'	-82.8	-95.4		5808.2		+930	-1178	1,932,394	454,321				
1209	1830		292° 00'	" "	12.5	93° 24'	-108.3	-120.8		5782.8		+1124	-1444	1,932,588	454,055				
1210	2157		292° 17' 13"	" "	12.7	93° 10'	-119.2	-131.9		5771.7	TP	+1331	-1693	1,932,796	455,807				
1210	2157				8.9	93° 16'	-122.9	-131.8			TP	+1	+1						
	1862		123° 21' 06"	" "+	12.2	89° 30'	-16.2	-4.0			BS	+1411	-1215						
	1862				+6.8	89° 40'	-10.8	-4.0	5767.7		BS	+1	+1						
1211	1542		126° 19'	+15.9	11.9	89° 30'	+13.5	+1.6		5769.3		-1219	+945	1,932,989	455,538				
1212	1226		130° 16'	" "	9.7	89° 30'	+10.7	+1.0		5768.7		-1017	+684	1,933,191	455,277				
1213	917		136° 24'	" "	8.8	89° 30'	+8.0	-0.8		5766.9		-812	+426	1,933,396	455,019				
1214	629		148° 33'	" "	8.1	89° 30'	+5.5	-2.6		5765.1		-606	+169	1,933,602	454,762				
1215	330		157° 08'	" "	7.1	89° 30'	+2.9	-4.2		5763.5		-328	+40	1,933,880	454,633				
1216	0				5.2	-		-5.2		5762.5	X	0	0	1,934,208	454,593				
A	332		320° 40' 27"	+15.9	5.3	-		-5.3		5762.4	A	+305	-132	1,934,513	454,461				
1217	328		330° 10'	" "	6.2	-		-6.2		5761.5		+318	-79	1,934,526	454,514				
1218	656		331° 53'	" "	7.3	-		-7.3		5760.4		+641	-139	1,934,849	454,454				
1219	986		332° 26'	" "	8.2	-		-8.2		5759.5		+966	-199	1,935,174	454,394				
1220	1316		332° 37'	" "	9.7	-		-9.7		5758.0		+1290	-262	1,935,498	454,331				
1221	1646		332° 58'	" "	10.9	-		-10.9		5756.8		+1615	-318	1,935,823	454,275				
1222	1972		332° 17' 13"	" "	12.4	-		-12.4		5755.3	TP	+1930	-404	1,936,138	454,189				
1222	1972				6.6	90° 10'	-5.7	-12.3			TP								

y = 1,934,513 x = 454,461
 usgs 8m 771 EAD
 Horiz. y +16
 CORR. x +20'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8.24.83		B. G. Camp		D. Wrinkle		6834		DU		4		120				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		SHERMAN mtn. -15		NEVADA		White Pine								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
										5755.3				1,936,138	454,189	
	3280		156° 02' 29"	+159°	12.7	89° 40'	-19.1	-6.4	5748.8		BS	+382	-797			
	3280				12.4	270° 20'	-19.1	-6.7			BS	+2				
1223	2954		149° 50'	" "	9.1	89° 40'	+17.2	+8.1		5756.9		-2863	+728	1,936,459	454,121	
1224	2626		150° 29'	" "	8.9	89° 40'	+15.3	+6.4		5755.2		-2552	+618	1,936,770	454,011	
1225	2297		150° 51'	" "	7.3	89° 40'	+13.4	+6.1		5754.9		-2237	+523	1,937,085	453,916	
1226	1967		150° 51'	" "	6.2	89° 40'	+11.4	+5.2		5754.0		-1915	+451	1,937,407	453,844	
1227	1638		150° 19'	+159°	7.3	89° 40'	+9.5	+2.2		5751.0		-1591	+390	1,937,731	453,783	
1228	1312		151° 10'	" "	5.4	89° 40'	+7.6	+2.2		5751.0		-1279	+294	1,938,043	453,687	
1229	987		153° 12'	" "	6.6	89° 40'	+5.7	-0.9		5747.9		-969	+187	1,938,353	453,580	
1230	657		154° 20'	" "	6.7	89° 40'	+3.8	-2.9		5745.9		-647	+111	1,938,675	453,504	
1231	330		153° 02'	" "	6.8	89° 40'	+1.9	-4.9		5743.9		-324	+63	1,938,998	453,456	
1232	0				5.2	-		-5.2		5743.6	X	0	0	1,939,322	453,393	LAST STATION ON ROAD
1233	331		282° 30'	+159°	6.6	90° 30'	-2.9	-9.5		5739.3		+157	-291	1,939,479	453,102	CROSS COUNTRY SHERMAN mtn.
1234	661		283° 48'	" "	6.1	90° 30'	-5.8	-11.9		5736.9		+328	-574	1,939,650	452,819	↓ RAILROAD PASS ↓ 15
1235	991		283° 56'	" "	4.6	90° 30'	-8.7	-13.3		5735.5		+493	-860	1,939,815	452,533	
1236	1317		282° 30'	" "	9.9	90° 10'	-3.8	-13.7		5735.1		+626	-1159	1,939,948	452,234	CROSS COUNTRY
1237	1645		281° 14'	" "	9.6	90° 10'	-4.8	-14.4		5734.4		+750	-1464	1,940,072	451,929	to Sta. 1254
1238	1975		280° 51'	" "	8.9	90° 10'	-5.7	-14.6		5734.2		+889	-1764	1,940,211	451,629	
1239	2304		280° 58'	" "	6.7	90° 10'	-6.7	-13.4		5735.4		+1041	-2055	1,940,363	451,338	
1240	2634		281° 04'	" "	13.4	-		-13.4		5735.4		+1194	-2348	1,940,516	451,045	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
8-24-83		B. Colcamp		D. Wrinkle		6834		D.W. RW		4	121			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
NEVADA		Railroad Pass - 15'		NEVADA		White Pine					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5748.8					
1241	2964		281° 00'	+15.9	11.3	-		-11.3		5737.5		+1341	-2643	1,940,663 450,750
1242	3292		280° 34'	~	7.9	89° 50'	+9.6	+1.7		5750.5		+1467	-2947	1,940,789 450,446
1243	3618		279° 49' 11"	~	9.8	89° 40'	+21.0	+11.2	} 11.3	5760.1	TP	+1570	-3259	1,940,893 450,135
1243	3618				9.5	270° 20'	+21.0	+11.5		TP			"	"
	1638		104° 03' 47"	+15.9	7.2	90° 40'	+19.1	+26.3	} 5786.4		BS	+818	-1419	
	1638			+	12.0	90° 30'	+14.3	+26.3		BS			"	"
1244	1318		105° 14'	~	6.4	91° 10'	-26.8	-33.2		5753.2		-681	+1128	1,941,031 449,845
1245	989		104° 15'	~	8.7	91° 40'	-28.8	-37.5		5748.9		-497	+855	1,941,215 449,572
1246	660		104° 22'	~	8.8	92° 30'	-28.8	-37.6		5748.8		-333	+570	1,941,379 449,287
1247	330		103° 15'	~	10.1	93° 30'	-20.1	-30.2		5756.2		-161	+288	1,941,551 449,005
1248	0				5.2	-		-5.2		5781.2	A	0	0	1,941,712 448,717
1249	328		284° 11'	+15.9	13.1	89° 30'	+2.9	-10.2		5776.2		+164	-284	1,941,876 448,433
1250	638		286° 13'	~	11.8	-		-11.8		5774.6		+350	-557	1,942,062 448,160
1251	988		287° 11'	~	5.5	-		-5.5		5780.9		+539	-828	1,942,251 447,889
1252	1316		285° 55'	~	4.6	89° 50'	+3.8	-0.8		5785.6		+694	-1118	1,942,406 447,599
1253	1644		284° 22' 37"	~	6.7	89° 40'	+9.6	+2.9	} 5789.3		TP	+829	-1420	1,942,542 447,298
1253	1644				11.3	89° 30'	+14.3	+3.0		TP			"	"
	1310		98° 59' 49"	+15.9	7.8	-		+7.8	} 5797.1		BS	+551	-1188	
	1310			+	14.3	74°	-6.6	+7.7		BS			"	"
1254	982		98° 37'	~	7.3	90° 20'	-5.7	-13.0		5784.1		-407	+893	1,942,687 447,004

Back on 610 seismic line

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-24-83		B. Cotcamp		D. Wrinkle		6834		DW AD		4		122			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		RAILROAD PASS-15		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5792.1						
1255	657		98° 15'	+15.9	11.9	91° 20'	-15.3	-27.2		5769.9		-269	+600	1942,825	446,711
1256	330		98° 00'	"	8.3	91° 20'	-7.7	-16.0		5781.1		-134	+302	1,942,960	446,413
1257	0				5.2	-		-5.2		5791.9	TP	0	0	1,943,094	446,111
1258	330		278° 29'	+15.9	11.3	91° 40'	-9.6	-20.9		5776.2		+136	-301	1,943,230	445,810
1259	660		" "	"	6.2	90° 20'	-3.8	-10.0		5787.1		+272	-601	1,943,366	445,510
1260	990		278° 34'	"	5.0	89° 40'	+5.8	+0.8		5797.9		+410	-901	1,943,504	445,210
1261	1320		" "	"	8.9	89° 40'	+7.7	-1.2		5795.9		+547	-1201	1,943,641	444,910
TP	1432		278° 22' 54"	"	8.1	89° 20'	+16.7	+8.6		5805.7	TP	+589	-1305	1,943,684	444,807
TP	1432				12.2	89° 10'	+20.8	+8.6			TP	"	"		
	1526		98° 40' 36"	+15.9	10.3	90° 40'	+17.8	+28.1		5833.8	BS	+635	-1388		
	1526				5.8	90° 50'	+22.2	+28.0			BS	"	"		
1262	1320		98° 36'	"	12.7	91° -	-23.0	-35.7		5798.1		-547	+1201	1,943,773	444,621
1263	990		98° 34'	"	9.9	91° -	-17.3	-27.2		5806.6		-410	+901	1,943,910	444,321
1264	660		97° 30'	"	12.0	92° -	-23.0	-35.0		5798.8		-262	+606	1,944,058	444,026
1265	330		97° 39'	"	9.5	92° -	-11.5	-21.0		5812.8		-132	+303	1,944,188	443,723
1266	0				5.2	-		-5.2		5828.6	TP	0	0	1,944,320	443,420
1267	330		278° 43'	+15.9	5.8	90° 30'	-2.9	-8.7		5825.1		+137	-300	1,944,457	443,120
1268	660		" "	"	7.0	89° -	+11.5	+4.5		5838.3		+275	-600	1,944,595	442,820
1269	990		" "	"	6.8	89° -	+17.3	+10.5		5844.3		+412	-900	1,944,732	442,520

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8-24-83		B. Cotnam		D. Wrinkle		6834		DW		4	123				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
NEURDA		R91/ROAD PASS-15	NEVADA	White Pine					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									58338						
TP	1151		278° 27' 11"	+15.9°	10.4	89° 0'	+20.1	+9.7		5843.5	TP	+475	-1048	1,944,796	442,373
TP	1151				7.0	89° 10'	+16.7	+9.7			TP	"	"		
	2317		36° 37' 55"	"	11.8	91° 30'	+60.7	+72.5			BS	-1409	-1838		
	2317				11.6	268° 30'	+60.7	+72.3	572.43 5915.9		BS	"	"		
1270	2258		32° 46'	"	9.9	91° 40'	-65.6	-75.5		5840.4		+1491	+1695	1,944,879	442,231
4	1955		37° 15' 55"	"	6.8	91° 40'	-56.8	-63.6		5852.3	4	+1172	+1564	1,944,560	442,100
X	0				5.2	-		-5.2		5910.7	X	0	0	1,943,388	440,536
4	947		218° 43' 47"	+15.9°	7.5	87° 40'	+38.5	+31.0		5946.9	4	-548	-772	1,942,840	439,764
1F	1654		217° 19' 57"	"	7.3	87° 40'	+67.3	+60.0		5976.0	TP	-989	-1324	1,942,400	439,213
1F	1654				7.0	272° 20'	+67.3	+60.3	60.15		TP	"	"		
	1784		126° 23' 06"	"	10.6	84°	+8.9	+19.5			BS	+1411	-1091		
	1784				9.1	90° 20'	+10.4	+19.5	5995.5		BS	"	"		
1271	1604		132° 06'	+15.9°	11.5	-		-11.5		5984.0		-1360	+850	1,942,452	438,973
1272	1291		133° 52'	"	9.8	-		-9.8		5985.7		-1115	+650	1,942,697	438,773
1273	968		131° 10'	"	9.8	90° 30'	-8.5	-18.3		5977.2		-812	+526	1,943,000	438,699
1274	654		137° 04'	"	19.2	90° 20'	-3.8	-23.0		5972.5		-583	+297	1,943,229	438,420
1275	326		141° 32'	"	9.9	90° 20'	-1.9	-11.8		5983.7		-301	+125	1,943,511	438,048
1276	0				5.2	-		-5.2		5990.3	X	0	0	1,943,812	438,123
1277	329		312° 41'	"	6.1	88° 30'	+8.6	+2.5		5998.0		+281	-171	1,944,093	437,952
1278	657		312° 36'	"	11.6	88° 30'	+17.2	+5.6		6001.1		+560	-343	1,944,372	437,780

note - 3912 offset
South west
LL J - 1,944,550 x - 442,100
TF T-ENTER.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN.		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-24-83		B. Cotcamp		D. Winkler		6834		DW		4		124			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		RAILROAD PASS - 15'		NEVADA		White Pine								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5995.5						
1279	964		312° 37'	+15.9	9.8	88° 50'	+19.6	+9.8		6005.3		+822	-503	1944,634	437,620
1280	1291		312° 08' 59"	"	11.8	89° -	+22.5	+10.7		6006.3	TP	+1096	-684	1944,909	437,440
1280	1292				14.7	88° 52'	+25.6	+10.9	+10.85		TP	"	"		
	2576		123° 03' 36"	"	8.8	91° 10'	+52.4	+61.2	+61.3		BS	+1943	-1691		
	2576				+8.5	268° 50'	+52.4	+60.9	+60.74		BS	"	"		
1281	2253		121° 35'	+15.9	10.6	91° 20'	-52.4	-63.0		6004.4		-1661	+1523	1945,192	437,273
1282	1944		118° 31'	"	8.9	91° 50'	-62.2	-71.1		5996.3		-1361	+1389	1945,492	437,139
1283	1631		115° 28'	"	11.8	92° 20'	-66.3	-78.1		5989.3		-1078	+1224	1945,775	436,974
1284	1310		114° 13'	"	7.2	92° 20'	-53.3	-60.5		6006.9		-844	+1002	1946,009	436,752
1285	982		113° 06'	"	10.8	92° 36'	-42.8	-53.6		6013.8		-618	+763	1946,235	436,513
1286	654		114° 41'	"	8.7	93° 26'	-38.0	-46.7		6020.7		-425	+497	1946,428	436,247
1287	330		110° 55'	"	9.7	93° 20'	-19.2	-28.9		6038.5		-198	+264	1946,655	436,014
1288	0				5.2	-		-5.2		6062.2	X	0	0	1946,853	435,790
1289	320		317° 41'	+15.9	8.7	91° 10'	-6.5	-15.2		6052.2		+287	-142	1947,140	435,608
1290	648		315° 05'	"	9.2	91° 10'	-13.2	-22.4		6045.0		+567	-314	1947,420	435,436
1291	973		313° 39'	"	9.3	90° 40'	-11.3	-20.6		6046.8		+839	-493	1947,692	435,257
1292	1299		312° 24'	"	10.9	-		-10.9		6056.5		+1105	-683	1947,958	435,067
1293	1616		313° 38'	"	5.5	74°	+8.1	+2.6		6070.0		+1393	-819	1948,246	434,931
1294	1943		312° 18'	"	11.9	89° 10'	+28.3	+16.4		6083.8		+1651	-1024	1948,504	434,726

SURVEY NOTES-HIGH RESOLUTION DATA
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE								
8-24-83		B. Cotcamp		D. Wrinkle		6834		DW		4	125								
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
NEVADA		Railroad Pass-15		NEVADA		White Pine					L.O. Davis								
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									6067.4										
TP	2127		311° 30' 47"	+15.9	10.4	89° 10'	+30.9	+20.5	}	6088.0	TP	+1792	-1145	1948,646	434,606				
TP	2127				10.2	270° 50'	+30.9	+20.7		TP			+	+					
	2613		96° 05' 50"	~	7.9	91° 30'	+68.4	+76.3	}		BS	+978	-2422						
	2613				+7.6	268° 30'	+68.4	+76.0		BS			+	+					
1295	2481		95° 31'	+15.9	8.8	91° 30'	-64.9	-73.7		6090.5		-906	+2316	1948,719	434,495				
1296	2157		96° 11'	~	10.2	91° 40'	-62.7	-72.9		6091.3		-811	+1999	1948,814	434,184				
1297	1831		95° 28'	~	8.4	91° 40'	-53.2	-61.6		6102.6		-667	+1705	1948,958	433,890				
1298	1569		96° 08'	~	9.3	91° 40'	-43.9	-53.2		6111.0		-566	+1399	1949,059	433,584				
1299	1183		96° 48'	+15.9	8.3	91° 40'	-34.4	-42.7		6121.5		-457	+1091	1949,168	433,276				
1300	856		94° 54'	~	10.2	91° 40'	-24.9	-35.1		6129.1		-304	+800	1949,321	432,985				
1301	527		94° 49'	~	9.8	91° 40'	-15.3	-25.1		6139.1		-186	+493	1949,439	432,678				
1302	198		95° 20'	~	7.7	91° 40'	-5.8	-13.5		6150.7		-72	+185	1949,553	432,370				
X	0				5.2	-		-5.2		6159.0	X	0	0	1949,625	432,185				White Pine Co. ↑
1303	130		291° 47'	+15.9	8.1	92° 20'	-5.3	-13.4		6150.8		+79	-103	1949,704	432,082				Eureka Co. ↓
1304	459		294° 44'	~	9.7	92° 20'	-18.7	-28.4		6135.8		+299	-348	1949,924	431,837				
1305	788		296° 40'	~	8.0	92° 20'	-32.1	-40.1		6124.1		+533	-580	1950,158	431,605				
1306	1117		295° 25'	~	8.8	92° 20'	-45.4	-54.2		6110.0		+737	-839	1950,362	431,346				
1307	1441		293° 49'	~	11.4	92° 10'	-54.4	-65.8		6098.4		+921	-1108	1950,546	431,077				
1308	1762		292° 38' 37"	~	9.6	92° 10'	-66.6	-76.2	}	6088.0	TP	+1097	-1377	1950,723	430,809				
1308	1762				14.6	92° -	-61.5	-76.1		TP			+	+					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE								
8-25-83		B. Cotcamp		D. W. Rinkle		6834		Dw		4	126								
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER									
NEVADA		RAILROAD PASS - 15		NEVADA	EUREKA					L.O. Davis									
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
										6088.0									
	2590		93° 17' 18"	+159°	6.1	88°	-90.4	-84.3			BS	+851	-2445						
	2590				+5.8	272°	-90.4	-84.6	6003.6		BS	"	"						
1309	2262		92° 51'	"	12.5	88°	+78.9	+66.4		6070.0		-731	+2141	1950,844	430,506				
1310	1937		91° 25'	"	10.3	88° 10'	+61.9	+51.6		6055.2		-577	+1849	1950,998	430,214				
1311	1609		91° 01'	"	12.1	88° 10'	+51.5	+39.4		6043.0		-468	+1539	1951,107	429,904				
1312	1287		88° 20'	+159°	10.1	88° 10'	+41.2	+31.1		6034.7		-316	+1247	1951,259	429,612				
1313	970		84° 23'	"	8.1	88° 10'	+31.0	+22.9		6026.5		-173	+954	1951,402	429,319				
1314	648		85° 18'	"	11.5	88° 10'	+20.7	+9.2		6012.8		-126	+636	1951,449	429,001				
1315	327		84° 38'	"	5.4	88° 10'	+10.5	+5.1		6008.7		-60	+321	1951,515	428,686				
1316	0				5.2	-		-5.2		5998.4	X	0	0	1951,575	428,365				
1317	328		282° 31'	+159°	5.9	92° 20'	-13.3	-19.2		5984.4		+156	-288	1951,731	428,077				
1318	655		282° 30'	"	12.4	92° 20'	-26.6	-39.0		5964.6		+312	-576	1951,887	427,789				
1319	982		280° 12'	"	12.0	92° 30'	-42.8	-54.8		5948.8		+432	-882	1952,007	427,483				
1320	1295		276° 36'	"	10.6	92° 10'	-48.9	-58.9		5944.7		+496	-1196	1952,071	427,169				
1321	1606		272° 42'	"	10.1	91° 50'	-51.4	-61.5		5942.1		+512	-1522	1952,087	426,843				
1322	1935		272° 06'	"	8.8	91° 40'	-56.3	-65.1		5938.5		+598	-1840	1952,123	426,525				
1323	2257		273° 34'	"	9.2	91° 46'	-69.5	-78.7		5924.9		+752	-2128	1952,327	426,237				
TP	2282		273° 34' 30"	"	13.5	91° 40'	-66.4	-79.9		5923.7	TP	+760	-2151	1952,336	426,215				
TP	2282				13.4	268° 20'	-66.4	-79.8			TP	"	"						

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-25-83		B. Cotcamp		D. Weinkle		6834		DW		4		127			
AREA		TOPO. MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Rq. ROAD Pass - 15		NEVADA		Eureka								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										5923.7					
	2582		112° 06' 11"	+15.9	7.8	88° -	-90.1	-82.3			BS	+1589	-2033		
	2582			+7.6	272	-90.1	-82.5		5841.3		BS	+	+		
1324	2279		112° 43'	" "	9.5	88° 10'	+72.9	+63.4		5904.7		-1422	+1781	1952,504 425,964	
1325	1955		111° 45'	" "	8.3	88° 10'	+62.5	+54.2		5895.5		-1194	+1548	1952,732 425,731	
1326	1638		109° 18'	" "	9.7	88° 40'	+38.4	+28.4		5869.7		-944	+1338	1952,982 425,521	
#	1486		107° 12' 48"	" "	9.6	88° 50'	+30.3	+20.7		5862.0	#	-812	+1244	1953,114 425,427 LAST STA. ON ROAD S-1953,100 x - 425,490 IF 4 WAY INTER.	
1327	1039		31° 58' 14"	+15.9	6.3	-	-	-6.3		5835.0		+697	+771	1954,023 424,954 IF 4 WAY INTER. ELEV. 5835.0	
1328	1318		108° 03'	" "	6.6	89° -	+23.0	+16.4		5852.7		-736	+1093	1953,190 425,276 FIRST STA. ON OLD SEISMIC LINE.	
1328	989		" "	" "	9.4	89° -	+17.3	+7.9		5849.2		-552	+820	1953,374 425,003	
1329	660		" "	" "	11.7	89° 20'	+7.7	-4.0		5837.3		-369	+547	1953,557 424,730	
1330	330		" "	" "	9.2	89° 40'	+1.9	-7.3		5834.0		-184	+274	1953,242 424,457	
1331	0				5.2	-	-	-5.2		5836.1	T	0	0	1953,926 424,183	
1332	330		288° 52'	+15.9	9.3	91° -	-5.8	-15.1		5826.2		+188	-271	1954,114 423,912	
1333	660		" "	" "	10.9	91° 10'	-13.4	-24.3		5812.0		+376	-542	1954,302 423,641	
1334	990		" "	" "	7.4	91° 10'	-20.2	-27.6		5813.7		+565	-813	1954,191 423,370	
1335	1320		288° 36'	" "	10.1	90° 50'	-19.2	-29.3		5812.0		+748	-1088	1954,674 423,095	
1336	1649		288° 23'	" "	7.1	90° 50'	-24.0	-31.1		5810.2		+929	-1363	1954,855 422,820	
1337	1979		288° 09'	" "	10.1	90° 46'	-23.0	-33.1		5808.2		+1108	-1640	1955,034 422,543	
1338	2308		287° 55'	" "	7.9	90° 46'	-26.8	-34.7		5806.6		+1284	-1918	1955,210 422,265	
1339	2638		287° 48'	" "	5.3	90° 40'	-30.7	-36.0		5805.3		+1464	-2195	1955,390 421,988	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8.25.83		B. Cotcamp		D. Wrinkle		6834		DW		4	128				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NEVADA		RAILROAD PASS - 15'		NEVADA		EUREKA					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
	865								5841.3						
1340	2967		287° 42'	+15.9°	10.1	90° 30'	-25.9	-36.0		5805.3		+1642	-2471	1955,568	421,712
1341	3296		287° 38' 34"	" "	12.1	90° 30'	-28.8	-40.9		5800.5	TP	+1821	-2747	1955,749	421,437
1341	3296				11.8	269° 30'	-28.8	-40.6	-40.2		TP	+2	+1		
	2970		106° 52' 25"	" "	7.5	89° 40'	-17.3	-9.8		5790.7	BS	+1608	-2497		
	2970				14.3	87° 32'	-24.2	-9.9			BS	+2			
1342	2640		106° 53'	+15.9°	7.8	89° 40'	+15.4	+7.6		5798.3		-1429	+2220	1955,930	421,160
1343	2310		" "	" "	10.9	89° 40'	+13.4	+2.5		5793.2		-1251	+1942	1956,108	420,882
1344	1980		" "	" "	12.2	89° 40'	+11.5	-0.7		5790.0		-1072	+1665	1956,287	420,605
1345	1650		" "	" "	12.2	89° 40'	+9.6	-2.6		5788.1		-893	+1387	1956,466	420,327
1346	1320		106° 53'	+15.9°	12.3	89° 40'	+7.7	-4.6		5786.1		-715	+1110	1956,644	420,050
1347	990		" "	" "	10.2	89° 40'	+5.8	-4.4		5786.3		-536	+832	1956,823	419,772
1348	660		" "	" "	9.3	89° 40'	+3.8	-5.5		5785.2		-357	+555	1957,002	419,495
1349	330		" "	" "	7.3	89° 40'	+1.9	-5.4		5785.3		-179	+277	1957,180	419,217
1350	0				5.2	-		-5.2		5785.5	X	0	0	1957,359	418,940
1351	330		286° 53'	+15.9°	6.9	-		-6.9		5783.8		+179	-277	1957,538	418,663
1352	660		" "	" "	7.3	-		-7.3		5783.4		+357	-555	1957,716	418,385
1353	990		" "	" "	7.8	-		-7.8		5782.9		+536	-832	1957,895	418,108
section corner	4043		263° 21' 56"	" "	15.0	89° 54'	+7.1	-7.9		5782.8	sec. corner	+651	-3990	1958,010	414,950
1354	1320		286° 53'	" "	8.0	-		-8.0		5782.7		+715	-1110	1958,074	417,830
1355	1650		" "	" "	8.8	-		-8.8		5781.9		+893	-1387	1958,252	417,553

Eureka Co. ↑
 sec. corner 1415
 28782.0 ELKO Co. ↓
 3-1958,010 MORIS Y - 424
 X-414,950 CORN. X - 420

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-25-83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	PW	LINE NO.	4	PAGE	129	
AREA	NEVADA	TOPO MAP	Railroad Pass - 15'	STATE	NEVADA	COUNTY	ELKO	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5790.7					
1356	1980		286° 53'	+15.9°	8.2	-		-8.2		5782.5		+1072	-1665	1,958,431 417,275
1357	2310		" "	" "	10.4	-		-10.4		5780.3		+1251	-1942	1,958,610 416,998
1358	2640		" "	" "	16.5	-		-10.5		5780.2		+1429	-2220	1,958,788 416,720
1359	2966		286° 54' 28"	+16.2°	9.8	-		-9.8		5781.1	TP	+1620	-2484	1,958,979 416,456
1359	2966				9.5	270°		-9.5	5785.7		TP			
	3626		107° 02' 10"	+16.2°	13.0	89° 52'	-8.4	+4.6			BS	+1987	-3033	
	3626				+12.9	270° 08'	-8.4	+4.5			BS			
1360	3297		107° 02'	" "	9.8	89° 54'	+5.8	-4.0		5781.7		-1807	+2758	1,959,159 416,181
1361	2967		" "	" "	9.8	89° 54'	+5.2	-4.6		5781.1		-1626	+2482	1,959,340 415,905
1362	2638		" "	" "	9.2	89° 54'	+4.6	-4.6		5781.1		-1446	+2207	1,959,520 415,630
1363	2308		" "	" "	9.2	89° 54'	+4.0	-5.2		5780.5		-1265	+1931	1,959,701 415,354
1364	1978		107° 02'	+16.2°	8.7	89° 54'	+3.5	-5.2		5780.5		-1084	+1654	1,959,882 415,077
1365	1649		" "	" "	8.2	89° 54'	+2.9	-5.3		5780.4		-904	+1379	1,960,062 414,802
1366	1319		" "	" "	8.3	89° 54'	+2.3	-6.0		5779.7		-723	+1103	1,960,243 414,526
1367	990		" "	" "	7.2	89° 54'	+1.7	-5.5		5780.2		-543	+828	1,960,423 414,251
1368	660		" "	" "	7.0	89° 54'	+1.2	-5.8		5779.9		-362	+552	1,960,604 413,975
1369	330		" "	" "	7.1	89° 54'	+0.6	-6.5		5779.2		-181	+276	1,960,785 413,699
1370	0				5.2	-		-5.2		5780.5	TP	0	0	1,960,966 413,423
1371	330		286° 56'	+16.2°	5.3	89° 54'	+0.6	-4.7		5781.0		+180	-276	1,961,146 413,147
1372	660		287° 00'	" "	6.7	89° 54'	+1.2	-5.5		5780.2		+361	-552	1,961,327 412,871

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-25-83		B. Cotcamp		D. Wrinkle		6834		DW		4		130				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		Railroad Pass-15'		NEVADA		ELKO								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									5785.7							
1373	990		287° 00'	+16.2°	8.0	89° 54'	+1.7	-6.3		5779.4		+542	-828	1961508	412,595	
1374	1320		" "	" "	7.0	89° 54'	+2.3	-4.7		5781.0		+723	-1105	1961689	412,318	
1375	1650		" "	" "	9.0	89° 54'	+2.9	-6.1		5779.6		+903	-1381	1961869	412,042	
1376	1980		" "	" "	9.0	89° 54'	+3.5	-5.5		5780.2		+1084	-1657	1962050	411,766	
1377	2310		287° 00'	+16.2°	8.8	89° 54'	+4.0	-4.8		5780.9		+1265	-1933	1962231	411,490	
1378	2640		" "	" "	9.3	89° 54'	+4.6	-4.7		5781.0		+1446	-2209	1962412	411,214	
1379	2970		" "	" "	9.8	89° 54'	+5.2	-4.6		5781.1		+1626	-2485	1962592	410,938	
1380	3299		287° 02' 38"	+16.4°	9.6	89° 54'	+5.8	-3.8	-36	5782.1	TP	+1818	-2753	1962784	410,670	
1380	3299				9.3	270° 06'	+5.8	-3.5		5782.1	TP					
	2967		107° 28' 41"	+16.4°	6.1	-	-	+6.1				BS	+1654	-2463		
	2967				+5.8	270° -	-	+5.8	+6.0	5788.1	BS					
1381	2640		107° 29'	" "	6.8	-	-	-6.8		5781.3		-1472	+2192	1962966	410,399	
1382	2310		" "	" "	6.7	-	-	-6.7		5781.4		-1288	+1918	1963150	410,125	
1383	1980		" "	" "	6.9	-	-	-6.9		5781.2		-1104	+1644	1963334	409,851	
1384	1650		" "	" "	6.7	-	-	-6.7		5781.4		-920	+1370	1963518	409,577	
1385	1320		107° 29'	+16.4°	6.8	-	-	-6.8		5781.3		-736	+1096	1963702	409,303	
1386	990		" "	" "	6.6	-	-	-6.6		5781.5		-552	+822	1963886	409,029	
1387	660		" "	" "	5.8	-	-	-5.8		5782.3		-368	+548	1964070	408,755	
1388	330		" "	" "	6.0	-	-	-6.0		5782.1		-184	+274	1964254	408,481	
1389	0				5.2	-	-	-5.2		5782.9	TP	0	0	1964438	408,207	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
8-25-83		B. Cotranp		D. Winkle		6834		DW		4	131			
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NEVADA		Railroad Pass-15	NEVADA	ELKO					L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5788.1					
1390	330		286° 52'	+16.4°	5.0	-		-5.0		5783.1		+181	-276	1964,619 407,931
1391	660		" "	" "	4.9	-		-4.9		5783.2		+362	-552	1964,800 407,655
1392	990		287° 00'	" "	5.3	-		-5.3		5782.8		+545	-827	1964,983 407,380
1393	1320		" "	" "	5.8	-		-5.8		5782.3		+727	-1102	1965,165 407,105
1394	1650		287° 02'	" "	5.5	-		-5.5		5782.6		+909	-1377	1965,347 406,830
1395	1980		287° 05'	+16.4°	5.1	-		-5.1		5783.0		+1092	-1651	1965,530 406,556
1396	2310		287° 09'	" "	5.1	-		-5.1		5783.0		+1277	-1925	1965,715 406,282
1397	2640		" "	" "	5.3	-		-5.3		5782.8		+1459	-2200	1965,897 406,007
1398	2967		287° 11' 17"	" "	9.9	89° 54'	+5.2	-4.7			TP	+1641	-2472	1966,079 405,735
1398	2967		" "	" "	9.8	270° 06'	+5.2	-4.6		5783.5	TP			
	2968		107° 04' 00"	" "	+9.4	-		+9.4			BS	+1637	-2476	
	2968		" "	" "	+9.1	270° -		+9.1	5.93	5792.8	BS			
1399	2640		107° 05'	+16.4°	9.8	-		-9.8		5783.0		-1456	+2202	1966,260 405,461
1400	2310		" "	" "	10.3	-		-10.3		5782.5		-1274	+1927	1966,442 405,186
1401	1980		" "	" "	9.8	-		-9.8		5783.0		-1092	+1651	1966,624 404,910
1402	1650		" "	" "	9.2	-		-9.2		5783.6		-910	+1376	1966,806 404,635
1403	1320		107° 05'	" "	9.0	-		-9.0		5783.8		-728	+1101	1966,988 404,360
1404	990		" "	" "	8.4	-		-8.4		5784.4		-546	+826	1967,170 404,085
1405	660		" "	" "	7.8	-		-7.8		5785.0		-364	+550	1967,352 403,809
1406	330		" "	" "	6.4	-		-6.4		5786.4		-182	+275	1967,534 403,534

Enclosure.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.6.83		B. Cotcamp		D. WRinkle		6834		DN		4		132			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		RailRoad Pass-15		NEV.		BLKO								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y
									5792.8						
1407	0				5.2	-		-5.2		5787.6	X	0	0	1967,716	403,259
1408	330		287° 07'	+164°	5.5	-		-5.5		5787.3		+182	-275	1967,898	402,984
1409	660		" "	" "	7.8	TH	+3.3	-4.5		5788.3		+364	-550	1968,080	402,709
1410	990		287° 01'	" "	5.7	89° 50'	+2.9	-2.8		5790.0		+545	-826	1968,261	402,433
1411	1320		286° 58'	" "	6.6	89° 50'	+3.8	-2.8		5790.0		+726	-1102	1968,442	402,157
1412	1650		" "	+164°	7.9	89° 50'	+4.8	-3.1		5789.7		+907	-1378	1968,623	401,881
1413	1980		" "	" "	7.9	89° 50'	+5.8	-2.1		5790.7		+1089	-1654	1968,805	401,605
1414	2310		" "	" "	8.1	89° 50'	+6.7	-1.4		5791.4		+1270	-1929	1968,986	401,330
1415	2640		286° 57' 32"	" "	8.9	89° 50'	+7.7	-1.2	} +1.3	5791.7	TP	+1452	-2205	1969,168	401,054
1415	2640				8.7	270° 10'	+7.7	-1.0			TP				
	2636		106° 10' 59"	+16.4°	8.7	84° -	+13.2	+21.9	} +21.8 5813.5		BS	+1420	-2221		
	2636				8.4	84° 270'	+13.2	+21.6			BS				
1416	2307		106° 11'	" "	7.6	90° 20'	-13.4	-21.0		5792.5		-1242	+1944	1969,346	400,777
1417	1978		" "	" "	8.2	90° 20'	-11.5	-19.7		5793.8		-1065	+1667	1969,523	400,500
1418	1648		" "	" "	8.4	90° 20'	-9.6	-18.0		5795.5		-887	+1389	1969,701	400,222
1419	1319		106° 11'	" "	8.6	90° 20'	-7.7	-16.3		5797.2		-710	+1111	1969,878	399,994
1420	989		" "	" "	7.9	90° 20'	-5.8	-13.7		5799.8		-533	+833	1970,055	399,666
1421	660		" "	" "	7.1	90° 20'	-3.8	-10.9		5802.6		-355	+556	1970,233	399,389
1422	330		" "	" "	6.2	90° 20'	-1.9	-8.1		5805.4		-178	+278	1970,410	399,111
1423	0			" "	5.2	-		-5.2		5808.3	X	0	0	1970,588	398,833

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.6.83		B. Cotcamp		D. Wrinkle		6834		D. W.		4		133			
AREA		TOPO, MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Railroad Pass-15		NEVADA		ELKO								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
									5813.5						
1424	330		286° 27'	+16.4	6.3	89° -	+5.8	-0.5		5813.0		+179	-277	1970,767	398,556
1425	660		" "	" "	6.9	89° 10'	+9.6	+2.7		5816.2		+358	-554	1970,946	398,279
1426	985		" "	" "	8.1	89° 10'	+14.3	+6.2		5819.7		+534	-827	1971,122	398,006
1427	1313		286° 27'	" "	9.3	89° 10'	+19.1	+9.8		5823.3		+712	-1103	1971,300	397,730
1428	1642		286° 21'	" "	6.0	89° 20'	+19.1	+13.1		5826.6		+888	-1381	1971,476	397,452
1429	1969		286° 27'	" "	6.9	89° 20'	+22.9	+16.0		5829.5		+1068	-1654	1971,656	397,179
1430	2301		286° 20'	" "	7.8	89° 20'	+26.8	+19.0		5832.5		+1244	-1936	1971,832	396,897
1431	2630		286° 21' 43"	" "	8.0	89° 20'	+30.6	+22.6	+22.8	5836.3	TP	+1423	-2211	1972,011	396,622
1431	2630				7.7	270° 40'	+30.6	+22.9			TP				
	2641		106° 41' 03"	+16.4	10.1	91° -	+46.1	+56.2	+56.1		BS	+1441	-2212		
	2641				9.8	269° -	+46.1	+55.9		5892.4	BS				
1432	2310		106° 40'	" "	12.3	91° -	-40.3	-52.6		5839.8		-1260	+1936	1972,192	396,346
1433	1980		106° 44'	" "	9.8	91° -	-34.6	-44.4		5848.0		-1082	+1658	1972,370	396,068
1434	1656		106° 50'	" "	10.1	91° -	-28.8	-38.9		5853.5		-904	+1380	1972,548	395,790
1435	1320		106° 59'	" "	6.4	91° 30'	-34.5	-40.9		5851.5		-726	+1102	1972,726	395,512
1436	991		107° 05'	" "	10.0	91° 40'	-28.8	-38.8		5853.6		-547	+827	1972,905	395,237
1437	688		101° 11'	" "	9.7	91° 40'	-20.0	-29.7		5862.7		-319	+610	1973,133	395,020
1438	373		93° 46'	" "	4.7	94° 30'	-29.2	-33.9		5858.5		-129	+350	1973,323	394,760
1439	189		152° 12'	" "	8.8	91° 40'	-18.5	-22.3		5865.1		-136	+27	1973,316	394,437
X	0				5.2	-		-5.2		5887.2	X	0	0	1973,452	394,410

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	9.6.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	PW	LINE NO.	4	PAGE	134	
AREA	NEVADA	TOPO MAP	Railroad Pass-15	STATE	NEV.	COUNTY	ELKO	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5892.4					
1440	227		271° 38'	+16.4	8.9	94°	-15.8	-24.7		5867.7		+70	-216	1973,522 394,194
1441	533		286° 02'	"	7.1	91° 40'	-15.5	-22.6		5869.8		+286	-450	1973,738 393,960
1442	861		286° 26'	"	8.2	90° 50'	-12.5	-20.7		5871.7		+467	-723	1973,919 393,687
1443	1189		" "	"	10.5	90° 20'	-6.9	-17.4		5875.0		+645	-999	1974,097 393,411
1444	1519		286° 24'	"	5.0	90° 20'	-8.8	-13.8		5878.6		+823	-1277	1974,275 393,133
1445	1849		286° 18'	"	10.0	-	-	-10.0		5882.4		+999	-1556	1974,451 392,854
1446	2178		286° 11'	"	4.7	-	-	-4.7		5887.7		+1173	-1835	1974,625 392,525
1447	2505		286° 20' 47"	"	11.2	89° 22'	+27.7	+16.5		5908.9	TP	+1355	-2107	1974,807 392,303
1447	2505			"	5.4	89° 30'	+21.9	+16.5			TP			
	3625	3623.7	106° 58' 40"	+16.4	12.9	91° 32'	+97.0	+109.9			BS	+1994	-3026	
	3625				12.6	268° 28'	+97.0	+109.6		6018.7	BS			
1448	3300	3298.6	107° 06'	"	6.0	91° 40'	-95.9	-101.9		5916.8		-1821	+2751	1974,980 392,028
1449	2970	2968.7	" "	"	11.7	91° 40'	-86.3	-98.0		5920.7		-1639	+2476	1975,162 391,753
1450	2640	2638.7	" "	"	11.2	91° 50'	-84.4	-95.6		5923.1		-1456	+2200	1975,344 391,477
1451	2310	2308.6	107° 09'	"	9.1	92°	-80.6	-89.7		5929.0		-1276	+1924	1975,525 391,201
1452	1980	1978.4	107° 11'	"	10.7	92° 20'	-80.5	-91.2		5927.5		-1094	+1648	1975,706 390,925
1453	1650	1648.6	107° 16'	"	8.8	92° 20'	-67.1	-75.9		5942.8		-914	+1372	1975,887 390,649
1454	1320	1318.7	" "	"	8.7	92° 30'	-57.5	-66.2		5952.5		-731	+1098	1976,070 390,375
1455	990	988.8	107° 28'	"	11.2	92° 50'	-48.9	-60.1		5958.6		-551	+821	1976,250 390,098
1456	660	658.9	107° 40'	"	11.8	93° 10'	-36.4	-48.2		5970.5		-369	+546	1976,431 389,823

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	9.7.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW	LINE NO.	4	PAGE	135	
AREA	NEVADA	TOPO MAP	Railroad Pass - 15'	STATE	NEVADA	COUNTY	ELKO	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									6018.7					
1457	330		107° 40'	+16.4°	10.3	93° 10'	-18.2	-28.5		5990.2		-185	+273	1,976,616 389,550
1458	0				5.2	-		-5.2		6013.5	X	0	0	1,976,801 389,277
1459	330	329.2	287° 07'	" "	5.4	86°	+23.0	+17.6		6036.3		+182	-274	1,976,982 389,003
1460	660	658.4	287° 10'	" "	8.5	86°	+45.9	+37.4		6056.1		+364	-549	1,977,165 388,728
1461	990	987.6	287° 18'	" "	10.1	86°	+68.9	+58.8		6077.5		+548	-822	1,977,349 388,455
1462	1320	1316.8	287° 12'	+16.4°	9.7	86°	+91.9	+82.2		6100.9		+729	-1097	1,977,529 388,180
1463	1650	1646.0	287° 08'	" "	12.2	86°	+114.8	+102.6		6121.3		+909	-1372	1,977,710 387,905
1464	1980	1975.6	287° 03'	" "	10.1	86° 10'	+132.1	+122.0		6140.7		+1089	-1648	1,977,890 387,629
1465	2310	2305.1	287° 00'	" "	14.0	86° 16'	+150.1	+136.1		6154.8		+1269	-1924	1,978,070 387,353
1466	2640	2634.5	" "	" "	8.0	86° 18'	+170.0	+162.0		6180.7		+1450	-2199	1,978,251 387,078
1467	2969	2962.2	287° 00' 36"	" "	13.7	86° 08'	+200.2	+186.5		6205.4	TP	+1631	-2473	1,978,432 386,804
1467	2969				13.4	273° 52'	+200.2	+186.8	-186.73		TP			
	3413	3391.0	112° 35' 14"	+16.4°	13.1	96° 30'	+386.4	+399.5			BS	+2133	-2636	
	3413				12.8	263° 30'	+386.4	+399.2	+399.4	6604.8	BS			
1468	3086	3065.6	113° 15'	" "	10.0	96° 36'	-354.7	-364.7		6240.1		-1956	+2360	1,978,609 386,529
1469	2757	2738.4	113° 41'	" "	8.9	96° 40'	-320.1	-329.0		6275.8		-1763	+2095	1,978,802 386,264
1470	2434	2417.5	115° 04'	" "	11.4	96° 40'	-282.6	-294.0		6310.8		-1601	+1812	1,978,964 385,980
1471	2107	2092.0	116° 15'	" "	11.0	96° 50'	-250.7	-261.7		6343.1		-1417	+1539	1,979,148 385,707
1472	1784	1770.0	118° 03'	" "	12.0	97° 10'	-222.6	-234.6		6370.2		-1240	+1264	1,979,326 385,432
1473	1466	1449.3	120° 46'	" "	8.6	98° 40'	-220.9	-228.9		6375.9		-1063	+985	1,979,502 385,154

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
9-7-83		B. Cotcamp		D. Winkle		6834		DW		4		136				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NEVADA		RAILROAD PASS-15'		NEV.		ELKO								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									6604.8							
1474	1150	1133.7	124° 37'	+16.4	9.4	99° 46'	-193.1	-202.5		6402.3		-881	+713	1,979,684	384,882	
1475	847	831.0	131° 43'	" "	10.6	101° 10'	-164.0	-174.6		6430.2		-706	+439	1,979,860	384,607	
1476	564	548.8	146° 02'	" "	10.7	103° 26'	-130.1	-140.8		6464.0		-523	+166	1,980,042	387,334	
1477	363	351.7	180° 33'	" "	9.2	104° 20'	-89.9	-99.1		6505.7		-336	-103	1,980,229	387,066	
TP	0				5.2	-		-5.2		6599.6	TP	0	0	1,980,565	384,168	OFFLINE ON TOP OF HILL
1478	406	404.1	230° 51'	+16.4	8.7	95° 30'	-38.9	-47.6		6557.2		-156	-373	1,980,409	383,796	LAST STATION ON TP
1479	643	641.4	254° 08'	" "	8.7	85° 58' 24"	+45.2	+36.5		6641.3		+6	-641	1,980,571	383,527	OLD SEISMIC LINE.
1480	956	938.6	261° 00'	" "	8.7	81° 07' 42"	+146.5	+137.8		6742.6		+121	-931	1,980,686	383,238	RAILROAD PASS-15' ↓ MOUNTAIN HILL-15' ↓ CROSS COUNTRY
1481	1271	1244.0	262° 36'	" "	8.7	78° 09' 54"	+260.7	+252.0		6856.8		+195	-1229	1,980,760	382,940	↓ ↓
1482	1595	1549.2	263° 12'	" "	8.7	76° 13' 58"	+379.6	+370.9		6975.7		+258	-1527	1,980,824	382,641	
1483	1920	1861.5	263° 02'	+16.4	8.7	75° 48' 44"	+470.5	+461.8		7066.6		+305	-1836	1,980,870	382,332	
1484	2205	2125.0	261° 12'	" "	8.7	74° 31' 11"	+588.5	+579.8		7184.6		+281	-2106	1,980,846	382,062	
1485	2502	2388.3	258° 26'	" "	8.7	72° 39' 28"	+745.8	+737.1		7341.9		+201	-2380	1,980,766	381,789	
1486	2802	2660.3	255° 53'	" "	8.7	71° 42' 05"	+879.7	+871.0		7425.8		+106	-2658	1,980,671	381,510	
1487	3077	2923.8	259° 21'	" "	8.7	71° 50' 36"	+958.8	+950.1		7554.9		+293	-2909	1,980,858	381,259	
1488	3362	3208.9	262° 00'	" "	8.7	72° 38' 35"	+1003.0	+994.3		7599.1		+469	-3174	1,981,034	380,994	
1489	3669	3499.1	263° 23'	" "	8.7	72° 29' 40"	+1103.6	+1094.9		7699.2		+595	-3448	1,981,160	380,720	
1490	3989	3791.4	263° 38'	" "	8.7	71° 53' 31"	+1239.8	+1231.1		7835.9		+661	-3733	1,981,226	380,435	
TP	4103	3917.0	266° 42' 01"	" "	8.7	72° 41' 07"	+1221.1	+1212.4		7817.2	TP	+888	-3815	1,981,453	380,353	
TP	4103			" "	8.7	287° 18' 53"	+1221.1	+1212.4			TP					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
9.8.83		B. Cotcamp		D. Winkle / W. Greenfield		6834		DN		4	137			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
NEVADA		Mineral H. 11-15'		NEVADA		Elko					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										7817.2				
	3590	3476.4	103° 41' 59"	+16.4	10.1	75° 33'	-895.8	-885.7	6931.5		BS	+1743	-3008	
	3590				10.0	284° 27'	-895.8	-885.8			BS			
1491	3503	3391.4	103° 46'	~	6.9	75° 30'	+877.1	+870.2		7801.7		-1704	+2932	1,981,492 380,278
1492	3181	3086.5	104° 22'	~	3.9	76° -	+269.6	+265.7		7697.2		-1579	+2652	1,981,618 379,998
1493	2909	2835.6	107° 28'	~	12.4	77° 06'	+649.4	+637.0		7568.5		-1580	+2354	1,981,616 379,700
1494	2645	2590.4	111° 10'	~	12.4	78° 20'	+534.9	+522.5		7454.0		-1579	+2053	1,981,617 379,399
1495	2366	2328.9	114° 30'	~	7.8	79° 50'	+417.6	+409.8		7341.3		-1525	+1760	1,981,672 379,106
1496	2062	2032.7	117° 21'	+16.4	9.8	80° 20'	+346.2	+336.4		7267.9		-1466	+1468	1,981,791 378,814
1497	1788	1772.7	122° 03'	~	9.7	82° 30'	+233.4	+223.7		7155.2		-1327	+1176	1,981,870 378,521
1498	1487	1476.3	126° 36'	~	16.5	83° 08'	+177.8	+167.3		7098.8		-1179	+888	1,982,017 378,234
1499	1178	1170.6	129° 49'	~	14.8	83° 34'	+132.0	+117.2		7048.7		-973	+651	1,982,224 377,997
1500	853	848.6	130° 28'	~	18.0	84° 09'	+86.9	+68.9		7000.4		-711	+464	1,982,486 377,809
1501	611	606.7	145° 26'	~	7.5	83° 10'	+72.7	+65.2		6996.7		-576	+189	1,982,620 377,535
1502	411		173° 39'	~	13.7	92° 50'	-20.3	-34.0		6897.5		-404	-72	1,982,792 377,274
X	0				5.2	-		-5.2		6926.3	X	0	0	1,983,196 377,346
1503	507	500.8	212° 11'	+16.4	7.5	99° -	-79.3	-86.8		6844.7		-331	-376	1,982,865 376,970
TP	613	605.1	222° 48' 30"	~	5.8	99° 10'	-97.7	-103.5		6828.0	TP	-310	-520	1,982,887 376,826
TP	613				12.9	98° 30'	-90.6	-103.5			TP			
	212	210.5	57° 17' 38"	~	14.0	96° 50'	+25.2	+39.2			BS	-59	-202	
	212				13.4	97° -	+25.8	+39.2	6867.2		BS			

Offline on Ridge

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.8.83		B. Cotcamp		D. Wrinkle / K. Greenfield		6834		D J		4		139			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		MINERAL Hill-15		NEV.		Esco Eureka								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										6616.6					
	1108	1105.3	75° 45' 55"	+16.4	8.4	86° -	-77.3	-68.9			BS	+42	-1105		
	1108				5.2	86° 10'	-74.1	-68.9	6547.7		BS				
1513	867		62° 43'	"	8.1	87° 40'	+35.3	+27.2		6574.9		+164	+851	1,984,879	374,554 FIRST STATION Back on
1514	554		54° 39'	"	6.2	89° 10'	+8.1	+1.9		6549.6		+180	+524	1,984,816	374,227 ROAD
1515	234		42° 42'	"	9.9	87° 20'	+10.9	+1.0		6548.7		+120	+201	1,984,836	373,904
π	0				5.2	-		-5.2		6542.5	π	0	0	1,984,716	373,703 OFF ROAD
1516	124		270° 50'	+16.4	7.0	87° 20'	+5.8	-1.2		6546.5		+37	-118	1,984,752	373,585
1517	408	406.3	228° 22'	"	8.2	95° 10'	-36.7	-44.9		6502.8		-173	-368	1,984,542	373,336
1518	724	719.8	220° 30'	"	14.8	96° 12'	-78.2	-93.0		6454.7		-393	-603	1,984,323	373,100
1519	953	944.1	205° 27'	"	18.5	97° 50'	-129.9	-148.4		6399.3		-703	-630	1,984,012	373,073
TP	1127	1116.9	205° 14' 31"	"	7.6	97° 40'	-150.4	-158.0		6389.7	TP	-835	-742	1,983,881	372,961
TP	1127				10.9	97° 30'	-147.1	-158.0			TP				
	601	599.2	94° 21' 05"	+16.4	8.6	85° 30'	-47.2	-38.6			BS	+212	-560		
	601				6.8	85° 40'	-45.4	-38.6	6351.1		BS		"		
1520	460		99° 55'	"	8.1	85° 40'	+34.8	+26.2		6377.8		-204	+412	1,983,889	372,815
1521	203		135° 37'	"	8.0	87° 10'	+10.0	+2.0		6353.1		-179	+95	1,983,914	372,498
W	406		142° 52' 45"	"	5.1	87° 20'	+18.9	+13.8		6364.9		-380	+144	1,983,713	372,547
W	94		139° 13' 29"	"	4.0	87° 20'	+4.4	+0.4		6351.5		-86	+39	1,984,007	372,442
π	0				5.2	-		-5.2		6345.9	π	0	0	1,984,093	372,403
π	11		263° 03' 43"	"	5.6	-		-5.6		6345.5		+2	-11	1,984,093	372,392

4-1984.150 x - 372,425
 1/2 J.T.H.P. ELEV. 6348.6

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
9.8.83		B. Cotnam		D. Wrinkle / w. Greenfield		6834		DW		4	140			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
NEVADA		MINERAL Hill -15'		NEV.		Elko Eureka								
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.	
									6351.1					
1522	124		291° 13'	+16.4	6.0	92° 40'	-5.8	-11.8		6339.3		+76	-98	1984,169 372,305
1523	451		283° 34'	"	10.1	93° -	-23.6	-33.7		6317.4		+225	-391	1984,218 372,012
1524	777		288° 26' 50"	+16.5	7.2	93° -	-40.7	-47.9		6303.2	TP	+444	-636	1984,535 371,769
1524	777			"	5.0	93° 10'	-42.9	-47.9			TP	-2	+2	
	469		139° 26' 04"	"	+6.3	87° 10'	-23.2	-16.9	6286.3		BS	+428	-191	
	469			"	+5.0	87° 20'	-21.8	-16.8			BS	-2	+2	
1525	146		135° 17'	"	7.2	86° 50'	+8.1	+0.9		6287.2		-129	+69	1984,832 371,649
π	0			"	5.2	-	-	-5.2		6281.1	π	0	0	1984,961 371,580
1526	184		310° 33'	+16.5	6.3	91° 20'	-4.3	-10.6		6275.7		+154	-100	1985,115 371,480
1527	511		316° 35' 15"	"	13.3	91° 20'	-11.9	-25.2		6261.1	TP	+456	-231	1985,415 371,351
1527	511			"	11.8	91° 30'	-13.4	-25.2			TP	-2	+2	
	1102		124° 48' 53"	"	+8.5	87° 10'	-54.5	-46.0			BS	+859	-688	
	1102			"	+5.3	87° 20'	-51.3	-46.0	6215.1		BS	-2	+2	
1528	776		126° 22'	"	7.8	87° 20'	+36.1	+28.3		6243.4		-619	+468	1985,653 371,133
1529	461		135° 11'	+16.5	7.4	87° 20'	+21.4	+14.0		6229.1		-406	+219	1985,866 370,884
1530	135		139° 06'	"	6.8	86° 10'	+9.0	+2.2		6217.3		-123	+56	1986,149 370,721
π	0			"	5.2	-	-	-5.2		6209.9	π	0	0	1986,277 370,665
1531	193		322° 48'	"	5.1	92° 20'	-7.9	-13.0		6202.1		+181	-68	1986,453 370,597
1532	522		328° 10'	"	5.6	92° 20'	-21.2	-26.8		6188.3		+503	-138	1986,775 370,527

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.12.83		B. Cotcamp		D. Wrinkle		6834		D.W.		4		141			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Mineral Hill - 15'		NEVADA		Elko Eureka								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
1533	849		328° 08'	+16.5	6.4	92° 20'	-34.5	-40.9	6215.1	6174.2		+819	-225	1987,091	370,440
TP	965		327° 29' 46"	" "	7.5	92° 20'	-39.3	-46.8		6168.3	TP	+927	-266	1987,197	370,401
TP	965				10.3	92° 16'	-36.5	-46.8			TP	-2	+2		
	645		127° 47' 56"	" +	6.3	88° 10'	-20.6	-14.3			BS	+524	-376		
	645			+	8.2	88° 00'	-22.5	-14.3	6154.0		BS	-2	+2		
1534	430		126° 02'	" "	8.0	88° 10'	+13.8	+5.8		6159.8		-341	+262	1987,378	370,289
1535	101		128° 24'	" "	6.8	88° 10'	+3.2	-3.6		6150.4		-83	+58	1987,636	370,085
X	0				5.2	-		-5.2		6148.8	X	0	0	1987,719	370,027
1536	228		302° 51'	+16.5	6.7	93° 40'	-14.6	-21.3		6132.7		+173	-149	1987,892	369,878
1537	555		308° 33'	" "	7.7	92° 50'	-22.4	-35.1		6118.9		+455	-318	1988,174	369,709
TP	731		307° 12' 45"	" "	6.8	92° 50'	-36.1	-42.9		6111.1	TP	+589	-432	1988,306	369,597
TP	731				8.9	92° 40'	-34.0	-42.9			TP	-2	+2		
	537		117° 10' 04"	" +	10.2	86° 40'	-31.2	-21.0			BS	+370	-388		
	537			+	8.7	86° 50'	-29.7	-21.0	6090.1		BS	-2	+2		
1538	394		124° 37'	" "	7.9	87° 10'	+19.5	+11.6		6101.7		-307	+247	1988,367	369,458
1539	74		135° 52'	" "	5.3	87° 40'	+3.0	-2.3		6082.8		-66	+34	1988,608	369,245
X	0				5.2	-		-5.2		6084.9	X	0	0	1988,674	369,211
1540	254		280° 11'	" "	7.6	92° 40'	-11.8	-19.4		6070.7		+114	-227	1988,788	368,984
TP	301		281° 11' 59"	" "	7.6	92° 40'	-14.0	-21.6		6068.5	TP	+140	-266	1988,812	368,947
TP	301				8.5	92° 30'	-13.1	-21.6			TP	-2	+2		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-12-83		B. Catcamp		D. Wankle		6834		D W		4		142			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Mineral Hill-15		NEVADA		Elko Eureka								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.		Y
										6068.5					
	571		106° 04' 35"	+16.5	8.5	87° 30'	-24.9	-16.4	6052.1		BS	+307	-481		
	571			+6.9	87° 40'	-23.2	-16.3			BS		-2	+2		
1541	291		105° 46'	" "	7.9	88° 20'	+8.5	+0.6		6052.7		-155	+246	1988,962	368,714
YI	19		83° 46' 30"	" "	5.1	88° 20'	+0.6	-4.5		6047.6	YI	-3	+19	1989,114	368,487
X	0				5.2	-		-5.2		6046.9	X	0	0	1989,117	368,468
1542	42		311° 00'	" "	5.6	92° 30'	-1.8	-7.4		6044.7		+35	-23	1989,152	368,445
1543	367		287° 29'	" "	9.8	93° -	-19.2	-29.0		6023.1		+205	-304	1989,322	368,164
1544	693		283° 41' 05"	" "	5.8	93° 20'	-40.3	-46.1	6006.0		TP	+348	-598	1989,463	367,872
1544	693				9.8	93° -	-36.3	-46.1			TP	-2	+2		
	330		92° 18' 59"	+16.5	4.4	86° 40'	-19.2	-14.8	5991.2		BS	+106	-312		
	330			+5.3	86° 30'	-20.1	-14.8				BS	-2	+2		
1545	0				5.2	-		-5.2		5986.0	X	0	0	1989,567	367,562
TP	227		252° 43' 59"	" "	6.1	92° 30'	-9.9	-16.0	5975.1		TP	-3	-227	1989,562	367,337
TP	227				5.5	92° 40'	-10.6	-16.1			TP	-2	+2		
	161		89° 32' 59"	" "	2.5	88° -	-5.6	-3.1	5972.0		BS	+44	-155		
	161			+2.0	88° 10'	-5.2	-3.1				BS	-2	+2		
1546	65		72° 42'	" "	2.8	88° 10'	+2.1	-0.7		5971.3		+1	+65	1989,605	367,249
X	0				5.2	-		-5.2		5966.8	X	0	0	1989,604	367,184
1547	263		249° 38'	" "	3.7	93° -	-13.7	-17.4		5954.6		-18	-262	1989,586	366,922

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
9.12.83		B. Cotcamp		D. Wrinkle		6834		Dw		4	143				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NEVADA		MINERAL Hill-15		NEVADA		Elko EUREKA					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5972.0						
TP	335		246° 49' 17"	+16.5	3.7	93° -	-7.5	-21.2		5950.8	TP	-39	-332	1989,563	366,854
TP	335				4.6	92° 50'	-16.6	-21.2			TP	-2	+2		
	208		51° 12' 18"	v u +	4.1	88° 20'	-6.0	-1.9			BS	-79	-192		
	208				+3.5	88° 30'	-5.4	-1.9	5948.9		BS	-2	+2		
X	0				5.2	-		-5.2		5943.7	X	0	0	1989,482	366,664
1548	59		287° 15'	" "	4.5	92° 30'	-2.6	-7.1		5941.8		+33	-49	1989,515	366,615
TP	259		286° 30' 07"	" "	7.4	92° 40'	-12.1	-19.5		5929.4	TP	+141	-217	1989,621	366,449
TP	259				8.1	92° 30'	-11.3	-19.4			TP	-2	+2		
	334		130° 51' 41"	+16.5	4.1	87° 30'	-14.6	-10.5	5918.9		BS	+281	-180		
	334				+5.1	87° 20'	-15.5	-10.4			BS	-2	+2		
1549	202		127° 26'	" "	5.0	87° 30'	+8.8	+3.8		5922.7		-163	+119	1989,737	366,390
X	0				5.2	-		-5.2		5913.7	X	0	0	1989,900	366,271
1550	125		291° 48'	" "	5.1	92° 10'	-4.7	-9.8		5909.1		+77	-98	1989,977	366,173
TP	382		287° 36' 42"	" "	4.3	92° 20'	+5.6	-19.9		5899.0	TP	+214	-316	1989,112	365,957
TP	382				5.4	92° 10'	-14.4	-19.8			TP	-2	+2		
	185		100° 29' 11"	" "	+3.9	88° -	-6.5	-2.6			BS	+84	-165		
	185				+3.3	88° 10'	-5.9	-2.6	5896.4		BS	-2	+2		
1551	118		101° 38'	" "	4.8	87° 40'	+4.8	±0.0		5896.4		-56	+104	1990,138	365,898
X	0				5.2	-		-5.2		5891.2	X	0	0	1990,194	365,794

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
9.12.83		B. Cotcamp		D. Wrinkle		6834		DW		4	144				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NEVADA		Mineral Hill - 15		NEVADA		Elko Eureka					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5896.4						
1552	205		274° 38' 04"	+16.5	7.8	92° 10'	-7.8	-15.6		5880.8	TP	+74	-191	1990,266	365,605
1552	205				6.6	92° 30'	-8.9	-15.5			TP	-2	+2		
	596		108° 08' 31"	"	5.4	86° 40'	-34.7	-29.3		5851.5	BS	+338	-490		
	596				+3.7	86° 50'	-32.9	-29.2			BS	-2	+2		
1553	269		110° 10'	"	7.4	87° 30'	+11.7	+4.3		5855.8		-161	+216	1990,441	365,933
	0				5.2	-		-5.2		5846.3	TP	0	0	1990,602	365,117
1554	73		333° 04'	"	5.7	91° 30'	-1.9	-7.6		5843.9		+72	-13	1990,627	365,104
1555	400		319° 56'	"	8.9	91° 40'	-11.6	-20.5		5831.0		+367	-160	1990,919	364,957
TP	698		317° 57' 06"	"	12.1	91° 40'	-20.3	-32.4			TP	+629	-301	1991,229	364,818
TP	698				14.2	91° 30'	-18.3	-32.5		5819.0	TP	-2	+2		
	639		103° 41' 58"	+16.5	7.5	90° 40'	+7.4	+14.9			BS	+321	-552		
	639				+5.6	90° 50'	+9.3	+14.9		5833.9	BS	-2	+2		
1556	619		102° 37'	"	6.5	90° 50'	-9.0	-15.5		5818.4		-301	+541	1991,247	364,809
	314		105° 53' 53"	"	7.7	92° 50'	-18.5	-26.2		5807.7		-200	+315	1991,348	364,583
1557	296		108° 13'	"	9.3	93° 10'	-16.3	-25.6		5808.3		-169	+243	1991,379	364,511
	0				5.2	-		-5.2		5828.7	TP	0	0	1991,548	364,268
1558	28		252° 34'	"	5.2	91° 20'	-0.7	-5.9		5828.0		+0	-28	1991,548	364,240
1559	351		217° 49'	"	4.1	91° 20'	-8.2	-12.3		5821.6		-205	-285	1991,343	363,983
1560	681		217° 05'	"	6.0	91° -	-11.9	-17.9		5816.0		-404	-548	1991,144	363,720
1561	1011		" "	"	10.1	91° -	-17.6	-27.7		5806.2		-600	-814	1991,948	363,454

y - 1991,360 x - 364,510
y - intersect.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
9.12.83		B Cotcamp		D. Wriukle		6834		DU		4	145				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NEVADA		MINERAL Hill-15'		NEVADA		ELKO EUREKA					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5833.9						
TP	1167		216° 16' 26"	+16.3	10.2	91° 10'	-23.8	-34.0		5799.9	TP	-709	-927	1990,838	363,342
TP	1167				13.6	91° -	-20.4	-34.0			TP	-	+		
	833		26° 34' 43"	" "	9.5	87° 40'	-33.9	-24.4			BS	-610	-566		
	833				+7.1	87° 50'	-31.5	-24.4	5775.5		BS	-	+		
1562	660		26° 35'	" "	4.1	87° 40'	+26.8	+22.7		5798.2		+484	+449	1990,711	363,226
1563	330		" "	" "	6.7	87° 40'	+13.4	+6.7		5782.2		+242	+225	1990,469	363,002
1564	0				5.2	-		-5.2		5770.3	T	0	0	1990,227	362,777
1565	330		206° 13'	" "	7.4	92° 10'	-12.5	-19.9		5755.6		-243	-223	1989,984	362,554
1566	660		" "	+16.3	7.2	92° 10'	-24.9	-32.1		5743.4		-486	-446	1989,741	362,331
1567	985		209° 03'	" "	7.5	92° 10'	-32.2	-44.7		5730.8		-692	-701	1989,535	362,076
1568	1295		214° 47' 04"	" "	11.7	92° 10'	-49.0	-60.7	60.6	5714.9	TP	-813	-1007	1989,413	361,771
1568	1295				14.6	92° 02'	-45.9	-60.5			TP	-	"		
	759		9° 54' 24"	" "	8.1	91° -	+13.2	+21.3			BS	-681	-335		
	759				+10.2	90° 50'	+11.0	+21.2	5736.1		BS	-	+		
T	608		347° 05' 01"	" "	8.2	93° -	-31.8	-40.0		5696.1	T	+606	+36	1989,337	361,473
1569	589		347° 41'	" "	9.7	93° -	-30.8	-40.5		5695.6		+588	+41	1989,319	361,478
1570	307		08° 43'	" "	9.7	93° -	-16.0	-25.7		5710.4		+278	+130	1989,009	361,567
1571	0				5.2	-		-5.2		5730.9	T	0	0	1988,731	361,437
1572	330		195° 52'	+16.3	5.9	88° 40'	+7.7	+1.8		5737.9		-279	-176	1988,452	361,261

15-1989,310 x 361,480
T-T-Intersect

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
9.12.83		B. Cotcamp		D. Wrinkle		6834		DN		4	146				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NEVADA		Mineral Hill-15'		NEVADA		Eureka					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5736.1						
TP	522		199° 24' 19"	+16.3	14.2	88° 40'	+12.1	-2.1		5734.0	TP	-424	-305	1988,305	361,133
TP	522				12.7	88° 50'	+10.6	-2.1			TP	-2	+		
	1411		29° 37' 57"	+16.1	13.7	87° 40'	-57.4	-43.7	-43.8		BS	-984	-1010		
	1411				13.5	272° 20'	-57.4	-43.9	5690.2		BS	-2	+		
1573	1275		29° 23'	"	10.1	87° 50'	+48.2	+38.1		5720.3		+894	+909	1988,213	361,033
1574	946		28° 47'	"	11.9	87° 50'	+35.7	+23.8		5714.0		+670	+668	1987,989	360,792
1575	619		25° 09'	"	8.9	87° 50'	+23.4	+14.5		5705.7		+465	+408	1987,784	360,532
1576	291		22° 29'	"	8.1	87° 50'	+11.0	+2.9		5693.1		+227	+181	1987,546	360,305
II	105		23° 02' 32"	"	4.7	88° 50'	+2.1	-2.6		5687.6	II	+81	+66	1987,400	360,190
1577	135		304° 59'	"	5.3	90° 40'	-1.6	-6.9		5683.3		+105	-85	1987,424	360,039
X	0				5.2	-		-5.2		5685.0	X	0	0	1987,319	360,124
Sec corner	176		220° 39' 05"	+16.1	5.0	90° 30'	-1.5	-6.5		5683.7	Sec. corner	-96	-147	1987,223	359,977
1578	444		280° 06'	"	9.1	91° 30'	-11.6	-20.7		5669.5		+196	-398	1987,515	359,726
1579	733		264° 07'	"	12.0	90° 26'	-5.5	-17.5		5672.7		+130	-721	1987,449	359,403
1580	1051		264° 20' 03"	"	11.2	-		-11.2		5679.0	TP	+190	-1034	1987,512	359,091
1580	1051				14.3	89° 50'	+3.1	-11.2			TP	+3	+		
	243		83° 40' 09"	+16.1	5.7	88° 30'	-6.4	-0.7			BS	+41	-239		
	243				5.0	88° 40'	-5.7	-0.7	5678.3		BS	+3	+		
X	0			"	5.2	-		-5.2		5673.1	X	0	0	1987,556	358,853
1581	92		305° 10'	"	7.0	92° 50'	-4.5	-11.5		5666.8		+72	-58	1987,628	358,795

1987,400 X-360,190
 1987,400 X-360,190
 1987,400 X-360,190
 1987,200 X-359,980
 U.S. General Land Office
 1924 1/4 Sec. 22/23

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	9.13.83	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Wrinkle	PARTY NUMBER	6834	NOTES CHECKED BY	DW	LINE NO.	4	PAGE	147	
AREA	NEVADA	TOPO MAP	Mineral Hill-15'	STATE	NEVADA	COUNTY	EUREKA	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS	
														Y	X		
									5678.3								
1582	416		301° 39'	+16.1°	6.7	92° 20'	-16.9	-28.6		5654.7		+310	-278	1987866	358.575		
1583	733		293° 11'	"	8.8	92°	-25.6	-34.4		5643.9		+464	-567	1988020	358.286		
TP	787		294° 02' 22"	"	9.2	92°	-27.5	-36.7		5641.6	TP	+507	-601	1988066	358.253		
TP	787				11.5	91° 50'	-25.2	-36.7			TP	+3	"				
	1307		101° 04'	+16.1°	11.0	04	+6.5	+17.5			BS	+597	-1163				
	1307				10.9	04 27°	+6.5	+17.4	5659.0		BS	+3	+1				
1584	1069		96° 11'	"	9.4	91° 10'	-21.8	-31.2		5627.8		-405	+989	1988261	358.080		
1585	742		96° 13'	"	9.0	92° 30'	-32.3	-41.3		5617.7		-282	+686	1988384	357.777		
1586	428		106° 07'	"	11.2	94° 10'	-31.0	-42.2		5616.8		-228	+362	1988438	357.453		
1587	136		98° 51'	"	11.2	94° 10'	-9.9	-21.1		5637.9		-57	+123	1988609	357.214		
TP	0				5.2	-		-5.2		5653.8	TP	0	0	1988666	357.091		
1588	162		216° 43'	+16.1°	5.5	-		-5.5		5653.5		-111	-118	1988555	356.973		
1589	474		216° 54'	"	7.1	89° 40'	+2.8	-4.3		5654.7		-285	-379	1988381	356.712		
1590	748		234° 35'	"	7.0	89° 40'	+4.4	-2.6		5656.4		-247	-706	1988419	356.385		
1591	1066		240° 40'	"	12.8	89° 42'	+5.6	-7.2		5651.8		-244	-1038	1988422	356.053		
1592	1388		242° 49'	"	12.0	89° 46'	+5.6	-6.4		5652.6	TP	-267	-1362	1988399	355.729		
1593	1710		242° 56' 48"	"	11.7	89° 42'	+9.0	-2.7		5656.3	TP	-325	-1679	1988344	355.413		
1593	1710				11.6	270° 18'	+9.0	-2.6			TP	+3	"				
	709		66° 52' 14"	+16.1°	13.2	87° 10'	-35.0	-21.8	5634.5		BS	-87	-703				
	709				13.3	272° 50'	-35.0	-21.7			BS	+3	+1				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
9-13-83		B. Cotcamp		D. Wrinkle		6834		DW		4		148							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
NEVADA		Mineral Hill-15'		NEV		Eureka								L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									5634.5										
1594	431		83° 02'	+76.1°	7.8	88° 50'	+8.8	+1.0		5635.5		-68	+426	1988,192	355,137				
1595	131		91° 41'	"	7.0	89° -	+2.3	-4.7		5629.8		-40	+125	1988,220	354,836				
π	0				5.2	-		-5.2		5629.3	π	0	0	1988,210	354,711				
1596	195		256° 43'	+16.1°	8.2	91° 40'	-5.7	-13.9		5620.6		+10	-195	1988,270	354,516				
1597	524		256° 02'	"	5.1	90° 20'	-3.0	-8.1		5626.4		+20	-524	1988,280	354,187				
π	672		257° 29' 51"	"	6.5	90° 20'	-3.9	-10.4		5624.1	π	+42	-671	1988,302	354,040				Key-intersect. elev. 5627.6
TP	724		260° 22' 20"	"	9.7	90° 20'	-4.2	-13.9		5620.6	TP	+82	-719	1988,345	353,993				
TP	724				11.8	90° 10'	-2.1	-13.9			TP	+3	"						
	321		113° 14' 35"	"	4.3	89° -	-5.6	-1.3			BS	+203	-248						
	321				+3.4	89° 10'	-4.7	-1.3	5619.3		BS	+3	+1						
1598	202		111° 04'	"	6.2	88° 30'	+5.3	-0.9		5618.4		-122	+161	1988,429	353,907				
π	0				5.2	88° 36'		-5.2		5614.1	π	0	0	1988,551	353,746				
1599	122		273° 48'	+16.1°	5.3	91° 10'	-2.5	-7.8		5611.5		+42	-115	1988,593	353,631				
1600	449		277° 47'	"	8.0	91° 10'	-9.1	-17.1		5602.2		+182	-411	1988,733	353,335				
TP	629		278° 56' 28"	"	12.8	91° 10'	-12.8	-25.6		5593.7	TP	+266	-570	1988,820	353,177				
TP	629				14.6	91° -	-11.0	-25.6			TP	+3	"						
	803		126° 23' 53"	+16.3°	11.6	87° 30'	-35.0	-23.4			BS	+638	-486						
	803				+13.9	87° 20'	-37.4	-23.5	5570.2		BS	+2	+1						
1601	651		124° 11'	"	5.5	88° 20'	+18.9	+13.4		5583.6		-502	+414	1988,958	353,106				
1602	328		117° 37'	"	6.6	88° -	+11.4	+4.8		5575.0		-228	+236	1988,232	352,928				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-13-83		B. Cotcamp		D. Winkle		6834		DW		4		149			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		MINERAL Hill-15'		NEV.		FUREKA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
1603	0				5.2	-		-5.2	5570.2						
1604	330		302° 46'	+16.3	9.0	91° 50'	-10.6	-19.6	5550.6		X	0	0	1989,460	352,692
1605	660		300° 50'	"	8.2	91° 50'	-21.1	-29.3	5540.9			+249	-216	1989,709	352,476
1606	984		305° 02'	"	7.1	91° 46'	-28.6	-35.7	5534.5			+484	-449	1989,944	352,243
1607	1308		302° 16' 39"	"	7.1	91° 40'	-38.0	-45.1	5525.1		TP	+768	-615	1990,228	352,077
1607	1308				10.9	91° 30'	-34.2	-45.1			TP	+980	-865	1990,442	351,828
	1596		97° 07' 06"	+16.3	10.5	88° -	-55.7	-45.2			BS	+634	-1464		
	1596				5.9	88° 10'	-51.1	-45.2	5479.9		BS	+2	+1		
1608	1288		92° 25'	"	6.0	88° 20'	+37.4	+31.4	5511.3			-413	+1220	1990,665	351,585
1609	961		91° 00'	"	6.7	88° 20'	+27.9	+21.2	5501.1			-286	+918	1990,792	351,283
1610	645		84° 06'	"	8.4	88° 20'	+18.8	+10.4	5490.3			-116	+634	1990,962	350,999
1611	330		77° 20'	"	9.2	88° 20'	+9.6	+0.4	5480.3			-21	+329	1991,057	350,694
1612	0				5.2	-		-5.2	5474.7		X	0	0	1991,078	350,365
1613	325		279° 20'	+16.3	6.2	92° 10'	-12.3	-18.5	5461.4			+141	-293	1991,219	350,072
1614	649		278° 40'	"	8.7	92° 10'	-24.5	-33.2	5446.7			+274	-588	1991,352	349,777
1615	978		281° 54'	"	7.3	92° 10'	-37.0	-44.3	5435.6			+462	-862	1991,540	349,503
1616	1297		284° 55'	"	8.9	91° 50'	-41.5	-50.4	5429.5			+672	-1109	1991,750	349,256
1617	1618		282° 53'	"	9.2	91° 50'	-51.7	-60.9	5419.0			+789	-1413	1991,867	348,952
1618	1909		278° 03' 42"	"	13.5	92° -	-66.6	-80.1	5399.9		TP	+787	-1738	1991,867	348,628
1618	1909				13.3	268° -	-66.6	-79.9			TP	+2	"		

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.13.83		B. Cotcamp		D. Wrinkle		6834		DW		4		150			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		Mineral Hill -15		NEV.		EUREKA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										5399.9					
	1960		70° 13' 34"	+16.3	9.3	88° 50'	-39.9	-30.6			BS	-119	-1956		
	1960			+9.2	271 10		-39.9	-30.7	5369.2		BS	+2			
1619	1636		71° 16'	"	10.3	88° 50'	+33.3	+23.0		5392.2		+69	+1635	1991,819	348,307
1620	1306		71° 12'	"	11.1	88° 50'	+26.6	+15.5		5384.7		+57	+1305	1991,807	347,977
1621	976		71° 39'	"	10.1	88° 50'	+19.9	+9.8		5379.0		+35	+975	1991,785	347,647
1622	650		69° 10'	"	10.7	88° 50'	+13.2	+2.5		5371.7		+51	+648	1991,801	347,320
1623	322		65° 30'	"	8.2	88° 50'	+6.6	-1.6		5367.6		+46	+319	1991,776	346,991
1624	0				5.2	-		-5.2		5364.0	X	0	0	1991,750	346,672
1625	330		281° 53'	+16.3	6.9	90° 40'	-3.8	-10.7		5358.5		+156	-291	1991,906	346,381
1626	660		281° 24'	"	8.3	90° 40'	-7.7	-16.0		5353.2		+307	-584	1992,057	346,088
1627	990		" "	"	8.9	90° 40'	-11.5	-20.4		5348.8		+460	-877	1992,210	345,795
1628	1316		279° 22'	"	10.2	90° 40'	-15.3	-25.5		5343.7		+570	-1187	1992,320	345,485
1629	1631		275° 32'	"	11.8	90° 40'	-19.0	-30.8		5338.4		+607	-1514	1992,357	345,158
1630	1958		275° 04'	"	11.1	90° 40'	-22.8	-33.9		5335.3		+713	-1823	1992,463	344,849
1631	2288		275° 16' 05"	"	10.8	90° 40'	-26.6	-37.4	-32.3	5331.9	TP	+841	-2128	1992,593	344,544
1631	2288				10.5	269° 20'	-26.6	-37.1			TP	+2			
	3617		92° 29' 56"	+16.3	12.6	87° 30'	-31.6	-19.0	-19.3		BS	+1166	-3424		
	3617			+12.1	270 30		-31.6	-19.5	5312.6		BS	+2			
1632	3288		92° 09'	"	12.3	89° 30'	+28.7	+16.4		5329.0		-1041	+3119	1992,720	344,239
1633	2961		91° 16'	"	11.2	89° 32'	+24.1	+12.9		5325.5		-894	+2823	1992,867	343,943

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.13.83		B. Cotcamp		D. Wrinkle		6834		DW		4		151			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NEVADA		MINERAL HILL-15		NEV.		EUREKA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS & TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									5312.6						
1634	2635		90° 30'	+16.3	9.6	89° 36'	+18.4	+8.8		5321.4		-762	+2523	1992999	343,643
1635	2307		89° 40'	"	10.2	89° 36'	+16.1	+5.9		5318.5		-635	+2218	1993126	343,338
1636	1977		88° 58'	"	8.7	89° 40'	+11.5	+2.8		5315.4		-521	+1907	1993240	343,027
1637	1649		88° 05'	"	9.1	89° 40'	+9.6	+0.5		5313.1		-410	+1597	1993351	342,717
1638	1320		87° 02'	"	8.8	89° 40'	+7.7	-1.1		5311.5		-304	+1284	1993457	342,404
1639	990		86° 29'	"	8.7	89° 40'	+5.8	-2.9		5309.7		-219	+965	1993542	342,085
1640	660		86° 55'	"	7.8	89° 40'	+3.8	-4.0		5308.6		-151	+643	1993610	341,763
1641	330		87° 06'	"	6.7	89° 40'	+1.9	-4.8		5307.8		-76	+321	1993685	341,441
1642	0				5.2	-		-5.2		5307.4	✓	0	0	1993761	341,120
1643	330		272° 24'	+16.3	7.8	89° 40'	+1.9	-5.9		5306.7		+106	-313	1993867	340,807
1644	658		275° 39'	"	8.3	89° 50'	+1.9	-6.4		5306.2		+246	-610	1994007	340,510
1645	988		274° 13'	"	6.8	-		-6.8		5305.8		+346	-925	1994107	340,195
1646	1318		274° 06'	"	6.2	-		-6.2		5306.4		+459	-1235	1994220	339,885
1647	1648		273° 55'	"	6.7	-		-6.7		5305.9		+570	-1546	1994331	339,574
1648	1978		273° 42'	"	6.8	-		-6.8		5305.8		+677	-1859	1994438	339,261
1649	2308		273° 31'	"	7.2	-		-7.2		5305.4		+782	-2171	1994543	338,949
1650	2638		273° 43'	"	7.7	-		-7.7		5304.9		+903	-2479	1994664	338,641
1651	2967		274° 13'	"	6.1	-		-6.1		5306.5		+1040	-2779	1994801	338,341
#	2987		274° 03' 41"	"	5.8	-		-5.8		5306.8	#	+1039	-2800	1994800	338,320

