

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Cocorp

Geosource Inc.

Interval - 330'

Wild T1 Red 1-A  
Theo. DM.

DATE July July 8, 1982 INSTRUMENT MAN R. Hulsey ROD MAN D. Hamilton PARTY NUMBER 6834 NOTES CHECKED BY Page 1 LINE NO. 243 PAGE 1-ONE  
 AREA N. California-Sierra TOPO MAP Loyalton 15 STATE Calif. COUNTY Sierra TWP RANGE PPM +20 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
															U.S.C. & G.S. Triangulation Sta. "Iron Mon" Offset 1958"
	1520.6		74°46'49" +180°	+15.0	10.9	92°10'			5036.4		BS	-6	-1520		Take-off BM (topo. 4968) scaled - 682,800 2,563,920
					11.8	92°08'					BS				Traverse to BOL
X	0										X	0	0	682,794 2,562,400	Set-up of 50' (s) road
	1495.6	1494	248°21'06"	+15.0	4.3	86°50'				5114.5	TP	-173	-1484	682,621 2,560,916	↓
					5.2	86°48'					TP				10'(s) of rd.
	411.9	411	115°53'25" +180°	+15.3	6.8	94°00'			5150.0		BS	+271	-309		
					6.5	94°02'					BS				
X	0										X	0	0	682,892 2,560,607	100'(E) of gate (s) edge of rd.
	619.6	618	285°41'06"	+15.3	8.5	85°06'56"			5194.1		TP	+318	-530	683,210 2,560,077	
	499.3	498	94°25'50" 129°08'25" +180°	+15.3	8.5	94°25'50"			5241.0		BS	+405	-289		
X	0										X	0	0	683,615 2,559,788	(s) edge of rd.
	327.1	325	319°16'35"	+15.3	8.5	83°47'08"			5267.7		TP	+294	-140	683,909 2,559,648	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
July 8, 1982		R. Hulsey		D. Hamilton		6834				09	2					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
N. California-Sierra		Loyalton 15'		California		Sierra				+60	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
										5267.7			683,909	2,559,648		
	836.2	833	146°27'13" +180°	+15.3	8.5	95°11'00"			5351.5		BS	+791	-261			
π	○										π	○	○	684,700	2,559,387	(E) edge of rd.
	175.2	174	337°04'15"	+15.3	8.5	83°00'54"			5364.1		TP	+172	-23	684,872	2,559,364	" " of curve
	338.7	338	101°07'55" +180°	+15.3	8.5	95°15'22"			5403.5		BS	+150	-302			
π	○										π	○	○	685,022	2,559,062	(N) edge of rd.
	577.4	574	309°04'56"	+15.3	8.5	<del>83°59'04"</del> 83°59'04"			5455.2		TP	+466	-334	685,488	2,558,728	
	159.3	158	125°29'27" +180°	+15.3	8.5	94°38'48"			5476.5		BS	+122	-100			
π	○										π	○	○	685,610	2,558,628	(N) edge of rd.
	941.5	938	277°31'55"	+15.0	8.5	84°33'47"			5556.9		TP	+359	-866	685,969	2,557,762	
	449.0	448	105°17'30" +180°	+15.0	8.5	94°13'40"			5598.4		BS	+226	-387			
π	○										π	○	○	686,195	2,557,375	(S) edge of rd.
	860.8	858	298°18'09"	+15.0	8.5	84°54'43"			5665.9		TP	+588	-624	686,783	2,556,751	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE			
July 8, 1982		R. Hulsey		D. Hamilton		6834					CA17	3			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM	PARTY MANAGER				
N. California-Sierra		Loyalton 15'		California		Sierra				+60	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
									5665.9						Traverse from BM to line (cont) ↓
	570.0	568	138°56'30" +180°	+15.4	8.5	94°39'38"		5720.6			BS	+512	-246		
π	0										π	0	0	687,295 2,556,505	(S) edge of rd.
	789.4	786	306°08'37" +180°	+15.4	8.5	85°02'11"		5780.1			TP	+616	-489	687,911 2,556,016	
	439.8	439	148°34'06" +180°	+15.4	8.5	94°38'26"		5824.1			BS	+422	-121		
π	0										π	0	0	688,333 2,555,895	100'(E) of gate (N) edge of curve
	399.9	397	313°20'54" +180°	+15.4	8.5	83°01'00"		5863.8			TP	+339	-206	688,672 2,555,689	
	266.7		140°49'17" +180°	+15.4	8.5	93°11'43"		5887.2			BS	+244	-107		
π	0										π	0	0	688,916 2,555,582	30'(E) of barrier (N) edge of rd.
	462.2	461	288°46'39" +180°	+15.4	8.5	85°37'42"		5913.8			TP	+259	-381	689,175 2,555,201	
	240.8	239	111°56'12" +180°	+15.4	8.5	96°45'52"		5950.5			BS	+145	-190		
π	0										π	0	0	689,320 2,555,011	40'(S) of rd. on embankment
	631.2	630	292°39'34" +180°	+15.4	8.5	86°30'27"		5980.4			TP	+388	-496	689,708 2,554,515	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
July 8, 1982		R. Hulsey		D. Hamilton		6834				CA 7	4					
AREA		TOPO MAP		STATE		COUNTY		RANGE	PPM	PARTY MANAGER						
N. California - Sierra		Loyalton 15'		California		Sierra			760	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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
									5980.4							Traverse to
	356.3	355	132°52'07" +180°	+15.4	8.5	94°37'35"		6017.5			BS	+302 -	-187 -			line (cont)
π	0										π	0	0	690,009	2,554,327	(s) edge of rd.
	186.0	185	329°38'24"	+15.4	8.5	83°53'45"			6028.7		TP	+179 -	-48 -	690,187	2,554,278	
	785.9	783	123°18'08" +180°	+15.4	4.7	95°02'45"		6102.2			BS	+588 -	-517 -			
π	0										π	0	0	690,774	2,553,760	25'(E) of creek (N) edge of rd.
	498.7	497	316°27'06"	+15.4	8.5	84°39'48"			6139.9		TP	+438 -	-234 -	691,211	2,553,525	
	499.7		119°42'01" +180°	+15.4	13.0	91°11'52"		6163.3			BS	+354 -	-353 -			
π	0				5.0	—			6158.3		π	0	0	691,564	2,553,171	(W) edge of int.
01	66.5		273°27'	+15.4	4.7	89°49'			6158.9			+22	-63	691,586	2,553,108	BOL #
	375.5		265°54'17"	+15.1	8.5	88°28'36"			6164.8		TP	+72 -	-369 -	691,635	2,552,801	Sta. 1 @
	591.7		71°56'46" +180°	+15.1	8.5	89°47'21"		6171.1			BS	-31 -	-591 -			Line runs down Edge of rd.
02	568		71°56'	+15.1	6.1	—			6165.0			+29	+567	691,632	2,552,776	
03	239		73°25'	"	7.0	—			6164.1			+6	+239	691,609	2,552,448	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
July 10, 1982		R. Hulsey		D. Hamilton		6834				62.7	5				
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM	PARTY MANAGER				
N. California-Sierra		Loyalton 15'		California		Sierra				+60	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
									6171.1						
K	0				5.0	—				6166.1	K	0	0	691,603 2,552,209	(N) edge of curve
04	81		221° 25'	+15.1	4.6	—				6166.5		-45	-68	691,558 2,552,141	
05	392		213° 14'	" "	5.1	—				6166.0		-261	-293	691,342 2,551,916	
06	706		222° 01'	" "	5.9	—				6165.2		-383	-593	691,220 2,551,616	
	720.0		221° 45' 16"	" "	4.7	90° 04' 58"				6165.4	TP	-394	-603	691,208 2,551,605	
	636.2		33° 57' 01"	+15.1	5.9	89° 34'			6166.5		BS	-417	-480		Double shots used for self-check
			+180°		6.6	89° 30'					BS				↓
07	330		31° 20'	+15.1	3.1	89° 30'				6166.3		+227	+239	691,017 2,551,363	
08	0		—		5.2	—				6161.3	K	0	0	690,790 2,551,124	
09	330		220° 14'	+15.1	9.8	90° 14'				6155.4		-188	-271	690,602 2,550,853	
TP	536.3		221° 08' 27"	+15.4	13.7	—				6152.8	TP	-296	-447	690,493 2,550,676	
					11.0	BH					TP				
	235.0		71° 15' 43"	+15.4	5.9	—			6158.7		BS	-14	-235		
			+180°		7.1	TH					BS				
10	111		68° 45'	+15.4	5.4	—				6153.3		+11	+110	690,489 2,550,550	
K	0		—		5.2	—				6153.5	K	0	0	690,478 2,550,440	

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July 10, 1982		R. Hulsey		D. Hamilton		6834				67	6				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
N. California-Sierra		Loyalton 15'		California		Sierra				+60	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
									6158.7						
11	218		224° 10'	+15.4	6.7	—				6152.0		-110	-188	690,368	2,550,252
12	544.3		222° 54' 06"	" "	4.9	89° 20'				6160.1	TP	-286	-463	690,191	2,549,976
			<del>222° 54' 06"</del>		4.5	89° 22'					TP	-1			(w) edge of rd.
	222.5		36° 51' 15"	+15.4	14.2	90° 30'			6176.3		BS	-137	-176		
			+180		14.0	90° 32'					BS				
K	0		—		5.2	—				6171.1	K	0	0	690,053	2,549,799
13	106		252° 54'	+15.4	4.7	86° 42'				6177.7		-3	-106	690,050	2,549,693
TP	205.5		239° 43' 01"	" "	6.9	86° 40'				6181.3	TP	-53	-199	689,999	2,549,599
					6.8	86° 42'					TP				
	337.4		22° 17' 18"	+15.4	5.3	89° 46'			6185.2		BS	-267	-206		
			+180		6.6	89° 42'					BS				
14	118		14° 05'	+15.4	6.0	89° 42'				6179.8		+103	+58	689,834	2,549,450
K	0		—		5.1	—				6180.1	K	0	0	689,731	2,549,392
15	211		207° 28'	+15.4	4.9	89° 20'				6182.8		-155	-144	689,576	2,549,248
16	541		" "	" "	9.1	89° 20'				6182.4		-397	-368	689,334	2,549,024

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July 10, 1982		R. Hulsey		D. Hamilton		6834				027	7				
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM	PARTY MANAGER				
N. California - Sierra		Loyalton 15'		California		Sierra				+60	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 - LAT.	EAST + WEST - DEP.	COORDINATES Y X	REMARKS
17	868.7		206°57'28"	+15.4°	12.9	89°20'			6182.4		TP	-642 <sub>-1</sub>	-585 <sub>-1</sub>	689,088 2,548,806	(E) edge of rd.
					12.4	89°22'					TP				
	215.9		34°33'19"	+15.4°	7.3	—			6189.7		BS	-139 <sub>-1</sub>	-165 <sub>-1</sub>		
			+180°		8.4	TH					BS				
π	0		—		4.9	—			6184.8		π	0	0	688,948 2,548,640	(W) edge of rd.
18	114		222°34'	+15.4°	5.7	87°44'			6188.5			-60	-97	688,888 2,548,543	
TP	352.5		221°58'31"	"	4.8	87°44'			6198.9		TP	-190 <sub>-1</sub>	-297 <sub>-1</sub>	688,757 2,548,342	(E) edge of rd.
					5.0	87°42'					TP				
	185.9		23°13'02"	+15.4°	13.1	91°40'			6217.4		BS	-145 <sub>-1</sub>	-116 <sub>-1</sub>		
			+180°		13.0	91°42'					BS				
19	105		19°24'	+15.4°	7.5	93°12'			6204.0			+86	+60	688,697 2,548,285	
π	0		—		5.0	—			6212.4		π	0	0	688,611 2,548,225	(W) edge of rd.
20	216		216°20'	+15.4°	5.7	86°16'	+14.0	+8.3	6225.7			-134	-170	688,477 2,548,055	
TP	378.7	378	213°03'25"	"	4.2	86°16'	+24.6	+20.4	6237.8		TP	-251 <sub>-1</sub>	-283 <sub>-1</sub>	688,359 2,547,941	(W) edge of rd.
					4.4	86°14'	+24.8	+20.4			TP				

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July 10, 1982		R. Hulsey		D. Hamilton		6834					627	8				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER				
N. California-Sierra		Loyalton 15'		Calif.		Sierra					+60	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	
										6237.8						
	246.7		19° 03' 00" +180°	+15.4	11.2	92° 20'	+10.0	+21.2	6259.0		BS	-204	-140			
					10.9	92° 24'	+10.3	+21.2			BS					
21	79		11° 14'	+15.4	7.8	92° -	-2.8	-10.6	6248.4			+71	+35	688,225	2,547,835	
	X	O			5.1	-	-	-5.1	6253.9		X	0	0	688,154	2,547,800	In rd.
22	243		181° 44'	+15.4	6.4	86° -	+16.9	+10.5	6269.5			-232	-72	687,922	2,547,728	
	527.2	526	180° 28' 51"	" "	8.5	86° -	+36.7	+28.2	6287.2		TP	-506	-144	687,647	2,547,655	(E) edge of rd.
					7.9	86° 04'	+36.1	+28.2			TP					
	304.3		26° 51' 39" +180°	+15.4	11.7	92° -	+10.6	+22.3	6309.5		BS	-225	-204			
					11.3	92° 04'	+11.0	+22.3			BS					
23	256		27° 57'	+15.4	5.5	93° -	-13.4	-18.9	6290.6			+186	+176	687,607	2,547,626	
	X	O			5.1	-	-	-5.1	6304.4		X	0	0	687,421	2,547,450	In rd.
24	75		195° 53'	+15.4	5.6	87° -	+3.9	-1.7	6307.8			-64	-39	687,357	2,547,411	
25	397		186° 28'	" "	9.7	87° -	+20.7	+11.0	6320.5			-368	-148	687,053	2,547,302	
26	728		" "	" "	9.0	87° -	+38.0	+29.0	6338.5			-676	-271	686,745	2,547,179	
27	1057		" "	" "	11.0	87° 14'	+51.0	+40.0	6349.5			-981	-394	686,440	2,547,056	
TP	1102.8		186° 01' 28"	" "	11.2	87° 14'	+53.2	+42.0	6351.5		TP	-1026	-402	686,394	2,547,047	
					9.3	87° 20'	+51.2	+41.9			TP					

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July 10, 1982		R. Hulsey		D. Hamilton		6834					627	9		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM	PARTY MANAGER			
N. California-Sierra		Loyalton 15'		California		Sierra				+60	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.	
									6351.5					
	85.3		21°52'30" +180°	+15.4	9.9	—		+9.9	6361.4		BS	-68	-51	
					9.5	BH	+0.4	+9.9		BS				
X	0		—		5.2	—		-5.2	6356.2		X	0	0	686,325 2,546,995 (E) edge of rd.
28	193		187°01'	+15.4	6.5	87°-	+10.1	+3.6	6365.0			-178	-74	686,147 2,546,921
TP	276.4		182°57'47"	"	7.9	87°-	+14.4	+6.5	6367.9		TP	-262	-87	686,062 2,546,907
					7.6	87°4'	+14.1	+6.5		TP				
	60.0		00°21'43" +180°	+15.4	8.2	—		+8.2	6376.1		BS	-58	-16	
					7.9	BH	+0.3	+8.2		BS				
X	0		—		5.1	—		-5.1	6371.0		X	0	0	686,003 2,546,890 (W) edge of rd.
29	188		194°31'	+15.4	7.0	87°-	+9.8	+2.8	6378.9			-163	-94	685,840 2,546,796
30	517		" "	"	10.3	88°-	+18.0	+7.7	6383.8			-448	-258	685,555 2,546,632
31	845		192°41'	"	8.1	88°-	+29.5	+21.4	6397.5			-746	-398	685,257 2,546,492
TP	1001.5	1001	192°06'42"	+15.4	2.5	88°-	+34.9	+32.4	6408.5		TP	-888	-463	685,114 2,546,426
					1.3	88°4'	+33.8	+32.5		TP				
	342.1		11°25'15" +180°	+15.4	9.8	93°-	+17.9	+27.7	6436.2		BS	-305	-154	
					9.5	93°4'	+18.3	+27.8		BS				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
July 10, 1982		R. Hulsey		D. Hamilton		6834				27	10					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
N. California-Sierra		Koyalton 15'	California	Sierra				+60	K.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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
32	168		11°25'	+15.4	7.2	92°-	-5.9	-13.1		6423.1		+150	+76	684,958	2,546,347	
X	0				5.0	-		-5.0		6431.2	X	0	0	684,808	2,546,271	(W) edge of rd.
33	161		208°13'	+15.4	6.8	87°-	+8.4	+1.6		6437.8		-117	-111	684,691	2,546,160	
34	481		224°57'	"	7.3	87°40'	+19.6	+12.3		6448.5		-238	-418	684,570	2,545,853	
TP	598.7		223°47'00"	+15.7	9.1	87°40'	+24.4	+15.3		6451.5	TP	-304	-516	684,504	2,545,754	
					8.5	87°44'	+23.7	+15.2			TP					
	608.0		18°56'04"	+15.7	8.9	92°-	+21.2	+30.1		6481.6	BS	-500	-345			
			+180°		8.2	92°04'	+21.9	+30.1			BS					
35	401		18°56'	+15.7	7.4	92°-	-14.0	-21.4		6460.2		+330	+228	684,334	2,545,636	
36	72		" "	" "	5.3	92°-	-2.5	-7.8		6473.8		+59	+41	684,063	2,545,449	
X	0				5.1	-		-5.1		6476.5	X	0	0	684,004	2,545,408	(W) edge of rd.
37	257		212°35'	+15.7	4.6	88°-	+9.0	+4.4		6486.0		-171	-192	683,833	2,545,216	
38	579		213°25'	"	1.9	88°-	+20.2	+18.3		6499.9		-379	-438	683,625	2,544,970	
TP	693.7	693	211°47'44"	"	7.8	87°30'	+30.2	+22.4		6504.0	TP	-468	-511	683,536	2,544,897	
					7.0	87°34'	+29.4	+22.4			TP					
	524.1		353°03'39"	+15.7	12.2	92°-	+18.3	+30.5		6534.5	BS	-518	-80			
			-180°		11.5	92°04'	+18.9	+30.4			BS					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
July 14, 1982		B. Cotcamp		D. Hamilton		6834		RAH.		027		11		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
N. California-Sierra		Loyalton 15'		California		Sierra				+6.0		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.	
									6534.5					
39	306		353° 03'	+157	6.3	92°	-10.7	-17.0		6517.5		+302	+47	683,320 2,544,864
X	0				5.0	—	—	-5.0		6529.5	X	0	0	683,018 2,544,817
BM	13		87° 16' 03"	+157	4.2	—	—	-4.2		6530.3	TP	-3	+13	683,015 2,544,830
														Set-up 5'(w) of Sign post
														BM "U.S.G.S. HRO 1932"
														(topo pt. 6530)
	691		21° 45' 17" +180	+160	+9.2	88° 20'	20.1	10.9	6519.4		BS	-546	-423	X = 2,544,830 corr. -31'
	691				+11.2	88° 10'	22.1	10.9			BS			Y = 683,015 corr. -29' (scaled)
40	642		19° 12'	+16.0	11.0	88° 10'	+20.5	+9.5		6528.9		+525	+370	682,992 2,544,779
41	327		21° 49'	" "	5.0	88°	+11.4	+6.4		6525.8		+258	+201	682,725 2,544,610
42	0				5.4	—	—	-5.4		6514.0	X	0	0	682,467 2,544,409
43	330		204° 28'	+16.0	6.1	93°	-17.2	-23.3		6496.1		-251	-214	682,216 2,544,195
44	659		205° 37'	" "	7.8	93°	-34.4	-42.2		6477.2		-493	-438	681,974 2,543,971
45	990		205° 04' 43"	" "	8.7	93°	-51.7	-60.4		6459.0	TP	-745	-650	681,720 2,543,761
45	990				11.5	92° 50'	48.9	60.4			TP			
	800		17° 39' 35" +180	+160	+4.1	87°	-41.8	-37.7	6421.3		BS	-665	-443	
	800										BS			
46	470		16° 56'	+16.0	7.4	86° 40'	+27.3	+19.9		6441.2		+294	+256	681,347 2,543,576
47	141		18° 18'	" "	5.7	86° 30'	+8.6	+2.9		6424.2		+116	+79	681,169 2,543,399
X	0				5.4	—	—	-5.4		6415.9	X	0	0	681,053 2,543,320
48	190		216° 09'	+16.0	4.7	93°	-9.9	-14.6		6406.7		-117	-150	680,936 2,543,170

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
July 14, 1982		B. Cotcamp		D. Hamilton		6834		R.H.		627	12				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
N. California-Sierra		Loyalton 15'	California	Sierra					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
									6421.3						
TP	290		215° 58' 46"	+16.0	4.0	93° -	15.2	19.2		6402.1	TP	-178	-228	680,873	2,543,094
BS	400		22° 10' 59" +180	" "	+4.0	86° 30'	24.4	20.4	6381.7		BS	-314	-247		
49	320		346° 10'	" "	8.8	87° 00'	+16.7	+7.9		6389.6		319	+12	680,876	2,542,861
50	29		281° 14'	" "	6.1	78° -	+5.9	-0.2		6381.5		+13	-26	680,570	2,542,823
X	0		2		5.4	-		-5.4		6376.3	X	0	0	680,557	2,542,849 over BANK
51	301		197° 21'	+16.0	9.9	90° 30'	-2.6	-12.5		6369.2		251	765	680,306	2,542,684
TP	524		186° 49' 17"	" "	8.3	91° 50'	76.8	25.1		6356.6	TP	-483	-203	680,072	2,542,648
	869		09° 59' 53" +180	" "	+1.0	87° 30'	37.9	36.9	6319.7		BS	-780	-381		
	869										BS				
52	769		09° 02'	+16.0	5.9	87° 10'	+38.0	+32.1		6351.8		+697	+325	679,987	2,542,594
53	442		01° 47'	" "	7.1	87° 10'	+21.8	+14.7		6334.4		+420	+135	679,710	2,542,404
54	140		355° 58'	" "	4.7	87° -	+7.3	+2.6		6322.3		+137	+29	679,427	2,542,298
X	0				5.4	-		-5.4		6314.3	X	0	0	679,290	2,542,269 (R)
55	193		204° 09'	+16.0	7.3	92° 20'	-7.9	-15.2		6304.5		148	124	679,142	2,542,145
56	523		202° 39'	" "	10.5	92° 30'	-22.8	-33.3		6286.4		408	327	678,882	2,541,942
TP	581		202° 30' 31"	" "	9.9	92° 40'	27.0	36.9		6282.8	TP	-454	-361	678,834	2,541,910
	623		12° 01' 55" +180	" "	+5.2	87° -	32.6	27.4	6255.4		BS	-549	-292		
57	379		359° 19'	" "	7.8	86° 48'	+21.1	+13.3		6268.7		+35	-377	678,318	2,541,243
58	51		358° 51'	" "	5.2	86° 10'	+3.4	-1.8		6253.6		+49	+13	678,332	2,541,633
X	0				5.4	-		-5.4		6250.0	X	0	0	678,283	2,541,620

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
July 14, 1982		B. Cotcamp		D. Hamilton		6834		D.H.		Ca 7	13						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
N. California-Sierra		Loyalton 15'		California	Sierra					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		
									6255.4								
59	279		219° 26'	+16.0	7.7	92° 10'	-10.5	-18.2		6237.2		758	230	678,125	2,541,390		
60	570		200° 27'	" "	12.0	92° 20'	-23.2	-35.2		6220.2		758	339	677,825	2,541,281		
TP61	901		200° 13' 50"	" "	8.1	92° 50'	44.5	52.6		6202.8	TP	-726	-532	677,555	2,541,090		
	461		22° 52' 14" +180	" "	+3.6	87° -	24.1	20.5	6182.3		BS	-358	-289				
62	140		14° 28'	" "	6.2	86° 40'	+8.1	+1.9		6184.2		+121	+71	677,316	2,540,874	Between power lines	
π	0				5.4	-		-5.4		6176.9	π	0	0	677,195	2,540,803		
63	190		208° 57'	+16.0	6.3	93° -	-9.9	-16.2		6166.1		734	734	677,061	2,540,669	" "	
TP	469		206° 33' 32"	" "	6.1	93° -	24.5	30.6		6151.7	TP	-345	-317	676,848	2,540,488	" "	
	798		58° 15' 56" +180	" "	+6.5	87° -	41.7	35.2	6116.5		BS	-216	-76				
64	738		58° 33'	" "	7.2	87° -	+38.6	+31.4		6147.9		+197	+711	676,827	2,540,434		
65	404		57° 52'	" "	9.0	87° -	+21.1	+12.1		6128.6		+112	+388	676,742	2,540,111		
TP66	90		30° 30'	" "	8.1	87° -	+4.7	-3.4		6113.1		+62	+65	676,692	2,539,788		
π	0				5.4	-		-5.4		6111.1	π	0	0	676,630	2,539,723		
67	235		212° 09'	+16.0	6.5	93° -	-12.3	-18.8		6097.7		757	775	676,473	2,539,548		
68	565		208° 32'	" "	12.3	93° -	-29.5	-41.8		6074.7		783	396	676,147	2,539,327		
69	884		211° 23' 06"	" "	7.6	93° 30'	53.9	61.5		6055.0	TP	-597	-649	676,031	2,539,076		
	219		46° 36' 05" +180	" "	+2.8	88° -	7.6	4.8	6050.2		BS	-101	-194				
TPπ	0				5.4	-		-5.4		6044.8	π	0	0	675,928	2,538,884		
70	100		228° 40'	+16.0	6.3	88° 40'	+2.3	-4.0		6046.2		743	90	675,885	2,538,794		

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE		
July 14-1982		B. Cotcamp		D. Hamilton		6834		RAH.		627	14		
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER		
No. CALIF. - SIERRA		Loyalton-15'		CALIF.		SIERRA					L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
											NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
								6050.2					
71	432		209° 22'	+16.0	4.5	91° -	-7.5	-12.0	6038.2		304	307	675,624 2,538,577
TP	641		207° 39' 34"	" "	9.3	90° 40'	-7.5	-16.8	6033.4	TP	-464	-443	675,462 2,538,443
	443		65° 26' 55" +180	" "	+4.5	88° 30'	-11.6	-7.1	6026.3	BS	-66	-438	
72	330		64° 57'	" "	3.7	88° 20'	+9.6	+5.9	6032.2		51	+326	675,445 2,538,333
73	0				5.4	-		-5.4	6020.9	X	0	0	675,394 2,538,007
74	330		272° 24'	+16.0	8.3	92° 30'	-14.4	-22.7	6003.6		+184	313	675,578 2,538,694
IF	489		270° 35' 43"	" "	2.8	92° 40'	-22.7	-25.5	6000.8	IF	+140	-468	675,534 2,537,539
75	659		268° 59'	" "	7.9	92° -	-23.0	-30.9	5995.4		+170	637	675,564 2,537,370
BRIDGE	940		266° 01' 26"	" "	8.8	91° 20'	-21.9	-30.7	5995.6	BRIDGE	+196	-919	675,590 2,537,088
76	987		265° 37' 08"	+16.0	12.1	91° 10'	-20.1	-32.2	5994.1	TP	+199	-967	675,592 2,537,042
	590		53° 46' 44" +180	" "	+4.8	91° -	+10.3	+15.1	6009.2	BS	-204	-554	
77	283		44° 13' 38' 25"	" "	7.9	92° 20'	-11.5	-19.4	5989.8		+165	+230	675,552 2,536,720
X	0				5.4	-		-5.4	6003.8	X	0	0	675,387 2,536,490
78	40		212° 46'	+16.0	4.9	87° -	+2.1	-2.8	6006.4		26	38	675,361 2,536,452
79	360		189° 06'	" "	2.0	87° 50'	+13.6	+11.6	6020.8		326	153	675,061 2,536,337
TP	401		187° 57' 12"	" "	2.9	87° 40'	+16.3	+13.4	6022.6	TP	-366	-163	675,026 2,536,329
	220		17° 23' 12" +180	" "	+14.8	-		+14.8	6037.4	BS	-184	-121	
X	0				5.4	-		-5.4	6032.0	X	0	0	674,836 2,536,209
80	73		253° 18'	+16.0	5.2	88° 10'	+2.3	-2.9	6034.5		1	72	674,835 2,536,136

y-675,550 x-2,537,52  
T-RD NORTH  
y-675,590  
BRIDGE K-2,537,050

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-44B\*

Geosource Inc.

DATE July 14, 1982	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY R/H.	LINE NO. EA.7	PAGE 15
AREA N. California	TOPO MAP Loyalton 15'	STATE California	COUNTY Sierra	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 A TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									6037.4										
159			246° 35' 19"	+16.0	6.1	88° -	+5.5	-0.6		6036.8		-	-						
TP 399			260° 24' 19"	" "	12.7	87° 10'	+19.7	+7.0		6044.4	TP	+44	-396	674,880	2,535,814				
660			103° 40' 25" +180	" "	7.0	84	+3.3	+10.3	6054.7		BS	+327	-573						
82	330		104° 18'	" "	9.8	90° 30'	-2.9	-12.7		6042.0		166	+285	675,041	2,535,526				
83	0				5.4	-	-	-5.4		6049.3	T	0	0	675,207	2,535,241				
TP 116			20° 19' 20"	+16.0	0.5	89° 30'	+1.0	+0.5		6055.2	TP	+93	+69	675,300	2,535,310			sec. cor. y-675,300 x-2,535,310 Horiz corr. y-37. x-242	
			20° 47' 05" +180	+16.0	3.6	88° -	-4.1	-0.5	6054.7		BS	-94	-71						
83	0				5.4	-	-	-5.4		6049.3	T	0	0	675,205	2,535,238				
TP 240			285° 30' 36"	+16.0	5.1	88° -	+8.4	+3.3		6058.0	TP	+125	-204	675,329	2,535,033				
												-1	-1						
										(continue to pg. 16)									

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
7-13-82		B. Cotcamp		D. Hamilton		6834		R.H.		CA. 7		16		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		
NO. CALIF. - SIERRA		NO LOYALTON-15		CALIF.		SIERRA						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.	
										6058.0				
	420		108° 58' 29" +180	+16.0	+8.5	92° -	+14.6	+23.1	6081.1		BS	+241	-344	
	420				+7.2	92° 10'	+15.9	+23.1			BS	-1	-1	
84	330		108° 36'	+16.0	8.8	91° 30'	10.6	19.4		6061.7		-187	+272	675,381 2,534,959
85	0				5.4	-		-5.4		6075.7	X	0	0	675,569 2,534,688
86	330		279° 12'	+16.0	6.8	89° 30'	+2.9	3.9		6077.2		+141	-299	675,709 2,534,389
87	660		279° 00'	" "	13.8	89° 30'	+5.8	8.0		6073.1		+279	-598	675,847 2,534,090
88	989		278° 29' 48"	" "	5.8	89° 50'	+2.9	2.9		6078.2	TP	+410	-900	675,978 2,533,787
88	989				8.7	89° 40'	+5.8	2.9			TP	-1	-1	
	330		94° 34' 23" +180	+16.0	+11.2	84	+1.7	+12.9	6091.1		BS	+116	-309	
	330				+10.9	90° 20'	+1.9	+12.8			BS	-1	-1	
89	0				5.4	-		-5.4		6085.7	X	0	0	676,093 2,533,477
90	330		266° 59'	+16.0	12.5	91° -	5.8	18.3		6072.8		+74	-322	676,167 2,533,156
TP	432		269° 13' 13"	" "	6.9	91° 50'	13.8	20.7		6070.4	TP	+113	-417	676,205 2,533,059
TP	432				8.2	91° 40'	12.6	20.8			TP	-1	-1	
	660		117° 56' 24" +180	+16.0	+7.1	91° 10'	+13.4	+20.5	6090.9		BS	+458	-475	
	660				+9.0	91° -	+11.5	+20.5			BS	-1	-1	
91	440		122° 45'	+16.0	10.6	91° 10'	9.0	19.6		6071.3		-331	+290	676,331 2,532,873
92	112		111° 01'	" "	6.0	91° 40'	3.3	9.3		6081.6		-67	+89	676,594 2,532,673
X	0				5.4	-		-5.4		6085.5	X	0	0	676,662 2,532,583
93	219		284° 47'	+16.0	2.4	90° 10'	0.6	3.0		6087.9		+112	-188	676,774 2,532,395

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-13-82		B. Cotcamp		D. Hamilton		6834		R.H.		CA, 7		17			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		Loyalton - 15'		CALIF.		SIERRA								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
									6090.9						
TP	379		284° 52' 20"	+16.0	9.8	90° 10'	7.1	10.9	6080.0	TP	+194	-325	676,855	2,532,257	
TP	379				8.7	90° 20'	2.2	10.9		TP	-1	-1			
	401	400	106° 31' 42" +180	+16.0	+3.6	87° -	21.0	17.4	6062.6	BS	+215	-338			
	401				+4.7	86° 50'	22.1	17.4		BS	-1	-1			
94	241		102° 42'	+16.0	6.5	87° 10'	11.9	5.4	6068.0		-116	+2.11	676,954	2,532,129	
π	0				5.4	-		-5.4	6057.2	π	0	0	677,070	2,531,918	
95	85		267° 08'	+16.0	6.4	91° 10'	1.7	8.1	6054.5		+19	-83	677,089	2,531,836	
TP	382		271° 43' 55"	" "	10.2	91° 10'	7.8	18.0	6044.6	TP	+116	-364	677,185	2,531,554	Rad. int.
TP	382				9.1	91° 20'	8.9	18.0		TP	-1	-1			(topo 6057)
	1663		61° 05' 05" +180	+16.0	+12.7	-		+12.7	6057.3	BS	-372	-1621			
	1663				+4.5	84	+8.3	+12.8		BS	-1	-1			
96	1640		60° 42'	+16.0	12.8	-		-12.8	6044.5		+377	+1596	677,190	2,531,528	
97	1310		60° 12'	" "	11.9	-		-11.9	6045.4		+312	+1272	677,125	2,531,204	
98	980		60° 34'	" "	10.5	-		-10.5	6046.8		+228	+953	677,040	2,530,885	
99	652		62° 22'	" "	8.4	-		-8.4	6048.9		+131	+639	676,944	2,530,570	
100	330		68° 20'	" "	3.7	-		-3.7	6053.6		+33	+328	676,845	2,530,260	
101	0				5.4	-		-5.4	6051.9	π	0	0	676,812	2,529,932	
102	330		241° 57'	+16.0	6.2	-		-6.2	6051.1		-69	-323	676,743	2,529,609	
103	660		241° 16'	" "	5.6	-		-5.6	6051.7		-145	-644	676,667	2,529,288	
104	987		238° 55' 30"	" "	6.2	-		-6.2	6051.1	TP	-257.	-953.	676,555	2,528,978	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445'

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
July 14, 1982		B. Cotcamp		D. Hamilton		6834		P/H.		CA7		18							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
N. California-Sierra		Loyalton 15'		CALIF.		SIERRA								K.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				
										6051.1									
	986		38° 20' 32" +180	+16.0	+12.8	-		+12.8	6063.9		BS	-575	-801						
	986				+7.8	B4	+4.9	+12.7			BS	-1	-1						
105	658		37° 28'	+16.0	8.9	B4	-3.3	-12.2	6051.7			+392	+529	676.370	2,528,704				
106	329		41° 47'	" "	10.9	-		-10.9	6053.0			+175	+278	676.154	2,528,454				
107	0				5.4	-		-5.4	6058.5		T	0	0	675,979	2,528,175				ACROSS STA.
11	149		247° 12' 47"	+16.0	3.5	88° 40'	+3.5	+0.0	6063.9										Rd. int. (topo ell 6057)
108	331		248° 49'	" "	7.1	88° 30'	+8.7	+1.6	6065.5			-30	-330	675,949	2,527,846				
109	660		248° 19'	" "	7.5	89° 10'	+9.6	+2.1	6066.0			-65	-657	675,913	2,527,519				
110	990		248° 17' 51"	" "	10.2	89° 16'	+14.4	+4.2	6068.1		TP	-98	-985	675,879	2,527,189				
110	990				7.2	89° 20'	+11.5	+4.3			TP	-1	-1						
	988		54° 59' 12" +180	+16.0	+10.3	B4	+4.9	+15.2	6083.3		BS	-322	-934						
	988				+12.3	90° 10'	+2.9	+15.2			BS	-1	-1						
111	660		54° 22'	+16.0	9.7	90° 30'	-5.8	-15.5	6067.8			+222	+622	675,778	2,526,876				
112	330		53° 08'	" "	10.5	90° 30'	-2.9	-13.4	6069.9			+118	+308	675,674	2,526,563				
113	0				5.4	-		-5.4	6077.9		T	0	0	675,556	2,526,254				ACROSS STA.
114	330		237° 26'	+16.0	11.0	88° -	+11.5	+0.5	6083.8			-94	-316	675,462	2,525,938				
115	660		235° 59'	" "	14.2	88° -	+23.0	+8.8	6092.1			-204	-627	675,352	2,525,627				
TP	799		238° 08' 58"	" "	13.1	88° -	+27.9	+14.8	6098.1		TP	-218	-768	675,337	2,525,485				
TP	799				10.8	88° 10'	+25.6	+14.8			TP	-1	-1						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445'

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
July 14, 1982		B. Cotcamp		D. Hamilton		6834		R.H.		CA 2		19				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
N. California: Sierra		Loyalton 15'		California		Sierra								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	
										6098.1						
	466		108° 02' 24" +180	+16.0	+12.0	-		+12.0	6110.1		BS	+261	-386			
	466				+4.0	91°	+8.1	+12.1			BS	-1	-1			
116	271		114° 57'	+16.0	7.2	90° 20'	-1.6	-8.8		6101.3		-178	+205	675,420	2,525,303	
X	0				5.4	-		-5.4		6104.7	X	0	0	675,597	2,525,098	
117	60		302° 24'	+16.0	6.8	-		-6.8		6103.3		+45	-40	675,642	2,525,058	
118	388		302° 17'	" "	4.9	-		-4.9		6105.2		+290	-258	675,887	2,524,840	
119	719		301° 59'	" "	5.5	-		-5.5		6104.6		+534	-481	676,131	2,524,617	
TP	801		300° 39' 56"	" "	7.4	-		-7.4		6102.7	TP	+583	-550	676,179	2,524,547	
TP	801				11.5	T4	+4.0	-7.5			TP	-1	-1			
	659		125° 53' 31" +180	+16.0	+4.5	89° 20'	-7.7	-3.2	6099.5		BS	+519	-407			
	659				+6.1	89° 10'	-9.6	-3.5			BS	-1	-2			
120	330		134° 18'	+16.0	11.1	89° 10'	+4.8	-6.3		6093.2		-287	+163	676,410	2,524,302	
121	0				5.4	-		-5.4		6094.1	X	0	0	676,686	2,524,139	
122	325		339° 24'	+16.0	10.8	89° 10'	+4.7	-6.1		6093.4		+324	-26	677,020	2,524,113	
#1	621		343° 28' 05"	" "	8.4	-		-8.4		6091.1	TP	+621	-6	677,316	2,524,131	Rd. int.
#1	621				11.5	T4	+3.1	-8.4			TP	-1	-2			(topo. 6094) y-677,366 x-2,524,110
	500		57° 31' 17" +180	+16.0	+11.1	91°	+8.7	+19.8	6110.9		BS	-142	-479			
	500				+9.6	91° 10'	+10.2	+19.8			BS	-1	-2			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
July 14, 1982		B. Cotcamp		D. Hamilton		6834		D.H.		C. A. 7	20						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
N. California-Sierra		Loyalton 15'	California	Sierra					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		
									6110.9								
123	434		57° 17'	+16.0	9.6	91°	-7.6	-17.2		6093.7		+125	+416	677,298	2,524,065		
124	104		59° 42'	" "	6.2	91° 10'	-2.1	-8.3		6102.6		+26	+101	677,199	2,523,750		
π	0				5.4	-		-5.4		6105.5	π	0	0	677,174	2,523,650		
125	230		268° 35'	+16.0	7.4	86° 30'	+14.0	+6.6		6117.5		+58	-222	677,231	2,523,427		
126	560		267° 30' 08"	" "	9.9	87° 50'	+21.2	+11.3		6122.2	TP	+131	-544	677,303	2,523,103		
126	560				8.3	88°	+19.5	+11.2			TP	-1	-2				
	1291		82° 01' 30"	+180	+16.0	+5.1	91°	+22.5	+27.6	6149.8	BS	+180	-1278				
	1291				+8.8	90° 50'	+18.8	+27.6			BS	-1	-2				
127	960		81° 16'	+16.0	7.3	91°	-16.8	-24.1		6125.7		-121	+952	677,361	2,522,775		
128	639		75° 12'	" "	3.6	91°	-11.2	-14.8		6135.0		-13	+639	677,469	2,522,462		
129	335		62° 10'	" "	5.0	91°	-5.8	-10.8		6139.0		+69	+328	677,551	2,522,151		
130	51		344° 12'	" "	5.8	81° 26'	+7.5	+1.7		6151.5		+50	± 0	677,533	2,521,823		
π	0				5.4	-		-5.4		6144.4	π	0	0	677,482	2,521,823	SET UP ACROSS STA. IN FIELD	
131	336		265° 24'	+16.0	3.5	87° 40'	+13.7	+10.2		6160.0		+66	-329	677,549	2,521,494		
132	650		256° 53'	" "	6.1	88°	+22.7	+16.6		6166.4		+33	-649	677,515	2,521,174		
TP	829		254° 56' 07"	" "	4.3	87° 50'	+31.3	+27.0		6176.8	TP	+14	-828	677,495	2,520,993		
TP	829				6.7	87° 40'	+33.7	+27.0			TP	-1	-2				
	489		87° 23' 38"	+180	+16.0	+14.2	91° 36'	+13.6	+27.8	6204.6	BS	+113	-476				
133	330		86° 00'	" "	7.9	91°	-5.8	-13.7		6190.9		-64	+323	677,538	2,520,838		
134	0				5.4	-		-5.4		6199.2	π	0	0	677,607	2,520,515		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE July 15, 1982	INSTRUMENT MAN R. Hulsey	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY D. H.	LINE NO. C.A. 7	PAGE 21
AREA N. California-Sierra	TOPO MAP Loyalton 15'	STATE California	COUNTY Sierra	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.	
									6204.6					
135	330		260°24'	+16.0	5.8	90°20'	-1.9	-7.7		6196.9		+37	-328	677,644 2,520,187
TP	556		259°04'48"	" "	6.9	89°40'	+3.2	-3.7		6200.9	TP	+49	-554	677,655 2,519,960
TP	556				3.7	—		-3.7			TP	-1	-2	
	275		53°27'22'	+16.0	7.5	92°—	+9.6	+17.1	6218.0		BS	-96	-257	
	275		+180		6.7	92°10'	+10.4	+17.1			BS	-1	-2	
136	170		54°12'	+16.0	6.3	92°10'	-6.4	-12.7		6205.3		+58	+160	677,615 2,519,860
X	0		—		5.2	—		-5.2		6212.8	X	0	0	677,558 2,519,700 opp. side of rd.
137	160		252°49'	+16.0	4.4	89°—	+2.8	-1.6		6216.4		-3	-160	677,555 2,519,540
138	490		248°49'	" "	4.3	89°50'	+1.4	-2.9		6215.1		-44	-488	677,514 2,519,212
TP	625		249°00'18"	" "	4.6	89°50'	+1.8	-2.8			TP	-54	-623	677,503 2,519,076
	625				6.5	89°40'	+3.6	-2.9		6215.1	TP	-1	-2	
	360		71°36'33"	+16.0	4.0	91°—	+6.3	+10.3	6225.4		BS	-15	-360	
	360		+180'		3.0	91°16'	+7.3	+10.3			BS	-1	-2	
139	165		67°41'	+16.0	6.6	91°—	-2.9	-9.5		6215.9		+18	+164	677,505 2,518,878
X	0		—		5.2	—		-5.2		6220.2	X	0	0	677,486 2,518,714
140	165		247°14'	+16.0	2.8	87°32'	+7.1	+4.3		6229.7		-19	-164	677,467 2,518,550

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
July 15, 1982		R. Hulsey		D. Hamilton		6834		R.H. Jm		CA.7	22			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
N. California		Sierra		Loyalton 15'		California		Sierra				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.	
140									6225.4					
TP 370			248° 10' 36"	+16.0	11.9	87° 24'	+16.8	+4.9	6230.3	TP	-38	-368	677,447	2,518,344
					12.3	87° 20'	+17.2	+4.9			TP	-2		
450			67° 51' 00"	+16.0	3.9	—		+3.9	6234.2	BS	-48	-447		
			+180	"	6.2	TH	-2.3	+3.9			BS	-2	-2	
141	330		66° 01'	+16.0	8.0	—		-8.0	6226.2		+46	+327	677,443	2,518,222
142	0		—	"	5.7	—		-5.7	6228.5	X	0	0	677,397	2,517,895
143	328		237° 22'	"	7.7	88° 14'	+10.1	+2.4	6236.6		-94	-314	677,303	2,517,581
144	652		233° 55'	"	11.5	88° 20'	+19.0	+7.5	6241.7		-224	-612	677,173	2,517,283
TP 880			233° 58' 25"	"	8.5	88° 20'	+25.6	+17.1	6251.3	TP	-301	-826	677,094	2,517,066
					7.5	88° 24'	+24.6	+17.1			TP	-2		
410			57° 24' 39"	+16.0	13.3	—		+13.3	6264.6	BS	-117	-393		
			+180'		11.2	BH	+2.1	+13.3			BS	-2	-2	
145	310		51° 11'	+16.0	12.3	—		-12.3	6252.3		+120	+286	677,095	2,516,957
146	0		—	"	5.7	—		-5.7	6258.9	X	0	0	676,974	2,516,672
147	330		229° 12'	+16.0	5.2	89° -	+5.8	+0.6	6265.2		-138	-300	676,836	2,516,372

opp. side of rd.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
7-15-82		B. C. R. Hulsey		D. Hamilton		6834		R.H. Jm		CA. 7		23							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
NO. CALIF-SIERRA		Loyalton-15'		CALIF.		SIERRA								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				
									6264.6										
TP	387		230° 11' 29"	+16.0	4.0	88° 56'	+7.2	+3.2		6267.8	TP	-156	-354	676,816	2,516,316				
TP	387				3.5	89° -	+6.8	+3.3			TP	-2	-2						
BS	605		65° 56' 54" +18"	+16.0	+14.9	91° -	+10.6	+25.5			BS	-85	-599						
BS	605				+13.1	91° 10'	+12.3	+25.4	6293.2		BS	-2	-2						
148	330		67° 54'	+16.0	13.4	91° 10'	-6.7	-20.1		6273.1		+35	+328	676,765	2,516,043				
149	0				5.7	-	-	-5.7		6287.5	∩	0	0	676,730	2,515,715				
150	330		262° 44'	+16.0	2.9	89° -	+5.8	+2.9		6296.1		+50	-326	676,780	2,515,388				
151	660		" "	" "	10.0	88° 20'	+19.2	+9.2		6302.4		+100	-652	676,830	2,515,062				
TP	880		262° 44' 10"	" "	7.8	88° 20'	+25.6	+17.8		6311.0	TP	+134	-869	676,861	2,514,843				
TP	880				10.3	88° 10'	+28.1	+17.8			TP	-2	-2						
BS	200		100° 45' 43" +18"	+16.0	+14.2	84° -	+1.0	+15.2	6326.2		BS	+90	-179						
BS	200				+14.0	90° 20'	+1.2	+15.2			BS	-2	-2						
152	83		97° 25' 43"	+16.0	8.0	-	-	-8.0		6318.2		-33	+76	676,916	2,514,739				
∩	0				5.7	-	-	-5.7		6320.5	∩	0	0	676,949	2,514,663				
∩	60		99° 02' 30"	+16.0	7.0	-	-	-7.0		6319.2	∩	-25	+54	676,924	2,514,717				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	7-15-82	INSTRUMENT MAN	R. Hulsey	ROD MAN	D. Hamilton	PARTY NUMBER	6834	NOTES CHECKED BY	R.H. Jr	LINE NO.	C.A.-7	PAGE	24
AREA	No. CALIF. - SIERRA	TOPO MAP	Loyalton - 15'	STATE	CALIF.	COUNTY	SIERRA	TWP		RANGE		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.	
									6326.2					
153	250		256° 52'	+16.0	5.8	-		-5.8		6320.4		+13	-250	676,962 2,514,413
TP	355		230° 17'	" "	3.7	-		-3.7		6322.5	TP	-143	-325	676,804 2,514,336
TP	355			+16.0	1.9	BH	-1.8	-3.7			TP	-2	-2	
	355		230° 17' -180°	+15.8	3.7	-		+3.7	6326.2		BS	+144	+325	
	355				1.9	BH	+1.8	+3.7			BS	-1	-2	
X	0				5.4	-		-5.4		6320.8	X	0	0	676,948 2,514,658
154	480		214° 03'	+15.8	3.2	89° 50'	+1.4	-1.8		6324.4		-310	-367	676,638 2,514,291
155	785		209° 37'	" "	9.1	89° -	+13.7	+4.6		6330.8		-551	-559	676,397 2,514,099
156	1120		" "	" "	5.1	88° 50'	+22.8	+17.7		6343.9		-786	-798	676,162 2,513,861
TP	1205		209° 46' 52"	" "	7.1	88° 36'	+29.4	+22.3		6348.5	TP	-843	-860	676,104 2,513,796
TP	1205				5.6	88° 40'	+28.0	+22.4			TP			
	575		51° 37' 48" +180	+15.8	9.4	93° -	+30.0	+39.4	6387.9		BS	-220	-530	
	575				7.7	93° 10'	+31.7	+39.4			BS	-1	-1	
157	335	334	49° 35'	+15.8	4.6	93° 10'	-18.5	-23.1		6364.8		+139	+304	676,022 2,513,569
158	0				5.7	-		-5.7		6382.2	X	0	0	675,883 2,513,264
159	328	327	237° 38'	+15.8	4.3	85° 40'	+24.7	+20.4		6408.3		-93	-313	675,790 2,512,951
160	658	655	235° 58'	" "	7.3	84° 30'	+62.8	+55.5		6443.4		-205	-622	675,678 2,512,642

676,805 x = 2,514,335  
 Bridge  
 Horiz. Corr. y = -47'  
 z = -58'

Opp. Side of Road

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE July 15, 1982	INSTRUMENT MAN R. Hulsey	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY R.H. fm	LINE NO. C.A.-7	PAGE 25
AREA N. California-Sierra	TOPO MAP Loyalton 15'	STATE California	COUNTY Sierra	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
									6387.9						
TP	740		235°42'37"	+15.8	9.6	84°40'	+68.5	+58.9	}	6446.8	TP	-234	-699	675,648	2,512,565
					8.7	84°44'	+67.6	+58.9		TP			-1	-1	
	386		59°20'58"	+15.8	9.1	89°	-6.7	+2.4	}	6449.1	BS	-99	-373		
			+180°		8.6	89°04'	-6.3	+2.3			BS				
161	140		61°19'	+15.8	4.0	89°04'	+2.3	-1.7		6447.4		+31	+136	675,579	2,512,327
X	0				5.7	—		-5.7		6443.4	X	0	0	675,548	2,512,191
162	192		257°09'	+15.8	4.4	89°	+3.4	-1.0		6448.1		+10	-192	675,558	2,511,999
163	520		252°31'	"	6.4	87°40'	+21.2	+14.8		6463.9		-15	-519	675,533	2,511,671
TP	580		252°26'02"	"	6.7	87°30'	+25.3	+18.6	}	6467.7	TP	-18	-579	675,529	2,511,610
					5.0	87°40'	+23.6	+18.6			TP				
	150	149	60°11'30"	+15.8	2.3	95°	+13.0	+15.3	}	6483.0	BS	-36	-145		
			+180		2.1	95°04'	+13.2	+15.3			BS				
X	0				5.7	—		-5.7		6477.3	X	0	0	675,492	2,511,464
164	128		266°24'	+15.8	3.6	87°	+6.7	+3.1		6486.1		+27	-125	675,519	2,511,340
TP	340	339	260°39'40"	"	3.0	86°16'	+22.1	+19.1	}	6502.1	TP	+38	-337	675,529	2,511,126
					2.6	86°26'	+21.7	+19.1			TP				

opp. side of rd.

opp. side of rd.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
July 15, 1982		R. Hulsey		B. Catcamp		6834		R.H. <i>lm</i>		C.A. 7	26					
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER						
N. California-Sierra		Loyalton 15'	California	Sierra						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
164										6502.1						
	360		34°48'41" +180°	+15.8	14.3	91°-	+6.3	+20.6	6522.6		BS	-228	-278	67		
					13.2	91°10'	+7.3	+20.5		BS						
												+173	+187	675,473	2,511,036	
165	255		31°29'	+15.8	12.3	90°36'	-2.7	-15.0	6507.6			↓	↓	↓	↓	
	π	○			5.7	—		-5.7	6516.9		π	0	0	675,300	2,510,849	c/c rd.
166	70		242°13'	+15.8	2.8	—		-2.8	6519.8			-15	-68	675,285	2,510,781	
167	400	399	234°49'	"	2.6	87°-	+20.9	+18.3	6540.9			-133	-377	675,167	2,510,472	
168	730	729	236°10'13"	"	11.5	86°30'	+44.5	+33.0	6555.5		TP	-226	-693	675,073	2,510,155	
					12.4	86°26'	+45.3	+32.9		TP						
	658		61°08'32" +180	+15.8	8.5	92°-	+23.0	+31.5	6587.0		BS	-149	-641			
					6.6	92°10'	+24.9	+31.5		BS						
169	330		53°57'	+15.8	1.0	92°-	-11.5	-12.5	6574.5			+114	+309	675,037	2,509,823	
170	○				5.6	—		-5.6	6581.4		π	0	0	674,923	2,509,514	
171	330		234°28'	+15.8	0.3	—		-0.3	6586.7			-111	-311	674,812	2,509,203	
172	660		235°42'03"	"	12.3	88°30'	+17.3	+5.0	6592.0		TP	-209	-626	674,713	2,508,887	
	990	989	73°20'15" +180	+15.8	2.7	93°-	+51.7	+54.4	6646.4		BS	-15	-989			
					0.5	93°08'	+54.0	+54.5		BS						

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
July 15, 1982		R. Hulsey		B. Cotcamp		6834		D.H.		C.A.-7	27						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
N. California-Sierra		Loyalton 15'	California	Sierra					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		
									6646.4								
173	660	659	73°20'	+15.8	6.0	93°-	-34.5	-40.5		6605.9		+10	+659	674,707	2,508,557		
174	330		" "	" "	5.7	93°-	-17.2	-22.9		6623.5		+5	+330	674,702	2,508,227		
175	0				5.7	-		-5.7		6640.7	TP	0	0	674,697	2,507,897		
176	330		268°42'	+15.8	5.3	87°-	+17.2	+11.9		6658.3		+83	-319	674,780	2,507,578		
177	660	659	268°41'56"	" "	3.9	87°-	+34.5	+30.6		6677.0	TP	+165	-638	674,861	2,507,258		
					2.0	87°10'	+32.6	+30.6			TP						
	410		74°16'32"	+15.8	2.3	92°-	+14.3	+16.6			BS	+1	-410				
			+180°	" "	1.0	92°10'	+15.5	+16.5		6693.5	BS						
178	80		70°42'	" "	5.6	92°-	-2.8	-8.4		6685.1		+5	+80	674,866	2,506,927		
	0				5.7	-		-5.7		6687.8	TP	0	0	674,861	2,506,848	opp. side of rd.	
179	250		264°08'	+15.8	4.0	88°-	+8.7	+4.7		6698.2		+43	-246	674,904	2,506,602		
180	580		" "	" "	0.1	88°-	+20.2	+20.1		6713.6		+100	-571	674,961	2,506,277		
181	910	909	264°13'07"	" "	4.5	87°-	+47.6	+43.1		6736.6	TP	+158	-895	675,018	2,505,952		
					1.8	87°10'	+44.9	+43.1			TP						
	488		103°34'01"	+15.8	1.2	94°-	+34.0	+35.2			BS	+239	-424				
			+180°		0.9	94°02'	+34.2	+35.1		6771.7	BS						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE July 15, 1982	INSTRUMENT MAN R. Hulsey	ROD MAN B. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY D.H.	LINE NO. C.A.-7	PAGE 28
AREA N. California-Sierra	TOPO MAP Loyalton 15'	STATE California	COUNTY Sierra	TWP	RANGE	PPM
				PARTY MANAGER 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.	
									6771.7					
182	158		98° 26'	+15.8	1.6	94°	-11.0	-12.6		6759.1		-65	+144	675,191 2,505,670
X	O				5.7			-5.7		6766.0	X	O	O	675,256 2,505,526 4~ rd
183	170		278° 43'	+15.8	4.4			-4.4		6767.3		+71	-155	675,327 2,505,372
TP	375		281° 50' 24"	" "	9.3			-9.3		6762.4	TP	+174	-332	675,429 2,505,193
					11.1	TH	+1.9	-9.2			TP			
	618	616	116° 38' 52'	+15.8	5.3	85°	-53.7	-48.4	6714.0		BS	+416	-454	6-
			+180°		3.5	85° 10'	-51.9	-48.4			BS			
184	490	488	115° 03'	+15.8	4.9	85°	+42.5	+37.6		6751.6		-319	+369	675,525 2,505,107
185	160	159	" "	" "	7.1	85°	+13.9	+6.8		6720.8		-104	+121	675,740 2,504,859
X	O				5.7			-5.7		6708.3	X	O	O	675,844 2,504,738
186	172	171	311° 45'	+15.8	4.1	96°	-17.9	-22.0		6692.0		+144	-92	675,988 2,504,646
TP	338	336	307° 57' 51"	" "	3.7	96°	-35.1	-38.8		6675.2	TP	+271	-199	676,114 2,504,538
					2.7	96° 10'	-36.1	-38.8			TP			
	358	357	115° 16' 55"	+15.8	2.5	85°	-31.1	-28.6			BS	+234	-269	
			+180°		2.0	85° 04'	-30.7	-28.7	6646.5		BS			
187	200	199	113° 18'	+15.8	2.4	85°	+17.4	+15.0		6661.5		-126	+155	676,221 2,504,423

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
July 15, 1982		R. Hulsey		B. Cotcamp		6834		D. H. Ym		C.A.-7		29			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. California-Sierra		Loyalton 15'		California		Sierra								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
187									6646.5						
X	O		—		5.7	—		-5.7		6640.8	X	0	0	676,347	2,504,268
188	130		302° 15'	+75.8	11.8	93° -	-6.8	-18.6		6627.9		+97	-87	676,444	2,504,182
TP	348	346	303° 29' 28"	" "	2.4	96° -	-36.2	-38.6	}	6607.9	TP	+262	-226	676,608	2,504,042
					1.4	96° 10'	-37.2	-38.6			TP				
	950	946	101° 13' 18'	+75.8	6.9	85° -	-82.5	-75.6	}	6532.3	BS	+430	-843	6	
			+180°		4.2	85° 10'	-79.8	-75.6			BS				
189	835	832	101° 13'	+75.8	9.5	85° -	+72.5	+63.0		6595.3		-378	+741	676,659	2,503,939
190	505	504	" "	" "	3.0	86° -	+35.1	+32.1		6564.4		-229	+449	676,808	2,503,646
191	175		" "	" "	6.1	86° -	+12.2	+6.1		6538.4		-79	+156	676,958	2,503,353
X	O		—	" "	5.7	—		-5.7		6526.6	X	0	0	677,037	2,503,198
192	150		255° 56'	" "	8.6	92° -	-5.2	-13.8		6518.5		+5	-150	677,042	2,503,048
TP	405	404	253° 00' 46"	" "	9.9	93° -	-21.2	-31.1	}	6501.2	TP	-8	-404	677,028	2,502,792
					8.8	93° 10'	-22.3	-31.1			TP				
	783	781	50° 52' 28"	+75.8	8.5	86° -	-54.5	-46.0	}	6455.1	BS	-309	-717		
			+180°		6.1	86° 10'	-52.2	-46.1			BS				
193	710	708	50° 52'	+75.8	6.4	86° -	+49.4	+43.0		6498.1		+281	+650	676,999	2,502,724

RESURV  
7/15/82  
RKH

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
July 15, 1982		R. Hulsey		B. Cotcamp		6834		R/H. <i>jm</i>		C.A. 7		30			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. California-Sierra		Loyalton 15'		California		Sierra								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
									6455.1						
194	380	379	50° 52'	+15.8	4.1	86° -	+26.4	+22.3		6477.4		+150	+348	676,868	2,502,422
195	50		" "	" "	5.3	86° -	+3.5	-1.8		6453.3		+20	+46	676,738	2,502,120
π	0		—	" "	5.7	—		-5.7		6449.4	π	0	0	676,718	2,502,074
196	275	274	200° 37'	+15.8	7.5	94° -	-19.1	-26.6		6428.5		-221	-163	676,497	2,501,911
197	600	599	196° 04'	" "	13.7	93° -	-31.4	-45.1		6410.0		-509	-316	676,209	2,501,758
TP	860	859	199° 59' 17"	" "	1.0	93° -	-44.9	-45.9		6409.2	TP	-697	-502	676,020	2,501,571
					0.4	93° 02'	-45.4	-45.8			TP				
	670		31° 37' 08'	+16.2	7.6	88° -	-23.4	-15.8		6393.4	BS	-450	-496		
			+186		6.0	88° 08'	-21.8	-15.8			BS				
198	620		32° 17'	+16.2	5.7	88° -	+21.6	+15.9		6409.3		+411	+464	675,980	2,501,538
199	290		30° 17'	" "	2.3	88° -	+10.1	+7.8		6401.2		+200	+210	675,769	2,501,284
π	0		—	" "	5.7	—		-5.7		6387.7	π	0	0	675,569	2,501,074
200	32		186° 43'	+16.2	3.4	88° -	+1.1	-2.3		6391.1		-29	-12	675,540	2,501,061
201	360		211° 35'	" "	8.0	91° -	-6.3	-14.3		6379.1		-242	-267	675,327	2,500,807
TP	350		213° 51' 24"	" "	5.5	91° 26'	-8.8	-14.3		6379.1	TP	-225	-268	675,343	2,500,804
					7.0	91° 12'	-7.3	-14.3			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
July 15, 1982		R. Hulsey		D. Hamilton		6834		R.H. Jm		C.A.-7	31					
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER				
N. California-Sierra		Loyalton 15'		California		Sierra						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 Y X		REMARKS
201	435		29°32'07" +180°	+16.2	14.3	87°	-22.7	-8.4		6379.1	BS	-303	-311			
					13.0	87°10'	-21.5	-8.5	6370.6		BS	-1	-1			
202	115		31°27'	+16.2	3.8	87°	+6.0	+2.2	6372.8			+77	+85	675,116	2,500,577	
				"	5.7	—	—	-5.7	6364.9		X	0	0	675,039	2,500,492	50' (W) of rd
203	215		187°33'	"	12.2	89°12'	+3.0	-9.2	6361.4			-197	-87	674,842	2,500,406	
204	450		228°43'	"	5.2	TH	+2.3	-2.9	6367.7			-191	-408	674,848	2,500,085	
	498		228°39'28"	"	3.1	TH	+2.5	-0.6	6370.0		TP	-212	-451	674,826	2,500,040	
					0.6	—	—	-0.6			TP	-1	-1			
	1130		33°32'22" +180°	+16.2	7.1	—	—	+7.1			BS	-730	-862			
					12.7	TH	-5.7	+7.0	6377.0		BS	-2	-1			
205	850		33°32'	+16.2	4.6	—	—	-4.6	6372.4			+549	+649	674,643	2,499,826	
206	520		" "	"	2.0	—	—	-2.0	6375.0			+336	+397	674,430	2,499,574	
207	190		" "	"	4.4	—	—	-4.4	6372.6			+123	+145	674,217	2,499,322	
				"	5.7	—	—	-5.7	6371.3		X	0	0	674,094	2,499,177	opp. side of rd
208	145		251°38'	"	9.7	—	—	-9.7	6367.3			-5	-145	674,089	2,499,032	
209	475		" "	+16.2	4.8	92°	-16.6	-21.4	6355.6			-18	-474	674,076	2,498,703	
210	800		249°31'	"	5.5	92°	-27.9	-33.4	6343.6			-60	-797	674,034	2,498,380	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
July 15, 1982		R. Hulsey		D. Hamilton		6834		R.H. Jm		C.A.-7	32					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
N. California: Sierra		Loyalton 15'	California	Sierra					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.															
									6377.0							
211	1120	1119	249°03'46"	+16.2	7.0	92°	-39.1	-46.1		6330.9	TP	-92	-1115	674,000	2,498,061	
					3.8	92°10'	-42.3	-46.1		TP			-2			
	1384		75°53'33"	+16.2	4.4	89°30'	-12.1	-7.7	6323.2		BS	+51	-1383			
			+180°		2.8	89°34'	-10.5	-7.7		BS			-2	-1		
212	1054		75°53'	+16.2	0.9	—		-0.9		6322.3		-38	+1053	674,011	2,497,730	
213	724		" "	" "	13.1	BH	-3.6	-16.7		6306.5		-26	+724	674,023	2,497,400	
214	394		" "	" "	10.8	91°	-6.9	-17.7		6305.5		-14	+394	674,035	2,497,070	
7K	310		81°35'	" "	11.9	91°	-5.4	-17.3		6305.9	7K	-42	+307	674,007	2,496,984	u-674,050 Bridge x-2496,950
215	70		93°35'	+16.2	7.7	—		-7.7		6315.5		-24	+66	674,025	2,496,743	
π	0		—	" "	5.7	—		-5.7		6317.5	π	0	0	674,049	2,496,677	Opp. side of rd.
216	270		305°	+16.2	3.1	88°	+9.4	+6.3		6329.5		+210	-169	674,259	2,496,508	
217	600		305°53'	" "	0.7	88°	+20.9	+20.2		6343.4		+473	-368	674,522	2,496,308	
218	925	924	305°11'	" "	11.2	87°30'	+40.3	+29.1		6352.3		+722	-577	674,771	2,496,100	
TP	998		300°54'14"	+15.8	10.8	87°24'	+45.2	+34.4		6357.6	TP	+726	-684	674,773	2,495,992	
					9.1	87°30'	+43.5	+34.4		TP			-2			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
June 15, 1982		R. Hulsey		D. Hamilton		6834		RPH, Jm		C.A. - 7	33			
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
N. California-Sierra		Loyalton 15'		California	Sierra					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.	
218										6357.6				
	220		65°48'28"	15.8	7.5	88°	-7.7	-0.2	6357.4		BS	-32	-218	
			+180	" "	6.8	88°10'	-7.0	-0.2			BS	-2	-1	
219	0		—		5.7	—		-5.7		6351.7	K	0	0	674,739 2,495,773 opp. side of rd
220	330	329	267°40'	15.8	5.1	94°-	-23.0	-28.1		6329.3		+77	-320	674,816 2,495,453
<del>221</del>	470	469	266°40'46"	" "	2.6	94°-	-32.7	-35.3		6322.1	TP	+101	-458	674,838 2,495,315
					1.2	94°10'	-34.1	-35.3			TP	-2		
	410	409	37°34'08"	15.8	7.7	86°-	-28.5	-20.8	6301.3		BS	-244	-328	
			+180	" "	6.5	86°10'	-27.3	-20.8			BS	-2	-1	
221	230	229	38°35'	15.8	6.3	86°-	+16.0	+9.7		6311.6		+134	+187	674,726 2,495,172
	K	0	—	" "	5.7	—		-5.7		6295.6	K	0	0	674,592 2,494,985
222	98		254°12'	15.8	8.3	—		-8.3		6293.0		0	-98	674,592 2,494,887
223	430		256°32'	" "	11.9	—		-11.9		6289.4		+18	-430	674,610 2,494,556
	TP	560	255°51'24"	" "	14.5	—		-14.5		6286.8	TP	+16	-560	674,606 2,494,425
					11.6	BH	-2.8	-14.4			TP	-2		
	942		67°02'19"	15.8	4.3	TH	-4.7	-0.4	6286.4		BS	-117	-935	
			+180	" "	3.1	89°40'	-5.5	-0.4			BS			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE July 15, 1982	INSTRUMENT MAN R. Hulsey	ROD MAN D. Hamilton	PARTY NUMBER 6838	NOTES CHECKED BY D. H. <i>hm</i>	LINE NO. C.A.-7	PAGE 34
AREA N. California-Sierra	TOPO MAP Loyalton 15'	STATE California	COUNTY Sierra	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		
									6286.4								
224	751		62°21'	+75.8	2.6	TH	+3.8	+1.2		6287.6		+154	+735	674,641	2,494,224		↑
225	440		53°18'	" "	6.8	89°-	+7.7	+0.9		6287.3		+157	+411	674,644	2,493,900		Loyalton 15'
226	115		56°17'	" "	3.3	—	—	-3.3		6283.1		+35	+109	674,522	2,493,598		Sierraville 15'
TP	0		—	" "	5.7	—	—	-5.7		6280.7	TP	0	0	674,487	2,493,489		↓
227	215		246°02'	+75.8	7.3	—	—	-7.3		6279.1		-31	-213	674,456	2,493,276		
228	540		247°32'	" "	10.1	—	—	-10.1		6276.3		-63	-536	674,424	2,492,953		
229	860		242°11'	" "	6.3	—	—	-6.3		6280.1		-179	-841	674,308	2,492,648		
TP	1040		240°20'45"	" "	6.4	—	—	-6.4		6280.0	TP	-249	-1010	674,236	2,492,478		
					11.6	TH	+5.2	-6.4			TP						
	352		43°33'35"	+15.8	10.4	89°-	-6.1	+4.3			BS	-179	-303				
			+180"	" "	9.7	89°06'	-5.5	+4.2	6284.2		BS						
230	200		43°36'	+15.8	6.0	89°-	+3.5	-2.5		6281.7		+102	+172	674,157	2,492,347		
TP	0		—	" "	5.7	—	—	-5.7		6278.5	TP	0	0	674,055	2,492,174		opp. side of rd.
231	135		252°52'	+15.8	6.0	89°-	+2.4	-3.6		6280.6		-3	-135	674,052	2,492,040		
232	462		250°04'08"	" "	4.9	—	—	-4.9			TP	-33	-461	674,020	2,491,713		
					7.3	TH	+2.3	-5.0		6279.2	TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
July 15, 1982		R. Hulse		D. Hamilton		6834		D.H. <i>dm</i>		C.A.-7		35				
AREA		TOPO MAP		STATE		COUNTY		FWP		RANGE		PPM		PARTY MANAGER		
N. California-Sierra		Sierraville 15'		California		Sierra								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 Y X		REMARKS
232										6279.2						
	488		76° 18' 16"	+158°	0.2	—		+0.2	6279.4		BS	+18	-488			
			+180°		2.7	TH	-2.4	+0.3			BS	-2	-			
233	165		68° 50'	+15.8°	3.7	—		-3.7	6275.7			+15	+164	674,051	2,491,388	
	0				5.7	—		-5.7	6273.7		X	0	0	674,036	2,491,224	
234	168		252° 05'	+158°	6.8	—		-6.8	6272.6			-6	-168	674,030	2,491,056	
235	498		252° 36'	" "	13.7	—		-13.7	6265.7			-14	-498	674,022	2,490,726	
	630		252° 01' 01"	" "	11.2	90° 42'	-7.7	-18.9	6260.5		TP	-24	-630	674,010	2,490,594	Hwy 89 Rd. int. HORIZ. y = CORR. x = -46'
					11.6	90° 40'	-7.3	-18.9			TP	-2	-			EOD
	870		115° 17' 30"	+180°	+16.1	91°	+15.2	+28.5	6289.0		BS	+575	-653			
	870				+10.8	91° 10'	+17.7	+28.5			BS	+1	-3			
236	660		112° 58'	+16.1	7.6	91° 30'	-17.3	-24.9	6264.1			-416	+512	674,170	2,490,451	
237	331		111° 08'	" "	9.9	91° 30'	-8.7	-18.6	6270.4			-200	+263	674,386	2,490,202	
238	33		190° 28'	" "	7.2	97° 50'	-4.5	-11.7	6277.3			-29	-15	674,557	2,489,924	
	0				5.4	—		-5.4	6283.6		X	0	0	674,586	2,489,938	OFF ROAD ASH ST.
239	330		267° 54'	+16.1	10.5	89° 10'	+4.8	-5.7	6283.3			+80	-320	674,666	2,489,618	
240	664		" "	" "	6.8	89° 10'	+9.7	+2.9	6291.9			+161	-644	674,747	2,489,294	
241	994		" "	" "	3.6	89° 10'	+14.5	+10.9	6299.9			+240	-964	674,827	2,488,974	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-16-82		B. Cotcamp		D. Hamilton		6834		D.H. J.M.		CA-7	36					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
NO. CALIF. - SIERRA		Sierraville 15	CALIF.	SIERRA					L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
									6289.0					Y	X	
242	1322		267° 54'	+16.1	6.2	89°	+23.1	+16.9		6305.9		+320	-1283	674,906	2,488,656	
TP	1508		267° 16' 37"	" "	11.5	89°	+26.3	+14.8		6303.8	TP	+349	-1467	674,936	2,488,469	
TP	1508				7.0	89° 10'	+21.9	+14.9			TP	+1	-3			
	640		67° 44' 56" +180	+16.1	+6.8	-		+6.8		6310.6	BS	-69	-636			
	640				+10.0	TH	-3.2	+6.8			BS	+1	-3			
243	500		65° 42'	+16.1	8.6	-		-8.6		6302.0		+71	+495	674,940	2,488,324	
244	171		64° 42'	" "	12.5	-		-12.5		6298.1		+27	+169	674,896	2,487,998	
π	0				5.4	-		-5.4		6305.2	π	0	0	674,868	2,487,829	OFF ROAD
245	162		220° 09'	+16.1	8.1	-		-8.1		6302.5		-90	-135	674,778	2,487,695	
246	495		219° 56'	" "	1.7	-		-1.7		6308.9		-277	-411	674,592	2,487,419	
247	821		218° 33'	" "	10.1	88° 40'	+19.1	+9.0		6319.6		-475	-669	674,394	2,487,160	
TP248	1159		217° 41' 13"	" "	4.8	88° 30'	+27.0	+22.2			TP	-685	-935	674,185	2,486,891	ACROSS ROAD
TP248	1159				8.2	88° 30'	+30.3	+22.1		6332.7	TP	+1	-3			
	1120		54° 09' 38" +180	+16.1	+7.1	92°	+39.1	+46.2		6378.9	BS	-378	-1054			
	1120				+3.9	92° 10'	+42.3	+46.2			BS		-3			
249	781		54° 32'	+16.1	6.9	92°	-27.2	-34.1		6344.8		+259	+736	674,066	2,486,571	
250	451		53° 22'	" "	6.3	92°	-15.7	-22.0		6356.9		+158	+422	673,965	2,486,257	
251	137		43° 40'	" "	5.9	92°	-4.8	-10.7		6368.2		+69	+118	673,876	2,485,953	
π	0				5.4	-		-5.4		6373.5	π	0	0	673,807	2,485,835	ACROSS ROAD
252	203		254° 03'	+16.1	8.3	87°	+10.6	+2.3		6381.2		+1	-203	673,807	2,485,634	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
July 16, 1982		B. Cotcamp		D. Hamilton		6834		D.H. JM		C.A.-7	37						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
N. California-Sierra		Sierraville 15'		California		Sierra					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		
									6378.9								
TP	264		147° 27' 41"	+16.1°	12.6	95°	-22.9	-35.5	6343.4	TP	-252	+74	673,555	2,485,906		Traverse to	
TP	264				11.8	95° 10'	-23.7	-35.5									TP
	784		100° 42' 27"	+16.1°	18.6	93° 20'	+45.5	+64.1	6407.5	BS	+353	-699					
	784		+180°		18.7	266° 40'	+45.5	+64.2									BS
K	0		—		5.4	—		-5.4	6402.1	K	0	0	673,908	2,485,206			
sec. cor.	82		241° 25' 16"	+16.1°	1.4	89° 40'	+0.5	-0.9				-18	-80	673,890	2,485,126	sec. cor.	
TP	1226		304° 39' 10"	" "	+2.7	91° 30'	-32.1	-44.8	6362.7	TP	+949	-775	674,857	2,484,428			
TP	1226				9.1	91° 40'	-35.6	-44.7									TP
	735		87° 33' 41"	+16.1°	5.3	86° 20'	-46.9	-41.6	6321.1	BS	+173	-713					
	735		+180°	" "	4.0	86° 26'	-45.6	-41.6									BS
K	0		—		5.4	—		-5.4	6315.7	K	0	0	675,030	2,483,714			
TP	303		299° 06' 23"	+16.1°	6.6	93° 40'	-19.3	-25.9	6295.2	TP	+215	-213	675,245	2,483,499			
TP	303				5.7	93° 50'	-20.2	-25.9									TP
	401		67° 21' 17"	+16.1°	5.2	86°	-27.9	-22.7	6272.5	BS	-46	-397					
	401		+180°		6.4	85° 50'	-29.1	-22.7									BS

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE July 16, 1982	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY P.H.	LINE NO. C.A.-7	PAGE 38
AREA N. California Sierra	TOPO MAP SIERRAVILLE-15'	STATE California	COUNTY Sierra	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.	
									6272.5					
TP	0				5.4	5		-5.4		6267.1	TP	0	0	675,199 2,483,099
TP	282		268° 14' 29"	+16.1	4.9	93° -	-14.7	-19.6			TP	+70	-273	675,269 2,482,824
TP	282				4.1	93° 10'	-15.6	-19.7		6252.8	TP		-2	
	460		121° 33' 37"	+16.1	5.6	87° 30'	-20.0	-14.4			BS	+340	-310	
	460		+180°		6.9	87° 20'	-21.4	-14.5	6238.3		BS		-2	
TP	0				5.0			-5.0		6233.3	TP	0	0	675,608 2,482,513
BM	669		297° 36' 30"	+16.1	5.3	BH	-3.3	-8.6		6229.7	TP	+462	-484	676,071 2,482,027 BM
BM	669				4.7	90° 20'	-3.9	-8.6			TP		-2	(topo. 6229)
	669		297° 36' 30"		5.3	BH	+3.3	+8.6	6238.3		BS			Seperate run on hor. due to magnetic attraction
	669		-180°		4.7	90° 20'	+3.9	+8.6			BS			(see pg. PA-1) Traverse back to line
TP	0				5.0			-5.0		6233.3	TP			
TP	460		121° 33' 37"		5.6	87° 30'	+20.0	+14.4		6252.7	TP			
TP	460				6.9	87° 20'	+21.4	+14.5			TP			
	282		268° 14' 29"		4.9	93° -	+14.7	+19.6	6272.3		BS			
	282		-180°		4.1	93° 10'	+15.6	+19.7			BS			

SURVEY NOTES-HIGH RESOLUTION DATA  
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
July 16, 1982		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	39						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
N. California-Sierra		Sierraville 15'	California	Sierra					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		
TP	0		—		5.4	—		-5.4		6266.9	TP						
TP	401		67°21'17"		5.2	86°	+27.9	+22.7		6295.0	TP						
TP	401				6.4	85°50'	+29.1	+22.7			TP						
	303		299°06'23"		6.6	93°40'	+19.3	+25.9		6320.9	BS						
	303		-180°		5.7	93°50'	+20.2	+25.9			BS						
TP	0		—		5.4	—		-5.4		6315.5	TP						
TP	735		87°33'41"		5.3	86°20'	+46.9	+41.6		6362.5	TP						
TP	735				4.0	86°26'	+45.6	+41.6			TP						
	1226		304°39'10"		12.7	91°30'	+32.1	+44.8			BS						
	1226		-180°		9.1	91°40'	+35.6	+44.7		6407.2	BS						
sec. cor.	82		241°25'16"		1.4	89°40'	+0.5	+1.9		6409.1							Sec. cor.
TP	0		—		5.4	—		-5.4		6401.8	TP						
TP	784		100°42'27"		18.6	93°20'	-45.5	-64.1			TP						
TP	784				18.7	266°40'	-45.5	-64.2		6343.0	TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
July 16, 1982		B. Cotcamp		D. Hamilton		6834		D.H. Jm		ca 7	40				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
N. California Sierra		Sierraville 15'	California	Sierra					h.o. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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
															Plate Angles
	782		100° 42'	+16.9	18.6	93° 20'	+45.4	+64.0	6407.0		BS				
	782		38' 11" +180°		19.5	93° 16'	+44.5	+64.0			BS				
253	102	81° 24'	<del>80° 44'</del>	+16.9	5.8	93° -	-5.3	-11.1		6395.9		-15	+101	673,892 2,485,307	Back on line Side shots are corrected from magnetic to plate angles
	0				5.4			-5.4		6401.6		0	0	673,907 2,485,206	
254	260	318° 30'	317° 50'	+16.9	5.9	90° 40'	-3.0	-8.9		6398.1		+236	-108	674,143 2,485,098	How 89° Rd. int.
71	457		<del>311° 30' 24"</del> 312° 10' 50"	+16.9	9.5	90° 40'	-5.3	-14.8		6392.2		+392	-235	674,299 2,484,971	
255	475	295° 09'	<del>244° 29'</del>	+16.9	4.9	91° -	-8.3	-13.2		6393.8		+318	-353	674,225 2,484,854	Shooting around curve ↓
256	339	257° 29'	<del>256° 49'</del>	+16.9	4.9	89° -	+5.9	+7.0		6408.0		+26	-338	673,933 2,484,868	
257	324	195° 32'	<del>194° 52'</del>	+16.9	4.4	87° 40'	+13.2	+8.8		6415.8		-273	-174	673,634 2,485,033	
<del>258</del>	441		<del>172° 14' 44"</del>	+16.9	3.9	87° 50'	+16.7	+12.8		6419.8		-434	-75	673,473 2,485,131	EOD
TP	441		172° 55' 15"		5.1	87° 40'	+17.9	+12.8							
	611		<del>337° 49' 22"</del>	+16.9	+4.5	93° 10'	+33.7	+38.2	6458.0		BS	-608	+49		
	611		338° 29' 49"		+2.7	93° 20'	+35.5	+38.2			BS				
258	469	338° 29'	<del>337° 49'</del>	+16.9	6.9	93° 20'	-27.2	-34.1		6423.9		+467	-38	673,331 2,485,142	
259	140	341° 46'	<del>341° 06'</del>	+16.9	5.5	93° 20'	-8.1	-13.6		6444.4		+140	-3	673,004 2,485,177	
	0				5.4			-5.4		6452.6		0	0	672,865 2,485,186	ACCESS LINE
260	201	200° 36'	<del>199° 56'</del>	+16.9	5.6			-5.6		6452.4		-159	-122	672,705 2,485,058	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-20-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		CA. 7	41					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIFORNIA-SIERRA		Sierraville 15'		CALIF.		SIERRA					L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	DEE	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
				+16.9	Correction from plate to grid				6458.6							
261	535	197°20'	196°40'	+16.9	11.7	-		-11.7		6446.3		-442	-301	672,422	2,484,879	↑
262	860	194°01'	193°21'	+16.9	8.0	90°40'	10.0	-18.0		6440.0		-738	-442	672,127	2,484,738	Sierraville 15' Quad.
TP	1019		192°15'06"	+16.9	9.0	90°40'	-11.9	-20.9		6437.1	TP	See pg. PA-2		671,976	2,484,671	
TP	1019				6.1	90°50'	-14.8	-20.9			TP					
	712		<del>19°27'13" +11.8</del>	+9.1		89°-	-12.4	-3.3			BS	See pg. PA-2				Donner Pass 15' Quad
	712			+7.0		89°10'	-10.4	-3.4	6433.7		BS					↓
263	549	19°18'	21°44'	+16.9	8.1	89°10'	+8.0	-6.1		6433.6		+443	+324	671,827	2,484,590	
264	219	" "	" "	+16.9	7.7	89°10'	+3.2	-4.5		6429.2		+177	+129	671,561	2,484,395	
X	0				5.4	-		-5.4		6428.3	X	O	O	671,384	2,484,266	
265	111	194°04'	196°-	+16.9	6.5	89°10'	+1.6	-4.9		6428.8		-95	-57	671,289	2,484,208	
266	440	181°40'	183°36'	+16.9	5.5	89°10'	+6.4	+0.9		6434.6		-417	-140	670,967	2,484,125	
TP	659		183°50'53"		2.7	89°-	+11.5	+8.8		6442.5	TP	See pg. PA-2		670,760	2,484,052	
TP	659				4.6	88°50'	+13.4	+8.8			TP					
	1387		28°10'01" +18.0	+10.8		89°	+6.9	+17.7			BS	See pg. PA-2				
	1387			+13.6		90°10'	+4.0	+17.6	6460.1		BS					
267	1258	27°07'	27°06'	+16.9	11.7	90°10'	-3.7	-15.4		6444.7		+905	+874	670,683	2,483,944	
268	928	26°45'	26°46'	+16.9	12.8	90°16'	-4.3	-17.1		6443.0		+671	+641	670,450	2,483,711	
269	600	26°02'	26°03'	+16.9	10.3	90°10'	-1.7	-12.0		6448.1		+439	+409	670,218	2,483,479	
270	276	23°46'	23°47'	+16.9	7.2	89°-	+4.8	-2.4		6457.7		+209	+180	669,988	2,483,250	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-20-82		B. Cotcamp		D. Hamilton		6834		D.H.		C.A.-7	42					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF. - SIERRA		Donner Pass 15'		CALIF.		SIERRA					L. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	DEG	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	
				+16.9	Correction	Plate →	Grid		6459.8							
π	0				5.4	-		-5.4		6454.7	π	0	0	669,779	2,483,070	
271	62	242°45'	<del>242°46'</del>	+16.9	7.6	89°40'	+0.4	7.2		6452.9		-11	-61	669,767	2,483,009	
272	390	229°29'	<del>229°30'</del>	+16.9	8.6	-		-8.6		6451.5		-156	-357	669,622	2,482,713	
TP	578		<del>229°35'47"</del>	+16.9	3.3	-		-3.3		6456.8	TP	See pg. PA-2		669,547	2,482,540	
TP	578				6.2	TH	+2.9	-3.3			TP					
	1020		61°12'06"	+16.9	+7.6	TH	-5.1	+2.5	6459.3		BS	See pg. PA-2				
	1020				+8.4	89°40'	-5.9	+2.5			BS					
273	875	59°36'	<del>59°45'</del>	+16.9	8.5	89°28'	+8.1	0.4		6458.9		+204	+851	669,537	2,482,392	
274	545	59°36'	<del>59°45'</del>	+16.9	8.5	89°08'40"	+8.2	0.3		6459.0		+127	+530	669,460	2,482,071	
275	215	60°55'	<del>61°04'</del>	+16.9	8.5	88°-	+7.5	7.0		6458.3		+45	+210	669,378	2,481,751	
π	0				5.4	-		-5.4		6453.9	π	0	0	669,332	2,481,541	
276	115	247°34'	<del>247°43'</del>	+16.9	8.5	89°48'	+0.4	8.1		6451.2		-11	-114	669,321	2,481,427	
277	446	251°17'	<del>251°26'</del>	+16.9	8.5	90°46'	-6.0	14.5		6444.8		-14	-446	669,318	2,481,095	
278	774	251°17'	<del>251°26'</del>	" "	8.5	91°10'	-15.8	24.3		6435.0		-25	-773	669,308	2,480,768	
279	1103	250°44'	<del>250°53'</del>	+16.9	8.5	91°05'	-20.8	29.3		6430.0		-46	-1102	669,287	2,480,439	
280	1434	249°55'	250°04'	+16.9	8.5	90°30'	-12.5	21.0		6438.3		-80	-1432	669,253	2,480,109	
281	1766		<del>249°57'18"</del>	+16.9	9.4	90°10'	-5.1	-14.5			TP	See pg. PA-2		669,230	2,479,777	ACROSS
281	1766				4.3	90°20'	-10.3	-14.6	6444.7		TP					STA.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	7-20-82	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Hamilton	PARTY NUMBER	6834	NOTES CHECKED BY	D.H. Jm	LINE NO.	C.A.-7	PAGE	43	
AREA	NO. CALIF- SIERRA	TOPO MAP	Donner Pass 15	STATE	CALIF.	COUNTY	SIERRA	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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.	
				+16.9	Correction: Plate → Grid									
	880		<del>78°46'06"</del> +130	+16.9	+11.3	BM	+4.4	+15.7			BS			See pg. PA2
	880				+10.5	90°20'	+5.1	+15.6	6460.3		BS			
282	550	76°42'	77°10'	+16.9	6.9	90°20'	-3.2	-10.1		6450.2		-35	+549	669,273 2,479,448
283	220	76°42'	"	"	5.5	90°20'	-1.3	-6.8		6453.5		-14	+220	669,294 2,479,118
X	0				5.4	"		-5.4		6454.9	X	0	0	669,308 2,478,899 Access ROAD
284	120	290°42'	291°10'	+16.9	3.6	90°10'	-0.3	-3.9		6456.4		+73	-95	669,381 2,478,804
285	443	281°04'	281°32'	+16.9	2.7	90°10'	-1.3	-4.0		6456.3		+208	-391	669,515 2,478,507
286	770	282°02'	282°30'	+16.9	2.8	90°20'	+6.7	+3.9		6464.2		+373	-674	669,680 2,478,225
TP	791		283°09'49"	+16.9	7.1	89°10'	+11.5	+4.4		6464.7	TP			See pg. PA-2 669,696 2,478,207
TP	791				9.4	89°	+13.8	+4.4			TP			
	501		<del>108°07'01"</del> +130	+16.9	+13.2	92°10'	+18.9	+32.1	6496.8		BS			See pg. PA-3
	501				+11.7	92°20'	+20.4	+32.1			BS			
287	191	94°29'	95°46'	+16.9	9.9	92°20'	-7.8	-17.7		6479.1		-70	+178	669,902 2,477,968
X	0				5.4	-			-5.4	6491.4	X	0	0	669,972 2,477,790
288	132	267°57'	269°14'	+16.9	5.1	86°30'	+8.0	+2.9		6499.7		+34	-127	670,005 2,477,663
289	461	267°57'	"	"	10.5	86°30'	+28.1	+17.6		6514.4		+118	-445	670,090 2,477,346
290	791	268°14'	269°31'	+16.9	10.0	87°10'	+39.1	+29.1		6525.9		+206	-763	670,178 2,477,028
291	1121	268°14'	"	"	7.1	87°10'	+55.3	+48.2		6545.0		+292	-1081	670,264 2,476,710
292	1452		267°33'11"	+16.9	9.6	87°10'	+71.7	+62.1		6558.9	TP			See pg. PA-3 670,349 2,476,389
292	1452				13.8	87°	+75.9	+62.1			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE					
7-20-82		B. Cotcamp		D. Hamilton		6834		P.H. Jm		C.A-7		44					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER			
No. CALIF. - SIERRA				CALIF.		SIERRA								L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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		
	658		<del>74° 26' 19" +180</del>	+16.9	+15.0	-		+15.0	6573.9		BS						
	658		" "	" "	<del>10.6</del>	04	+3.3	+15.0			BS						See pg. PA-3
293	330	71° 42'	72° 20'	+16.9	4.9	90° 20'	-1.9	-6.8		6567.1		+8	+330	670,362	2,476,058		
294	0				5.4	-		-5.4		6568.5	X	0	0	670,354	2,475,728		
295	330	250° 37'	251° 31'	+16.9	8.0	90° 20'	-1.9	-9.9		6564.0		-14	-330	670,340	2,475,398		
296	660	250° 55'	251° 39'	+16.9	10.6	90° 40'	-7.7	-18.3		6555.6		-25	-659	670,329	2,475,068		
TP	881		<del>252° 00' 55"</del>	+16.9	8.7	91° -	-15.4	-24.1		6549.8	TP			670,327	2,474,838	See pg. PA-3	
TP	881				6.2	91° 10'	-17.9	-24.1			TP						
	1098		<del>96° 37' 47" +180</del>	+16.9	+10.9	89° -	-19.2	-8.3	6541.5		BS					see pg. PA-3	
	1098				+7.7	89° 10'	-16.0	-8.3			BS						
297	990	95° 04'	95° 32'	+16.9	3.6	89° 30'	+8.6	+3.0		6546.5		-370	+918	670,386	2,474,744		
298	660	" "	" "	+16.9	5.1	89° 40'	+3.8	-1.3		6540.2		-247	+612	670,510	2,474,438		
299	330	" "	" "	+16.9	5.8	-		-5.8		6535.7		-123	+306	670,633	2,474,132		
300	0				5.4	-		-5.4		6536.1	π	0	0	670,756	2,473,826		
301	330	288° 07'	<del>288° 35'</del>	+16.9	5.3	-		-5.3		6536.2		+189	-270	670,946	2,473,556		
302	651		<del>288° 56' 42"</del>	+16.9	8.0	-		-8.0			TP			671,097	2,473,268	See pg. PA-3	
302	651				4.8	04	-3.3	-8.1		6533.4	TP						
	1221		<del>77° 34' 41" +180</del>	+16.9	+8.3	89° -	-21.3	-13.0			BS					See pg. PA-3	
	1221				+11.8	88° 50'	-24.9	-13.1	6520.3		BS						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7-20-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
NO. CALIF. - SIERRA		Donner Pass 15'		CALIF.		SIERRA						L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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.	
									6520.5					
303	891	76°55'	77°09'	+16.9	12.0	88°30'	+23.3	+11.3		6531.6		-59	+889	671,126 2,472,937
304	561	77°13'	77°27'	+16.9	9.4	88°20'	+16.3	+6.9		6527.2		-40	+559	671,145 2,472,608
305	240	66°04'	66°18'	+16.9	10.8	88°20'	+7.0	-3.8		6516.5		+29	+238	671,215 2,472,287
T	0				5.4	-		-5.4		6514.9	T	0	0	671,185 2,472,049
306	90	242°34'	242°48'	+16.9	6.6	88°10'	+2.9	-3.7		6516.6		-16	-88	671,169 2,471,960
307	420	241°12'	241°26'	+16.9	8.4	88°10'	+13.4	-5.0		6515.3		-87	-411	671,099 2,471,638
308	750	"	"	"	5.9	88°10'	+24.0	+18.1		6538.4		-155	-734	671,031 2,471,315
309	1079	"	"	"	7.3	87°30'	+47.0	+39.7		6560.0		-222	-1055	670,963 2,470,994
310	1408	"	"	"	7.5	87°30'	+61.4	+53.9		6574.2	TP	-290	-1376	670,895 2,470,672
TP	1487		241°14'26"	+16.9	9.2	87°30'	+64.8	+55.6		6575.9	TP	See pg PA-3		670,879 2,470,593
TP	1487				4.8	87°40'	+60.5	+55.7			TP			" "
	921		86°21'31" +180	+16.9	+4.4	TH	-4.6	-0.2		6575.7	BS	See pg PA-3		
	921				+7.8	89°30'	-8.0	-0.2			BS			
311	660	84°38'	86°32'	+16.9	5.7	89°20'	+7.7	+2.0		6577.7		-132	+647	670,927 2,470,336
312	330	82°51'	84°46'	+16.9	5.2	89°20'	+3.8	-7.4		6574.3		-56	+325	671,003 2,470,014
313	0				5.4	-		-5.4		6570.3	T	0	0	671,059 2,469,689
314	328	271°49'	273°44'	+16.9	9.3	-		-9.3		6566.4		+105	-311	671,164 2,469,379
315	660	270°04'	271°58'	+16.9	13.2	-		-13.2		6562.5		+193	-631	671,251 2,469,058
316	990	268°57'	270°51'	+16.9	11.6	-		-11.6		6564.1		+270	-952	671,329 2,468,737

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-20-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		46			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
No. CALIF. - SIERRA		Donner Pass 15'		CALIF.		SIERRA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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
					+16.9				6575.8						
TP	1062		<del>270° 16' 03"</del>	+16.9	11.9	-		-11.9		6563.8	TP				
TP	1062				6.6	84°	-5.3	-11.9			TP				
	810		<del>73° 06' 05" +16'</del>	+16.9	+6.5	89°	-14.1	-7.6	6556.2		BS				
	810				+8.9	88° 50'	-16.5	-7.6			BS				
317	551	70° 13'	<del>70° 51'</del>	+16.9	6.8	89°	+9.6	+2.8		6559.0		+28	+550	671,352	2,468,401
318	228	64° 50'	<del>65° 28'</del>	+16.9	5.4	89°	+4.0	-7.4		6554.8		+33	+226	671,357	2,468,076
π	0				65.4	-		-5.4		6550.8	π	○	○	671,325	2,467,851
319	101	240° 58'	<del>241° 36'</del>	+16.9	6.3	-		-6.3		6549.9		-21	-99	671,303	2,467,752
320	431	238° 33'	<del>239° 11'</del>	+16.9	10.8	-		-10.8		6545.4		-108	-417	671,216	2,467,434
321	761	238° 25'	<del>239° 03'</del>	+16.9	10.8	-		-10.8		6545.4		-193	-736	671,132	2,467,115
322	1090	"	<del>"</del>	"	6.7	-		-6.7		6549.5		-276	-1054	671,048	2,466,796
TP	1253		<del>238° 56' 16"</del>	+16.9	5.4	-		-5.4		6550.8	TP				
TP	1253				11.6	74°	+6.3	-5.3			TP				
	822		<del>43° 10' 54" +16'</del>	+16.9	+15.0	-		+15.0	6565.8		BS				
	822				+10.9	84°	+4.1	+15.0			BS				
323	656	41° 01'	<del>42° 04'</del>	+16.9	10.1	90° 20'	-3.8	-3.9		6551.9		+347	+556	670,927	2,466,486
324	330	43° 12'	<del>44° 04'</del>	+16.9	7.1	90° 20'	-1.9	-9.0		6556.8		+165	+286	670,744	2,466,216
325	0				5.4	-		-5.4		6560.4	π	○	○	670,579	2,465,930
326	330	230° 17'	<del>231° 19'</del>	+16.9	4.3	89° 20'	+3.8	-0.5		6565.3		-128	-304	670,451	2,465,626

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-20-82		B. Cotcamp		D. Hamilton		6834		D. H. Ym		C.A.-7	47					
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
No. CALIF. - SIERRA		Donner Pass 15'		CALIF.	SIERRA				L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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	
				+16.9	Correction;		Plate → Grid		6565.9							
327	660	229°21'	<del>230°18'</del>	+16.9	2.2	89°20'	+7.7	+5.5		6571.3		-266	-604	670,313	2,465,326	
328	985	227°36'	<del>228°35'</del>	+16.9	4.3	89°10'	+14.3	+10.0		6575.8		-424	-889	670,155	2,465,041	
TP	1267		<del>227°50'25"</del>	+16.9	8.6	89°-	+22.1	+13.5		6579.3	TP	See pg. PA-4		670,019	2,464,792	
TP	1267				4.9	89°10'	+18.4	+13.5			TP					
	381		<del>43°36'41" +180</del>	+16.9	+12.4	-		+12.4		6591.7	BS	See pg. PA-4				
	381				+10.5	BH	+1.9	+12.4			BS					
329	330	43°50'	<del>44°26'</del>	+16.9	6.5	90°50'	-4.8	+11.3		6580.4		+161	+288	669,987	2,464,748	
330	0				5.4	-		-5.4		6586.3	X	○	○	669,826	2,464,460	
331	326	207°33'	<del>208°09'</del>	+16.9	2.3	89°10'	+4.7	+2.4		6594.1		-233	-228	669,593	2,464,232	
332	655	203°23'	<del>203°59'</del>	+16.9	3.6	88°40'	+15.2	+11.6		6603.3		-500	-423	669,326	2,464,037	
TP	988		<del>204°25'22"</del>	+16.9	10.8	88°10'	+31.6	+20.8		6612.5	TP	See pg. PA-4		669,073	2,463,811	ACROSS ROAD
333	988				13.7	88°-	+34.5	+20.8			TP					
	665		<del>49°21'34" +180</del>	+16.9	+13.7	BH	+3.3	+17.0		6629.5	BS	See pg. PA-4				
	665				+11.2	90°30'	+5.8	+17.0			BS					
334	330	46°52'	<del>48°28'</del>	+16.9	5.1	90°50'	-4.8	-9.9		6619.6		+146	+296	668,930	2,463,500	
335	0				5.4	-		-5.4		6624.1	X	○	○	668,784	2,463,204	ACROSS STR.
336	332	253°-	<del>254°36'</del>	+16.9	3.7	90°50'	-4.8	-8.5		6621.0		-1	-332	668,784	2,462,872	
337	660	251°44'	<del>253°20'</del>	+16.9	8.6	-		-8.6		6620.9		-16	-660	668,769	2,462,544	
338	990	251°09'	<del>252°45'</del>	+16.9	8.4	TH	+5.0	-3.4		6626.1		-34	-989	668,751	2,462,215	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-20-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		48			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		Donner Pass 15'		CALIF.		SIERRA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	DEG	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
				+16.9	Correction		Plate → Grid		6629.6						
TP	1188		251°40'36"	+16.9	8.4	89°50'	+3.5	-4.9			TP	See pg. PA-4	668,722	2,462,011	
TP	1188				11.9	89°40'	+6.9	-5.0		6624.5	TP				
	555		<del>62°15'32" +180</del>	+16.9	+2.9	-		+2.9		6627.4	BS	See pg. PA-4			
	555				+5.7	TM	-2.8	+2.9			BS				
339	430	60°26'	<del>61°23'</del>	+16.9	8.3	89°30'	+3.8	-4.5		6622.9		+94	+420	668,701	2,461,882
340	101	51°21'	<del>52°18'</del>	+16.9	6.6	89°30'	+0.9	-5.7		6621.7		+37	+94	668,644	2,461,556
π	0				5.4	-		-5.4		6622.0	π	○	○	668,606	2,461,463
341	232	251°51'	<del>252°54'</del>	+16.9	6.4	89°30'	+2.0	-4.4		6623.0		+20	-231	668,626	2,461,231
342	561	254°20'	<del>255°17'</del>	+16.9	5.7	89°30'	+4.9	0.8		6626.6		+12	-561	668,618	2,460,902
343	890		<del>255°10'36"</del>	+16.9	1.0	89°30'	+7.8	+6.8		6634.2	TP	See pg. PA-4	668,591	2,460,569	
343	890				6.1	89°10'	+12.9	+6.8			TP				
	660		<del>59°36'04" +180</del>	+16.9	+9.0	89°-	-11.5	-2.5		6631.7	BS	See pg. PA-5			
	660				+7.1	89°10'	-9.6	-2.5			BS				
344	330	58°02'	<del>59°03'</del>	+16.9	7.8	88°20'	+9.6	+1.8		6633.5		+86	+319	668,510	2,460,246
345	0				5.4	-		-5.4		6626.3	π	○	○	668,424	2,459,928
346	330	233°38'	<del>234°39'</del>	+16.9	7.2	-		-7.2		6624.5		-110	-311	668,314	2,459,617
347	660	233°09'	<del>234°16'</del>	+16.9	5.4	89°-	+11.5	+6.1		6637.8		-225	-620	668,199	2,459,308
348	989	232°21'	<del>233°28'</del>	+16.9	7.8	88°10'	+31.6	+23.8		6655.5		-349	-925	668,075	2,459,003
349	1319	232°07'	<del>233°08'</del>	+16.9	11.3	87°40'	+53.7	+42.4		6674.1		-472	-1231	667,952	2,458,697

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
July 20, 1982		B. Cotcamp		D. Hamilton		6834		D.H. Jm		CA-7		49		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		
N. Calif. Sierra		Denner Pass 15'		California		Sierra						PARTY MANAGER L. O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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.	
				+16.9	Correction		Plate → Grid		6631.9					
TP 1484			232° 26' 28"	+16.9	11.6	87° 40'	+60.4	+48.8		6680.5	TP	See pg. PA-5	667,868	2,458,549
TP 1484					7.3	87° 50'	+56.1	+48.8			TP			
490			46° 30' 36" + 180	+16.9	+4.5	93° 20'	+28.4	+32.9	6713.4		BS	See pg. PA-5		
490					+14.5	92° 10'	+18.5	+33.0			BS			
350 330		46° 42'	45° 10'	+16.9	5.6	93° 10'	-78.2	-23.8		6689.6		+147 +295	667,782	2,458,409
351 0					5.4	-		-5.4		6708.0	X	○ ○	667,636	2,458,114 near metal
352 330		238° 51'	240° 25'	+16.9	3.9	87° 10'	+16.3	+12.4		6725.8		-81 -320	667,555	2,457,795
353 658			238° 29' 41"	+16.9	6.9	87° -	+34.4	+27.5		6740.9	TP	See pg. PA-5	667,452	2,457,480 Across STA.
353 658					5.0	87° 10'	+32.5	+27.5			TP			
983			43° 12' 18" + 180	+16.9	+8.4	92° -	+34.3	+42.7			BS	See pg. PA-5		
983					+5.5	92° 10'	+37.1	+42.6	6783.5		BS			
354 660		40° 37'	41° 36'	+16.9	6.7	92° -	-23.0	-29.7		6753.8		+354 +556	667,298	2,457,188
355 330		" "	" "	+16.9	7.4	92° -	-11.5	-18.9		6764.6		+177 +278	667,121	2,456,910
356 0					5.4	-		-5.4		6778.1	X	○ ○	666,944	2,456,637 Across STA.
357 330		241° 56'	242° 55'	+16.9	5.5	87° -	+17.2	+11.7		6795.2		-64 -323	666,880	2,456,309
358 660		239° 04'	240° 03'	+16.9	8.1	87° 10'	+32.6	+24.5		6808.0		-160 -640	666,784	2,455,993
359 984			237° 41' 23"	+16.9	9.5	87° 20'	+45.7	+36.2		6819.7	TP	See pg. PA-5	666,662	2,455,682
359 984			43° 25"		12.4	87° 10'	+48.6	+36.2			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				
July 20, 1982		B. Cotcamp		D. Hamilton		6834		D.H. <i>dr</i>		CA-7		50				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
No. CALIF-SIERRA		Donner Pass 15'		CALIF.		SIERRA								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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
				+16.9	Correction		Plate → Grid		6826.0							
	660		<del>56 52 35</del>	+16.9	+14.7	-		+14.7	6834.4		BS	See pg. PA-5				
	660				+11.4	BH	+3.3	+14.7			BS					
360	330	55° 25'	55 46'	+16.9	6.2	90° 20'	7.9	8.1		6826.3		+100	+314	666,571	2,455,360	
361	0				5.4	-		-5.4		6829.0	TP	0	0	666,471	2,455,046	ACROSS STA. Ⓢ
362	331	250° 56'	<del>251 17'</del>	+16.9	5.0	89° 20'	+3.8	7.2		6833.2		-13	-331	666,458	2,454,715	
TP	510		<del>252 37 43</del>	+16.9	7.9	89° 20'	+5.9	-2.0		6832.4	TP	See pg. PA-5		666,461	2,454,533	
TP	510				6.5	89° 30'	+4.5	-2.0			TP					
	1470		<del>81 53 46</del>	+16.9	+12.9	-		+12.9	6845.3		BS	See pg. PA-5				
	1470				+5.6	BH	+7.4	+13.0			BS					
363	1317		81° 58' 42"	+16.9	13.2	-		-13.2		6832.1		-197	+1302	666,482	2,454,380	
364	985		81° 26' 15"	+16.9	10.6	-		-10.6		6834.7		-140	+975	666,539	2,454,053	
365	659	79° 50'	<del>80 01'</del>	+16.9	9.1	-		-9.1		6836.2		-77	+654	666,601	2,453,732	
366	330		78° 58' 47"	+16.9	6.7	-		-6.7		6838.6		-33	+328	666,646	2,453,406	
367	0				5.4	-		-5.4		6839.9	TP	0	0	666,679	2,453,078	
368	330		270 12' 01"	+16.9	3.2	-		-3.2		6842.1		+96	-316	666,775	2,452,762	
369	659		266° 38' 24"	+16.9	2.6	-		-2.6		6842.7		+152	-641	666,830	2,452,436	
TP	882		<del>267 06 25</del>	+16.9	6.8	89° 50'	+2.6	-4.2		6841.1	TP	See pg. PA-5		666,889	2,452,213	
TP	882				9.4	89° 40'	+5.2	-4.2			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			
July 20, 1982		B. Cotcamp		D. Hamilton		6834		P.H. Ym		CA-7		51			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. California		Donner Pass 15'		CALIF.		Sierra								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	DEG	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
	762		<del>101-01-41-180</del>	+16.9	9.9	89°	-13.3	-3.4	6837.7		BS				
	762				7.7	89° 10'	-11.1	-3.4			BS				
370	660	98° 20'	<del>99-04</del>	+16.9	7.5	89° 10'	+9.6	+2.1		6839.8		-281	+597	666,956	2,452,125
371	330	"	<del>4-4</del>	"	7.0	89° 10'	+4.8	2.2		6835.5		-141	+298	667,097	2,451,827
372	0				5.4	-		-5.4		6832.3	TP	0	0	667,238	2,451,528 across SW
373	330	298° 53'	<del>299-37</del>	+16.9	12.3	89° 10'	+4.8	7.5		6830.2		+236	-230	667,474	2,451,298
374	660		<del>299-07-49</del>	+16.9	7.2	90° 10'	-1.9	-9.1			TP			667,705	2,451,060
374	660		<del>186.0</del>		9.2	-		-9.2		6828.5	TP				
	987		<del>127-44-48-180</del>	+16.9	+5.2	91° 20'	+23.0	+28.2	6856.7		BS				
	987				+8.1	91° 10'	+20.1	+28.2			BS				
375	660	124° 13'	<del>135-15</del>	+16.9	11.5	91°	71.5	23.0		6833.7		-514	+414	667,981	2,450,881
376	330	121° 13'	<del>132-15</del>	+16.9	9.2	91°	3.8	15.0		6841.7		-246	+220	668,249	2,450,687
377	0				5.4	-		-5.4		6851.3	TP	0	0	668,495	2,450,467
378	330	299° 40'	<del>300-42</del>	+16.9	2.9	88° 40'	+7.7	+4.8		6861.5		+240	-227	668,734	2,450,240
379	659		<del>301-15-18</del>	+16.9	9.5	88° 40'	+15.3	+5.8		6862.5	TP			668,978	2,450,016
379	659				7.6	88° 50'	+13.4	+5.8			TP				
	1320		<del>131-00-180</del>	+16.9	+6.7	TH	-6.6	+0.1			BS				
	1320				+7.7	89° 40'	-7.7	0.0	6862.5		BS				
380	990	120° 05'	<del>120-49</del>	+16.9	1.0	-		-1.0		6861.5		-724	+675	669,219	2,449,793

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Plate Angles Geosource Inc. Hor. Rerun due to mistie

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
July 18, 1982		R. Hulsey		D. Hamilton		6834		Jm		CA-7		PA-1			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
N. California-Sierra		Donner Pass		CA		Sierra						L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC Grid Corr.	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
			Plate Angle												
TP	577		120° 14' 28"	+16.9	89° 20'		B-300° 14' 28"	F-112° 52' 29"			TP	-423	+392	675,646	2,482,416
	550		292° 52' 29"	+16.9	91° 40'						BS	-352	+423		
TP	281		89° 00' 50"	+16.9	87°		B-269° 01' 42" 00 50"	F-65° 43' 36"			TP	-77	+270	675,293	2,482,838
	393		245° 43' 36"	+16.9	94°						BS	+50	+389		
TP	309		116° 29' 43"	+16.9	86° 10'		B-296° 29' 43"	F-87° 13' 07"			TP	-212	+224	675,265	2,483,495
	469		267° 13' 07"	+16.9	93°						BS	-114	+454		
TP	387		76° 03' 15"	+16.9	86° 25'		B-256° 03' 15"	F-136° 24' 35"			TP	-20	+386	674,937	2,484,171
	793		316° 24' 35"	+16.9	92° 10'						BS	-708	+356		
TP	1157		148° 10' 42"	+16.9	87° 40'		B-328° 10' 42"	F-169° 48' 34"			TP	-1117	+298	674,916	2,484,556

Set-up over BM instrument zeroed out to mag. (N). There will be a 16.9° correction to make this a Grid brg.

SURVEY NOTES-HIGH RESOLUTION DATA Plate Angles

Geosource Inc.

GEO-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE						
July 18, 1982		R. Hulsey		D. Hamilton		6834		Ym			CA-7		PA-2						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
N. California-Sierra		Donner Pass 15'		California		Sierra								L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEC-Grid Corr.	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				
	225		349° 48' 34"	+16.9	93° 20'						BS	-223	-26						
TP	0										TP	0 <sup>-1</sup>	0 <sup>-1</sup>	672,865	2,485,180			Sta. 259+	
	1022		192° 55' 32"	+16.9	90° 56'	B-12° 55' 32"	F-197° 31' 37"				TP	-887 <sub>-2</sub>	-508 <sub>-1</sub>	671,976	2,484,671			Sta. 262+	
	715		17° 31' 37"	+16.9	89° 04'						BS	-590	-404						
TP	0										TP	0 <sup>-2</sup>	0 <sup>-1</sup>	671,384	2,484,266			Sta. 264+	
	658		181° 57' 19"	+16.9	88° 51'	B-1° 57' 19"	F-208° 08' 47"				TP	-623 <sub>-2</sub>	-213 <sub>-1</sub>	670,760	2,484,052			Sta. 266+	
	1386		28° 08' 47"	+16.9	90° 24'						BS	-979	-981					Actual Mag	
TP	0										TP	0 <sup>-2</sup>	0 <sup>-1</sup>	669,779	2,483,070			Sta. 270+	
	577		229° 41' 05"	+16.9	89° 54'	B-49° 41' 05"	F-241° 02' 54"				TP	-229 <sub>-2</sub>	-529 <sub>-1</sub>	669,547	2,482,540			Sta. 272+	
	1020		61° 02' 54"	+16.9	89° 54'						BS	-213	-998						
TP	0										TP	0 <sup>-2</sup>	0 <sup>-1</sup>	669,332	2,481,541			Sta. 275+	
	1766		249° 49' 57"	+16.9	90° 20'	B-69° 49' 57"	F-258° 18' 25"				TP	-101 <sub>-2</sub>	-1763 <sub>-1</sub>	669,230	2,479,777			Sta. 281	
	881		78° 18' 25"	+16.9	90° 45'						BS	+80	-877						
TP	0										TP	0 <sup>-2</sup>	0 <sup>-1</sup>	669,308	2,478,899			Sta. 283+	
	794		282° 35' 00"	+16.9	89° 12'	B-102° 35' 00"	F-286° 49' 46"				TP	+391 <sub>-2</sub>	-691 <sub>-1</sub>	669,696	2,478,207			Sta. 286+	

SURVEY NOTES-HIGH RESOLUTION DATA **Plate Angles Geosource Inc.**

GEO-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
July 18, 1982		R. Hulsey		D. Hamilton		6834		Jm		CA-7		PA-3		
AREA		TOP MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
N. California-Sierra		Donner Pass 15, Sierra City 5		California		Sierra						L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEC Grid Corr.	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.	
	500		106°49'46"	+16.9		93°12'					BS	+277	-415	
π	0										π	0 <sup>-2</sup>	0 <sup>-1</sup>	669,972 2,477,790 Sta. 287+
292	1453		268°15'50"	+16.9		87°19'	B-88°15'50"	F-253°	42'03"		TP	+380 <sub>-2</sub>	-1401 <sub>-1</sub>	670,349 2,476,389 Sta. 292
	660		73°42'03"	+16.9		90°51'					BS	+7	-660	
294	0										π	0 <sup>-2</sup>	0 <sup>-1</sup>	670,354 2,475,728 Sta. 294
TP	889		251°30'15"	+16.9		91°12'	B-71°30'15"	F-276°	11'32"		TP	-25 <sub>-2</sub>	-888 <sub>-1</sub>	670,327 2,474,838 Sta. 296+
	1099		96°11'32"	+16.9		89°19'					BS	+431	-1011	
300	0										π	0 <sup>-2</sup>	0 <sup>-1</sup>	670,756 2,473,826 Sta. 300
TP	654		284°38'49"	+16.9		90°19'	B-104°38'49"	F-257°	20'59"		TP	+342 <sub>-2</sub>	-557 <sub>-1</sub>	671,097 2,473,268 Sta. 302
	1222		77°20'59"	+16.9		89°-					BS	+91	-1218	
π	0										π	0 <sup>-2</sup>	0 <sup>-1</sup>	671,185 2,472,049 Sta. 305+
TP	1487		241°18'25"	+16.9		87°37'	B-61°18'25"	F-264°	27'05"		TP	-304 <sub>-2</sub>	-1454 <sub>-1</sub>	670,879 2,470,593 Sta. 310+
	921		84°27'05"	+16.9		89°37'					BS	+181	-903	
313	0										π	0 <sup>-2</sup>	0 <sup>-1</sup>	671,059 2,469,689 Sta. 313
TP	1062		268°19'44"	+16.9		90°19'	B-88°19'44"	F-252°	27'44"		TP	+279 <sub>-2</sub>	-1025 <sub>-1</sub>	671,336 2,468,664 Sta. 316+

SURVEY NOTES-HIGH RESOLUTION DATA

Plate Angles Geosource Inc.

GEO-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
July 18, 1982		R. Hulsey		D. Hamilton		6834		ym		CA-7		PA-4							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
N. California - Sierra		Donner Pass 15'		California		Sierra								L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	DEC. Grid Corr.	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS A TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
	812		72° 27' 44"	+16.9	<del>11</del> 89' 10'	B					BS	-9	-812						
A	0										A	0 <sup>-2</sup>	0 <sup>-1</sup>	671,325	2,467,851			Sta. 318+	
TP	1251		<del>70</del> 238° 23' 06"	+16.9	90° 03'	B-58° 23' 06"		F-222° 14' 20"			TP	-318 <sup>-2</sup>	-1210 <sup>-1</sup>	671,005	2,466,640			Sta. 322+	
	826		42° 14' 20"	+16.9	90° 37'						BS	-424	-709						
325	0										A	0 <sup>-2</sup>	0 <sup>-1</sup>	670,579	2,465,930			Sta. 325	
	1267		<del>226</del> 226° 56' 54"	+16.9	89° 07'	B-46° 56' 54"		F-223° 00' 23"			TP	-558 <sup>-2</sup>	-1137 <sup>-1</sup>	670,019	2,464,792			Sta. 328+	
	381		43° 00' 23"	+16.9	91° 13'						BS	-191	-330						
330	0										A	0 <sup>-2</sup>	0 <sup>-2</sup>	669,826	2,464,460			Sta. 330	
333	992		203° 50' 28"	+16.9	88° 20'	B-23° 50' 28"		F-221° 45' 48"			TP	-751 <sup>-2</sup>	-647 <sup>-2</sup>	669,073	2,463,811			Sta. 333	
	669		47° 45' 48"	+16.9	91° 05'						BS	-286	-605						
335	0										A	0 <sup>-2</sup>	0 <sup>-2</sup>	668,784	2,463,204			Sta. 335	
TP	1193		250° 12' 37"	+16.9	90° 02'	B-70° 12' 37"		F-241° 18' 52"			TP	-60 <sup>-2</sup>	-1191 <sup>-2</sup>	668,722	2,462,011			Sta. 338+	
	558		61° 18' 52"	+16.9	89° 51'						BS	-114	-546						
A	0										A	0 <sup>-2</sup>	0 <sup>-2</sup>	668,606	2,461,463			Sta. 340+	
343	892		252° 15' 50"	+16.9	89° 17'	B-72° 15' 50"		F-238° 35' 00"			TP	-13 <sup>-2</sup>	-892 <sup>-2</sup>	668,591	2,460,568			Sta. 343	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Plate Angles Geosource Inc.

DATE July 18, 1982	INSTRUMENT MAN R. Hulsey	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY Jm	LINE NO. CA-7	PAGE PA-5
AREA N. California-Sierra	TOPO MAP Donner Pass 15'	STATE California	COUNTY Sierra	RANGE	PPM	PARTY MANAGER L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEC Grid Corr.	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS π TP	NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	COORDINATES		REMARKS
														Y	X	
	660		58° 35' 00"	+16.9		89° 18'					BS	-165	-639			
345	0										π	0 <sup>-2</sup>	0 <sup>-2</sup>	668,424	2,459,928	Sta. 345
TP	1485		231° 12' 20"	+16.9		87° 56'	B-51° 12' 20"	F-225° 02' 57"			TP	-553 <sup>-2</sup>	-1377 <sup>-2</sup>	667,868	2,458,549	Sta. 349+
	491		45° 02' 57"	+16.9		92° 55'					BS	-231	-433			
351	0										π	0 <sup>-2</sup>	0 <sup>-2</sup>	667,636	2,458,114	Sta. 351
353	658		237° 04' 44"	+16.9		87° 14'	B-57° 04' 44"	F-222° 12' 49"			TP	-181 <sup>-2</sup>	-632 <sup>-2</sup>	667,452	2,457,480	Sta. 353
	987		42° 12' 49"	+16.9		92° 14'					BS	-506	-846			
356	0										π	0 <sup>-2</sup>	0 <sup>-2</sup>	666,944	2,456,632	Sta. 356
359	989		236° 36' 47"	+16.9		87° 38'	B-56° 36' 47"	F-236° 31' 12"			TP	-280 <sup>-2</sup>	-948 <sup>-2</sup>	666,662	2,455,682	Sta. 359
	662		56° 31' 12"	+16.9		90° 45'					BS	-189	-634			
361	0										π	0 <sup>-2</sup>	0 <sup>-2</sup>	666,471	2,455,046	Sta. 361
TP	511		252° 10' 57"	+16.9		89° 44'	B-72° 10' 57"	F-261° 42' 12"			TP	-8 <sup>-2</sup>	-511 <sup>-2</sup>	666,461	2,454,533	Sta. 362+
	1470		81° 42' 12"	+16.9		90° 19'					BS	+220	-1453			
367	0										π	0 <sup>-2</sup>	0 <sup>-2</sup>	666,679	2,453,078	Sta. 367
TP	889		266° 56' 06"	+16.9		89° 59'	B-86° 56' 06"	F-288° 17' 27"			TP	+213 <sup>-2</sup>	-863 <sup>-2</sup>	666,889	2,452,213	Sta. 369+

SURVEY NOTES-HIGH RESOLUTION DATA **Plate Angles Geosource Inc.**

GEO-445

DATE <b>July 18, 1982</b>	INSTRUMENT MAN <b>R. Hulsey</b>	ROD MAN <b>D. Hamilton</b>	PARTY NUMBER <b>6834</b>	NOTES CHECKED BY <b>Jr</b>	LINE NO. <b>CA-7</b>	PAGE <b>PA-6</b>
AREA <b>N. California - Sierra</b>	TOPO MAP <b>Donner Pass 15'</b>	STATE <b>California</b>	COUNTY <b>Sierra</b>	TWP	RANGE	PPM
				PARTY MANAGER <b>L.O. Davis</b>		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	DEC Grid Corr.	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS T TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS
														Y	X	
	767		100° 17' 27"	+16.9	89' 25"						BS	+350	-682			
372	0										T	0	0	667,238	2,451,528	Sta. 372
374	662		298° 15' 54"	+16.9	90' 25"	B-118° 15' 54"	F-306° 22' 52"				TP	+469	-467	667,705	2,451,060	Sta. 374
	988		126° 22' 52"	+16.9	0	91' 23"					BS	+792	-591			
377	0										T	0	0	668,495	2,450,467	Sta. 377
379	661		300° 19' 05"	+16.9	89'	B-120° 19' 05"	F-300° 16' 28"				TP	+485	-449	668,978	2,450,016	Sta. 379
	1319		120° 16' 28"	+16.9	89' 49"						BS	+967	-897			
383	0										T	0	0	669,943	2,449,118	Sta. 383
BM	792		236° 52' 22"	+16.9	92' 54"						TP	-221	-759	669,720	2,448,356	BM D.S.G.S. H198 1932" (topo el. 6817)
																X=2,448,360 Y=669,720 correction; X=-73' Y=-100'



SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7-20-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	52				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF- SIERRA		Donner Pass 15'		CALIF.		SIERRA					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	DEG	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
381	660	120° 05'	<del>120° 49'</del>	+16.9	2.5	-		2.5		6860.0		-483	+450	669,461	2,449,568
382	330		<del>120° 49'</del>	+16.9	3.7	-		3.7		6858.8		-241	+225	669,702	2,449,343
383	0				5.4	-		5.4		6857.1	X	0	0	669,943	2,449,118
<del>384</del>	<del>330</del>		<del>298° 40'</del>		<del>5.5</del>			<del>5.5</del>		<del>6857.0</del>					
Bm	792		237° 31' 58"	+16.9	8.5	92° 40'	-36.8	-45.3		6817.2	TP	see pg.	PA-6	669,720	2,448,356
Bm	792				10.8	92° 30'	-34.5	-45.3			TP				
	792		180° 00 00"	+73.6	+8.3	92° 40'	+36.8	+45.1	6862.3		BS	+223	+759		
	792				+10.6	92° 30'	+34.5	+45.1			BS	+1	+2		
383	0				5.4	-		5.4		6856.9	X	0	0	669,944	2,449,117
384	330		240° 34' 44"	+73.6	5.3	-		5.3		6857.0		+230	-237	670,174	2,448,880
385	660		239° 12' 20"	+73.6	5.0	TH	+3.3	7.7		6860.6		+448	-484	670,393	2,448,633
386	989		238° 15' 23"	+73.6	4.2	89° 30'	+8.6	+4.4		6866.7	TP	+660	-737	670,605	2,448,382
386	989				7.1	89° 20'	+11.5	+4.4			TP	+1	+2		
	937		66° 15' 29"	+73.6	+7.4	89° 20'	-10.9	-3.5	6863.2		BS	+716	-604	671,323	2,447,780
	937				+4.7	89° 30'	-8.2	-3.5			BS	+1	+2		
<del>387</del>	<del>660</del>		66° 01' 12"	+73.6	5.1	89° 30'	+5.3	+0.2		6863.4		-462	+393	670,861	2,448,173
388	276		59° 04' 25"	+73.6	5.4	89° 20'	+3.2	-2.2		6861.0		-187	+203	671,135	2,447,983
X	0														

BM U.S.G.S. H198  
1932 (top of 6817)  
x = 2,448,360 corr.  
y = 669,720 x = -734 = -100  
Instrument set on  
180° to BM from  
383.

B- 58' 15" 23"  
F- 246° 15' 29"

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-26-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	53					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF. - SIERRA		Donner Pass 15'		CALIF.		SIERRA					L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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	
389	49		217° 24' 06"	+73.6	5.6	89° 20'	+0.6	-5.0		6858.2		+10	-46	671340	2447735	
390	378		215° 24' 32"	+73.6	10.4	89° 20'	+4.4	-6.0		6857.2		+123	-357	671446	2447723	
TP	651		211° 13'	+73.6	6.2	90° 10'	-1.9	-8.1		6855.1	TP	+166	-629	671490	2447153	B- 81° 13'
TP	651				8.0	-		-8.0			TP	+1	+2			F- 200° 08' 30"
	724		20° 08' 30"	+73.6	+4.2	90° 10'	+2.1	+6.3	6861.4		BS	+47	-722			
	724				+6.3	-		+6.3			BS	+1	+2			
391	670		17° 10' 40"	+73.6	5.9	-		-5.9		6855.5		-9	+670	671529	2447102	
392	340		15° 51' 42"	+73.6	9.9	89° -	+5.9	-4.0		6857.4		-3	+340	671541	2446772	
393	12		11° 49' 20"	+73.6	5.0	89° -	+0.2	-4.8		6856.6		+1	-12	671539	2446444	
X	0				5.4	-		-5.4		6856.0	X	0	0	671538	2446433	
394	318		183° 16' 41"	+73.6	3.9	91° 50'	-10.2	-4.1		6847.3		-72	-310	671466	2446123	
395	648		183° 30' 35"	+73.6	4.6	91° 40'	-18.8	-23.4		6838.0		-145	-631	671394	2445801	
396	978		183° 07' 06"	+73.6	11.4	91° -	-17.1	-28.5		6832.9		-225	-952	671314	2445481	
397	1303		181° 24' 12"	+73.6	8.4	90° 30'	-11.4	-19.8		6841.6	TP	-337	-259	671202	2445176	B- 1° 24' 12"
397	1303				4.6	90° 40'	-15.2	-19.8			TP	+1	+2			F- 164° 56' 32"
	877		344° 56' 32"	+73.6	+5.8	91° 20'	+20.4	+26.2	6867.8		BS	-458	-748			
	877				+8.3	91° 10'	+17.9	+26.2			BS	+1	+2			
398	550		342° 01'	+73.6	6.2	91° -	-9.6	-15.8		6852.0		+311	+454	671056	2444884	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
7-26-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		CA-7		53 54				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM				
No. CALIF. - SIERRA		Donner Pass 15'		CALIF.		Sierra						PARTY MANAGER L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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
399	220		338° 27' 19"	+73.6	8.4	89° 30'	+1.9	-6.5		6861.3		+135	+173	670881	2444,604	
π	0				5.4	-		-5.4		6862.4	π	0	0	670746	2444,430	Across str.
400	111		177° 01' 29"	+73.6	6.6	89° 40'	+0.6	-6.0		6861.8		-37	105	670,709	2444,325	
401	445		167° 41' 33"	+73.6	9.0	90° 10'	-1.3	-10.3		6857.5		-214	390	670,532	2444,040	
402	780		166° 56' 30"	+73.6	4.1	90° 10'	-2.3	-6.4		6861.4	TP	-384	-679	670,362	2443,751	Br
TP	841		167° 07' 24"	+73.6	7.3	89° 30'	+2.4	-4.9		6862.9	TP	-411	-734	670,335	2443,698	B-347° 07' 24"
TP	841				9.8	89° 40'	+4.9	-4.9			TP	+1	+2			F-209° 00' 02"
	398		29° 00' 02"	+73.6	+3.6	91° 30'	+10.4	+14.0		6876.9	BS	+87	-388			
	398				+5.9	91° 10'	+8.1	+14.0			BS	+1	+2			
403	115		26° 11' 17"	+73.6	6.7	91° -	-2.0	-8.7		6868.2		-20	+113	670,404	2443,426	
π	0				5.4	-		-5.4		6871.5	π	0	0	670,423	2443,312	
404	220		236° 26' 05"	+73.6	4.5	89° 20'	+2.6	-1.9		6875.0		+142	168	670,565	2443,144	
405	550		236° 31' 30"	+73.6	3.9	89° 10'	+8.0	+4.1		6881.0		-354	421	670,677	2442,892	
406	879		234° 03' 41"	+73.6	3.4	89° 10'	+12.8	+9.4		6886.3		+537	696	670,960	2442,616	
	938		233° 11' 20"	+73.6	3.7	89° 10'	+13.6	+9.9		6886.8	TP	+562	-751	670,987	2442,563	B-53° 11' 20"
	938				6.4	89° -	+16.4	+10.0			TP	+2	+2			F-222° 01' 17"
	470		42° 01' 17"	+73.6	+4.8	90° 20'	+2.7	+7.5		6894.3	BS	+203	-424			
	470				+6.1	90° 10'	+1.4	+7.5			BS	+2	+2			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
Aug. July 26, 1982		R. Hulsey/B. Cotcamp		D. Hamilton		6834		D. H. Jm		CA-7		9455				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM				
N. California-Sierra		Sierraville 15'		California		Sierra						L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC-NORTH Plate Angles	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
									6894.3						Plate Angles	
407	200		42° 32' 16"	+73.6	6.2	90° 10'	-0.6	-6.8		6887.5		-88	+180	671104	2442321	
π	0				5.4	-		-5.4		6888.9	π	0	0	671192	2442141	
408	130		229° 29' 43"	+73.6	5.8	89° -	+2.3	3.5		6890.8		+71	-109	671263	2442032	↑
409	460		229° 47' 54"	+73.6	6.8	87° 10'	+22.7	+15.9		6910.2		+253	-384	671445	2441758	Donner Pass 15' Quad
410	788		227° 18' 30" 22	+73.6	7.1	87° 20'	+36.6	+29.5		6923.8	TP	+404	-675	671598	2441468	B-47 18 22
410	788				9.4	87° 10'	+38.9	+29.5			TP	+2	+2			F-203 54 18 Sierraville 15' Quad
	1114		23° 54' 10"	+73.6	+4.7	89° -	-19.4	-14.7	6909.1		BS	+145	-1104			↓
	1114				+7.8	88° 50'	-22.7	-14.9			BS	-2	+2			
BM	1113		24° 26' 58"	+73.6	7.5	88° 50'	+22.7	+15.2		6924.3		-155	+1102	671590	2441468	
411	784		22° 30' 41"	+73.6	6.8	89° -	+13.7	+6.9		6916.0		-83	+779	671662	2441145	
412	455		21° 51' 54"	+73.6	2.8	89° -	+7.9	+5.1		6914.2		-43	+453	671702	2440818	
413	128		16° 09' 30"	+73.6	5.5	89° -	+2.2	-3.3		6905.8		+1	+128	671746	2440494	
π	0				5.4	-		-5.4		6903.7	π	0	0	671746	2440366	2-ROSS ROAD
414	210		224° 32' 11"	+73.6	5.3	90° 30'	-1.8	-7.1		6902.0		+99	-185	671845	2440180	
415	540		221° 27' 19"	+73.6	12.0	90° 30'	-4.7	-76.7		6892.4		+229	-489	671974	2439876	
416	869		220° 29' 50"	+73.6	7.9	91° -	-15.2	-23.1		6886.0		+355	-793	672100	2439572	
417	1199		219° 48' 02"	+73.6	11.3	90° 20'	-7.0	-18.3		6890.8		+476	-1100	672222	2439265	
TP	1466		220° 28' 43"	+73.6	7.3	90° 10'	-4.3	-11.6		6897.5	TP	+598	-1338	672346	2439020	
TP	1466				11.5	-		-11.5			TP	+2	+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					
7-26-82		B. Cotcamp		D. Hamilton		6834		D.H. JM		CA. #7	56					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
NO. CALIF. - SIERRA		Sierraville 15'	CALIF.	SIERRA					L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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	
	552		50° 43' 44"	+73.6	+4.9	90° 20'	+3.2	+8.1	6905.6		BS	+311	-456			
	552				+6.5	90° 10'	+1.6	+8.1		BS		+2	+2			
418	490		50° 01' 27"	+73.6	5.4	90° 10'	-1.4	-6.8		6898.8		-271	+408	672388	2438983	
419	160 165		39° 56' 01"	+73.6	7.1	89° 10'	+2.4	-4.7		6899.0		-66	+151	672593	2438727	
TP	0				5.4	-		-5.4		6900.2	TP	0	0	672659	2438575	
420	165		212° 21' 56"	+73.6	8.7	89° 10'	+2.4	-6.3		6899.3		+45	-759	672704	2438416	
421	493		208° 55' 54"	+73.6	10.4	89° 20'	+5.7	-4.7		6900.9		+107	-481	672706	2438094	
TP	649		207° 25' 30"	+73.6	5.3	90° 10'	-1.9	-7.2		6898.4	TP	+124	-637	672785	2437948	B-27 25 30
TP	649				7.2	90° -		-7.2			TP	+2	+2			F-191 42 58
	492		11° 42' 58"	+73.6	+6.8	88° -	-17.2	-10.4	6888.0		BS	-40	-490			
	492				+8.3	87° 50'	-18.6	-10.3		BS		+2	+2			
422	320		07° 46' 06"	+73.6	4.7	87° 50'	+12.1	+7.4		6895.4		+48	-316	672795	2437768	
TP	0				5.4	-		-5.4		6882.6	TP	0	0	672747	2437452	
423	10		185° 52'	+73.6	5.7	-		-5.7		6882.3		-2	-70	672745	2437442	
424	340		181° 46' 53"	+73.6	7.7	93° -	-17.8	-25.5		6862.5		-86	-329	672661	2437124	
425	667		181° 58' 05"	+73.6	7.6	93° -	-34.9	-42.5		6845.5		-166	-645	672581	2436807	
TP	756		181° 16' 11"	+73.6	8.8	93° -	-39.5	-48.3		6839.7	TP	-197	-729	672552	2436725	0-16 11"
TP	756				11.0	92° 50'	-37.3	-48.3			TP	+2	+2			F-205 48 04

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-26-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		CA.-7	57					
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
NO. CALIF.-SIERRA		Sierraville 15'		CALIF.	SIERRA				L. O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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 Plate Angles
														Y	X	
	910		25° 48' 04"	+73.6	+4.1	87° 10'	-44.9	70.8			BS	+148	-897			
	910				+6.7	87°	-47.6	70.9	6798.8		BS	+2	+2			
426	660		25° 21' 56"	+73.6	10.9	86° 40'	+38.3	+27.4		6826.2		-103	+651	672600	2436482	
427	330		25° 50' 23"	+73.6	8.3	86° 40'	+19.2	+10.9		6809.7		54	+325	672648	2436156	
428	0				5.4	-		-5.4		6793.4	TP	0	0	672702	2435831	
429	330		214° 02'	+73.6	5.4	92° 30'	-14.4	-19.8		6779.0		+100	-314	672802	2435512	
430	660		" "	"	5.7	92° 30'	-28.8	-34.5		6764.3		+200	-628	672902	2435202	
431	990		214° 17' 12"	+73.6	4.3	92° 40'	-46.0	-50.3		6748.5		+304	-941	673006	2434890	ⓐ
TP	1188		213° 24' 54"	+73.6	8.8	92° 20'	-48.3	-57.1		6741.7	TP	+342	-1135	673052	2434698	B-33° 24' 51"
TP	1188				5.4	92° 30'	-51.8	-57.2			TP	+2	+2			B-226° 52' 24"
	1050		99° 46' 52" 24"	+73.6	+3.9	89° 40'	-6.1	-2.2	6739.5		BS	+532	-905			
	1050				+10.0	89° 20'	-12.2	-2.2			BS	+2	+2			
432	910		46° 06' 12"	+73.6	8.5	89° 30'	+7.9	0.6		6738.9		-451	+790	673135	2434565	
433	580		44° 19' 52"	+73.6	9.0	89° 30'	+5.1	3.9		6735.6		-272	+512	672815	2434307	
434	254		43° 11' 00"	+73.6	4.5	89° 10'	+3.7	0.8		6838.7		-114	+227	673472	2434022	
TP	0				5.4	-		-5.4		6734.1	TP	0	0	673586	2433795	
435	174		223° 32' 45"	+73.6	7.9	89° 10'	+1.1	6.8		6732.7		+34	-66	673620	2433729	
436	406		212° 08' 43"	+73.6	4.1	91°	-7.0	-11.1		6728.4	TP	+109	-385	673697	2433412	B-32° 08' 43"
436	400				11.0	-		-11.0			TP	+2	+2			F-202 06 59"

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7-26-82		B. Cotcamp		D. Hamilton		6834		R.H. <i>Am</i>		C.A.-7	58				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF. - SIERRA		Sierraville 15'		CALIF.		SIERRA					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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
				+73.6	Correction		Plate → Grid								Plate Angle
	897		22° 06' 59"	+73.6	+9.8	-		+9.8	6738.2		BS	+89	-893		
	897				+14.3	TH	-4.5	+9.8			BS	+2	+2		
437	561		22° 07'	+73.6	5.2	-		-5.2		6733.0		-56	+558	673732	2433080
438	231		" "	"	1.4	-		-1.4		6736.8		-23	-230	673765	2432751
π	0				5.4	-		-5.4		6732.8	π	0	0	673788	2432521
439	91		202° 20' 36"	+73.6	6.6	-		-6.6		6731.6		+9	-91	673798	2432431
TP	268		196° 53' 35"	+73.6	3.3	91° 40'	-7.8	-11.1		6727.1	TP	-2	-268	673793	2432255
TP	268				4.1	91° 30'	-7.0	-11.1			TP	+2	+2		B-16° 53' 35" F-183° 37' 47"
	0		0° 00"	+73.6	+5.4	-		+5.4	6732.5		BS	0	0		
	0										BS	+2	+1		
π	0										π	0	0	673795	2432256
TP	790		117° 08' 14"	+73.6	6.9	93° 10'	-43.6	-50.5		6682.0	TP	-775	-747	673020	2432109
TP	0		0° 00"	+73.6	5.4	-		-5.4		6727.1	TP	0	0	673795	2432256
TP											BS				
	710		3° 37' 47"	+73.6	+5.9	89° 20'	+8.3	-2.4	6724.7		BS	-157	-692		
	710				+7.9	89° 10'	+10.3	-2.4			BS		-1		
440	561		359° 37' 42"	+73.6	6.2	89° 10'	+8.2	+2.0		6726.7		+162	+537	673800	2432100
441	231		" "	"	5.2	89° 10'	+3.4	-1.8		6722.9		+67	+221	673705	2431784
π	0				5.4	-		-5.4		6719.3	π	0	0	673638	2431563
442	98		179° 06' 12"	+73.6	5.2	91° 10'	-2.0	-7.2		6717.5		-29	-94	673609	2431469

El. 6682.0  
T-INTERSECT.  
B-16° 53' 35" "  
F-183° 37' 47" "  
x=2432,110 +49'  
y=673,020 +41'

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7-26-82		B. Cotcamp		D. Hamilton		6834		R.H. Jm		CA-7	59				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF. - SIERRA		Sierraville 15'		CALIF.		SIERRA					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	COR. 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
				+73.6				6724.7					Plate Angle		
443	426		183° 34'	+73.6	12.3	91° 10'	-8.7	21.0	6703.7		-95	-415	673543	2431147	
TP	490		182° 29' 30"	+73.6	8.2	92°	17.1	25.3	6699.4	TP	-118	-475	673520	2431086	B-2. 29' 30"
TP	490				9.6	91° 50'	15.7	25.3		TP		-1			
	0		0° 00' 00"	+						BS					
	0			+						BS					
X	0				5.4			-5.4		X					
	92		150° 34' 53"		5.3	96° 40'	10.6	75.9		SEC.					
	92				5.6	96° 30'	10.3	75.9		CORNER					SEC. CORNER 14113 T-19N. U.S. DEPT. 23124 R-3E. OF ENT.
	271		118° 53"	+73.6	3.7	87° 30'	11.8	8.1	6691.3	BS	-24	-270			
	271				4.5	87° 20'	12.6	8.1		BS		-1			
444	10		343° 16' 29"	+73.6	5.2	87° 20'	+0.5	4.7	6686.6		+5	+8	673502	2430824	
X	0				5.4			-5.4	6685.9	X			673496	2430816	
445	320		166° 33' 11"	+73.6	6.2	92° 20'	13.0	19.2	6672.1		-159	-277	673337	2430538	
TP	495		168° 38' 32"	+73.6	5.9	92° 20'	20.1	26.0	6665.3	TP	-230	-438	673266	2430377	B-348' 38"
TP	495				7.3	92° 10'	18.7	26.0		TP		-1			
	732		10° 08' 01"	+73.6	3.8	88° 10'	23.4	19.6	6645.7	BS	-80	-727			
	732				6.0	88°	25.5	19.5		BS		-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				
7-27-82		B. Cotcamp		D. Hamilton		6834		R.J.H.		C.A.-7	5860				
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER							
NO. CALIF. - SIERRA		Sierraville 15'	CALIF.	SIERRA				L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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
			0° 00' 00"	+73.6	Correction		Plate → Grid		6645.7						Plate Angle
446	578		10° 00' 26"	+73.6	5.5	88° -	+20.2	+14.7		6660.4		+64	+574	673250	2430223
447	250		05° 20' 17"	+73.6	5.2	88° -	+8.7	+3.5		6649.2		+48	+245	673234	2429944
π	0				5.4	-		-5.4		6640.3	π	-80	-727	673186	2429449
448	81		175° 19' 53"	+73.6	6.9	-		-6.9		6638.8		-29	-76	673157	2429573
449	411		173° 27' "	+73.6	5.0	91° 30'	70.8	75.8		6629.9		-160	-378	673026	2429270
450	740		" "	"	6.2	91° 30'	79.4	25.6		6620.1		-288	-681	672898	2428967
451	1070		" "	"	6.0	91° 30'	28.0	34.0		6611.7		-417	-985	672769	2428664
452	1400		" "	"	10.9	91° 30'	36.6	47.5		6598.2		-546	-1289	672640	2428360
	1462		172° 55' 48"	+73.6	7.9	91° 40'	42.5	50.4		6595.3	TP	-582	-1310	672604	2428307
	1462				12.1	91° 30'	38.3	50.4			TP		-1		
	1055		11° 43' 05"	+73.6	+5.8	88° -	36.8	31.0			BS	-86	-1051		
	1055				+8.8	87° 50'	39.9	31.1	6564.2		BS		-1		
453	780		11° 57' 24"	+73.6	9.3	87° 50'	+29.5	+20.2		6584.4		+60	+777	672578	2428032
454	456		12° 21' 54"	+73.6	8.6	87° 50'	+17.0	+8.4		6572.6		+32	+449	672550	2427104
455	120		17° 51' 35"	+73.6	5.8	88° -	+4.2	-1.6		6562.6		-3	+120	672515	2427375
π	0										π			672518	2427255
456	209		197° 40' 20"	+73.6	6.2	91° -	-3.6	9.8		6554.4		+5	-209	672523	2427046
457	539		195° 07' 58"	+73.6	9.0	91° -	-9.4	78.4		6545.8		-12	-539	672506	2426717

0 ,  
F. 19' 43' 05"

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-27-82		B. Gotcamp		D. Hamilton		6834		R.H. Jm		C.A. 7		61			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
No. CALIF. - SIERRA		Sierraville 15'		CALIF.		SIERRA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEG	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
															Plate Angle
458	869		193° 17' 51"	+73.6	6.0	91° 40'	25.3	31.3	6564.2						
TP	1065		192° 54' 48"	+73.6	10.4	91° 30'	27.9	38.3	6525.9	TP	-47	-867	672471	2426388	
TP	1065				7.3	91° 40'	31.0	38.3		TP	-65	-1063	672453	2426192	B-12 54 48 F-203° 03 41
	1448		23° 03' 41"	+73.6	+9.0	89° 30'	12.6	3.6	6522.3	BS	+168	-1438			
	1448				+13.2	89° 20'	16.8	3.6		BS		-1			
459	1313		23° 18' 36"	+73.6	3.3	-	-	-3.3	6519.0		+58	+1303	672463	2426056	
460	990		21° 13' 11"	+73.6	13.0	-	-	-13.0	6509.3		-83	+987	672538	2425739	
461	660		20° 27' 48"	+73.6	10.2	-	-	-10.2	6512.1		-47	+658	672575	2425411	
462	330		" "	"	3.1	-	-	-3.1	6519.2		-23	+329	672598	2425082	
463	0				5.4	-	-	-5.4	6516.9	TP			672621	2424752	
464	330		199° 53' 28"	+73.6	2.0	-	-	-2.0	6520.3		+20	-329	672641	2424423	
465	659		198° 34' 58"	+73.6	7.9	-	-	-7.9	6514.4	TP	+25	-659	672646	2424093	B-18° 34' 58"
465	659				11.2	TH	+3.3	-7.9		TP		-1			F-181° 01' 26"
	1132		1° 01' 26"	+73.6	+7.7	88° 10'	36.2	28.5	6485.9	BS	-300	-1091			
	1132				+4.4	88° 20'	32.9	28.5		BS		-1			
466	804		00° 39' 12"	+73.6	8.5	88° 20'	+23.4	+14.9	6500.8		+218	+774	672564	2423775	
467	472		01° 31' 05"	+73.6	8.6	88° 20'	+13.7	+5.1	6491.0		+121	+456	672468	2423457	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
7-27-82		B. Cotcamp		O. Hamilton		6834		R.H. Jim		CA-7		62				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM				
NO. CALIF. - SIERRA		Sierraville 15'		CALIF.		Sierra						PARTY MANAGER L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEG	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
				+73.6	Correction	Plate	→ Grid	6485.9							↑ Sierraville 15' Quad	
468	142		01° 31' 47"	+73.6	7.5	88° 20'	+4.1	3.4		6482.5		+36	+137	672383	2423138	
X	0				5.4	-		-5.4		6480.5	X			672346	2423001	Sierra City 15' Quad
469	191		207° 45' 06"	+73.6	7.0	-		-7.0		6478.9		+38	-187	672384	2422814	↓
470	522		207° 32'	+73.6	7.1	-		-7.1		6478.8		+101	-512	672447	2422489	
471	852		208° 02' 06"	+73.6	9.1	-		-9.1		6476.8		+172	-834	672518	2422167	
472	1182		207° 09' 44"	+73.6	7.1	-		-7.1		6478.8	TP	+221	-116	672567	2421839	θ-27° 09' 44"
472	1182				13.0	TM	+5.9	7.1			TP		-1			F-197° 04' 07"
	1122		17° 04' 07"	+73.6	+3.5	89°	19.6	76.1		6462.7	BS	+13	-1122			
	1122				+6.8	88° 50'	22.8	76.0			BS		-1			
473	790		16° 49' 06"	+73.6	12.9	88° 50'	+16.2	+3.2		6465.9		-6	+790	672574	2421506	
474	460		17° 47' 38"	+73.6	12.9	89° 30'	+4.0	8.9		6453.8		-11	+460	672569	2421176	
475	131		21° 45' 29"	+73.6	7.4	89° 30'	+1.1	+6.3		6456.4		-12	+130	672568	2420816	
X	0				5.4	-		-5.4		6457.3	X			672580	2420716	
476	199 <sup>R.H.</sup>		208° 42' 28"	+73.6	5.4	90° 40'	-2.3	-7.7		6455.0		+42	-194	672622	2420522	
TP	420		209° 12' 48"	+73.6	3.1	91°	-7.3	10.4		6452.3	TP	+93	-409	672679	2420306	θ-29° 12' 48"
TP	420				4.3	90° 50'	-6.1	10.4			TP		-1			F-194° 24' 25"
	525		14° 24' 25"	+73.6	+6.7	89° 30'	-4.6	+2.1		6454.4	BS	-18	-525			
	525				+8.2	89° 20'	-6.1	+2.1			BS		-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					
7-27-82		B. Cotcamp		D. Hamilton		6834		R.H. Jm		C.A.-7	63					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
No. CALIF. - SIERRA		Sierra City 15'		CALIF.		SIERRA					L. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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
									6454.4						Plate Angle	
477	420		13° 19' 28"	+73.6	6.7	89° 20'	+4.9	-1.8		6452.6		+23	+49	672678	2420199	
478	90		11° 31' 23"	+73.6	4.5	89° 20'	+1.0	-3.5		6450.9		+8	+90	672663	2419870	6' 00" SET BACK ON B.S.
K	0				5.4			-5.4		6449.0	X			672655	2419780	SET UP ACROSS ROAD TO STA. 480
479	248		221° 32' 31"	+73.6	10.2	91° 30'	-10.2			6444.2		+105	-225	672760	2419555	
480	577		218° 56' 26"	+73.6	1.7	91° 30'	-75.1	-16.8		6437.6	TP	+221	-533	672876	2419246	<del>B-38-56-26</del>
480	577		<del>204-37-00</del>		8.4	90° 50'	-8.4	-16.8			TP		-1			B-24° 37'
																F-188° 39' 12"
	657		08° 39' 12"	+87.9	+9.2	87° 30'	-28.6	-19.4	6418.2		BS	+75	-652			This segment was skipped in initial traverse due to construction. The instr. was set to 0° 00' 00" on previous BS on traverse thru constr. there will +14.3° correction to previous plates.
	657				+7.3	87° 40'	-26.7	-19.4			BS		-1			
481	329		05° 10'	+87.9	3.2	87° 30'	+14.3	+11.1		6429.3		-18	+328	672933	2418921	
482	0				5.4			-5.4		6412.8	X			672951	2418573	
483	330		169° 24'	+87.9	4.2	93° 30'	-20.1	-24.3		6393.9		-72	-321	672879	2418177	
484	660		" "	"	10.6	92° 30'	-28.8	-39.4		6378.8		-145	-443	672806	2417952	
TP	845		169° 20' 00"	+87.9	10.9	92° 20'	-34.4	-45.3		6372.9	TP	-187	-823	672765	2417769	B-35 349 20
TP	845				8.4	92° 30'	-36.8	-45.2			TP		-1			F-203° 25' 20"
	550		23° 25' 20"	+87.9	+4.2	86° 20'	+35.1	-30.9	6342.0		BS	+200	-511			
	550				+5.8	86° 10'	-36.7	-30.9			BS		-1			
485	390		23° 25'	+87.9	3.6	86° 10'	-26.0	+22.4		6364.4		-141	+363	672823	2417619	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-30-82		B. Cotcamp		D. Hamilton		6834		RAH. Jhr		C.A.-7	64					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF. - SIERRA		Sierra City 15'		CALIF.		SIERRA					L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	-DEG	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
				+87.9	Correction	Plate	→ Grid		6342.0						Plate Angle	
486	62		14° 22"	+87.9	4.2	86° 10'	+4.1	0.1		6341.9		-13	+60	672951	2417317	
X	0				5.4	-		-5.4		6336.6	X			672964	2417256	
487	265		176° 32'	+87.9	8.6	94° 20'	-20.0	-28.6		6313.4		-26	-263	672938	2416993	
488	587		168° 20'	+87.9	8.1	94° 20'	-44.2	-52.3		6289.7		-139	-569	672826	2416688	
TP	662		169° 26' 59"	+87.9	4.6	94° 40'	-53.7	-58.3			TP	-145	-644	672820	2416612	B-349° 26' 59"
TP	662				6.6	94° 30'	-51.8	-58.4		6283.6	TP		-1			F-199° 13' 05"
	811		19° 13' 05"	+87.9	+3.8	86° -	-56.4	-52.6	6231.0		BS	+238	-773			
	811				+6.5	85° 50'	-58.8	-52.3			BS		-1			
489	660		18° 18'	+87.9	6.0	86° -	+45.9	-39.9		6270.9		-184	+632	672874	2416470	
490	330		11° 48'	+87.9	7.9	86° -	+23.0	+15.1		6246.1		-55	+324	673002	2416162	
491	0				5.4	-		-5.4		6225.6	X			673058	2415837	
492	330		189° 10'	+87.9	9.2	93° 20'	-79.2	-28.4		6202.6		+41	-327	673098	2415510	
493	658		184° 25' 29"	+87.9	5.4	94° -	-45.8	-51.2		6179.8	TP	+27	-656	673084	2415181	B-4° 25' 29"
493	658				7.3	93° 50'	-43.9	-51.2			TP		-1			F-175° 52' 26"
	660		355° 52' 26"	+87.9	+7.6	86° 50'	-36.4	-28.8	6151.0		BS	-71	-655			
	660				+9.5	86° 40'	-38.3	-28.8			BS		-1			
494	330		355° 52'	+87.9	7.5	86° 40'	+19.2	+11.7		6162.7		+36	+327	673049	2414852	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 7-30-82	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY R.H. Jon	LINE NO. C.A.-7	PAGE 65	
AREA No. CALIF. - SIERRA	TOPO MAP Sierra City 15'	STATE CALIF.	COUNTY SIERRA	TWP	RANGE	PPM	PARTY MANAGER L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEE	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		
				+87.9°	Correction	Plate	→ Grid	6151.0									
495	0				5.4	-		-5.4		6145.6	TP			673013	2414524	ACROSS STA.	
TP	81		185° 43' 48"	+87.9°	7.1	91°	1.4	8.52		6142.5	TP	+5	-81	673018	2414443	B-5° 43' 48"	
TP	81				7.3	90° 40'	1.2	8.5			TP		-1			F-208° 16' 47"	



SURVEY NOTES-HIGH RESOLUTION DATA  
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
7-21-82		B. Cotcamp		D. Hamilton		6834		RYH Jm		C.A.-7		67							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
NO. CALIF. - SIERRA		Sierra City 15'		CALIF.		SIERRA								L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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 Plate Angles	
												LAT.	DEP.	Y	X				
				+17.8°	Correction		Plate → Grid			6088.9									
	340		79° 23' 22"	+17.8°	+0.8	87° 30'	-74.8	-74.0	6074.9		BS	+43	-337						
	340				+1.8	87° 20'	-75.8	-74.0			BS		-1						
504	128		78° 44'	+17.8°	6.8	86° 40'	+7.4	+0.6		6075.5		-15	+127	672,892	2,411,811				
X	0				5.4	-	-5.4			6069.5	X	0	0	672,906	2,411,684				ACROSS Rn
505	212		297° 41'	+17.8°	7.4	90° 40'	-2.5	-9.9		6065.0		+151	-149	673,057	2,411,536				
TP	410		294° 58' 54"	+17.8°	4.1	91° -	-7.2	-11.3		6063.6	TP	+278	-301	673,185	2,411,382				B-114° 58' 54"
TP	410				5.3	90° 50'	-6.0	-11.3			TP		-1						F-324° 40' 40" a.g.c.
	383		144° 40' 41"	+17.8°	+4.8	89° 40'	-2.2	+2.6	6066.2		BS	+365	-115						
	383				+5.9	89° 30'	-3.3	+2.6			BS		-1						
506	248		143° 49'	+17.8°	4.9	89° 30'	+2.2	-2.7		6063.5		-235	+78	673,315	2,411,344				
X	0				5.4	-	-5.4			6060.8	X	0	0	673,550	2,411,266				
507	79		292° 46'	+17.8°	6.0	89° 40'	+1.1	-4.9		6061.3		+51	-60	673,601	2,411,206				
508	400		292° 19'	+17.8°	12.9	88° 50'	+8.1	-4.8		6061.4		+258	-306	673,808	2,410,960				ACROSS STR
	529		289° 43' 40"	+17.8°	5.1	89° 30'	+4.6	-0.5		6065.7	TP	+322	-420	673,872	2,410,845				B-109° 43' 40"
	529				6.6	89° 20'	+6.2	-0.4			TP		-1						F-269° 37' 35"
	431		89° 37' 35"	+17.8°	+4.4	-		+4.4	6070.1		BS	+129	-411						
	431				+2.2	84	+2.2	+4.4			BS		-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				
7-28-82		B. Cotcamp		D. Hamilton		6834		R.H. Jm		C.A.-7	68				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF.-SIERRA		Sierra City 15'		CALIF.		SIERRA					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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
															Plate Angle
509	232		89° 43'	+17.8	3.4	-		-3.4	6070.1						
X	0			+17.8	5.7	-		-5.7	6066.7		X	0	0	674,001	2,410,433
510	98		262° 00'	+17.8	9.6	-		-9.6	6064.4			+17	-97	674,018	2,410,337
511	420		244° 00'	+17.8	14.8	-		-14.8	6060.5			-60	-416	673,941	2,410,018
	522		240° 15' 32"	+17.8	5.5	91° 10'	-9.1	-14.6	6055.3		TP	-108	-511	673,893	2,409,922
	522				4.0	91° 10'	70.6	-14.6	6055.5		TP				
	130		36° 39' 39"	+17.8	+5.4	-		+5.4	6060.9		BS	-76	-106		
	130				+4.7	BS	+0.7	+5.4			BS		-1		
512 X	0				5.4	-		-5.4	6055.5		X	0	0	673,818	2,409,815
512	82		264° 21'	+17.8	5.8	-		-5.8	6055.5			+17	-80	673,835	2,409,735
513	409		258° 51'	+17.8	8.1	-		-8.1	6052.8			+47	-406	673,865	2,409,409
TP	460		259° 17'	+17.8	5.0	90° 10'	-7.3	-6.3	6054.6		TP	+57	-456	673,874	2,409,357
TP	460				6.3	-		-6.3			TP		-1		
	881		92° 42' 48"	+17.8	+5.8	89° 50'	-2.6	+3.2	6057.8		BS	+309	-825		
	881				+8.4	89° 40'	-5.1	+3.3			BS		-1		
514	820		92° 04'		6.9	89° 40'									
515	610		88° 13'	+17.8	5.0	89° 40'	+3.6	-1.4	6056.4			-168	+586	674,015	2,409,118
514															

B-60° 15' 32"  
F-216° 39' 39"

B-79° 17'  
F-272° 42' 48"

ACROSS ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-28-82		B. Cotcamp		D. Hamilton		6834		R.H. Jm		C.A.-7	69						
AREA		TOPO MAP		STATE		COUNTY		TWP		PARTY MANAGER							
NO. CALIF. - SIERRA		Sierra City 15'		CALIF.		SIERRA				L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS Plate Angle	
														Y	X		
				+17.8	Correction				6057.8								
515	282		89° 12'	+17.8	5.8	-		-5.8		6052.0		-82	+270	674,101	2,408,801		
TP	0				5.4	-		-5.4		6052.4	TP	0	0	674,183	2,408,531		
516	55		310° 04'	+17.8	4.7	-		-4.7		6053.1		+47	-29	674,230	2,408,502		
517	371		288° 24' 36"	+17.8	6.2	90° 20'	-2.2	8.4		6049.4	TP	+219	-299	674,402	2,408,231	B-108° 24' 36"	
517	371				7.3	90° 10'	-1.1	8.4			TP		-1			F-336° 58' 37"	
	1166		156° 58' 37"	+17.8	+8.7	89° 50'	-3.4	+5.3			BS	+1161	-106				
	1166				+12.0	89° 40'	-6.8	+5.2	6054.6		BS		-1				
518	888		166° 25'	+17.8	8.9	91° -	-75.5	24.4		6030.2		-885	-65	674,678	2,408,058		
519	560		173° 04'	+17.8	15.0	90° 10'	-7.6	76.6		6038.0		-550	-106	675,013	2,408,018		
520	240		171° 06'	+17.8	8.9	90° 10'	-0.7	9.6		6045.0		-237	-37	675,326	2,408,087		
TP	0				5.4	-		-5.4		6049.2	TP	0	0	675,563	2,408,124		
521	80		349° 21'	+17.8	9.6	90° 6'	-0.2	-9.8		6044.8		+79	+10	675,643	2,408,134		
TP	194		351° 09' 43"	+17.8	2.6	95° 10'	-7.4	20.0		6034.6	TP	+191	+30	675,754	2,408,153	B-171° 09' 43"	
TP	194				9.3	93° 10'	-10.7	20.0			TP		-1			F-01° 33' 56"	
	483		181° 33' 56"	+17.8	+4.5	86° 30'	-29.4	24.9	6009.7		BS	+455	+160				
	483				+5.9	86° 20'	-30.8	24.9			BS		-1				
522	270		178° 03'	+17.8	13.0	86° 20'	+17.2	+4.2		6013.9		-259	-74	675,950	2,408,238		
TP	0				5.4	-		-5.4		6004.3	TP	0	0	676,209	2,408,312		

VEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-28-82		B. Cotcamp		D. Hamilton		6834		R.H. Am		CA-7	70						
AREA		TOPO MAP		STATE		COUNTY		TWP		PARTY MANAGER							
NO. CALIF.-SIERRA		Sierra City 15'		CALIF.		SIERRA				L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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		
				+17.8	Correction	Plate	→ Grid		6009.7								
523	68		305° 37'	+17.8	7.8	93° 40'	-4.3	-12.1		5997.6		+54	-40	676,264	2,408,271		
	370		300° 59' 11"	+17.8	5.7	93° 10'	-20.4	-26.1		5983.6	TP	+278	-243	676,487	2,408,068		120° 59' 11"
	370				6.7	93° -	-19.3	-26.0			TP		-1				F-273° 38' 44"
	172		93° 38' 44"	+17.8	+2.1	86° 50'	-9.5	-7.4		5976.2	BS	+63	-160				
	172				+2.7	86° 40'	-10.0	-7.3			BS		-1				
524	151		92° 43'	+17.8	3.2	86° 40'	+8.8	+5.6		5981.8		-53	+141	676,497	2,408,048		
	π	0			5.4	-		-5.4		5970.8	π	○	○	676,550	2,407,906		
525	189		310° 55'	+17.8	10.2	93° 10'	-10.4	-20.6		5955.6		+161	-98	676,711	2,407,808		
526	512		313° 46'	+17.8	10.8	92° 40'	-23.8	-34.6		5941.6		+450	-244	677,000	2,407,663		ACROSS STA.
	636		311° 33' 44"	+17.8	6.9	93° 20'	-36.9	-43.8			TP	+546	-324	677,096	2,407,582		B-131° 33' 44"
	636				8.8	93° 10'	-35.1	-43.9		5932.3	TP		-1				F-298° 06' 54"
	420		118° 06' 54"	+17.8	+5.4	87° 10'	-20.7	-15.3		5917.0	BS	+301	-292				
	420				+4.2	87° 20'	-19.5	-15.3			BS	+1	-1				
527	216		116° 18'	+17.8	5.6	87° 20'	+10.0	+4.4		5921.4		-150	+155	677,248	2,407,444		
	π	0			5.4	-		-5.4		5911.6	π	○	○	677,398	2,407,289		
528	114		306° 35'	+17.8	7.1	89° 50'	+0.3	-6.8		5910.2		+93	-66	677,491	2,407,223		
	TP	360	304° 40' 22"	+17.8	3.4	91° 20'	-8.4	-11.8		5905.2	TP	+285	-219	677,685	2,407,069		B-124° 40' 22"
	TP	360			4.4	91° 10'	-7.3	-11.7			TP	+1	-1				F-213° 19' 41"

TRIEVE NOTES-HIGH RESOLUTION DATA

EO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-28-82		B. Cotcamp		D. Hamilton		6834		R.H. dm		C.A.-7	71					
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER						
No. CALIF. - SIERRA		Sierra City 15'	CALIF.	SIERRA						L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEC	ROD READING	VERTICAL ANGLE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
											LAT.	DEP.	Y	X		
									5905.2							
	391		33° 19' 41"	+17.8	Correction	87° 30'	-17.0	-13.5	5891.7	BS	-245	-304				
	391			+17.8	+3.5	87° 40'	-15.9	-13.5		BS	+1	-1				
529	335		25° 19'	+17.8	10.1	87° 06'	+16.9	+6.8	5898.5		+244	+229	677,685	2,406,992		
530	30		21° 48'	+17.8	6.8	87° -	+1.6	-5.2	5886.5		+23	+19	677,464	2,406,783		
	0				5.4	-		-5.4	5886.3	TP	0	0	677,441	2,406,764		
531	310		276° 06'	+17.8	11.1	91° -	5.4	-16.5	5875.2		+126	-283	677,566	2,406,480		
TP	384		272° 39' 48"	+17.8	3.9	92° 20'	-15.6	-19.5	5872.2	TP	+134	-359	677,576	2,406,403		B-92° 39' 48"
TP	384				5.0	92° 10'	-14.5	-19.5		TP	+1	-1				F-259° 02' 28"
	503		79° 02' 28"	+17.8	+1.8	87° -	-26.3	-24.5	5847.7	BS	+60	-499				
	503				+3.3	86° 50'	-27.7	-24.4		BS	+1	-1				
532	250		78° 53'	+17.8	5.2	86° 50'	+13.8	+8.6	5856.3		-29	+248	677,608	2,406,151		
	0				5.4	-		-5.4	5842.3	TP	0	0	677,637	2,405,903		
533	80		256° 24'	+17.8	8.6	90° 20'	-0.5	-9.1	5838.6		+6	-80	677,642	2,405,824		
534	405		241° 07'	+17.8	4.8	92° 10'	75.3	20.1	5827.6		+78	-397	677,559	2,405,506		
TP	590		241° 13' 49"	+17.8	6.1	92° 10'	-22.3	-28.4	5819.3	TP	-112	-579	677,525	2,405,324		B-61° 13' 49"
TP					7.8	92° -	-20.6	-28.4		TP	+1	-1				F-281° 18' 21"
	71		101° 15' 21"	+17.8	+1.1	-		+1.1		BS	+34	-62				
	71				+1.4	TP	-0.4	+1.0	5820.3	BS	+1	-2				

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7-28-82		B. Cotcamp		D. Hamilton		6834		R/H. <i>Dr</i>		C.A.-7	72				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
NO. CALIF. - SIERRA		Sierra City 15'	CALIF.	SIERRA					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEG	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
				+17.8	Correction		Plate → Grid		5820.3						
π	0				5.4	-		-5.4		5814.9	π	0	0	677,561	2,405,260
535	84		308° 50'	+17.8°	6.0	92°	2.9	8.9		5811.4		+70	-46	677,631	2,405,213
536	411		308° 24' 50"	+17.8°	4.3	93° 30'	-25.0	-29.3			TP	+341	-228	677,903	2,405,029
536	411				5.5	93° 20'	-23.9	-29.4		5790.9	TP	+1	-2		
	450		102° 14' 50"	+17.8°	+8.9	86° 20'	-28.7	-19.8	5771.1		BS	+225	-389		
	450				+7.6	86° 30'	-27.4	-19.8			BS	+1	-2		
537	121		91° 22'	+17.8°	6.6	86° 20'	+7.7	+1.1		5772.2		-40	+114	678,089	2,404,753
π	0				5.4	-		-5.4		5765.7	π	0	0	678,129	2,404,639
538	210		278° 25'	+17.8°	10.7	92° 20'	-8.5	19.2		5751.9		+93	-188	678,221	2,404,450
539	531		273° 17'	+17.8°	11.3	92° 20'	-21.6	32.9		5738.2		+191	-495	678,320	2,404,144
TP	779		271° 36' 09"	+17.8°	5.6	93°	-40.7	-46.3		5724.8	TP	+258	-734	678,388	2,403,903
TP	779				7.8	92° 50'	-38.5	-46.3			TP	+1	-2		
	422		68° 57' 38"	+17.8°	+4.0	87° 50'	-15.9	-11.9	5712.9		BS	-24	-421		
	422				+5.3	87° 40'	-17.2	-11.9			BS	+1	-2		
540	339		67° 47'	+17.8°	6.7	87° 40'	+13.8	+7.1		5720.0		+26	+338	678,391	2,403,818
541	10		71° 45'	+17.8°	5.5	87° 40'	+0.4	5.1		5707.8		0	+10	678,365	2,403,490
π	0				5.4	-		-5.4		5707.5	π	0	0	678,365	2,403,480

B-128° 24' 50"  
F-282° 14' 50"

B-91° 36' 09"  
F-248° 57' 38"

SURVEY NOTES-HIGH RESOLUTION DATA  
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-28-82		B. Cotcamp		D. Hamilton		6834		RYH. <i>DM</i>		C.A.-7	73						
AREA		TOPO. MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
No. CALIF. - SIERRA		Sierra City 15'	CALIF.	SIERRA					L.O. DAVIS								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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 Plate Angles	
														Y	X		
				+17.8°	Correction: Plate → Grid				5712.9								
542 TP	255		272° 06' 27"	+17.8°	2.5	91° -	-4.4	-6.9			TP	+87	-240	678,453	2,403,238	B-92° 06' 27"	
TP	255				5.5	90° 20'	-1.5	-7.0		5705.9	TP	+1	-2			F-259° 25' 08"	
	260		79° 25' 08"	+17.8°	+5.7	91° 30'	+6.8	+12.5	5718.4		BS	+33	-258				
	260				+6.5	91° 20'	+6.0	+12.5			BS	+1	-2				
542	197		78° 47'	+17.8°	8.0	91° 20'	-4.6	-2.6		5705.8		-23	+196	678,464	2,403,174		
X	0				5.4	-		-5.4		5713.0	X	0	0	678,487	2,402,978		
543	137		285° 54'	+17.8°	4.7	91° 20'	3.2	7.9		5710.5		+76	-114	678,563	2,402,814		
544	468		284° 13' 48"	+17.8°	0.7	91° -	-8.2	-8.9		5709.5	TP	+248	-397	678,736	2,402,580	B-104° 13' 48"	
544	468				3.4	90° 40'	-5.4	-8.8			TP	+1	-2			F-298° 40' 12"	
	228		118° 40' 12"	+17.8°	+2.8	91° 20'	+5.3	+8.1			BS	+165	-157				
	228				+6.7	90° 20'	+1.3	+8.0	5717.5		BS	+1	-2				
X	0				5.4	-		-5.4		5712.1	X	0	0	678,902	2,402,421		
545	102		278° 45'	+17.8°	6.9	90° 30'	0.9	7.8		5709.7		+46	-91	678,948	2,402,329		
TP	273		273° 35' 59"	+17.8°	2.1	89° 30'	+2.4	+0.3		5717.8	TP	+100	-254	679,003	2,402,165	B-93° 35' 59"	
TP	273				2.9	89° 20'	+3.2	+0.3			TP	+1	-2			F-261° 10' 12"	
	1033		81° 10' 12"	+17.8°	+6.8	89° 30'	-9.0	-2.2			BS	+161	-1020				
	1033				+9.7	89° 20'	-12.0	-2.3	5715.5		BS	+1	-2				

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-28-82		B. Cotcamp		D. Hamilton		6834		R/H. Jm		CA.-7	74					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
NO. CALIF. - SIERRA		Sierra City 15'	CALIF.	SIERRA					L.O. DAVIS							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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	
				+17.8°	Correction; Plate → Grid				5715.5							
546	880		81° 18'	+17.8°	13.4	89° 20'	+10.2	+3.2		5712.3		-139	+869	679,026	2,402,011	
547	571		71° 13'	+17.8°	7.1	-		-7.1		5708.4		+10	+571	679,175	2,401,713	
548	299		49° 31'	+17.8°	9.1	87° 30'	+13.0	+3.9		5719.4		+115	+276	679,280	2,401,418	
π	0				5.4	-		-5.4		5710.1	π	0	0	679,165	2,401,142	
549	22		265° 03'	+17.8°	4.9	87° 30'	+1.0	-3.9		5711.6		+5	-21	679,170	2,401,121	
TP	148		229° 32' 25"	+17.8°	3.9	-		-3.9		5711.6	TP	-57	-137	679,109	2,401,004	B-49° 32' 23"
TP	148				3.5	96° 10'	0.4	-3.9			TP	+1	-2			F-246° 54' 17"
	471		66° 54' 17"	+17.8°	+3.4	89° 40'	-2.7	+0.7		5712.3	BS	-43	-469			
	471				+4.8	89° 30'	-4.1	+0.7			BS	+1	-2			
550	380		40° 18'	+17.8°	3.9	89° 40'	+2.2	-1.7		5710.6		+201	+323	679,267	2,400,855	
551	80		32° 25'	+17.8°	3.2	89° 30'	+0.7	-2.5		5709.8		+51	+61	679,118	2,400,594	
π	0				5.4	-		-5.4		5706.9	π	0	0	679,066	2,400,533	
552	229		270° 38'	+17.8°	7.9	88° -	+8.0	+0.1		5712.4		+72	-217	679,139	2,400,316	
TP	261		250° 12' 42"	+17.8°	5.8	88° 20'	+7.6	+1.8		5714.1	TP	-9	-261	679,058	2,400,270	B-70° 12' 42"
TP	261				6.5	88° 10'	+8.3	+1.8			TP	+1	-2			F-229° 12' 50"
	239		49° 12' 50"	+17.8°	+4.6	89° 10'	-3.5	+1.1		5715.2	BS	-93	-220			
	239				+3.9	89° 20'	-2.8	+1.1			BS	+1	-2			

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
8-28-82		B. Cotcamp		D. Hamilton		6834		R.H. Jm		C.A.-7		75						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
NO. CALIF. - SIERRA		Sierra City 15'		CALIF.		SIERRA								L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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			
C.S.	156		65° 59' 47"	+17.8°	5.4	98° 20'	-11.8	-17.2	5715.2	5698.0		+17	+155	678,983	2,400,203			
G.S.R.M.	60		134° 45' 30"	+17.8°	10.0	91° 16'	7.2	11.2		5704.0		-53	+28	678,913	2,400,076			
TP	0				5.4	-		-5.4		5709.8	π	○	○	678,966	2,400,048			
TP	71		199° 12' 18"	+17.8°	7.1	-		-7.1			TP	-57	-43	678,910	2,400,003			B-19° 12' 18"
TP	71				6.8	84	-0.4	-7.2		5708.0	TP	+1	-2					F-272° 16' 52"
	269		92° 16' 52"	+17.8°	+4.2	90° 10'	+0.8	+5.0	5713.0		BS	+92	-253					
	269				+5.0	-		+5.0			BS	+1	-2					
554	0				5.4	-		-5.4		5707.6	π	○	○	679,004	2,399,749			
TP	251		268° 22' 38"	+17.8°	2.0	95° 10'	-22.5	-24.5			TP	+70	-240	679,074	2,399,506			B-88° 22' 38"
TP	251				6.5	94° 10'	-18.2	-24.7		5688.3	TP	+1	-2					F-309° 44' 28"
	412		129° 44' 28"	+17.8°	+4.0	-		+4.0	5692.3		BS	+348	-221					
	412				+6.1	74	-2.1	+4.0			BS	+1	-2					
555	328		129° 56'	+17.8°	10.5	-		-10.5		5681.8		-277	+175	679,146	2,399,458			
556	0				5.4	-		-5.4		5686.9	π	○	○	679,423	2,399,283			
TP	218		316° 32' 08"	+17.8°	2.6	88° 40'	+5.1	+2.5		5694.8	TP	+196	-94	679,620	2,399,187			B-136° 32' 08"
TP	218				3.2	88° 30'	+5.7	+2.5			TP	+1	-2					F-293° 08' 31"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-29-82		B-Cotcamp		D. Hamilton		6834		R.H. Jm		C.A.-7	76						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
NO. CALIF. - SIERRA		Sierra City 15'		CALIF.		SIERRA					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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		
				+17.8	Correction; Plate → Grid					5694.8							
	285		113° 08' 31"	+17.8	+8.1	92° 10'	+10.8	+18.9			BS	+187	-215				
	285				+8.9	92° -	+9.9	+18.8	5713.6		BS	+1	-2				
557	181		112° 09' <sup>B.C.K.</sup>	+17.8	7.8	92° -	-6.3	-4.1		5699.5		-116	+139	679,692	2,399,108		
	π	0			5.4	-		-5.4		5708.2	π	0	0	679,808	2,398,970		
558	146		267° 22'	+17.8	7.6	92° -	5.1	-2.7		5700.9		+38	-141	679,846	2,398,829		
	266		250° 57' 31"	+17.8	3.5	91° 20'	-6.2	-9.7		5703.9	TP	-6	-266	679,803	2,398,702	B-70 57' 31"	
	266				4.2	91° 10'	-5.4	-9.6			TP					F-240° 31' 17"	
												+1	-2				
	604		60° 31' 17"	+17.8	+2.4	92° -	+21.1	+23.5	5727.4		BS	-122	-591				
	604				+5.9	91° 40'	+17.6	+23.5			BS	+1	-2				
821091	680		58° 44' 12"	+17.8	14.1	91° 04'	-2.7	-26.8		5700.6		+158	+66	679,840	2,398,770	C/L creek & trail	
559	414		59° 55'	+17.8	8.6	91° 50'	-3.2	-21.8		5705.6		+88	+404	679,770	2,398,513	X=2,398,770 corr. Y=679,840 -96=X (scaled)	
560	85		52° 43'	+17.8	6.7	91° 50'	-2.7	-9.4		5718.0		+28	+80	679,710	2,398,189		
	π	0			5.4	-		-5.4		5722.0	π	0	0	679,682	2,398,109		
TP	185		259° 22' 35"	+17.8	5.1	84° -	+19.2	+14.1		5741.5	TP	+23	-183	679,705	2,397,926	AROUND 90° corner.	
TP	185				8.3	83° -	+22.4	+14.1			TP					B-79° 22' 35" F-353° 38' 45"	
	301		173° 38' 45"	+17.8	+5.1	95° -	+26.1	+31.2	5772.7		BS	+294	+60				
	301				+10.3	94° -	+20.9	+31.2			BS						

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-29-82		B. Cotamp		D. Hamilton		6834		R.H. Jm		C.A.-7	77						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
NO. CALIF. - SIERRA		Sierra City 15'	CALIF.	SIERRA					L.O. Davis								
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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		
				+17.8°	Correction		Plate → Grid		5772.7								
561	230		172° 56'	+17.8°	11.2	94° -	76.0	-27.2		5745.5		-225	-43	679,773	2,397,943		
X	0				5.4	-		-5.4		5767.3	X	0	0	679,999	2,397,986		
562	102		10° 39'	+17.8°	6.9	81° 30'	+14.9	+8.0		5780.7		+89	+48	680,088	2,398,034		
TP	302		α° 03' 58"	+17.8°	1.4	84° -	+31.4	+30.0			TP	+275	+122	680,274	2,398,107	B-186° 03' 58"	
TP	302				6.6	83° -	+36.5	+29.9		5802.6	TP					F-300° 49' 20"	
	52		120° 49' 20"	+17.8°	+4.8	95° -	+4.5	+9.3	5811.9		BS	+39	-34				
	62				+6.7	93° -	+2.7	+9.4			BS						
X	0				5.4	-		-5.4		5806.5	X	0	0	680,312	2,398,073		
563	60		274° 39'	+17.8°	6.5	-		-6.5		5805.4		+23	-55	680,338	2,398,018		
564	384		264° 47' 59"	+17.8°	5.7	87° 50'	+14.5	+8.8		5820.7	TP	+84	-374	680,396	2,397,699	ACROSS STR...	
564	384				4.6	88° -	+13.4	+8.8			TP					B-84° 47' 59" F-268° 22' 45"	
	403		78° 22' 45"	+17.8°	+3.3	95° -	+35.0	+38.3	5859.0		BS	+43	-399				
	403				+10.4	94° -	+28.0	+38.4			BS						
565	74		68° 40'	+17.8°	7.4	93° -	-3.9	-7.3		5847.7		+5	+74	680,444	2,397,373		
X	0				5.4	-		-5.4		5853.6	X	0	0	680,439	2,397,300		
566	250		239° 36'	+17.8°	5.3	84° 40'	+23.1	+17.8		5876.8		-54	-243	680,385	2,397,051		
TP	519		240° 05' 42"	+17.8°	5.3	85° -	+45.1	+39.8			TP	-108	-506	680,331	2,396,794	B-60° 05' 42"	
TP	519				14.3	84° -	+54.0	+39.7		5898.7	TP					F-268° 00' 48"	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE		
7-29-82		B. Cotcamp		D. Hamilton		6834		R.H. Jm		C.A.-7	78		
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER		
No. CALIF-SIERRA		Sierra City 15'		CALIF.		SIERRA					L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEC	ROD READING	VERTICAL ANGLE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS Plate Angle
											NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5898.7				
	372		88° 00' 48"	+17.8	+4.9	95° -	+32.3	+37.2		BS	+101	-357	
	372				+5.9	94° 50'	+31.2	+37.1	5935.8	BS			
567	312		84° 03'	+17.8	4.7	94° 40'	-25.3	-30.0	5905.8		-64	+304	680,368 2,396,742
568	0				5.4	-	-5.4	-5.4	5930.4	X	0	0	680,432 2,396,438
569	330		267° 27'	+17.8	6.6	84° 30'	+31.5	+24.9	5960.7		+86	-317	680,518 2,396,121
TP	480		259° 40' 18"	+17.8	4.1	85° -	+41.7	+37.6	5973.4	TP	+62	-474	680,494 2,395,963
TP	480				2.7	85° 10'	+40.3	+37.6		TP			F- 79° 40' 18" F- 231° 26' 24"
	350		51° 26' 24"	+17.8	+4.6	95° 30'	+33.4	+38.0	6011.4	BS	-123	-326	
	350				+6.6	95° 10'	+31.4	+38.0		BS			
570	181		50° 52'	+17.8	5.3	95° 10'	-16.2	-21.5	5989.9		+66	+168	680,436 2,395,806
X	0				5.4	-	-5.4	-5.4	6006.0	X	0	0	680,371 2,395,638
571	159		270° 51'	+17.8	5.5	84° 20'	+15.6	+10.1	6021.5		+51	-150	680,421 2,395,488
TP	149		289° 45' 08"	+17.8	3.0	82° 30'	+19.3	+16.3		TP	+90	-117	680,461 2,395,521
TP	149				3.5	82° 20'	+19.7	+16.2	6027.6	TP			F- 346° 32' 37"
	428		166° 32' 37"	+17.8	+6.7	94° 30'	+33.5	+40.2		BS	+425	+32	
	428				+7.9	94° 20'	+32.2	+40.1	6067.7	BS			
572	160		162° 03'	+17.8	5.7	94° 20'	-12.1	-17.8	6049.9		-160	0	680,727 2,395,553

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-29-82		B. Cotcamp		D. Hamilton		6834		R.H. Jm		C.A.-7	79						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
NO. CALIF. - SIERRA		Sierra City 15'		CALIF.		SIERRA					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES Y X		REMARKS Plate Angle	
				+17.8°	Correction			Plate → Grid	6067.7								
π	0				5.4	-		-5.4	6062.3		π	0	0	680,886	2,395,553		
573	163		340° 00'	+17.8°	6.0	86° 20'	-10.4	+4.4	6072.1			+163	-6	681,049	2,395,547		
TP	430		333° 57' 38"	+17.8°	3.7	86° 50'	+23.7	+20.0	6087.7		TP	+425	-62	681,311	2,395,491		B-153° 57' 38"
TP	430				5.0	86° 40'	+25.0	+20.0			TP						F. 343° 38' 55"
	490		163° 38' 55"	+17.8°	+4.6	92° 30'	+21.4	+26.0	6113.7		BS	+489	+12				
	490				+6.1	92° 20'	+18.9	+26.0			BS						
574	430		162° 29'	+17.8°	5.4	92° 20'	77.5	22.9	6090.8			-430	-2	681,371	2,395,502		
575	100		158° 31'	+17.8°	6.7	92° 20'	-4.1	-10.8	6102.9			-100	+6	681,701	2,395,510		
π	0				5.4	-		-5.4	6108.3		π	0	0	681,800	2,395,504		APOUND
576	228		280° 26'	+17.8°	4.8	87° 30'	+9.9	5.1	6118.8			+108	-201	681,908	2,395,303		180° cor.
577	517		254° 25'	+17.8°	6.3	85° 40'	+39.0	+32.7	6146.4			+20	-515	681,820	2,394,989		
TP	580		254° 25' 40"	+17.8°	5.4	86° -	+40.4	+35.0			TP	+22	-578	681,823	2,394,926		B-74° 25' 40"
TP	580				8.8	85° 40'	+43.7	+34.9	6148.6		TP						F. 249° 57' 10"
	350		69° 57' 10"	+17.8°	+8.0	98° 20'	+50.2	+58.2	6206.8		BS	-14	-346				
	350				+7.0	98° 30'	+51.2	+58.2			BS						
578	290		19° 58'	+17.8°	3.6	96° 30'	32.6	36.2	6170.6			+228	+176	682,037	2,394,756		
579	156		337° 13'	+17.8°	5.3	96° 10'	76.7	22.0	6184.8			+155	-13	681,964	2,394,566		

SURVEY NOTES-HIGH RESOLUTION DATA  
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-29-82		B. Cotcamp		D. Hamilton		6834		R.H. J.M.		C.A.-7		80			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		Sierra City 15'		CALIF.		SIERRA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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
				+17.8	Correction		Plate → Grid		6206.8						Plate Angle
X	0				5.4	-		-5.4		6201.4	X	○	○	681,809	2,394,580
580	175		160° 35'	+17.8°	4.9	85° 10'	+14.7	+9.8		6216.6		-174	+5	681,635	2,394,584
581	505		157° 55'	+17.8°	8.6	84° 10'	+51.1	+42.5		6249.3		-501	+38	681,308	2,394,617
TP	628		158° 13' 36"	+17.8°	5.4	84° 40'	+58.1	+52.7		6259.5	TP	-624	+43	681,186	2,394,623
TP	628				7.2	84° 30'	+59.9	+52.7			TP				F-164° 34' 17"
	289		344° 34' 17"	+17.8°	+2.5	95° 30'	+27.6	+30.1	6289.6		BS	-287	-12		
	289				+5.8	94° 50'	+24.3	+30.1			BS				
582	79		347° 19'	+17.8°	5.1	94° 30'	-6.6	-11.7		6277.9		+78	+7	680,976	2,394,618
X	0				5.4	-		-5.4		6284.2	X	○	○	680,898	2,394,611
583	261		211° 35'	+17.8°	5.3	85°	+22.7	+17.4		6307.0		-169	-197	680,729	2,394,414
TP	290		211° 17' 09"	+17.8°	4.5	85° 20'	+23.5	+19.0		6308.6	TP	-189	-218	680,709	2,394,393
TP	290				5.3	85° 10'	+24.3	+19.0			TP				F-236° 239' 36' 54"
	641		59° 36' 54"	+17.8°	+12.3	94° 20'	+48.3	+60.6	6369.2		BS	-139	-624		
	641				+10.5	94° 30'	+50.1	+60.6			BS				
584	339		59° 37'	+17.8°	6.6	94° 30'	-26.5	-33.1		6336.1		+74	+330	680,643	2,394,099
585	17		" "		4.8	89° 30'	+0.1	-4.7		6364.5		+4	+17	680,573	2,393,785
X	0				5.4	-		-5.4		6363.8	X	○	○	680,570	2,393,769

ACROSS ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-29-82		B. Cotcamp		D. Hamilton		6834		R.H. Jm		C.A.-7		81			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		Sierra City 15'		CALIF.		SIERRA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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
				+17.8	Correction;	Plate →	Grid		6369.2						
sec. mark. 20			279° 30'	+17.8	3.6	87° 30'	+0.9	2.7		6366.5		+9	-18	680,579	2,393,751
	316		266° 52' 15"	+17.8	2.8	85° 20'	+25.1	+22.3		6391.5	TP	+78	-299	680,648	2,393,470
	310				3.7	85° 16'	+26.0	+22.3			TP				
	315		117° 58' 27"	+17.8	+3.4	95° 10'	+28.3	+31.7			BS	+225	-219		
	315				+4.3	95° -	+27.3	+31.6	6423.1		BS				
586	290		117° 08'	+17.8	7.4	94° 20'	21.8	29.2		6393.9		-204	+205	680,668	2,393,456
	0				5.4	-	-5.4		6417.7		X	0	0	680,873	2,393,251
587	42		328° 51'	+17.8	4.6	84° 20'	+4.1	0.5		6422.6		+41	-10	680,913	2,393,241
588	370		317° 52'	+17.8	6.6	84° 20'	+36.4	+29.8		6452.9		+335	-152	681,208	2,393,099
TP	415		315° 15' 06"	+17.8	5.6	84° 30'	+39.6	+34.0		6457.1	TP	+368	-187	681,241	2,393,064
TP	415				4.4	84° 40'	+38.4	+34.0			TP				
	289		86° 33' 36"	+17.8	+6.9	94° 30'	+22.6	+29.5	6486.6		BS	+71	-279		
	289				+7.7	94° 20'	+21.8	+29.5			BS	+1			
589	49		64° 36'	+17.8	6.7	94° 20'	3.7	10.4		6476.2		+6	+48	681,320	2,392,833
	0				5.4	-	-5.4		6481.2		X	0	0	681,313	2,392,785
590	281		243° 58'	+17.8	8.6	84° 30'	+26.8	+18.2		6504.8		-40	-277	681,273	2,392,508
591	611		242° 44'	+17.8	5.8	85° 30'	+47.8	+42.0		6528.6		-100	-601	681,213	2,392,184

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-29-82		B. Cotcamp		D. Hamilton		6834		R/H. Jm		CA-7		82			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		Sierra City 15'		CALIF.		SIERRA								# L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	-DEG	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS Plate Angle	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
				+17.8	Correction		Plate → Grid		6486.6						
592	941		241° 47'	+17.8	5.9	85° 30'	+73.6	+67.7		6554.3		-170	-923	681,144	2,391,862
593	1271		241° 57'	+17.8	7.6	85° 20'	+103.0	+95.5		6582.1		-225	-1247	681,088	2,391,538
TP	1283		241° 57' 12"	+17.8	3.8	85° 30'	+100.4	+96.6			TP	-228	-1259	681,087	2,391,526
TP	1283				7.6	85° 20'	+104.0	+96.4		6583.0	TP	+1			B-61 57' 12" F-193° 48' 59"
	280		13° 48' 59"	+17.8	+6.5	93° 30'	+17.1	+23.6			BS	-238	-147		
	280				+7.2	93° 20'	+16.3	+23.5	6606.5		BS	+1			
X	0				5.4	-	-	-5.4	6601.1		X	0	0	680,850	2,391,380
594	19		201° 30'	+17.8	5.6	83° 30'	+2.1	-3.5	6603.0			-15	-12	680,835	2,391,368
TP	310		182° 07' 05"	+17.8	3.4	87° -	+16.2	+12.8	6619.3		TP	-291	-105	680,560	2,391,274
TP	310				4.3	86° 50'	+17.1	+12.8			TP	+1			B-2 07' 05" F-
					+						BS				
					+						BS	+1	-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							
Aug. 2, 1982		R. Hulsey		D. Hamilton		6834		R.H. Jm		CA-7	83							
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER									
N. California-Sierra		Sierra City 15'	California	Sierra					L. O. Davis									
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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			
				+17.3	Correction					6619.3							Plate Angle	
				+17.3														R mag. brg. at this point - due to change of survey. There will be -0.50" corr. due to this.
313			33°33'25"	+17.3	3.3	93°40'	+20.0	+23.3	6642.6		BS	-197	-242					B-02 36 24 " to this. F-213°33'25"
					4.2	93°30'	+19.1	-23.3			BS	+2	-2					
595	270		32°57'	+17.3	3.2	93°30'	16.5	19.7	6622.9			+172	+207	680,537	2,391,237			
X	O				5.6			-5.6	6637.0		X	O	O	680,365	2,391,030			opp. side of rd.
596	72		269°05'	+17.3	1.3	90°40'	0.8	-2.1	6640.5			+20	-69	680,385	2,390,961			
597	401		272°29'	+17.3	3.1	86°20'	+25.6	+22.5	6665.1			+135	-377	680,500	2,390,653			
598	741		268°35'40"	+17.3	5.3	85°30'	+58.0	+52.7	6695.3		TP	+202	-710	680,568	2,390,318			B-88°35'40"
					3.1	85°40'	+55.8	+52.7			TP	+1	-1					F-289°26'55"
																		opp. side of rd. on curve
				+17.3	4.2	95°30'	+21.8	+26.0	6721.3		BS	+136	-183					
					3.5	95°40'	+22.5	+26.0			BS	+1	-1					
X	O				5.6			5.6	6715.7		X	O	O	680,705	2,390,135			
599	903		277°49'	+17.3	2.4	87°	+4.9	+2.5	6723.8			+39	-84	680,745	2,390,051			
	319		245°25'57"	+17.3	3.4	85°40'	+24.0	+20.6	6741.9		TP	-40	-316	680,666	2,389,818			B-65°25'57"
					4.3	85°30'	+25.0	+20.7			TP	+1	-1					F-323°03'21"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE <b>Aug. 2, 1982</b>	INSTRUMENT MAN <b>R. Hulsey</b>	ROD MAN <b>D. Hamilton</b>	PARTY NUMBER <b>6834</b>	NOTES CHECKED BY <b>R.H. Ym</b>	LINE NO. <b>CA-7</b>	PAGE <b>84</b>
AREA <b>N. California- Sierra</b>	TOPO MAP <b>Sierra City 15'</b>	STATE <b>California</b>	COUNTY <b>Sierra</b>	TWP	PARTY MANAGER <b>L.O. Davis</b>	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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				
				+17.3	Correction	Plate → Grid				6741.9									
	556		143°03'21"	+17.3	7.4	92°40'	+25.8	+33.2	6775.1		BS	+523	-187						
					9.0	92°30'	+24.2	+33.2			BS	+1	-1						
600	470		143°41'	+17.3	7.0	92°50'	23.2	30.2		6744.9		-444	+153	680746	2389783				
601	142		137°19'	+17.3	6.4	92°50'	7.0	13.4		6761.7		-128	+61	681062	2389691				
X	0				5.6			5.6		6769.5	X	0	0	681190	2389630				
602	184		295°30'	+17.3	3.1	86°50'	+10.1	+7.0		6782.1		+125	-135	681315	2389496				
	<del>540</del>		<del>288°36'16"</del>								TP								
603	510		288°36'	+17.3	3.3	86°40'	+29.6	+26.3		6801.4	TP	+299	-412	681489	2389218				opp. side of rd.
TP	540		288°36'16"	+17.3	4.2	86°30'	+32.9	+28.7		6803.8	TP	+316	-437	681507	2389193				B-108°36'16"
					2.6	86°40'	+31.3	+28.7			TP	+1	-1						F-342°08'41"
																			Traverse off line to tri-station.
	223		162°08'41"	+17.3	1.9	94°	+15.5	+17.4	6821.2		BS	+222	-2						
					1.2	94°10'	+16.2	+17.4			BS	+1	-1						
X	0				5.6			5.6		6815.6	X	0	0	681731	2389190				Set-up 1/4 T-rod (e)
TP	330		92°39'59"	+17.3	4.5	86°	+23.0	+18.5	6839.7		TP	-112	+309	681619	2389498				B-272°39'59"
					3.5	86°10'	+22.0	+18.5			TP	+1	-1						F-65°29'52"





SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE Aug. 2, 1982	INSTRUMENT MAN R. Hulsey	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY R.H. <i>fm</i>	LINE NO. CA-7	PAGE 87
AREA N. California-Sierra	TOPO MAP Sierra City 15	STATE California	COUNTY Sierra	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	COORDINATES		REMARKS Plate Angles
														Y	X	
				+17.1°	Correction:		Plate → Grid			7002.6						
247			321° 10' 49"	+17.1°	7.1	84° 40'	-22.9	-15.8	6986.8		BS	-228	+91			
					7.8	84° 30'	-23.6	-15.8			BS	-3	+1			
π	○		—————		5.6	—		-5.6		6981.2	π	○	○	682,695	2,389,894	
272			126° 24' 23"	+17.1°	5.1	98° 40'	-40.5	-45.6		6941.2	TP	-216	+160	682,476	2,390,055	
					5.9	98° 30'	-39.8	-45.7			TP	-3	+1			
331			317° 37' 13"	+17.1°	4.0	83° 40'	-36.3	-32.3	6908.9		BS	-297	+140			
					5.0	83° 30'	-37.2	-32.2			BS	-3	+1			
π	○		—————		5.6	—		-5.6		6903.3	π	○	○	682,175	2,390,196	
300			160° 59' 57"	+17.1°	3.9	94° 10'	-21.7	-25.6		6883.3	TP	-299	+10	681,873	2,390,207	
					4.8	94° —	-20.9	-25.7			TP	-3	+1			
330			33° 58' 24"	+17.1°	5.3	86° 40'	-19.2	-13.9	6869.4		BS	-207	-256			
					4.4	86° 50'	-18.2	-13.8			BS	-3	+1			
π	○		—————		5.6	—		-5.6		6863.8	π	○	○	681,663	2,389,952	
454			245° 29' 52"	+17.1°	7.6	92° 50'	-22.4	-30.0		6839.4	TP	-58	-450	681,602	2,389,503	
					8.9	92° 40'	-21.1	-30.0			TP	-3	+1			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
Aug. 2, 1982		Randy Hulseley		Don Hamilton		6834		R/H. dm		CA-7		88			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. California-Sierra		Sierra City 15		California		Sierra								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
			Plate Angles	+17.1°	Correction	Plate → Grid				6839.4					Plate Angles
	330		92° 39' 59"	+17.1°	4.5	86° -	23.0	18.5	6820.9		BS	+111	-310		
					3.5	86° 10'	22.0	18.5			BS	-3	+1		
TP	91		4° 45'	+17.1°	5.6	—	—	-5.6	6815.3		TP	0	0	681,710	2,389,195 ON LINE C/L T-RD (E)
TP	366		349° 35' 04"	+17.1°	2.4	—	—	-2.4	6818.5			+84	+34	681,795	2,389,228
					3.3	88° -	+12.8	+9.5	6830.4		TP	+363	+43	682,070	2,389,238 B-169° 35' 04"
					2.2	88° 10'	+11.7	+9.5			TP	-3	+1		F-331° 20' 35"
	565		151° 20' 35"	+17.1°	4.0	92° 10'	+21.3	+25.3	6855.7		BS	+553	-113		
					5.6	92° -	+19.7	+25.3			BS	-3	+1		
605	512		151° 20'	+17.1°	5.5	92° -	-17.9	-23.4	6832.3			-501	+103	682,119	2,389,229
606	183		" "	"	5.6	92° 00'	-6.4	-12.0	6843.7			-179	+37	682,441	2,389,163 92° - Vert. L
TP	145		340° 12'	+17.1°	5.6	—	—	-5.6	6850.1		TP	0	0	682,621	2,389,126
608	472		" "	"	3.6	88° -	+5.1	+1.5	6857.2			+145	-7	682,765	2,389,119
TP	590		338° 56' 54"	+17.1°	8.5	88° -	+16.5	+8.0	6863.7			+471	-22	683,092	2,389,104
					8.9	88° 30'	+15.4	+6.5	6862.2		TP	+588	-41	683,206	2,389,087 B-158° 56' 54"
					10.6	88° 20'	+17.2	+6.6			TP	-3	+2		F-321° 21' 20"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
Aug. 2, 1982		R. Hulsey		D. Hamilton		6834		R/H. ym		CA-7	89						
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER							
N. California-Sierra		Sierra City 15'	California	Sierra						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		
608			Plate Angles	+17.1°	Correction	Plate → Grid				6862.2							Plate Angles
	381		141° 21' 20"	+17.1°	2.4	88° 50'	-7.8	-5.4	6856.8		BS	+354	-140				
					1.3	89° -	-6.6	-5.3			BS	-3	+2				
609	168		136° 05'	+17.1°	4.6	89° -	+2.9	-7.7		6855.1		-150	+76	683,407	2,389,025		
	π	0			5.6	—		-5.6		6851.2	π	0	0	683,557	2,388,950		
610	162		307° 19'	+17.1°	10.1	—		-10.1		6846.7		+132	-94	683,689	2,388,855		1/4 trail
	TP	403	297° 36' 43"	+17.1°	4.4	92° -	-7.1	-18.5		6838.3	TP	+283	-286	683,838	2,388,665		B-117° 36' 43"
					3.2	92° 10'	-7.5	-18.4			TP	-3	+2				F-286° 26' 45"
	588		106° 26' 45"	+17.1°	4.7	87° 50'	-22.2	-17.5	6820.8		BS	+325	-490				
					3.0	88° -	-20.5	-17.5			BS	-3	+2				
611	509		106° 26'	+17.1°	3.2	88° -	+17.8	+14.6		6835.4		-281	+424	683,878	2,388,602		
612	179		" "	"	4.7	88° -	+6.2	+1.5		6822.3		-99	+149	684,061	2,388,327		
	π	0			5.6	—		-5.6		6815.2	π	0	0	684,159	2,388,178		
613	152		269° 57'	+17.1°	10.9	—		-10.9		6809.9		+45	-145	684,204	2,388,032		
	TP	349	264° 10' 56"	+17.1°	14.9	—		-14.9		6805.9	TP	+68	-342	684,225	2,387,837		B-84° 10' 56"
					13.2	BH	-1.7	-14.9			TP	-3	+2				F-243° 32' 33"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
Aug. 3, 1982		R. Hulsey		D. Hamilton		6834		Jm		CA-7		90			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. California - Sierra		Sierra City 15'		California		Sierra								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
613			Plate Angles	+17.1°	Correction	Plate → Grid			6805.9						Plate Angles
	637		63° 32' 33"	+17.1°	8.4	88° 30'	-16.7	-8.3	6797.6		BS	-104	-628		
					10.2	88° 20'	-18.5	-8.3			BS	-3	+2		
614	508		63° 32'	+17.1°	8.0	88° 20'	+14.8	+6.8	6804.4			+83	+501	684,201	2,387,712
615	178		" "	"	5.8	88° 20'	+5.2	-0.6	6797.0			+29	+176	684,147	2,387,387
	⊗		—		5.6	—		-5.6	6792.0		⊗	⊗	⊗	684,118	2,387,211
616	151		260° —	+17.1°	6.6	—		-6.6	6791.0			+19	-150	684,137	2,387,061
617	481		253° 28'	+17.1°	13.0	BH	-2.4	-15.4	6782.2			+5	-481	684,123	2,386,730
TP	631		250° 58' 21"	+17.1°	8.7	91° —	-11.0	-19.7	6777.9		TP	-21	-631	684,094	2,386,582
					6.9	91° 10'	-12.8	-19.7			TP	-3	+2		F- 224° 40' 39"
	862		44° 40' 39"	+17.1°	3.4	89° —	-15.0	-11.6	6766.3		BS	-408	-759		
					0.9	89° 10'	-12.5	-11.6			BS	-3	+2		
618	680		44° 40'	+17.1°	3.7	89° 10'	+9.9	+6.2	6772.5			+322	+599	684,005	2,386,424
619	350		" "	"	4.1	89° 10'	+5.1	+1.0	6767.3			+166	+308	683,849	2,386,133
620	20		" "	"	5.0	—		-5.0	6761.3			+9	+18	683,693	2,385,843
	⊗		—		5.6	—		-5.6	6760.7		⊗	⊗	⊗	683,683	2,385,825
TP	187 <sup>91°</sup>		242° 00' 30"	+17.1°	8.5	—		-8.5	6757.8		TP	-35	-184	683,644	2,385,643
					9.4	TH	+0.9	-8.5			TP	-4	+2		F- 260° 34' 01"

1/4 Dead-End T-Rd (N)

20' Distance

Opp. side of rd.

B- 62° 00' 30"

F- 260° 34' 01"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
Aug 3, 1982		R. Hulsey		D. Hamilton		6834		R/H. <i>Ym</i>		CA-7	91				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
N. California-Sierra		Sierra City 15'	California	Sierra					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
			Plate Angles	+17.1°	Correction	Plate	→ Grid			6757.8					Plate Angles
	632		80°34'01"	+17.1°	5.7	88°40'	74.7	-9.0	6748.8		BS	+84	-626		
					3.8	88°50'	72.9	-9.1			BS	-4	+2		
621	508		80°34'	+17.1°	3.8	88°50'	+10.3	+6.5		6755.3		-68	+503	683,657	2,385,523
622	180		74°31'	+17.1°	1.8	88°50'	+3.7	+1.9		6750.7		-5	+180	683,719	2,385,199
	<del>0</del>		<del>—</del>		5.6	<del>—</del>	<del>—</del>	-5.6		6743.2	X	0	0	683,724	2,385,019
623	150		253°46'	+17.1°	14.3	<del>—</del>	<del>—</del>	-74.3		6734.5		+2	-150	683,727	2,384,869
TP	431		246°58'02"	+17.1°	5.1	93°40'	27.5	32.6		6716.2	TP	-44	-428	683,676	2,384,593
					6.3	93°30'	26.3	32.6			TP	-4	+2		F-236°17'46"
	330		56°17'46"	+17.1°	3.0	87°30'	74.4	-11.4	6704.8		BS	-94	-316		
					2.0	87°40'	73.4	-11.4			BS	-4	+2		
624	285		55°31'	+17.1°	2.3	87°40'	+11.6	+9.3		6714.1		+85	+272	683,663	2,384,551
	<del>0</del>		<del>—</del>		5.6	<del>—</del>	<del>—</del>	-5.6		6699.2	X	0	0	683,578	2,384,280
	<del>45</del>				2.3										opp. side of rd.
625	45		252°50'	+17.1°	7.2	<del>—</del>	<del>—</del>	-7.2		6697.6		-0	-45	683,578	2,384,235
626	370		229°24'	+17.1°	4.9	93°—	79.3	24.2		6680.6		-147	-339	683,430	2,383,941
TP	410		229°17'34"	+17.1°	3.7	93°—	21.4	25.1		6679.7	TP	-164	-375	683,410	2,383,906
					4.9	92°50'	20.2	25.1			TP	-4	+2		F-238°42'12"

SURVEY NOTES-HIGH RESOLUTION DATA

GEQ-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
Aug. 3, 1982		R. Hulsey		D. Hamilton		6834		R/H. <i>Sm</i>		CA-7		92			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. California - Sierra		Sierra City 15'		California		Sierra								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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
626															Plate Angles
	590 <sup>4746</sup>		58°42'12"	+17.0	5.6	88°	20.6	15.0	6664.7	6679.7	BS	-146	-571		
					3.9	88°10'	18.9	15.0			BS	-4	+2		
627	302		58°42'	+17.0	8.3	89°10'	+4.4	3.9		6660.8		+75	+293	683,335	2,383,630
	0				5.6			5.6		6659.1	TP	0	0	683,260	2,383,337
628	34		279°	+17.0	5.1			5.1		6659.6		+15	-31	683,275	2,383,306
629	360		254°26'	+17.0	9.0			9.0		6655.7		+9	-360	683,269	2,382,977
630	687		253°33'	+17.0	8.7	90°40'	8.0	16.7		6648.0		+7	-687	683,267	2,382,650
	768		253°40'37"	+17.0	9.0	90°50'	11.2	20.2		6644.5	TP	+9	-768	683,265	2,382,571
					6.7	91°	13.4	20.1			TP	-4	+2		opp. side of rd. B-73°40'37" F-297°31'30" In curve
	350		117°31'30"	+17.0	2.7	87°30'	15.3	12.6	6631.9		BS	+245	-249		
					3.7	87°20'	16.3	12.6			BS	-4	+2		
631	92		114°27'	+17.0	1.8			-1.8		6630.1		-61	+69	683,445	2,382,393
	0				5.6			5.6		6626.3	TP	0	0	683,506	2,382,324
632	238		307°22'	+17.0	11.7	92°	8.3	20.0		6611.9		+193	-139	683,700	2,382,185
633	568		" "	"	7.2	93°	29.7	36.9		6595.0		+461	-330	683,967	2,381,993
	828		305°42'36"	+17.0	3.0	93°	43.3	46.3		6585.6		+658	-501	684,164	2,381,823

Not actual intersection  
of Jeep trail & curve  
(top of 6573)

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
Aug. 3, 1982		R. Hulsey		D. Hamilton		6834		RJH, Jm		CA-7	93					
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER						
N. California - Sierra		Sierra City 15'	California	Sierra						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	X
633															Plate Angles	
				+17.0	Correction	Plate	→ Grid		6631.9							
TP	849		306°24'52"	+17.0	6.1	92°40'	39.5	45.6		6586.3	TP	+68.1	-505	684,183	2,381,820	B- 126°24'52"
					3.6	92°50'	41.9	45.5			TP	-4	+2			F- 259°39'35"
																FOD
	379		79°39'35"	+17.0	2.8	89°20'	4.4	7.6	6584.7		BS	+4.4	-376			
					1.7	89°30'	3.3	7.6			BS	-4	+2			
	45		64°20'	+17.0	5.9	—	—	-5.9	6578.8			+7	+44	684,230	2,381,490	Reshot 8/10/82 due to changed int. RH.
634	340		79°40'	+17.0	1.9	89°30'	+3.0	+1.1	6585.8			-39	+338	684,184	2,381,784	Jeep trail int. (110°) X=2,381,490 (e.l. 657)
635	35		62°24'	+17.0	5.8	—	—	5.8	6578.9			+6	+34	684,230	2,381,480	4' 684,230
X	0		—		5.6	—	—	5.6	6579.1	X	0	0	0	684,223	2,381,446	10 (w) of trail int. corr. X+47' 21 4-97'
636	305		222°25'	+17.0	5.8	88°30'	+8.0	+2.2	6586.9			-155	-262	684,068	2,381,183	
637	635		" "	+17.0	1.8	88°30'	+16.6	+14.8	6599.5			-323	-546	683,900	2,380,899	opp. side of rd.
638	972		222°24'50"	+16.9	9.6	88°10'	+31.1	+21.5	6606.2	TP	-496	-835	683,721	2,380,604	B- 42°24'50"	
					6.8	88°20'	+28.3	+21.5			TP	-6	-6			F- 229°32'56"
	493 <sup>91°21'</sup>		49°32'56"	+16.9	5.1	91°20'	+11.5	+16.6	6622.8		BS	-197	-452			
					3.7	91°30'	+12.7	+16.6			BS	-6	-6			
639	178		42°04'	+16.9	9.9	—	—	-9.9	6612.9			+92	+153	683,610	2,380,299	
X	0		—		5.6	—	—	5.6	6617.2	X	0	0	0	683,519	2,380,147	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
Aug. 4, 1982		R. Hulsey		D. Hamilton		6834		Jm		CA-7		94				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM				
N. California - Sierra		Sierra City 15'		California		Sierra						PARTY MANAGER L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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
				+16.9°	Correction	Plate → Grid			6622.8						Plate Angles	
640	148		200°33'	+16.9°	2.4	—		-2.4		6620.4		-117	-90	683,401	2,380,057	Clear cut edge of can.
TP	316		195°12'02"	+16.9°	4.7	88°30'	+8.3	+3.6		6626.4	TP	-268	-168	683,245	2,379,973	B- 15°12'02"
					5.6	88°20'	+9.2	+3.6			TP	-6	-6			F- 236°23'17"
	160		56°23'17"	+16.9°	6.8	91°20'	+3.7	+10.5	6636.9		BS	-46	-153			
					6.3	91°30'	+4.2	+10.5			BS	-6	-6			
641	0		—		5.6	—		-5.6		6631.3	X	0	0	683,193	2,379,814	opp. side of rd. Clear cut edge of can.
642	335		269°38'	+16.9°	4.6	89°—	+5.8	+1.2		6638.1		+95	-321	683,288	2,379,492	
TP	550		269°59'59"	+16.9°	8.5	88°20'	+16.0	+7.5		6644.4	TP	+160	-526	683,347	2,379,282	B- 89°59'59"
					6.9	88°30'	+14.4	+7.5			TP	-6	-6			F- 247°46'46"
	475 <sup>9623</sup>		67°46'46"	+16.9°	12.6	—		+12.6	6657.0		BS	-44	-473			
					10.2	BH	+2.4	+12.6			BS	-6	-6			
643	361		67°47'	+16.9°	8.9	—		-8.9		6648.1		+33	+359	683,330	2,379,162	
644	31		" "	"	4.6	—		-4.6		6652.4		+3	+31	683,300	2,378,833	
X	0		—		5.6	—		-5.6		6651.4	X	0	0	683,297	2,378,803	opp. side of rd.
TP	200		277°34'36" 46"	+16.9°	14.4	—		+14.4		6642.6	TP	+83	-182	683,374	2,378,615	B- 97°34'46"
					13.4	BH	-1.0	-14.4			TP	-6	-6			F- 315°54'09"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
Aug. 4, 1982		R. Hulsey		D. Hamilton		6834		R.H. Jm		CA-7	95				
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER					
N. California-Sierra		Sierra City 15'	California	Sierra						L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	CORRECTION	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
												LAT.	DEP.		
644	547 <sup>87°36'</sup>		135°54'09"	+16.9	3.1	87°40'	22.3	19.2	6623.4	6642.6	BS	+486	-250		Plate Angles
				46.9	4.7	87°30'	23.8	19.1			BS	-6	-6		
												Plate → Grid			
645	435		135°54'	+16.9	5.5	87°30'	19.0	+13.5		6636.9		-387	+199	683,467	2,378,557
646	110		" "	"	1.9	—	—	-1.9		6621.5		-98	+50	683,756	2,378,409
	⊗		—		5.6	—	—	-5.6		6617.8	⊗	⊙	⊙	683,854	2,378,359
647	220		283°32'	+16.9	15.0	BH	-1.1	16.1		6607.3		+111	-190	683,965	2,378,169
TP	242 <sup>93°25'</sup>		282°03'56"	+16.9	2.6	93°20'	14.0	16.6		6606.8	TP	+117	-211	683,964	2,378,141
					3.3	93°10'	13.3	16.6			TP	-7	-6		B-102°03'56" F-257°17'14"
	272		77°17'14"	+16.9	2.4	88°—	9.5	-7.1	6599.7		BS	+20	-271		
					1.6	88°10'	8.7	-7.1			BS	-7	-6		
	⊗		—		5.6	—	—	-5.6		6594.1	⊗	⊙	⊙	683,977	2,377,864
648	32		239°50'	+16.9	6.5	—	—	-6.5		6593.2		-7	-31	683,969	2,377,833
TP	300 <sup>92°54'</sup>		226°42'22"	+16.9	4.8	92°50'	14.8	19.6		6580.1	TP	-133	-268	683,836	2,377,589
					5.7	92°40'	13.9	19.6			TP	-7	-7		B-46°42'22" F-261°03'25"
	607 <sup>88°14'</sup>		81°03'25"	+16.9	8.8	88°10'	19.4	10.6	6569.5		BS	+84	-601		
					7.0	88°20'	17.6	10.6			BS	-7	-7		

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
Aug. 4, 1982		R. Hulsey		D. Hamilton		6834		D.H. Jm		CA-7		96				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM				
N. California-Sierra		Sierra City 15'		California		Sierra						PARTY MANAGER L.O. Davis				
STATION NO.	270 SLOPE DISTANCE	b PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	DEC	ROD READING	VERTICAL ANGLE	a VERTICAL CHANGE	DIFFER- ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
648				+16.9°											Plate Angle	
					Correction		Plate → Grid		6569.5							
649	542		81°03'	+16.9°	6.5	88°20'	+15.8	+9.3		6578.8		-75	+537	683,838	2,377,518	
650	210		" "	"	5.4	88°20'	+6.1	+0.7		6570.2		-29	+208	683,884	2,377,189	
TP	0		—		5.6	—		-5.6		6563.9	TP	0	0	683,913	2,376,981	opp. side of rd.
651	125		295°16'	+16.9°	9.2	—		-9.2		6560.3		+84	-93	683,997	2,376,888	
TP	270 <sup>9154</sup>		287°27'53"	+16.9°	12.3	—		-12.3			TP	+152	-223	684,059	2,376,751	B-107°27'53"
					11.0	BH	-1.4	-12.4		6557.1	TP	-7	-7			F-180°59'29" Approx. location of BM (topo. 6552)
	0		0°00'	+16.9°	5.4	—		+5.4		6562.5	BS	0	0			
												-7	-7			
TP	0		—		5.4	—		-5.4		6557.1	TP	0	0	684,052	2,376,744	Cl. Rd. & curve STA. 650+
BM	2332		274°59'15"	+16.9°	8.5	81°05'05"	+357.0	+348.5	+348.3 Avg.	6910.8	TP	+859	-2138	684,903	2,374,600	Keystone Mtn. BM (topo. 6908)
					8.5	278°54'23"	+356.7	+348.2			TP	-7	-7			
K1	Keystone MTN. BM				ELEVATION	6908.0				6908.0						X&Y's corrected
	2332		0°59'29"	+16.8°	8.5	81°05'05"	-357.0	-348.5		6559.5	BS	-855	+2139			EOD <sup>x=2374,599</sup> y=684,904 corr x-95' <sub>15</sub> y-97'
			274°59'15"		<del>8.5</del>	<del>81°05'05"</del>					BS					
TP	0		—								TP	0	0	684,049	2,376,738	
TP	0		0°00'	+16.8°	5.4	—		-5.4		6554.1	TP	0	0	684,049	2,376,738	

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
Aug 5, 1982		R. Hulsey		D. Hamilton		6834		D.H. Jm		CA-7		97			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM			
N. California-Sierra		Sierra City 15'		California		Sierra						PARTY MANAGER 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	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
LAT.	DEP.	Y	X												
651	151 <sup>92°</sup>		0°59'29"	+16.8	7.0	—		+7.0	6554.1	6554.1	BS	-144	-46		Plate Angles
					6.1	BH	+0.8	+6.9	6561.0	6561.0	BS				
652	39		342°52'	+16.8	4.5	—		-4.5	6556.5	6556.5		+39	0	683,944	2,376,692
TP	0		—		5.4	—		-5.4	6555.6	6555.6	TP	0	0	683,905	2,376,692
653	290		164°04'	+16.8	8.4	—		-8.4	6552.6	6552.6		-290	-4	683,615	2,376,688
654	<del>4620</del>		" "	"	14.5	—		-14.5	6546.5	6546.5		-620	-9	683,285	2,376,683
TP	715		164°03'56"	+16.8	5.6	91°	-12.5	-18.1	6542.9	6542.9	TP	-715	-11	683,190	2,376,681
					3.5	91°10'	-14.6	-18.1			TP				B-344°03'56" F-200°03'19"
	162		20°03'19"	+16.8	1.9	89°30'	-1.4	+0.5	6543.4	6543.4	BS	-130	-97		
					1.4	89°40'	-0.9	+0.5			BS				
TP	0		—		5.6	—		-5.6	6537.8	6537.8	TP	0	0	683,061	2,376,584
655	80		219°36'	+16.8	7.8	—		-7.8	6535.6	6535.6		-44	-67	683,016	2,376,518
656	412		" "	"	4.9	92°	-14.4	-19.3	6524.1	6524.1		-220	-343	682,833	2,376,241
	529 <sup>92°07'</sup>		219°16'24"	+16.8	3.2	92°10'	-20.0	-23.2	6520.2	6520.2	TP	-295	-439	682,766	2,376,146
					4.7	92°	-18.5	-23.2			TP				B-39°16'24" F-186°27'54"

Around sharp curve

opposite of rd.

opp. side of rd.

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
Aug. 5, 1982		R. Hulsey		D. Hamilton		6834		D.H. Jm		CA-7		98			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. California-Sierra		Sierra City 15'		California		Sierra								L.O. DAVIS	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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
656				+16.8	Correction	Plate	Grid			6526.2					Plate Angles
	427		6°27'54"	+16.8	3.3	88°20'	-12.4	-9.1	6511.1		BS	-392	-169		
					4.6	88°10'	-13.7	-9.1			BS				
657	215		6°27'	+16.8	4.8	88°10'	+6.9	+2.1		6513.2		+197	+85	682,571	2,376,062
	π	0	—		5.6	—		-5.6		6505.5	π	0	0	682,374	2,375,977
658	105		211°27'	+16.8	8.6	—		-8.6		6502.5		-70	-78	682,304	2,375,899
	TP	286	212°27'18"	+16.8	4.4	92°30'	-12.5	-16.9		6494.2	TP	-186	-216	682,187	2,375,760
					5.2	92°20'	-11.6	-16.8			TP				B- 32°27'18" F- 249°45'30"
	489	87°33'	69°45'30"	+16.8	5.0	87°30'	-21.3	-16.3			BS	-29	-488		
					3.5	87°40'	-19.9	-16.4		6477.8	BS				
659	327		69°45'	+16.8	3.1	87°40'	+13.3	+10.2		6488.0		+20	+326	682,177	2,375,599
660	0		—		5.5	—		-5.5		6472.3	π	0	0	682,158	2,375,273
661	325		231°18'16"	+16.8	3.7	92°50'	-16.0	-19.7		6458.1	TP	-121	-301	682,037	2,374,972
					4.6	92°40'	-15.1	-19.7			TP				B- 51°18'16" F- 204°09'23"
	203		24°09'23"	+16.8	2.1	87°50'	-7.7	-5.6			BS	-153	-133		
					2.6	87°40'	-8.3	-5.7		6452.4	BS				

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
Aug. 5, 1982		R. Hulsey		D. Hamilton		6834		D.H. Jm		CA-7		99				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
N. California-Sierra		Sierra City 15'		California		Sierra								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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
661				+16.8	Correction	Plate	→ Grid		6452.4						Plate Angles	
π	0		—		5.6	—		-5.6		6446.8	π	0	0	681,883	2,374,839	30' past wash in rd.
662	125		175°03'	+16.8	12.0	—		-12.0		6440.4		-122	-26	681,761	2,374,813	
663	452		169°47'	+16.8	3.5	92°30'	-19.7	-23.2		6429.2		-449	-52	681,435	2,374,787	CLY-int
TP	518		169°59'48"	+16.8	4.5	92°30'	-22.6	-27.1		6425.3	TP	-514	-61	681,370	2,374,777	B-349°59'48"
					3.0	92°40'	-24.1	-27.1			TP					F-190°16'57"
	402		10°16'57"	+16.8	4.1	87°50'	-15.2	-11.1		6414.2	BS	-358	-183			
					5.3	87°40'	-16.4	-11.1			BS					
664	135		10°16'	+16.8	4.2	87°40'	+5.5	+1.3		6415.5		+120	+61	681,132	2,374,656	
π	0		—		5.6	—		-5.6		6408.6	π	0	0	681,012	2,374,594	opp. side of rd.
665	200		207°36'		13.1	—		-13.1		6401.1		-143	-140	680,869	2,374,455	
TP	474	92°07'	207°36'33"	+16.8	7.0	92°10'	-17.9	-24.9		6389.3	TP	-338	-331	680,674	2,374,263	B-27°36'33"
					8.4	92°—	-16.5	-24.9			TP					F-222°41'27"
	713	87°14'	42°41'47"	+16.8	5.4	87°10'	-35.2	-29.8		6359.5	BS	-362	-614			
					3.4	87°20'	-33.1	-29.7			BS		+2			
666	660		42°41"	+16.8	3.2	87°20'	+30.7	+27.5		6387.0		+335	+568	680,647	2,374,219	
667	330		" "	+16.8	5.4	87°20'	+15.3	+9.9		6369.4		+167	+284	680,479	2,373,935	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
Aug. 5, 1982		R. Hulsey		D. Hamilton		6834		D.H. Jm		CA-7	100						
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER							
N. California-Sierra		Sierra City 15'	California	Sierra						L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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		
				+16.8	Correction	Plate	→ Grid		6359.5								
668	0		—		5.4	—		-5.4		6354.1	X	0	0	680312	2373,651		
669	330		216°18'	+16.8	4.6	92°50'	-16.3	-20.9		6338.6		-198	-264	680,114	2373,388		
670	660		" "	"	5.1	92°50'	-32.6	-37.7		6321.8		-396	-527	679,916	2373,124	opp. side of rd.	
671	988 <sup>92°27'</sup>		216°18'22"	+16.8	9.0	92°30'	-43.1	-52.1		6307.4	TP	-593	-789	679,719	2,372,863	B-36°18'22"	
					6.1	92°40'	-45.9	-52.0			TP		+1			F-226°54'30"	
	621		46°54'30"	+16.8	8.4	87°-	-32.5	-24.1		6283.3	BS	-275	-556				
					6.6	87°10'	-30.7	-24.1			BS		+1				
672	290		46°55'	+16.8	4.0	87°10'	+14.3	+10.3		6293.6		+128	+260	679,573	2,372,568	150(s) of old 4-int.	
	X 0		—		5.5	—		-5.5		6277.8	X	0	0	679,445	2,372,308	opp. side of rd.	
673	41		219°52'	+16.8	8.2	—		-8.2		6275.1		-23	-34	679,422	2,372,274		
674	372		" "	"	10.9	92°30'	-22.7	-33.6		6249.7		-204	-310	679,241	2,371,998		
675	692		" "	"	5.8	93°30'	-42.5	-48.3		6235.0		-382	-581	679,062	2,371,727		
676	1025		" "	"	6.6	93°-	-53.6	-60.2		6223.1		-562	-855	678,882	2,371,453		
677	1350		" "	"	9.7	92°30'	-58.8	-68.5		6214.8		-741	-1127	678,704	2,371,181		
TP	1475		219°26'49"	+16.8	4.9	92°30'	-64.3	-69.2		6214.1	TP	-819	-1225	678,626	2,371,084	B-39°26'49"	
					0.6	92°40'	-68.5	-69.1			TP		+1			F-195°22'44"	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
Aug. 5, 1982		R. Hulsey		D. Hamilton		6834		D.H. Jm		CA-7	101						
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER							
N. California - Sierra		Sierra City 15'	California	Sierra						L. O. Davis							
STATION NO.	125 $\frac{a}{b}$ SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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		
677										6214.1							Plate Angles
	303	$90^{\circ}34'$	$15^{\circ}22'44''$	+16.8	6.9	$90^{\circ}30'$	+2.6	+9.5	6223.6		BS	-256	-161				
					6.0	$90^{\circ}40'$	+3.5	+9.5			BS		+1				
678	105		$359^{\circ}44'$	+16.8	6.2	$96^{\circ}40'$	-1.2	-7.4		6216.2		+101	+30	678,470	2,370,953		
	$\pi$ 0				5.6			-5.6		6218.0	$\pi$ 0	0	0	678,370	2,370,923		opp. side of rd.
679	236		$226^{\circ}53'$	+16.8	2.4	$88^{\circ}30'$	+6.2	+3.8		6227.4		-105	-211	678,265	2,370,712		
	TP 448		$226^{\circ}52'53''$	+16.8	6.7	$88^{\circ}30'$	+11.7	+5.0		6228.6	TP	-199	-401	678,171	2,370,523		B- $46^{\circ}52'53''$
					8.0	$88^{\circ}20'$	+13.0	+5.0			TP		+1				F- $223^{\circ}30'27''$
	881		$43^{\circ}30'27''$	+16.8	2.3			+2.3		6230.9	BS	-436	-765				
					6.7	TH	-4.4	+2.3			BS		+1				
680	760		$43^{\circ}05'$	+16.8	2.5			-2.5		6228.4		+381	+657	678,116	2,370,416		
681	430		" "	"	6.0	BH	-2.2	-8.2		6222.7		+216	+372	677,950	2,370,131		
682	100		" "	"	6.3	BH	-0.5	-6.8		6224.1		+50	+87	677,785	2,369,845		
	$\pi$ 0				5.5			-5.5		6225.4	$\pi$ 0	0	0	677,735	2,369,759		
683	225		$232^{\circ}17'$	+16.8	2.4	$89^{\circ}$	+3.9	+1.5		6232.4		-80	-210	677,654	2,369,549		
684	553		$231^{\circ}50'55''$	+16.8	0.9	$87^{\circ}40'$	+22.5	+21.6		6252.5	TP	-201	-515	677,533	2,369,245		B- $51^{\circ}50'55''$
					1.5	$87^{\circ}36'$	+23.1	+21.6			TP		+1				F- $223^{\circ}10'28''$

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
Aug. 5, 1982		R. Hulsey		D. Hamilton		6834		D. H. Jm		CA-7		102			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. California-Sierra		Sierra City 15'		California		Sierra								L. O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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
684				+16.8	Correction	Plate	→ Grid			62525					Plate Angles
	499 <sup>92°15'</sup>		43°10'28"	+16.8	6.2	92°10'	+18.9	+25.1	6277.6		BS	-250	-432		
					4.8	92°20'	+20.3	+25.1			BS		+1		
685	170		39°12'	+16.8	4.9	92°20'	-6.9	-11.8		6265.8		+95	+141	677,379	2,368,955
	π	○	—		5.6	—		-5.6		6272.0	π	○	○	677,284	2,368,814
686	160		230°32'	+16.8	5.7	85°	+13.9	+8.2		6285.8		-61	-147	677,222	2,368,667
687	490		" "	"	4.7	85°	+42.5	+37.8		6315.4		-188	-450	677,096	2,368,364
	TP	585 <sup>87°56'</sup>	230°32'06"	+16.8	3.5	85°10'	+49.1	+45.6		6323.2	TP	-225	-538	677,059	2,368,278
					1.8	85°20'	+47.4	+45.6			TP		+1		B- 50°32'06" F- 249°37'49"
	270		69°37'49"	+16.8	2.3	95°40'	+26.5	+28.8		6352.0		BS	-17	-268	
					3.1	95°30'	+25.8	+28.9				BS		+1	
688	35		69°38'	+16.8	9.1	—		-9.1		6342.9		+2	+35	677,045	2,368,045
	π	○	—		5.6	—		-5.6		6346.4	π	○	○	677,043	2,368,011
689	295		258°01'04"	+16.8	2.3	85°40'	+22.2	+19.9		6371.9	TP	+25	-293	677,067	2,367,718
					3.2	85°30'	+23.1	+19.9			TP		+1		B- 78°01'04" F- 210°35'27"
	212 <sup>92°14'</sup>		30°35'27"	+16.8	3.3	92°10'	+8.0	+11.3		6383.2		BS	-143	-156	
					2.7	92°20'	+8.6	+11.3				BS	-1	+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							
Aug. 5, 1982		R. Hulsey		D. Hamilton		6834		D.H. Jm		CA-7		103							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
N. California-Sierra		Sierra City 15'		California		Sierra								L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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				
				+16.8	Correction	Plate	→ Grid		6383.2										Plate Angles
690	115		186°20'17"	+16.8	5.6	—	—	-5.6	6377.6	6375.5	X	0	0	676,923	2,367,564				
TP	306	3.7 93°-	186°20'17"	+16.8	7.7	—	—	-7.7	6375.5	6363.4	TP	-106	-45	676,817	2,367,518				
					3.8	93°	-16.0	-19.8	6363.4	6363.4	TP	-281	-120	676,641	2,367,444				B-6°20'17"
					2.9	93°10'	-16.9	-19.8			TP	-1	+1						F-172°58'48"
	303	87°55' 2.6 87°50'	352°58'48"	+16.8	2.9	87°50'	-11.4	-8.5	6354.9	6354.9	BS	-298	-5						
					3.8	87°40'	-12.3	-8.5			BS	-1	+1						
691	170		349°58'	+16.8	5.0	87°40'	+6.9	+1.9	6356.8	6356.8		+169	+20	676,510	2,367,414				
X	0		—		5.6	—	—	-5.6	6349.3	6349.3	X	0	0	676,342	2,367,394				opp side of rd.
692	175		219°—	+16.8	6.2	92°20'	-7.1	-13.3	6341.6	6341.6		-98	-145	676,243	2,367,249				@ scenic overlook
TP	436	2.5 92°20'	218°59'25"	+16.8	2.7	92°20'	-17.7	-20.4	6334.5	6334.5	TP	-245	-360	676,096	2,367,035				B-38°59'25"
		430			1.4	92°30'	-19.0	-20.4			TP	-1	+1						F-228°29'45"
	524	7.5 86°20'	48°29'45"	+16.8	7.2	86°20'	-33.4	-26.2			BS	-219	-475						EOD
					8.7	86°10'	-35.0	-26.3	6308.2	6308.2	BS	-1	+1						
693	455		48°30'	+16.8	8.9	86°10'	+30.3	+21.4	6329.6	6329.6		+190	+412	676,066	2,366,973				
694	125		" "	"	8.9	86°10'	+8.3	-0.6	6307.6	6307.6		+52	+113	675,928	2,366,674				
X	0		—		5.6	—	—	-5.6	6302.6	6302.6	X	0	0	675,876	2,366,561				

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
Aug. 6, 1982		R. Hulsey		D. Hamilton		6834		D.H. Am		CA-7		104			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM			
N. California-Sierra		Sierra City 15'		California		Sierra						PARTY MANAGER 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
				+16.8°	Correction;	Plate → Grid			6308.2						
695	202		212° 06'	+16.8°	5.8	92° 50'	-10.0	-15.8		6292.4		-133	-152	675,743	2,366,409
696	532		" "	"	10.4	91° 50'	-17.0	-27.4		6280.8		-350	-401	675,526	2,366,160
TP	714	91° 20' 5.2 91° 36'	210° 35' 30"	+16.8°	5.2	91° 36'	-19.9	-25.1			TP	-483	-525	675,392	2,366,036
					12.7	91° -	-12.5	-25.2		6283.0	TP	-1	+1		
	543	8.0 90° 40'	32° 16' 45"	+16.8°	8.1	90° 40'	+6.3	+14.4			BS	-356	-410		
					9.6	90° 30'	+4.7	+14.3		6297.3	BS	-1	+1		
697	401		33° 49'	+16.8°	12.2	90° 30'	-3.5	-15.7		6281.6		+254	+310	675,290	2,365,937
698	72		26° 05'	+16.8°	7.9	—	—	-7.9		6289.4		+53	+49	675,088	2,365,676
X	0		—		5.6	—	—	-5.6		6291.7	X	0	0	675,035	2,365,627
699	260		228° 12'	+16.8°	6.6	88° 40'	+6.0	-0.6		6296.7		-110	-236	674,925	2,365,391
<del>700</del>	606	8.3 88° 40'	228° 11' 43"	+16.8°	8.4	88° 40'	+14.1	+5.7		6303.0	TP	-256	-549	674,778	2,365,079
					6.6	88° 50'	+12.3	+5.7			TP	-1	+1		
	212	91° 04' 6.3 91° -	72° 39' 34"	+16.8°	6.3	91° -	+3.7	+10.0		6313.0	BS	-2	-212		
					5.7	91° 10'	+4.3	+10.0			BS	-1	+1		
X	0		—		5.5	—	—	-5.5		6307.5	X	0	0	674,775	2,364,868
701	102		272° 34'	+16.8°	1.9	91° 10'	-2.1	-4.0		6309.0		+34	-96	674,809	2,364,772

3' from large stump  
opp. side of rd.  
B- 30° 35' 30"  
F- 212° 16' 45"

opp. side of rd.  
opp. side of rd.  
B- 48° 11' 43"  
F- 252° 39' 34"

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Geosource Inc.

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Aug. 6, 1982		R. Hulsey		D. Shabaldeen		6834		D.H. Jm		CA-7	105				
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER					
N. California - Sierra		Sierra City 15'	California	Sierra						L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS K TP	COORDINATES		REMARKS Plate Angles	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
				+16.8°	Correction		Plate → Grid		6313.0						
TP	319	4.4 91°30'	266°30'02"	+16.8°	5.4 91°30'	-8.3	-13.7		6299.3	TP	+73	-310	674,847	2,364,559	B- 86°30'02" F- 210°30'43"
					6.3 91°20'	-7.4	-13.7			TP	-1	+1			
	442														
	434	2.5 87°40'	30°30'43"	+16.8°	3.0 87°40'	-17.7	-14.7		6284.6	BS	-294	-319			
					1.7 87°50'	-16.4	-14.7			BS	-1	+1			
702	330		26°44'	+16.8°	12.8 86°20'	+21.1	+8.3		6292.9		+239	+227	674,791	2,364,468	
703	0				5.5		-5.5		6279.1	K	0	0	674,552	2,364,241	opp. side of rd.
704	328	92°34' 6.2 92°30'	241°13'20"	+16.8°	6.0 92°30'	-14.3	-20.3		6264.3	TP	-68	-321	674,483	2,363,921	B- 61°13'20" F- 190°27'50"
					5.1 92°40'	-15.2	-20.3			TP	-1	+1			
	582	5.4 89°50'	10°27'50"	+16.8°	6.0 89°50'	-1.7	+4.3		6268.6	BS	-517	-267			
					4.3		+4.3			BS	-1	+1			
705	258		8°03'	+16.8°	4.2		-4.2		6264.4		+234	+108	674,199	2,363,764	
K	0				5.5		-5.5		6263.1	K	0	0	673,965	2,363,656	
			<del>178°37'34"</del>												
TP	388	6.9 91°50'	178°37'34"	+16.8°	7.4 91°50'	-12.4	-19.8		6248.8	TP	-374	-103	673,590	2,363,554	B- 358°37'34" F- _____
					6.3 92°	-13.5	-19.8			TP	-1	+1			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
Aug. 6, 1982		R. Hulsey		D. Shabaldeen		6834		M.H. gm		CA-7	106				
AREA		TOPO MAP		STATE		COUNTY		TWP		PARTY MANAGER					
N. California-Sierra		Sierra City 15'		California		Sierra				L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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
				+16.8°	Correction; Plate → Grid					6248.8					
	0		0° 00'	+16.8	5.4	—		+5.4	6254.2		BS	0	0		
					4.9						BS	-1	+1		
706	319		356° 14'	+16.8	4.8	88° -	+11.1	+6.3		6260.5		+311	+72	673,900	2,363,627
	X	0	—		5.4	—		-5.4		6248.8	X	0	0	673,589	2,363,555
707	70		269° 10'	+16.8	8.2	—		-8.2		6246.0		+19	-67	673,609	2,363,487
708	370		224° 10'	+16.8	7.6	91° 20'	-8.6	-16.2		6238.0		-180	-323	673,410	2,363,231
<del>708</del>	609	10.5 90° 30'	224° 56' 53° 45'	+16.8	11.3	90° 30'	-5.3	-16.6			TP	-289	-536	673,300	2,363,019
					11.4	269° 30'	-5.3	-16.7		6237.5	TP	-1	+1		
	700	91° 06'	51° 53' 07"	+16.8	7.8	91° 10'	+14.3	+22.1			BS	-254	-652		
					9.8	91° -	+12.2	+22.0		6259.5	BS	-5			
709	605		51° 53'	+16.8	10.1	91° -	-10.6	-20.7		6238.8		+220	+564	673,260	2,362,931
710	275		" "	"	8.6	91° -	-4.8	-13.4		6246.1		+100	+256	673,140	2,362,624
	X	0	—		5.6	—		-5.6		6253.9	X	0	0	673,040	2,362,367
711	55		229° 39'	+16.8	5.6	—		-5.6		6253.9		-22	-50	673,018	2,362,317
TP	266		228° 14' 37"	+16.8	4.3	92° 10'	-10.0	-14.3		6245.2	TP	-112	-241	672,923	2,362,126
					3.5	92° 20'	-10.8	-14.3			TP	-5			

100' opp side of rd  
on curve  
copy  
x+29,  
y-16,  
Rd. int. (N) x=2,363,020  
E.O.D. y=673,300  
B-44° 53' 45"  
F-231° 53' 07"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
Aug. 9, 1982		R. Hulsey		J. Bechwar		6834		D.H. Jm		CA-7	107						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
N. California - Sierra		Sierra City 15'	California	Sierra					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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS	
														Y	X		
711			Plate Angles							6245.2							Plate Angles
	417		64° 44' 28"	+16.8°	6.1	85° 40'	-31.4	-25.3	6219.9		BS	-61	-411				
					7.3	85° 30'	-32.6	-25.3			BS	-5					
712	297		61° 49'	+16.8°	1.7	86° 30'	+18.1	+16.4		6236.3		+59	+291	672,915	2,362,006		opp. side of rd.
	X	O			5.6	—		-5.6		6214.3	X	O	O	672,857	2,361,715		CL T-RD (S)
713	33		255° 49'	+16.8°	6.6	—		-6.6		6213.3		+2	-33	672,858	2,361,682		opp. side of rd.
TP	350		233° 38' 36"	+16.8°	7.8	92° 40'	-16.3	-24.1		6195.8	TP	-117	-329	672,735	2,361,386		B-53° 38' 36" F-242° 13' 40"
					8.8	92° 30'	-15.3	-24.1			TP	-5					
	491		62° 13' 40"	+16.8°	6.2	85° 40'	-37.0	-30.8			BS	-93	-481				
					4.7	85° 50'	-35.6	-30.9	6164.9		BS	-5					
714	483		60° 50'	+16.8°	10.2	85° 20'	+39.2	+29.0		6193.9		+103	+470	672,740	2,361,375		
715	155		55° 56'	+16.8°	4.0	88° -	+5.4	+1.4		6166.3		+46	+148	672,683	2,361,053		
	X	O			5.6	—		-5.6		6159.3	X	O	O	672,637	2,360,905		30' opp. side of rd. in brush.
716	199		289° 39' 24"	+16.8°	11.7	91° 30'	-5.2	-16.9		6148.0		+118	-160	672,755	2,360,745		
717	527		289° 38' 47"	+16.8°	8.1	92° -	-18.4	-26.5		6138.4	TP	+313	-424	672,944	2,360,482		B-109° 38' 47" BF-261° 54' 08"
					6.6	92° 10'	-19.9	-26.5			TP	-5	+1				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
Aug. 9, 1982		R. Hulsey		J. Bechwar		6834		DH Jm		CA-7	108						
AREA		TOPO MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER							
N. California-Sierra		Sierra City 15'	California	Sierra						L.O. Davis							
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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		
717										6138.4							Plate Angles
	330 <sup>89°06'</sup>		81°54'08"	+16.8	Correction		Plate → Grid										
				+16.8	2.3	89°10'	-4.8	-2.5			BS	+50	-326				
					3.2	89°-	-5.8	-2.6	6135.8		BS	-5	+1				
718	0		—		5.5	—		-5.5		6130.3	X	0	0	672,989	2,360,157		
719	327		256°22'	+16.8	9.7	92°-	-11.4	-21.1		6114.7		+18	-326	673,007	2,359,831		
TP	460 <sup>93°14'</sup>		254°04'45"	+16.8	3.7	93°10'	-25.4	-29.1		6106.7	TP	+7	-459	672,991	2,359,699	B-74°04'45"	F-245°10'53"
					5.1	93°-	-24.0	-29.1			TP	-5	+1				
	391		65°10'53"	+16.8	3.0	88°10'	-12.5	-9.5	6097.2		BS	-55	-387				
					4.2	88°-	-13.6	-9.4			BS	-5	+1				
720	191		65°11'	+16.8	6.0	88°-	+6.7	+0.7		6097.9		+27	+189	672,959	2,359,502		
X	0		—		5.5	—		-5.5		6091.7	X	0	0	672,932	2,359,313	opp. side of rd.	30'(N) of brg. tree
721	137		256°37'	+16.8	12.3	—		-12.3		6084.9		+8	-137	672,940	2,359,176		
TP	199		251°32'34"	+16.8	1.9	93°40'	-12.7	-14.6		6082.6	TP	-6	-199	672,921	2,359,116	B-71°32'24"	F-239°24'20"
					1.3	93°50'	-13.3	-14.6			TP	-5	+1				
	276 <sup>88°54'</sup>		59°24'20"	+16.8	9.7	88°50'	-5.6	+4.1	6086.7		BS	-66	-268				
					8.9	89°-	-4.8	+4.1			BS	-5	+1				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
Aug. 9, 1982		R. Hulsey		J. Bechwar		6834		Jm B.C.		CA-7		109				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
N. California - Sierra		Sierra City 15'		California		Sierra								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH -	EAST + WEST -		Y	X
421			Plate Angle												Plate Angles	
				+16.8	Correction	Plate	→ Grid		6086.7							
<del>722</del>	0		—		5.5	—		-5.5		6081.2	T	0	0	672,850	2,358,849	opp. side of rd.
<del>723</del>	325		265°24'	+16.8°	2.9	93°-	-17.0	-19.9		6066.8		+69	-317	672,919	2,358,531	
TP	396		264°25'31"	+16.8°	7.2	92°40'	-18.4	-25.6			TP	+77	-388	672,922	2,358,462	B- 84° 25' 31"
					8.4	92°30'	-17.3	-25.7		6061.0	TP	-5	+1			F- 230° 00' 22"
	722 <sup>1051</sup>		50°00'22"	+16.8°	4.0	91°-	+12.6	+16.6	6077.6		BS	-284	-664			
					1.9	91°10'	+14.7	+16.6			BS	-6	+1			
<del>721</del>	608		48°06'	+16.8°	8.6	91°30'	-15.9	-24.5		6053.1		+258	+550	672,890	2,358,349	4-way int. approx. loc. T. rd (S) (Top 6050)
<del>724</del>	470		47°40'	+16.8°	7.2	92°30'	-20.5	-27.7		6049.9		+202	+424	672,834	2,358,223	X=2,358,350' Corr Y=672,890 X + 8'
<del>725</del>	145		37°37'	+16.8°	8.7	96°10'	-15.5	-24.2		6053.4		+84	+117	672,716	2,357,916	4-66'
	T 0		—		5.5	—		-5.5		6072.1	T	0	0	672,632	2,357,799	
<del>726</del>	188		189°40'	+16.8°	12.0	81°10'	+28.5	+16.5		6094.1		-166	-83	672,466	2,357,716	
TP	405		187°45'37"	+16.8°	7.0	84°20'	+39.8	+32.8		6110.4	TP	-367	-168	672,265	2,357,633	B- 7° 45' 37"
					5.8	84°30'	+38.6	+32.8			TP		+2			F- 222° 43' 43"
	451		42°43'43"	+16.8°	11.2	88°-	-15.7	-4.5			BS	-229	-388			
					9.8	88°10'	-14.4	-4.6	6105.8		BS	-1	+2			

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
Aug. 9, 1982		R. Hulsey		J. Bechwar		6834		Jm B.C.		CA-7		110			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. California-Sierra		Sierra City 15'		California		Sierra								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angle	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
				+16.8	Correction	Plate → Grid			6105.8						
727	330		42° 44'	+16.8	4.9	88° 10'	+10.6	3.7		6111.5		+167	+284	672,203	2,357,531
728	0		—		5.6	—	—	3.6		6100.2	X	0	0	672,036	2,357,247 opp. side of rd.
729	330		249° 57'	+16.8	8.8	92° 20'	13.4	22.2		6083.6		-19	-329	672,017	2,356,918
TP	432		249° 54' 03"	+16.8	4.0	92° 50'	-21.3	-25.3			TP	-25	-431	672,010	2,356,818 B-69° 54' 03" F-221° 51' 18"
					2.8	93° -	-22.6	-25.4		6080.4	TP	-1	+2		
	234		41° 51' 18"	+16.8	2.1	87° 50'	-8.8	-6.7		6073.7	BS	-122	-200		
					2.8	87° 40'	-9.5	-6.7			BS	-1	+2		
730	0		—		5.5	—	—	3.5		6068.2	X	0	0	671,887	2,356,621 opp. side of rd.
TP	257	92° 56'	237° 21' 23"	+16.8	5.7	92° 50'	-12.7	-18.4		6055.3	TP	-70	-247	671,816	2,356,376 B-57° 21' 23" F-258° 17' 37"
					6.4	92° 40'	-11.9	-18.3			TP	-1	+2		
	511	86° 17'	78° 17' 37"	+16.8	3.5	86° 50'	-28.2	-24.7		6030.6	BS	+45	-508		
					2.0	87° -	-26.7	-24.7			BS	-1	+2		
731	443		77° 55'	+16.8	2.4	87° -	+23.2	+20.8		6051.4		-36	+441	671,824	2,356,311
732	117		" "	"	2.0	87° -	+6.1	+4.1		6034.7		-10	+116	671,851	2,355,986
X	0		—		5.2	—	—	3.2		6025.4	X	0	0	671,861	2,355,870 10' off rd.
733	207		262° 47'	+16.8	10.7	94° -	14.4	25.1		6005.5		+34	-204	671,895	2,355,666

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
Aug. 10, 1982		R. Hulsey		J. Bechwar		6834		D.H. Jon		CA-7	111				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
N. California-Sierra		Sierra City 15'		California		Sierra					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH Plate Angles	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
				+16.8°	Correction;	Plate	→ Grid		6030.6						
734	521		255°36'	+16.8°	10.2	94°-	36.3	46.5		5984.1		+22	-519	671,882	2,355,350
735	814	94°08'	242°12'18"	+16.8°	9.5	94°-	-56.6	-66.1		5964.5	TP	-155	-797	671,705	2,355,075
					7.1	94°10'	-59.0	-66.1			TP	-1	+2		B-62°12'18" F-226°12'11"
	261		46°12'11"	+16.8°	6.4	84°10'	-26.4	-20.0		5944.5	BS	-118	-231		
					5.6	84°20'	-25.6	-20.0			BS	-1	+2		
π	0		—		4.9	—		4.9		5939.6	π	0	0	671,586	2,354,845
736	82		280°57'	+16.8°	12.7	—		12.7		5931.8		+38	-73	671,624	2,354,773
737	417		" "	"	9.0	95°-	36.2	45.2		5899.3		+193	-368	671,779	2,354,478
TP	491		280°57'12"	+16.8°	7.8	95°-	-42.6	-50.4		5894.1	TP	+228	-433	671,813	2,354,414
					6.3	95°10'	-44.0	-50.3			TP	-1	+2		100°57'12" B- F-255°11'12"
	322	85°34'	<del>255</del> 75°11'12"	+16.8°	2.5	85°30'	-25.2	-22.7		5871.4	BS	+11	-321		
					1.6	85°40'	-24.3	-22.7			BS	-1	+2		
738	71		75°11'	+16.8°	4.4	85°40'	+5.3	+0.9		5872.3		-2	+71	671,820	2,354,166
π	0		—		5.5	—		5.5		5865.9	π	0	0	671,823	2,354,096
739	258		240°43'	+16.8°	7.9	95°-	22.4	30.3		5841.1		-56	-251	671,767	2,353,845

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
Aug. 10, 1982		R. Hulsey		J. Bechwar		6834		Jim B.C.		CA-7		112			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. California-Sierra		Sierra City 15'		California		Sierra								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
739			Plate Angle						5871.4						Plate Angles
	357		240° 10' 57"	+16.8°	2.6	95° 40'	-35.1	-37.7	5833.7						B- 60° 10' 57" F- 244° 51' 06"
					1.5	95° 50'	-36.1	-37.6		TP	-1	+2	671,742	2,353,752	
	468		64° 51' 06"	+16.8°	6.1	84° 30'	-44.6	-38.5	5795.1						
					4.7	84° 40'	-43.3	-38.6		BS	-1	+3			
740	245		64° 51'	+16.8°	6.9	84° 40'	+22.7	+15.8	5810.9			+35	+241	671,709	2,353,535
<del>741</del>	<del>90</del>		—		5.5	—		-5.5	5789.6	X	0	0	671,673	2,353,294	opp. side of rd.
741	90		271° 54'	+16.8°	11.1	—		11.1	5784.0		+29	-85	671,702	2,353,208	
TP	258	94° 45'	264° 19' 51"	+16.8°	5.7	94° 40'	-20.9	-26.6	5768.5						B- 84° 19' 51" F- 237° 05' 23"
					4.9	94° 50'	-21.7	-26.6		TP	-1	+3	671,722	2,353,044	
	279		57° 05' 23"	+16.8°	7.4	84° 40'	-25.8	-18.4	5750.1						
					6.6	84° 50'	-25.0	-18.4		BS	-1	+3			
742	128		48° 26'	+16.8°	4.9	84° 50'	+11.5	+6.6	5756.7		+53	+116	671,697	2,352,896	
<del>743</del>	<del>202</del>		—		5.6	—		-5.6	5744.5	X	0	0	671,644	2,352,780	
743	202	95° 34'	195° 30' 24"	+16.8°	2.2	95° 30'	-19.3	-21.5	5728.6						B- 15° 30' 24" F- 199° 56' 48"
					1.6	95° 40'	-19.8	-21.4		TP	-1	+3	671,473	2,352,676	



SURVEY NOTES-HIGH RESOLUTION DATA  
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
8-16-82		B. Colcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	114			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
NO. CALIF. - SIERRA		Downieville - 715'		CALIF.		SIERRA					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.	
				+16.8	Correction		Plate → Grid			5600.2				
	○		0° 00'	+16.8	5.5	—		+5.5	5605.2		BS	0-1	0+3	
X	○		—		5.5	—					X	○	○	670,449 2,351,550 Sta. 748+
Y	178		226° 53'	+16.8	3.4	90° 30'	-1.6	-5.0		5600.7	TP	-79	-160	670,370 2,351,391 Y-int. Corr.
Y	178				3.9	90° 20'	-1.0	-4.9			TP			x=2,351,390 x+49' y=670,370 y-19'
														X & Y corrected @ this point
748+	0		0° 00' 00"											
748+	0													
Y	0				+ 5.2	Hi		+5.2	5605.9		X	○	○	670,370 2,351,390
749	121		180° 03' (243° 52')		4.5	87° 40'	+4.9	+0.4		5606.3		-53	-109	670,317 2,351,281
750	450		174° 53' (238° 42')		7.5	85° 40'	+33.9	+26.4		5632.3		-233	-383	670,137 2,351,007
TP	664.50		174° 22' 00"		4.7	86° 20'	+42.4	+37.7	+37.6	5643.5	TP	-350	-563	670,019 2,350,827
TP	664.50		(238° 10' 37")		4.9	273° 40'	+42.4	+37.5	AVG		TP	-1.30		
Y			0° 00' 00"					+5.0	5648.5		BS	0	0	
TP	0				+ 5.0	Hi					X	○	○	670,019 2,350,827
751	118		173° 58' (232° 09')		6.1	89° -	+2.1	-4.0		5644.5		-72	-93	669,947 2,350,733
752	445		172° 13' (230° 24')		7.0	89° 30'	+3.9	-3.1		5645.4		-284	-343	669,735 2,350,484

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-16-82		B. Cotcamp		O. Hamilton		6834		D.H. Jm		C.A.-7		115				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF. - SIERRA		Downieville-15'		CALIF.		SIERRA								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
									5648.5							
753	775		172° 01' (230° 12')		5.1	-		-5.1		5643.4		-496	-595	669,523	2,350,231	
754	1105		172° 17' (230° 28')		2.8	-		-2.8		5645.7		-703	-852	669,316	2,349,974	
TP	1386.81	1386.7	172° 08' 58"		8.1	89° 30'	+16.2	+8.1	+7.9	5656.4	TP	-885	-1067	669,131	2,349,759	
TP			(230° 19' 35")		8.4	270° 40'	+16.2	+7.8	Avg.		TP	-2.71				
TP754 <sup>+</sup>			0° 00' 00"					+5.0	5661.4		BS	0	0	669,131	2,349,759	
TP754 <sup>+</sup>	π				+ 5.0	Mi					π	0	0	669,131	2,349,759	ACROSS ROAD
755	40		196° 05' (246° 25')		5.1	85° -	+3.5	-1.6		5659.8		-16	-37	669,115	2,349,723	
756	365		166° 16' (216° 36')		3.7	86° -	+25.4	+21.7		5683.1		-292	-217	668,839	2,349,542	
TP	663.84	662.2	175° 39' 36"		7.8	86° -	+46.2	+39.4	+39.3	5700.7	TP	-460	-476	668,670	2,349,283	
TP	663.88		(225° 59' 11")		7.0	274° -	+46.2	+39.2			TP	-1.30				
TP754 <sup>+</sup>	⊙		0° 00' 00"					+5.1	5705.8			0	0			
TP756 <sup>+</sup>	0				+ 5.1	Mi					π	0	0	668,670	2,349,283	
757	35		249° 49' (295° 48')		6.2	91° -	0.6	-6.8		5699.0		+15	-32	668,685	2,349,251	
TP	140	140	223° 05' 56"		9.7	-		-9.7	-1.8	5696.0	TP	-2	-140	668,672	2,349,143	
TP	140		(269° 05' 01")		9.8	270° 00'		-9.8	Avg.		TP	-0.27				
TP756 <sup>+</sup>	0		0° 00' 00"									0	0			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-16-82		B. Cotcamp		D. Hami, Hon		6834		0.4, Jon		C.A.-7		116			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		Downieville-15'		CALIF.		SIERRA								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
										5696.0					
TP757 <sup>+</sup>	0			+	5.2	Hi		+5.2	5701.2		π	0	0	668,667	2,349,143
758	223		194° 42' (283° 47')		8.5	91° -	-3.9	-12.4		5688.8		+53	-217	668,720	2,348,926
759	542		189° 10' (278° 15')		7.7	89° -	-9.5	-17.2		5684.0		+78	-536	668,745	2,348,607
760	869		191° 57' (281° 02')		12.1	87° 10'	-42.9	-55.0		5646.2		+166	-852	668,833	2,348,291
TP	991.24	990.3	192° 52' 52"		5.0	87° 30'	+43.3	+38.3	+38.1	5739.3	TP	+205	-969	668,870	2,348,174
TP	991.25		(281° 57' 59")		5.3	272° 30'	+43.3	+38.0			TP	-1.94			
TP 757 <sup>+</sup>			0° 00' 00"								BS	0	0		
TP760 <sup>+</sup>	0			+	5.2	Hi		+5.2	5744.5		π	0	0	668,870	2,348,174
761	198		159° - (260° 58')		5.4	88° -	+6.9	+1.5		5746.0		-31	-195	668,839	2,347,979
762	528		157° 10' (259° 08')		5.0	88° -	+18.4	+13.4		5757.9		-99	-518	668,771	2,347,656
TP	763.20	762.9	154° 53' 00"		10.9	88° 20'	+22.2	+11.3	+11.2	5755.7	TP	-174	-743	668,695	2,347,431
TP	763.22		(256° 50' 59")		11.1	271° 40'	+22.2	+11.1	AVG.		TP	-1.49			
760 <sup>+</sup>			0° 00' 00"									0	0		
TP762 <sup>+</sup>	0			+	5.2	Hi		+5.2	5760.9		π	0	0	668,695	2,347,431
763	93		190° 15' (267° 06')		8.9	91° -	-1.6	-10.5		5750.4		-5	-93	668,691	2,347,338
764	422		192° 15' (269° 06')		9.8	91° 30'	-11.0	-20.8		5740.1		-7	-422	668,689	2,347,010
765	751		195° 01' (271° 52')		4.0	91° -	-13.1	-17.1		5743.8		+25	-750	668,720	2,346,681

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-16-82	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Hamilton	PARTY NUMBER	6834	NOTES CHECKED BY	D.H. Jm	LINE NO.	C.A.-7	PAGE	117
AREA	NO. CALIF.-SIERRA	TOPO MAP	DOWNTOWNEVILLE-15'	STATE	CALIF.	COUNTY	SIERRA	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.	
									5760.9					
TP	845.96	845.93	194° 27' 18"		6.0	90° 30'	-7.4	-13.4	-13.6	5747.3	TP	+19	-846	668,713 2,346,586
TP	845.93		(271° 18' 17")		6.3	269° 30'	-7.4	-13.7		AVG.		TP	-1.65	
762TP			0° 00' 00"									0	0	
TP765+	0				+ 5.3	Hi		+5.3	5752.6		π	0	0	668,713 2,346,586
766	243		206° 21' (297° 39')		6.7	87° 20'	+11.3	+4.6		5757.2			+113	-215
767	572		205° 40' (296° 58')		6.3	87° 30'	+24.9	+18.6	5771.2			+259	-509	668,972 2,346,076
TP	619.15	618.6	205° 10' 54"		5.0	87° 40'	+25.2	+20.2	+20.1	5772.7	TP	+276	-554	668,988 2,346,032
TP	619.18		(296° 29' 11")		5.2	272° 20'	+25.2	+20.0		AVG.		TP	-1.21	
765TP			0° 00' 00"									0	0	
TP767+	0				+ 5.3	Hi		+5.3	5778.0		π	0	0	668,988 2,346,032
768	290		205° 38' (322° 07')		7.6	92° -	10.1	17.7		5760.3			+229	-178
769	620		202° 35' (319° 04')		11.7	92° 50'	30.6	42.3	5735.7			+468	-406	669,456 2,345,626
TP	796.74	795.98	200° 41' 40"		12.6	92° 30'	-34.7	-47.3	-47.4	5730.6	TP	+584	-541	669,570 2,345,491
TP	796.72		(319° 10' 51")		12.8	267° 30'	-34.7	-47.5		AVG.		TP	-1.56	
767P			0° 00' 00"									0	0	
TP769+	0				+ 5.4	Hi		+5.4	5736.0		π	0	0	669,570 2,345,491
HI	70		161° 14' 24"		6.8	-		-6.8		5729.2	HI	+33	-62	669,603 2,345,429
			(298° 25' 15")											x=2,345,480 y=669,555

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-16-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		CA-7		118			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		Downieville - 15'		CALIF.		SIERRA								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
									5736.0						
770	151		169° 24' (306° 35')		7.2	-		-7.2		5728.8		+90	-121	669,660	2,345,370
771	480		159° 31' (296° 42')		12.3	-		-12.3		5723.7		+216	-429	669,786	2,345,062
TP	794.69	794.60	158° 40' 41"		5.2	90° 50'	-11.6	-16.8	-16.9	5719.1	TP	+347	-715	669,915	2,344,776
TP	794.72		(295° 51' 32")		5.4	269° 10'	-11.6	-17.0	Avg.		TP	-1.55			
769 <sup>+</sup> TP			0 00 00									0	0		
TP+771	0				+ 11.53	4i		+5.3	5724.4		TP	0	0		
772	9		209° 25' (325° 17')		5.4	-		-5.4		5719.0		+7	-5	669,922	2,344,771
773	340		218° 24' (334° 16')		9.1	90° 20'	2.0	11.1		5713.3		+306	-148	670,221	2,344,628
TP	636.58	636.36	216° 02' 58"		10.9	91° 20'	-16.7	-27.6	-27.7	5696.7	TP	+561	-300	670,475	2,344,476
TP	636.59		(331° 54' 36")		11.0	268° 30'	-16.7	-27.7	Avg.		TP	-1.24			
771 <sup>+</sup> TP			0 00 00									0	0		
TP+773 <sup>+</sup>	0				+ 5.2	4i		+5.2	5701.9		TP	0	0		
774	31		179° 56' (331° 51')		5.3	94° -	2.2	7.5		5694.4		+27	-15	670,502	2,344,462
775	361		178° 00' (329° 55')		6.6	94° 10'	26.2	32.8		5669.1		+312	-180	670,787	2,344,296
IF	463 467		176° 56' 24" (328° 51')		8.0	94° -	32.5	40.5		5661.4	IF	+400	-241	670,874	2,344,235
776	690		178° 39' (330° 34')		7.0	94° 20'	52.0	59.0		5642.9		+599	-338	671,074	2,344,138
777	1020		176° 55' (328° 50')		8.1	94° 30'	79.8	87.9		5614.0		+870	-526	671,345	2,343,950
TP	1054.88	1051.6	176° 43' 41"		8.0	94° 30'	-82.7	-90.7	-90.8	5611.1	TP	+898	-547	671,371	2,343,929
TP	1054.83		(328° 38' 11")		8.2	265° 30'	-82.7	-90.9	Avg.		TP	-2.06			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8-16-82		B. Cotcamp		D. Hamilton		6834		D.H. dm		CA.-7	119					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF.-SIERRA		Downieville-15'		CALIF.		SIERRA					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	
										5611.1						
773 <sup>+</sup> TP			0° 00' 00"									0	0			
TP 774	0				+ 5.1	Hi		+ 5.1	5616.2		TP	0	0			
778	293		172° 29' (321° 01')		4.7	92° 30'	12.8	17.5		5598.7		+228	-184	671,599	2,343,745	
779	619.77	619.18	164° 52' 44"		7.1	92° 30'	-27.0	-34.1	-34.2	5582.0	TP	+426	-449	671,796	2,343,480	
779	619.77		(313° 30' 55")		7.2	267° 30'	-27.0	-34.2	Avg.		TP	-1.21				
777 <sup>+</sup> TP			0° 00' 00"					+ 5.1	5587.1		TP	0	0			
779	0				+ 5.1	Hi					TP	0	0			Not over pt.
780	330		197° 37' (331° 08')		11.8	93° -	17.2	29.0		5558.1		+289	-159	672,085	2,343,321	
TP	439.28	438.5	192° 22' 37"		6.2	93° 20'	-25.5	-31.7	-31.8	5555.3	TP	+363	-246	672,158	2,343,234	
TP	439.31		(325° 53' 32")		6.3	266° 40'	-25.5	-31.8	Avg.		TP	-0.86				
779			0° 00' 00"									0	0			
TP 780 <sup>+</sup>	0				+ 5.1	Hi		+ 5.1	5560.4		TP	0	0			Around 90°
781	185		121° 17' (267° 11')		10.1	88° -	+6.5	3.6		5556.8		-9	-185	672,149	2,343,049	
TP	364.49		105° 12' 00"		1.6	89° 30'	+3.2	+1.6	+1.5	5561.9	TP	-118	-345	672,040	2,342,889	
TP	364.51		(251° 05' 32")		1.7	270° 30'	+3.2	+1.5	Avg.		TP	-0.71				
780 <sup>+</sup> TP			0° 00' 00"									0	0			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-16-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		CA.-7		120			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		Downieville-15'		CALIF.		SIERRA								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
									5561.9						
TP781 <sup>+</sup>	0				+ 5.2	Hi		+5.2	5567.1		π	0	0		
782	136		165° 25' (236° 31')		4.3	87° -	+2.4	7.9		5565.2		-75	-113	671,965	2,342,776
TP	320		169° 02' 24"		6.8	88° -	+11.2	+4.4	+4.3	5571.4	TP	-159	-277	671,880	2,342,612
TP	320		(240° 07' 56")		6.9	272° -	+11.2	+4.3	Avg.		TP	-0.63			across ROAD
781 <sup>+</sup> TP			0° 00' 00"									0	0		
TP782 <sup>+</sup>	0				+ 5.1	Hi		+5.1	5576.5		π	0	0		
783	151		207° 53' (268° 01')		5.0	88° 40'	+3.5	7.5		5575.0		-5	-151	671,875	2,342,461
784	482		200° 44' (260° 52')		6.1	88° -	+16.8	+10.7		5587.2		-76	-476	671,803	2,342,136
785	811		201° 11' (261° 19')		6.5	88° -	+28.3	+21.8		5598.3		-122	-801	671,757	2,341,811
786	1141		202° 23' (262° 31')		2.1	88° -	+39.8	+37.7		5614.2		-149	-1131	671,731	2,341,481
787	1468		202° 50' (262° 58')		12.2	87° 30'	+64.0	+51.8		5628.3		-180	-1456	671,700	2,341,156
TP	1693.70	1692.1	202° 13' 47"		11.1	87° 30'	+73.8	+62.7	+62.5	5639.0	TP	-225	-1677	671,652	2,340,935
TP	1693.68		(262° 21' 43")		11.4	272° 30'	+73.8	+62.4	Avg.		TP	-3.31			
782 <sup>+</sup> TP	160		0° 00' 00"									0	0		
TP781 <sup>+</sup>	0				+ 5.2	Hi		+5.2	5644.2		π	0	0		
788	107		190° 50' (273° 12')		4.9	86° 30'	+6.5	+1.6		5645.8		+6	-107	671,658	2,340,828
789	440		180° 39' (263° 01')		4.4	86° 10'	+29.3	+24.9		5669.1		-53	-436	671,598	2,340,499

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8/16/82		B. Cotcamp		D. Hamilton		6834		R.H. Jm		CA.-7		121-			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		Downieville - 15'		CALIF.		SIERRA								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
									5644.2						
790	768		177° 17' (259° 39')		9.0	86° 10'	+51.2	+42.2		5686.4		-138	-754	671,514	2,340,181
791	1097		" " (" " )		6.0	86° 10'	+73.2	+67.2		5711.4		-197	-1077	671,455	2,339,858
792	1427		" " (" " )		7.1	86° 10'	+95.2	+88.1		5732.3		-256	-1401	671,396	2,339,534
TP	1480.91	1477.6	177° 28' 43"		7.9	86° 10'	+99.1	+90.2	+90.9	5735.1	TP	-261	-1454	671,388	2,339,480
TP	1480.98		(259° 50' 26")		8.3	273° 50'	+99.1	+90.8	Avg.		TP	-2.89			
781+TP			0° 00' 00"					+5.1		5740.2		0	0		
TP792+	0				+ 5.1	Hi					X	0	0		
793	287		195° 04' (274° 54')		7.5	87°	+75.0	+7.5		5747.7		+24	-286	671,413	2,339,195
794	612		197° 00' (276° 50')		11.3	87°	+32.0	+20.7		5760.9		+73	-607	671,461	2,338,873
TP	866.05	865.1	194° 32' 53"		5.7	87° 20'	+40.2	+34.5	+34.4	5774.6	TP	+66	-863	671,453	2,338,618
TP	866.05		(274° 23' 19")		5.8	272° 40'	+40.2	+34.4	Avg.		TP	-1.69			
792+TP			0° 00' 00"		+ 5.2	Hi						0	0		
TP794+	0				↓	↓		+5.2		5779.8	X	0	0		
795	60		182° 24' (276° 47')		5.3	88°	+2.1	-3.2		5776.6		+7	-60	671,460	2,338,558
796	383		165° 01' (259° 24')		9.2	-		-9.2		5770.6		-70	-376	671,382	2,338,241
TP	498.26		166° 26' 43"		9.8	90° 30'	-4.3	-14.1	-14.2	5765.6	TP	-79	-492	671,372	2,338,126
TP	498.22		(260° 50' 02")		10.0	269° 30'	-4.3	-14.3	Avg.		TP	-0.97			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-16-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		122			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		Downieville - 15'		CALIF.		SIERRA								L.O. 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
										5765.6					
794+TP			0° 00' 00"									○	○		
TP 796+	0			+ 5.3	Hi			+ 5.3	5770.9		π	○	○		
797	231		229° 11' (310° 01')		6.4	93° 10'	12.7	19.1		5751.8		+148	-177	671,521	2,337,949
798	458		231° 37' 52" (312° 28')		3.3	93° 10'	25.3	28.6		5742.3	π	+309	-337	671,681	2,337,788 Y-int. (top of 5739)
TP	506.17	+505.5	232° 20' 48"		2.9	93° 20'	-26.5	-29.4	-29.5	5741.4	TP	+346	-369	671,717	2,337,757 X= 2,337,725 Y= 671,700
TP	506.16		(313° 10' 50")		3.1	267°	-26.5	-29.6	AVG.		TP	-0.99			
796+TP			0° 00' 00"									○	○		
TP 797	0			+ 5.2	Hi			+ 5.2	5746.6		π	○	○		
798	72		230° 11' (3° 22')		4.6	94° 10'	3.2	9.8		5736.8		+72	+4	671,789	2,337,761
799	401		227° 16' (0° 27')		9.3	92° 10'	15.1	24.4		5722.2		+401	+3	672,118	2,337,760
800	730		228° 08' (1° 19')		6.6	93° 20'	42.4	49.0		5697.6		+729	+17	672,446	2,337,774
TP	760.07	758.8	227° 30' 54"		7.0	93° 20'	-44.2	-51.2	-51.3	5695.3	TP	+759	+9	672,474	2,337,766
TP	760.07		(0° 41' 44")		7.2	266° 40'	-44.2	-51.4	AVG.		TP	-1.49			
797+TP	<del>290</del> B.G.C.		0° 00' 00"									○	○		
TP 800+	0			+ 5.1	Hi			+ 5.1	5700.4		π	○	○		
801	290		186° 33' 02" (7° 15')		7.7	94°	20.2	22.9		5672.5		+287	+37	672,761	2,337,803
TP	330	329.4	186° 33' 02"		10.7	93° 30'	-20.1	-30.8	-30.9	5669.5	TP	+327	+42	672,800	2,337,808
TP	330		(7° 14' 46")		10.8	269° 30'	-20.1	-30.9	AVG.			-0.64			

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-16-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		123			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		Downieville-15'		CALIF.		SIERRA								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
										5669.5					
800 <sup>+</sup> TP			0° 00' 00"									0	0		
TP801 <sup>+</sup>	0			+ 5.0	Hi		+5.0		5674.5		π	0	0		
802	286		94° 29' (281° 44')	4.9	94° 28'	22.2	27.1		5647.4			+58	-279	672,858	2,337,529
803	620		89° 42' (276° 57')	4.9	94° 35'	-49.4	-54.3		5620.2			+75	-613	672,875	2,337,195
804	950		90° 31' (277° 46')	4.9	94° 03'	-66.9	-71.8		5602.7			+128	-939	672,929	2,336,869
805	1278		90° 54' (278° 09')	4.9	92° 55'	-64.9	-69.8		5604.7			+181	-1263	672,981	2,336,545
806	1607		89° 55' (277° 10')	4.9	92° 03'	-57.5	-62.4		5612.1			+200	-1593	673,001	2,336,215
807	1938		89° 38' (276° 53')	4.9	91° 45'	-59.2	-64.1		5610.4			+232	-1923	673,033	2,335,885
TP	2012.18	2011.5	89° 20' 18"		11.4	91° 30'	-52.6	-64.0	-64.1	5610.4	TP	+231	-1998	673,027	2,335,810
TP	2012.18		(276° 35' 04")		11.6	268° 30' 86.6	-52.6	-64.2	Avg.		TP	-3.93			
801 <sup>+</sup> TP			0° 00' 00"									0	0		
TP807 <sup>+</sup>	0			+ 5.3	Hi		+5.3		5615.7		π	0	0		1/2
808	244		157° 41' (254° 16')	7.1	88° 30'	+6.4	0.7		5615.0			-66	-235	672,961	2,335,575
809	570		149° 08' (245° 43')	8.7	86° 30'	+34.7	+26.0		5641.7			-234	-519	672,793	2,335,291
TP	776.49	774.8	149° 31' 12"		6.1	86° 10' 86.6	+51.8	+45.7	+45.6	5661.3	TP	-314	-708	672,712	2,335,101
TP	776.51		(246° 06' 16")		6.3	273° 50' 86.6	+51.8	+45.5	Avg.		TP	-1.52			
807 <sup>+</sup> TP			0° 00' 00"									0	0		
TP809 <sup>+</sup>	0			+ 5.4	Hi		+5.4		5666.7		π	0	0		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
8-16-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	124			
AREA NO.		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
CALIF. - SIERRA		Downieville - 15'		CALIF.		SIERRA					L.O. Oguis			
STATION NO.	SLOPE 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.	
									566.7					
810	128		221° 15' (287° 21')		6.5	86° -	+8.9	+2.4		5669.1		+38	-122	672,750 2,334,980
811	456		221° 15' (287° 21')		8.1	87° -	+23.8	+15.7		5682.4		+136	-435	672,848 2,334,667
812	770		214° 10' (280° 16')		5.5	87° -	+40.2	+34.7		5701.4		+137	-757	672,849 2,334,345
TP	965.86	964.4	211° 44' 30"		7.8	86° 50'	+53.3	+45.5	+45.4	5712.1	TP	+132	-955	672,842 2,334,146
TP	66965.92		(277° 50' 46")		7.9	273° 10'	+53.3	+45.4	Avg.		TP	-1.89		
809 <sup>+</sup> TP			0° 00' 00"					+5.3		5717.4		0	0	
TP <sub>812</sub> <sup>+</sup>	0				+ 5.3	Hi					X	0	0	
813	139		169° 03' (266° 54')		4.3	-		-4.3		5713.1		-8	-139	672,834 2,334,007
814	469		" " (266° 54')		7.4	-		-7.4		5710.0		-25	-468	672,816 2,333,678
1 <sup>+</sup>	790		166° 13' 35" (264° 04' 24")		0.2	-		-10.2		5707.2	1 <sup>+</sup>	-82	-786	672,760 2,333,360 T-rd (e.l.)
815	800		167° 16' (265° 07')		9.5	-		-9.5		5707.9		-68	-797	672,773 2,333,349 X= 2,333,360 Y= 672,760
TP	935.92		162° 57' 19"		11.6	90° -		-11.6	-11.7	5705.7	TP	-156	-923	672,679 2,333,230 Azimuth corrected to sun shot taken @ this point
TP	935.99		(260° 23' 23")		11.8	270° -		-11.8	Avg.		TP	-7	+7	
812 <sup>+</sup> TP			0° 00' 00"									0	0	
TP <sub>815</sub> <sup>+</sup>	0				+ 5.1	Hi		+5.1		5710.8	X	0	0	
816	175		144° 27' (224° 50')		2.9	93° -		-9.1	-12.0	5698.8		-124	-123	672,555 2,333,107
817	505		143° 28' (223° 51')		5.8	93° -		-26.4	-32.2	5678.6		-364	-349	672,315 2,332,881

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-17-82		B. Cotcamp		D. Hamilton		6834		D.H. gm		CA-7		125			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		Downieville - 15'		CALIF.		SIERRA								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
									5710.8						
818	835		144° 38' (225° 01')		8.4	93° -	-43.6	-52.0		5658.8		-589	-590	672,089	2,332,640
TP	1066.85	1065.0	144° 19' 42"		3.2	93° 20'	-62.0	-65.2	-65.3	5645.5	TP	-757	-749	671,915	2,332,488
TP	1066.87		(224° 43' 05")		3.4	266° 40'	=62.0	-65.4	Avg.		TP	-7	+7		
815 <sup>+</sup> TP			0° 00' 00"									0	0		
TP 818 <sup>+</sup>	0			+ 4.9	Mi			+4.9	5650.4		TP	0	0		
819	97.		170° 12' (214° 55')		8.5	91° 21'	-2.3	-10.8		5639.6		-80	-56	671,835	2,332,432
820	424		162° 23' (207° 06')		8.5	93° 13'	-23.8	-32.3		5618.1		-377	-193	671,538	2,332,295
821	752		158° 47' (203° 30')		8.5	93° 40'	-48.0	-56.5		5593.9		-688	-299	671,227	2,332,189
822	1081		159° 49' (204° 32')		8.5	93° 46'	-70.9	-79.4		5571.0		-981	-448	670,934	2,332,040
823	1415		159° 47' (204° 30')		8.5	93° 29'	-85.8	-94.3		5556.1		-1285	-586	670,630	2,331,902
824	1741		160° 23' (205° 06')		8.5	92° 56'	-89.0	-97.5		5552.9		-1575	-738	670,340	2,331,750
825	2071		160° 35' (205° 18')		8.5	92° 34'	-92.7	-101.2		5549.2		-1876	-884	670,044	2,331,604
826	2400		161° 10' (205° 53')		8.5	92° 19'	-96.9	-105.4		5545.0		-2157	-1047	669,757	2,331,441
827	2730.62	2728.7	161° 16' 50"		7.6	92° 10'	-103.1	-110.7	-111.0	5539.4	TP	-2453	-1196	669,455	2,331,299
827	2730.63		(205° 59' 55")		8.1	267° 50'	-103.1	-111.2	Avg.		TP	-7	+7		
818 <sup>+</sup> TP			0° 00' 00"									0	0		
827	0			+ 5.2	Mi			+5.2	5544.6		TP	0	0		

↑  
Downieville - 15'  
ACROSS ALLEGANY-15'  
ROAD  
↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8-17-82	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY D.H. Jm	LINE NO. C.A.-M	PAGE 126
AREA NO. CALIF.-SIERRA	TOPO MAP Alleghany-15'	STATE CALIF.	COUNTY SIERRA	TWP	RANGE	PPM
PARTY MANAGER L.O. DAVIS						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									5544.6					
828	329		182° 41' (208° 41')		6.7	93° -	-17.2	-23.9		5520.7		-288	-158	669,167 2,331,141
77	546		178° 26' 00" (204° 25' 55")		4.3	94° -	-38.0	-42.3		5502.3	TP	-496	-225	668,959 2,331,073 4-way int. (topo pt. 5496) X= 2,331,080 Y= 668,910
829	658		178° 49' (204° 49')		9.4	93° 40'	-42.0	-51.4		5493.2		-596	-276	668,859 2,331,023
830	988		178° 46' (204° 46')		4.6	93° 40'	-63.1	-67.7		5476.9		-895	-413	668,560 2,330,886
831	1307		183° 51' (209° 51')		12.1	92° 40'	-60.7	-72.8		5471.8		-1132	-650	668,323 2,330,649
TP	1379.58	1378.1	185° 10' 59"		8.7	92° 40'	-64.1	-72.8	-73.0	5471.6	TP	-1179	-714	668,269 2,330,592
TP	1379.60		(211° 10' 54")		9.0	267° 20'	-64.1	-73.1	Avg.		TP	-7	+7	
827			0° 00' 00"											
TP831†	0				+ 5.2	Hi		+5.2	5476.8		TP	0	0	
832	243		203° 06' (234° 17')		5.3	-		-5.3		5471.5		-142	-197	668,128 2,330,395
TP833	515.43		195° 08' 48"		8.4	90° -		-8.4	-8.5	5468.3	TP	-356	-373	667,907 2,330,226
TP	515.41		(226° 19' 42")		8.5	270° -		-8.5	Avg.		TP	-7	+7	
831† TP			0° 00' 00"											
TP832†	0				+ 5.15	Hi		+5.1	5473.4		TP	0	0	
833	55		197° 42' (244° 02')		5.8	-		-5.8		5467.6		-24	-49	667,882 2,330,177
834	380.81		172° 26' 47"		6.4	92° -	-13.3	-19.7	-19.8	5453.6	TP	-296	-239	667,603 2,329,994
834	380.72		(218° 56' 29")		6.5	268° -	-13.3	-19.8	Avg.		TP	-7	+7	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-17-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		127			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		ALLEGANY-15'		CALIF.		SIERRA								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
			0° 00' 00"							5453.6					
832 TP															
834	0			+	5.2	H <sub>i</sub>		+5.2	5458.8		X	0	0		
835	329		184° 50' (223° 46')		8.5	93° 08'	-18.0	-26.5	5432.3			-237	-227	667,366	2,329,767
836	657		187° 06' (226° 02')		8.5	93° 41'	-42.7	-51.2	5407.6			-455	-472	667,148	2,329,522
837	987		186° 47' (225° 43')		8.5	93° 32'	-60.7	-69.2	5389.6			-688	-705	666,916	2,329,289
838	1319		186° 00' (224° 56')		8.5	93° 12'	-73.5	-82.0	5376.8			-932	-930	666,671	2,329,064
839	1652.87		185° 31' 58"		11.1	93° 10'	-91.2	-102.3	5356.3		TP	-1178	-1156	666,419	2,328,845
839	1652.87		(224° 28' 27")		11.4	266° 52'	-91.2	-102.6	Avg.		TP				
			0° 00' 00"												
834															
839	0			+	5.1	H <sub>i</sub>		+5.1	5361.4		X	0	0		
840	330		198° 30' (242° 58')		7.0	95° 20'	-30.5	-37.5	5323.9			-149	-293	666,270	2,328,552
841	655		191° 20' (235° 48')		8.5	94° 43'	-53.7	-62.2	5299.2			-367	-540	666,052	2,328,305
842	956		181° 39' (226° 07')		8.5	93° 13'	-53.6	-62.1	5299.3			-662	-688	665,757	2,328,157
843	1284		180° 25' (224° 53')		8.5	92° 04'	-46.3	-54.8	5306.6			-909	-905	665,510	2,327,940
844	1614		" " (224° 53')		8.5	91° 39'	-46.5	-55.0	5306.4			-1143	-1138	665,276	2,327,707
TP	1750.3	1749.6	186° 36' 36"		3.7	91° 40'	-50.9	-54.6	5306.7		TP	-1235	-1239	665,177	2,327,613
TP	1750.28		(225° 05' 03")		3.9	268° 20'	-50.9	-54.8	Avg.		TP				

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
8-17-82		B. Cotcamp		D. Hamilton		6834		D.H. dm		C.A.-7	128			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
NO. CALIF. - SIERRA		Alleghany - 15'		CALIF.		SIERRA					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.	
										5306.7				
839			0° 00' 00"					+5.2	5311.9					
TP844+	0				+ 5.25 Hi						X	0	0	
845	200		201° 36' (246° 41')		7.3 -			-7.3		5304.6		-79	-184	665,097 2,327,429
TP	333.65		194° 54' 12"		10.3 -			-10.3	-10.4	5301.5	TP	-167	-289	665,003 2,327,331
TP	333.67		(239° 59' 15")		10.4 270° -			-10.4	Avg.		TP	-7	+7	
844+TP			0° 00' 00"											
TP845+	0				+ 5.3 Hi			+5.3	5306.8		X	0	0	
846	191		175° 19' (235° 18')		12.0 -			-12.0		5294.8		-109	-157	664,894 2,327,174
84TP	502		169° 36' 12"		7.7 92° -			-17.5	-25.2	5281.5	TP	-325	-382	664,675 2,326,954
TP	502		(229° 35' 27")		7.8 268° -			-17.5	-25.3	Avg.	TP	-2	+5	
845+TP			0° 00' 00"											
TP846+	0				+ 5.25 Hi			+5.2	5286.7		X	0	0	ACROSS ROAD
847	32		245° 31' (295° 06')		8.7 -			-8.7		5278.0		+14	-29	664,689 2,326,925
848	360		214° 52' (264° 27')		10.1 94° -			-25.1	-35.2	5251.5		-35	-357	664,641 2,326,597
849	690		" " (264° 27')		6.9 94° 30'			-54.0	-60.9	5225.8		-67	-685	664,609 2,326,269
850	1001.40	999.0	210 12 36		8.8 94° -			-69.8	-78.6	5208.0	TP	-177	-983	664,497 2,325,926
850	1001.27		(259° 48' 03")		8.9 266° -			-69.8	-78.7	Avg.	TP	-2	+5	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8-17-82		B. Cotcamp		D. Hamilton		6834		D.P. Ym		C.A.-7	129				
AREA NO.		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIF.-SIERRA		Alleghany-15'		CALIF.		SIERRA					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
846 <sup>+</sup> TP			0° 00' 00"						5208.0						
850	0				+ 5.2 Hi			+5.2	5213.2		TP	0	0		
851	330		144° 06' (223° 54')		5.8	93° -	-17.2	-23.0	5190.2			-237	-229	664,259	2,325,747
852	660		" " (223° 54')		9.1	93° -	-34.5	-43.6	5169.6			-475	-457	664,022	2,325,59
853	990		145° - (224° 48')		7.7	92° 50'	-48.9	-56.6	5156.6			-702	-697	663,795	2,325,279
<del>854</del>	1148.84		144° 07' 18" (223° 55' 21")		6.0	92° 50'	-56.7	-62.7	5150.5		TP	-826	-796	663,670	2,325,180
TP	1259.84	1258.6	142° 33' 14"		8.7	92° 30'	-54.9	-63.6	-63.7	5149.5	TP	-930	-848	663,558	2,325,126
TP	1259.82		(222° 21' 17")		8.9	267° 30'	-54.9	-63.8			TP	-8	-2		ROAD
850			0° 00' 00"												
TP 853 <sup>+</sup>	0				+ 5.25 Hi			+5.2	5154.7		TP	0	0		
854	56		197° 39' (240° 00')		7.3	87° 40'	+2.3	-5.0	5149.7			-28	-48	663,530	2,325,078
855	380		166° 21' (208° 42')		3.9	89° 40'	+2.2	-1.7	5153.0			-333	-182	663,225	2,324,943
856	710		162° 54' (205° 15')		4.2	89° 30'	+6.2	+2.0	5156.7			-642	-303	662,916	2,324,823
TP	990.47		163° 44' 06"		9.1	89° -	+17.3	+8.2	+8.1	5162.8	TP	-889	-436	662,661	2,324,688
TP	990.47		(206° 05' 23")		9.2	271° -	+17.3	+8.1	Avg.		TP	-8	-2		
853 <sup>+</sup> TP			0° 00' 00"												
TP 856 <sup>+</sup>	0				+ 5.25 Hi			+5.2	5168.0		TP	0	0		

Y-int. X=2,325,180  
Y=663,670  
ACROSS CORR. X=+73  
Y=-67'

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-17-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		130			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		Alleghany - 15'		CALIF.		SIERRA								L.O. 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
									5168.0						
857	60		229° 22' (255° 27')		5.2	90° 10'	-0.2	-5.4		5162.6		-15	-58	662,646	2,324,630
858	390		214° 00' (240° 05')		4.1	89° 10'	+5.7	+1.6		5169.6		-194	-338	662,467	2,324,350
H-	526		213° 17' 05" (239° 22')		4.5	89° -	+9.2	+4.7		5172.7	H-	-268	-453	662,393	2,324,236
TP	608.40		215° 33' 14"		4.9	89° -	+10.6	+5.7	+5.6	5173.6	TP	-289	-535	662,364	2,324,151
TP	608.40		(241° 38' 37")		5.0	271° -	+10.6	+5.6	Avg.		TP	-8	-2		
856 <sup>+</sup> TP			0° 00' 00"												
TP 858 <sup>+</sup>	0				+ 5.3	Hi		+5.3		5178.9	X	0	0		
859	110		191° 40' (253° 18')		6.2	88° -	+3.8	-2.4		5176.5		-32	-105	662,333	2,324,046
860	440		188° 17' (249° 56')		9.6	89° 20'	+5.1	-4.5		5174.4		-151	-413	662,213	2,323,738
TP	663.05		185° 56' 23"		10.8	90° -		-10.8	-10.9	5168.0	TP	-253	-613	662,103	2,323,536
TP	663.00		(247° 35' 00")		10.9	270° -		-10.9	Avg.		TP	-8	-2		
858 <sup>+</sup> TP			0° 00' 00"								i				
TP 860 <sup>+</sup>	0				+ 5.3	Hi		+5.3		5173.3	X	0	0		
861	104		167° 39' (235° 14')		8.9	-		-8.9		5164.4		-59	-85	662,044	2,323,451
TP	328.59		157° 18' 38"		11.9	91° -		-5.7	-17.6	5155.6	TP	-233	-232	661,863	2,323,302
TP	328.62		(224° 53' 38")		12.0	269° -		-5.7	-17.7	Avg.	TP	-8	-2		

y-662,365 x-2,324,200  
POWERLINE INT. TO ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-17-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		131-			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		ALLEGHANY - 15'		CALIF.		SIERRA								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
										5155.6					
860 TP			0° 00' 00"												
TP 861	0			+ 5.4	Hi			+5.4	5161.0		TP	0	0		(A)
862	108		192° 00' (236° 54')		7.6	91° -	-1.9	-9.5		5151.5		-59	-90	661,804	2,323,212
863	431		179° 07' (224° 01')		5.4	92° -	-15.0	-20.4		5140.6		-310	-299	661,553	2,323,003
864	761		176° 27' (221° 21')		8.5	91° 29'	-19.7	-28.2		5132.8		-571	-503	661,291	2,322,800
865	1091		" " ( " " )		8.5	91° 15'	-23.8	-32.3		5128.7		-819	-721	661,044	2,322,582
866	1421		" " ( " " )		8.5	91° 15'	-31.0	-39.5		5121.5		-1066	-939	660,796	2,322,364
867	1751		" " ( " " )		8.5	91° 19'	-40.2	-48.7		5112.3		-1314	-1157	660,548	2,322,146
868	2081		176° 14' (221° 08')		8.5	91° 21'	-49.0	-57.5		5103.5		-1567	-1369	660,296	2,321,934
869	2411		" " ( " " )		8.5	91° 24'	-58.9	-67.4		5093.6		-1815	-1586	660,047	2,321,717
TP	2582.72	2582.0	175° 54' 30"		15.0	91° 19' 30"	-59.6	-74.6	-74.8 AVG.	5086.2	TP	-1955	-1687	659,900	2,321,644
TP	2582.71		(220° 48' 08")		15.0	268° 39' 54"	-60.0	-75.0			TP	-8	-1		
861 TP			0° 00' 00"												
TP 861	0			+ 5.25	Hi			+5.2	5091.4		TP	0	0		(A)
870	169		209° 02' (249° 50')		6.6	93° -	-8.8	-15.4		5076.0		-58	-158	659,842	2,321,456
871	500		206° 41' (247° 29')		5.9	93° -	-26.1	-32.0		5059.4		-191	-461	659,709	2,321,153
872	829		206° 06' (246° 54')		7.7	92° 10'	-31.3	-39.0		5052.4		-325	-762	659,575	2,320,852
873	1160		207° 50' (248° 38')		8.1	91° 40'	-33.7	-41.8		5049.6		-422	-1080	659,478	2,320,534

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-17-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		132			
AREA		TOPO-MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		Allegany - 15'		CALIF.		SIERRA								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
TP	1370.77	1370.3	209° 46' 54"		9.3	91° 30'	-35.9	-45.2	-45.3	5046.1	TP	-456	-1292	659,436	2,320,321
TP	1370.77		(250° 35' 02")		9.5	268° 30'	-35.9	-45.4	Avg.		TP	-8	-1		
869+TP			0° 00' 00"												
TP873+	0				+ 5.2	Hi		+5.2	5051.3		TP	0	0		
874	112		201° 23' (271° 58')		5.7	91°	-2.0	-7.7		5043.6		+4	+112	659,440	2,320,209
875	441		204° 25' (275° 00')		9.6	91°	-7.7	-17.3		5034.0		+38	-439	659,475	2,319,881
TP	613.51		202° 56' 26"		9.9	91° 30'	-16.1	-26.0		5025.3	TP	+38	-612	659,466	2,319,708
TP	613.53		(273° 31' 28")		10.0	268° 30'	-16.1	-26.1			TP	-8	-1		
873+TP			5° 00' 00"												
TP875+	0				+ 4.95	Hi		+4.9	5030.2		TP	0	0		
876	155		178° 18' (271° 49')		7.8	92° 30'	-6.8	-14.6		5015.6		+5	-155	659,471	2,319,553
877	482		169° 07' (262° 38')		10.7	93°	-25.2	-35.9		4994.3		+62	-477	659,404	2,319,230
878	810		167° 12' (260° 43')		4.1	93° 20'	-47.0	-51.1		4979.1		-130	-798	659,336	2,318,910
879	1041		166° 46' (260° 17')		5.1	93°	-54.4	-59.5		4970.7		-175	-1025	659,291	2,318,683
880	1472	1470.6	166° 10' 11"		6.9	92° 30'	-64.2	-71.1	-71.2	4959.0	TP	-263	-1447	659,195	2,318,260
880	1472		(259° 41' 39")		7.1	267° 30'	-64.2	-71.3	Avg.		TP	-8	-1		



SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-20-82		B. Cotcamp		D. Hamilton		6834		o.f. Jm		C.A.-7		134			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		Downieville-15'		CALIF.		SIERRA								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
812 <sup>TP</sup>			E-ELEVATION FROM PREVIOUS SURVEY							5712.1	Ki				
TP812 <sup>+</sup>	0				+ 4.95 Hi		+ 5.0	5717.1			T	0	0	672,847	2,334,145
IF	790		166° 13' 50" (263° 39' 39")		9.7	-	-9.7		5707.4			-87	-785	672,760	2,333,360
TP	768		169° 13' 20"		10.2	-90°	-10.2				TP	-45	-767	672,804	2,333,378
TPA	768		(266° 39' 09")		10.3	270°	-10.3		5706.8		TP	-125	-		
812 <sup>TP</sup>			0° 00' 00"												
TPA	0				+ 4.8 Hi		+ 4.8	5711.6			T	0	0	672,804	2,333,378
815	46		244° 39' (331' 18")		6.5	92°	-1.6	-8.1	5703.5			+140	-22	672,844	2,333,356
816	377		252° 06' (338' 45")		8.3	93° 40'	-24.1	-32.4	5679.2			+351	-137	673,155	2,333,241
817	700		243° 27' (330' 06")		8.6	93° 30'	-42.7	-51.3	5660.3			+607	-349'	673,411	2,333,029
818	992		233° 16' (319' 55")		7.9	92° 30'	-43.2	-51.1	5660.5			+759	-639	673,563	2,332,739
819	1270		224° 26' (311' 05")		9.3	91° 30'	-33.2	-42.5	5669.1			+835	-957	673,639	2,332,421
820	1562		218° 25' (305' 04")		12.1	91° 20'	-36.3	-48.4	5663.2			+897	-1278	673,701	2,332,100
821	1760		214° 16' (300' 55")		12.8	91° 30'	-46.1	-58.9	5652.7		TP	+904	-1510	673,708	2,331,868
822	2157.14		210° 14' 20"		14.7	91° 30'	-56.5	-71.2			TP	+975	-1923	673,781	2,331,455
822	2157.12		(296° 53' 29")		14.8	268° 30'	-56.5	-71.3	5640.3		TP	+2	-		
TPA			0° 00' 00"												
822	0				+ 4.95 Hi		+ 5.0	5645.3			T	0	0	673,781	2,331,455

Corrected azimuth to sun shot taken @ this point  
 Trd (N)  
 X = 2,333,360  
 Y = 672,760

AROUND CORNER

⊗ ACROSS STA.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-20-82		B. Cotcamp		D. Hamilton		6834		A.H. Jm		C.A.-7		135				
AREA NO.		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
CALIF. - SIERRA		Downieville-15'		CALIF.		SIERRA								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
823	331		153° 08' (270° 01')		15.0	92° -	-11.5	-26.5		5618.8		± 0	-331	673,781	2,331,124	AROUND
TP <sub>B</sub>	380		165° 54' 05"		9.9	93° 40'	-24.3	-34.2		5611.1	TP	+84	-370	673,867	2,331,085	90° CORNER
TP <sub>B</sub>	380		(282° 47' 34")		9.8	266° 20'	-24.3	-34.1			TP	+2				
822			0° 00' 00"													
TP <sub>B</sub>	0				+ 4.8	Hi		+4.8		5615.9	TP	0	0	673,867	2,331,085	⊗
824	227		259° 35' (2° 23')		7.9	94° -	-15.8	-23.7		5592.2		+227	+9	674,094	2,331,094	
TP <sub>C</sub>	402		259° 15' 25"		10.4	93° 0'	-21.0	-31.4			TP	+401	+14	674,268	2,331,099	
TP <sub>C</sub>	402		(2° 02' 59")		10.5	267° -	-21.0	-31.5		5584.4	TP					
TP <sub>B</sub>			0° 00' 00"													
TP <sub>C</sub>	0				+ 5.0	Hi		+5.0		5589.4	TP	0	0	674,268	2,331,099	AROUND
825	152		110° 49' (292° 52')		4.9	-		-4.9		5584.5		+59	-140	674,327	2,330,959	90°
826	478		98° 12' (280° 15')		5.4	-		-5.4		5584.0		+85	-470	674,353	2,330,629	
TP <sub>D</sub>	672		97° 24' 55"		4.9	84° 2'	-3.4	-8.3		5581.1	TP	+111	-663	674,381	2,330,436	
TP <sub>D</sub>	672		(279° 27' 54")		4.9	84° 270'	-3.4	-8.3			TP	+2				
TP <sub>C</sub>			0° 00' 00"													
TP <sub>D</sub>	0				+ 5.0	Hi		+5.0		5586.1	TP	0	0	674,381	2,330,436	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8-20-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	136					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF. - SIERRA		Downieville - 15'		CALIF.		SIERRA					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
827	139		205° 15' (304° 43')		12.6	-		-12.6		5573.5		+79	-114	674,460	2,330,322	
828	465		" " (304° 43')		6.4	92°	-16.2	-22.6		5563.5		+265	-382	674,646	2,339,054	
TP <sub>E</sub>	570		204° 17' 40"		9.7	91° 30'	-14.9	-24.6		5561.5	TP	+317	-474	674,702	2,329,962	
TP <sub>E</sub>	570		(303° 45' 34")		9.7	268° 30'	-14.9	-24.6			TP	+4				
TP <sub>D</sub>			0° 00' 00"													
TP <sub>E</sub>	0				+ 5.15	Hi		+5.2	5566.7		X	0	0	674,702	2,329,962	
829	229		170° 40' (294° 26')		11.2	-		-11.2		5555.5		+95	-208	674,797	2,329,754	
830	559		169° 15' (293° 01')		3.8	-		-3.8		5562.9	FP	+219	-515	674,921	2,329,447	
TP <sub>F</sub>	589		168° 51' 45"		2.1	90°		-2.1			TP	+227	-544	674,931	2,329,418	
TP <sub>F</sub>	589		(292° 37' 19")		2.2	270°		-2.2		5564.5	TP	+2				
TP <sub>E</sub>			0° 00' 00"													
TP <sub>F</sub>	0				+ 5.0	Hi		+5.0	5569.5		X	0	0	674,931	2,329,418	
831	300		161° 15' (273° 52')		4.7	87°	+15.7	+11.0		5580.5		+20	-299	674,951	2,329,119	
832	630		160° 03' (272° 40')		7.8	87° 20'	+29.3	+21.5		5591.0		+29	-629	674,960	2,328,789	
TP <sub>E</sub>	676		159° 54' 21"		7.6	87° 30'	+29.5	+22.0		5591.5	TP	+30	-675	674,963	2,328,742	
TP <sub>E</sub>	676		(272° 31' 46")		7.5	272° 30'	+29.5	+22.0			TP	+2	-1			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-20-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		137			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. SIERRA		Downieville-15'		CALIF.		SIERRA								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
TP <sub>F</sub>			0° 00' 00"												
TP <sub>6</sub>	0			+	4.8	Hi		+4.8	5596.3		TP	0	0	674,963	2,328,742
833	278		175° 27' (267° 59')		5.3	91°	-4.9	-10.2		5586.1		-10	-278	674,953	2,328,464
TP <sub>H</sub>	337		173° 37' 45"		6.3	91°	-5.9	-12.2		5584.1	TP	-23	-336	674,942	2,328,405
TP <sub>H</sub>	337		(266° 09' 31")		6.3	269°	-5.9	-12.2			TP	+2	-1		
TP <sub>E</sub>			0° 00' 00"												
TP <sub>H</sub>	0			+	5.05	Hi		+5.0	5589.1		TP	0	0	674,942	2,328,405
834	271		161° 28' (247° 38')		12.4	-		-12.4		5576.7		-103	-251	674,839	2,328,154
TP <sub>2</sub>	420		159° 32' 15"		5.2	91° 30'	-11.0	-16.2		5572.9	TP	-173	-383	674,771	2,328,021
TP <sub>2</sub>	420		(245° 41' 46")		5.2	268° 30'	-11.0	-16.2			TP	+2	-1		
TP <sub>H</sub>			0° 00' 00"												
TP <sub>I</sub>	0			+	5.2	Hi		+5.2	5578.1		TP	0	0	674,771	2,328,021
835	180		169° 06' (234° 48')		9.2	91°	-3.1	-12.3		5565.8		-104	-147	674,667	2,327,874
836	510		168° 39' (234° 21')		8.4	92°	-17.8	-26.2		5551.9		-297	-414	674,474	2,327,607
837	840		168° 29' (234° 11')		11.8	91° 40'	-24.4	-36.2		5541.9		-492	-681	674,279	2,327,340
838	1170		168° 31' (234° 13')		6.8	91° 40'	-34.0	-40.8		5537.3		-684	-949	674,087	2,327,072
TP <sub>5</sub>	1240		168° 19' 55"		9.1	91° 30'	-32.5	-41.6	5536.5		TP	-728	-1003	674,045	2,327,017
TP <sub>5</sub>	1240		(234° 01' 41")		9.0	268° 30'	-32.5	-41.5			TP	+2	-1		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-20-82		B. Cotcamp		D. Hamilton		6834		A.H. Jm		C.A.-7		138			
AREA		TOPO MAR		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.		Downieville-15'		CALIF.		SIERRA								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
TP <sub>E</sub>			0° 00' 00"												
TP <sub>S</sub>	0				+ 5.15	Hi	+ 5.1		5541.6		TP	0	0	674,045	2,327,017 @
839	262		169° 58' 40" (221° 00' 21")		7.1	89° -	+1.6	-5.5		5536.1	TP	-65	-63	673,980	2,326,954 Bumped
840	593		167° 28' (221° 29')		3.9	-		-3.9		5537.7		-196	-174	673,849	2,326,843 Inst.
TP <sub>K</sub>	636		168° 49' (222° 51')		3.7	89° 30'	+5.2	+1.5		5543.1		-435	-403	673,610	2,326,614
TP <sub>K</sub>	630		168° 26' 25"		3.7	89° 30'	+5.5	+1.8		5543.4	TP	-465	-425	673,582	2,326,991
TP <sub>K</sub>	630		(222° 28' 06")		3.6	270° 30'	+5.5	+1.9			TP	"	-1		
TP <sub>S</sub>			0° 00' 00"												
TP <sub>K</sub>	0				+ 4.9	Hi	+ 4.9		5548.3		TP	0	0	673,582	2,326,591
844 TP <sub>K</sub>	231		207° 57' 41"		2.6	-		-2.6		5545.7	TP	-77	-218	673,507	2,326,372
TP <sub>K</sub>	231		(250° 25' 47")		2.6	270° -		-2.6			TP	+2	-1		
TP <sub>K</sub>			0° 00' 00"												
TP <sub>L</sub>	0				+ 5.15	Hi	+ 5.1		5550.8		TP	0	0	673,507	2,326,372
841	65		198° 11' (268° 37')		6.8	87° -	+3.4	-3.4		5547.4		-2	-65	673,505	2,326,307
842	392		" " (268° 37')		5.0	87° -	+20.5	+15.5		5566.3		-9	-392	673,498	2,325,980
843	721		197° 37' (268° 03')		6.2	86° 40'	+41.9	+35.7		5586.5		-25	-721	673,482	2,325,651
TP <sub>m</sub>	740		197° 00' 35"		2.1	87° -	+38.7	+36.6			TP	-33	-738	673,474	2,325,633
TP <sub>m</sub>	740		(267° 26' 22")		2.2	273° -	+38.7	+36.5		5587.3	TP	-	-1		

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-20-82		B. Cotamp		D. Hamilton		6834		D.H. Jm		C.A-M		139				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF. SIERRA		Downieville-15'		CALIF.		SIERRA								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
TP <sub>2</sub>			0° 00' 00"													
TP <sub>m</sub>	0			+	5.1	Hi		+ 5.13	5590.4		X	0	0	673,474	2,325,633	Corrected Elevation
844	318		158° 40' (246° 06')		4.8	89°	+5.5	+0.7		5591.1		-129	-291	673,345	2,325,342	-2.0
TP <sub>N</sub>	361		158° 36' 01"		8.2	88° 30'	+9.4	+1.2		5591.6	TP	-147	-330	673,327	2,325,302	ON LINE
TP <sub>N</sub>	361		(246° 02' 23")		8.1	271° 30'	+9.4	+1.3			TP					
TP <sub>2</sub>			0° 00' 00"													
TP <sub>m</sub>	0			+	5.1	Hi		+ 5.13	5592.4		X	0	0	673,474	2,325,633	TRAVERSE TO
TP <sub>TRI</sub>	710		319° 31' 45"		5.4	81° 30'	+103.8	+98.4		5690.8	TP	+479	+513	673,953	2,326,146	TRI - STATION
TP <sub>TRI</sub>	710		(46° 58' 07")		5.4	278° 30'	+103.8	+98.4			TP					
TP <sub>2</sub>			0° 00' 00"													
TP <sub>TRI</sub>	0			+	5.1	Hi		+ 5.1	5695.9		X	0	0	673,953	2,326,146	ELEVATION MISTAKE +2.0
Δ TRI	61		126° 49' 45"		0.6	86° 30'	+3.7	+3.1		5699.0	TP	+61	-7	674,014	2,326,139	TRI - STATION
Δ TRI	61		(353° 47' 52")		0.6	273° 30'	+3.7	+3.1			TP					"TABLE" EL. 5697.0 y-673,925 x-2,326,130

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
8-20-82		B. Cotcamp		D. Hamilton		6834		AH, Jm		C.A.-7	140			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER		
NO: CALIF.-SIERRA		Downieville-1S		CALIF.		SIERRA						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.	
TP <sub>n</sub>			0° 00' 00"							5591.6				
TP <sub>n</sub>	0			+ 5.15	Hi		+ 5.1	5596.7			X	0	0	673,327 2,325,302
845	281		189° 47' (235° 49')		8.6	89° -	+4.9	-3.7	5593.0			-69	-272	673,258 2,325,030
TP <sub>o</sub>	475		186° 45' 45"		6.5	-		-6.5	5590.2		TP	-140	-454	673,193 2,324,847
TP <sub>o</sub>	475		(252° 48' 08")		6.5	270° -		-6.5			TP	+6	-1	
TP <sub>n</sub>			0° 00' 00"											
TP <sub>o</sub>	0			+ 5.1	Hi		+ 5.1	5595.3			X	0	0	673,193 2,324,847
846	137		172° 03' (244° 51')		6.2	91° -	-2.4	-8.6	5586.7			-58	-124	673,135 2,324,723
TP <sub>p</sub>	420		170° 26' 01"		10.6	92° 30'	-18.3	-28.9	5566.4		TP	-189	-375	673,006 2,324,471
TP <sub>p</sub>	420		(243° 14' 09")		10.6	267° 30'	-18.3	-28.9			TP	+2	-1	
TP <sub>o</sub>			0° 00' 00"											
TP <sub>p</sub>	0			+ 5.1	Hi		+ 5.1	5571.5			X	0	0	673,006 2,324,471
847	44		210° 14' (273° 28')		7.6	90° 30'	-0.4	-8.0	5563.5			+3	-44	673,009 2,324,427
TP <sub>o</sub>	262		199° 18' 20"		5.9	94° 30'	-20.5	-26.4	5545.1		TP	-34	-259	673,974 2,324,211
TP <sub>o</sub>	262		262° 32' 29"		5.8	265° 30'	-20.5	-26.3			TP	+2	-1	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-20-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		141			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		Downieville-15		CALIF.		SIERRA								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
TPp			0° 00' 00"							5545.1					
TPa	0				+ 5.1 Hi		+ 5.1		5550.2		X	0	0	672,974	2,324,211
848	120		216° 37' (299° 10')		6.7	94° -	-8.4	-15.1		5535.1		+58	-105	673,032	2,324,106
-H-	156		211° 58' 55" (294° 31' 24")		3.3	94° 50'	-13.1	-16.4		5533.8	-H-	+65	-141	673,039	2,324,070
TPR	176		215° 22' 15"		4.7	95° -	-15.3	-20.0		5530.2	TP	+82	-155	673,058	2,324,055
TPR	176		(297° 54' 44")		4.7	265° -	-15.3	-20.0			TP	+2	-1		
TPa			0° 00' 00"												
TPR	0				+ 5.25 Hi		+ 5.2		5535.4		X	0	0	673,058	2,324,055
<del>TPR</del>	209		206° 43' 45"		6.6	95° -	-18.1	-24.7		5510.7	TP	+170	-120	673,230	2,323,934
TPs	209		(324° 38' 29")		6.6	265° -	-18.1	-24.7			TP	+2	-1		
TPR			0° 00' 00"												
TPs	0				+ 5.2 Hi		+ 5.2		5515.9		X	0	0	673,230	2,323,934
849	70		183° 41' (328° 19')		8.2	92° -	-2.4	-10.6		5505.3		+60	-37	673,290	2,323,897
TP+850	381		154° 28' 35"		3.6	95° -	-33.1	-36.7		5479.2	TP	+185	332	673,417	2,323,601
TP+	381		(299° 07' 04")		3.5	265° -	-33.1	-36.6			TP	+2	-1		

672,995 X-2,324,085  
SEC. Line CORNER

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445.

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8-20-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	142				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF. - SIERRA		Downieville - 1S'		CALIF.		SIERRA					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
TPs			0° 00' 00"							5479.2					
850	0			+	4.75	Hi		+ 4.7	5483.9		T	0	0	673,417 2,323,601	ACROSS STA.
851	329		170° 43' 10"		9.9	94°	-22.9	-32.8			TP	+111	309	673,530 2,323,291	" "
851	329		(289° 50' 14")		10.0	266°	-22.9	-32.9		5451.0	TP				
850			0° 00' 00"												
851	0			+	5.05	Hi		+ 5.0	5456.0		T	0	0	673,530 2,323,291	
TP+	309		196° 27' 35"		7.3	94° 30'	-24.2	-31.5			TP	+182	248	673,714 2,323,042	
TP+	309		(306° 17' 49")		7.4	265° 30'	-24.2	-31.6		5424.4	TP				
851			0° 00' 00"												
TP+	0			+	5.2	Hi		+ 5.2	5429.6		T	0	0	673,714 2,323,042	
852	27		217° 04' (343° 22')		6.4	93°	-1.4	-7.8		5421.8		+26	-8	673,740 2,323,034	
TPu	320		193° 14' 58"		3.0	95°	-27.8	-30.8		5398.8	TP	+243	207	673,959 2,322,834	
TPu	320		(319° 32' 47")		3.0	265°	-27.8	-30.8			TP				
TP+			0° 00' 00"												
TPu	0			+	5.2	Hi		+ 5.2	5404.0		T	0	0	673,959 2,322,834	
853	40		211° 27' (350° 59')		5.9	92°	-1.4	-7.3		5396.7		+40	-6	673,999 2,322,828	

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8-20-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	143				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF.-SIERRA		Downieville-15'		CALIF.		SIERRA					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
									5407.0						
TPv	131		187° 07' 35"		8.1	93°	-6.8	-14.9			TP	+109	72	674,070	2,322,761
TPv	131		(326° 40' 22")		8.2	267°	-6.8	-15.0		5389.0	TP	+2	-1		
TPv			0° 00' 00"												
TPv	0				+ 5.15	Hi		+ 5.1	5394.1		π	0	0	674,070	2,322,761
854	230		167° 57' (314° 37')		5.7	94°	-16.0	-21.7		5372.4		+162	-164	674,232	2,322,597
TPw	430		167° 29' 38"		4.5	93° 30'	-26.2	-30.7		5363.4	TP	+299	308	674,371	2,322,452
TPw	430		(314° 10' 00")		4.5	266° 30'	-26.2	-30.7			TP	+2	-1		
TPv			0° 00' 00"												
TPw	0				+ 5.15	Hi		+ 5.1	5368.5		π	0	0	674,371	2,322,452
IF	69		152° 25' 05" (286° 35' 05')		6.7	93°	-3.6	-10.3		5358.2	IF	+20	-66	674,391	2,322,386
855	124		154° 11' (288° 21')		8.4	93°	-6.5	-14.9		5353.6		+39	-118	674,410	2,322,334
TPx	283		149° 19' 05"		10.7	93°	-14.8	-25.5		5343.0	TP	+66	275	674,439	2,322,176
TPx	283		(283° 29' 05")		10.7	267°	-14.8	-25.5			TP	+2	-1		
TPw			0° 00' 00"												
TPx	0				+ 5.3	Hi		+ 5.3	5348.3		π	0	0	674,439	2,322,176
856	167		165° 39' (269° 08')		7.1	91° 40'	-4.9	-12.0		5336.3		-3	-167	674,436	2,322,009

Y=674,315 X=2,322,390  
T-RO NORTH

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-20-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		144			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		DOWNVIEW 11E-15'		CALIF.		SIERRA								L.O. 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
									5348.3						
TP <sub>y</sub>	409		145° 05' 36"		4.7	91° 30'	-10.7	-15.4	5332.9	TP	149	381	674,292	2,321,794	
TP <sub>y</sub>	409		(248° 34' 41")		4.7	268° 30'	-10.7	-15.4							TP
TP <sub>x</sub>			0° 00' 00"												
TP <sub>y</sub>	0				+ 5.25	Hi		+ 5.2	5338.1		X	0	0	674,292	2,321,794
857	69		174° 03' (242° 38')		5.5	-		- 5.5	5332.6			- 32	- 61	674,260	2,321,733
858	400		164° 56' (233° 31')		5.5	-		- 5.5	5332.6			- 238	- 322	674,054	2,321,472
TP <sub>z</sub>	417		164° 12' 25"		5.4	90° -		- 5.4	5332.7	TP	252	332	674,042	2,321,461	
TP <sub>z</sub>	417		(232° 47' 06")		5.4	270° -		- 5.4							TP
TP <sub>y</sub>			0° 00' 00"												
TP <sub>z</sub>	0				+ 5.2	Hi		+ 5.2	5337.9		X	0	0	674,042	2,321,461
859	313		161° 45' (244° 32')		10.8	89° 40'	+ 1.8	- 9.0	5328.9			- 258	- 177	673,784	2,321,284
860 TP <sub>A</sub>	640		161° 02' 20"		4.8	91° -		- 11.2	5321.9	TP	532	356	673,512	2,321,104	
860 TP <sub>A</sub>	640		(213° 49' 26")		4.8	269° -		- 11.2							- 16.0
TP <sub>z</sub>			0° 00' 00"												
860	0				+ 5.1	Hi		+ 5.1	5327.0		X	0	0	673,512	2,321,104
861	330		186° 54' (220° 43')		7.0	91° 40'	- 9.6	- 16.6	5310.4			- 250	- 215	673,262	2,320,889
862	660		186° 23' (220° 12')		13.2	91° 40'	- 19.2	- 32.4	5294.6			- 504	- 426	673,008	2,320,678

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8-23-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	145				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF. - SIERRA		Cam Downieville-15'		CALIF.		Sierra					L.O. 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
									5327.0						
863	989		185° 50' (219° 39')		10.6	92° 20'	-40.2	-50.8		5276.2		-761	-631	672,751	2,320,473
864	1319		185° 40' (219° 29')		6.3	92° 10'	-49.8	-56.1		5270.9		-1018	-839	672,494	2,320,265
TPA	1556		185° 39' 40"		6.5	92° -	-54.3	-60.8			TP	1200	989	672,314	2,320,114
TPA	1556		(219° 29' 06")		6.6	268° -	-54.3	-60.9		5266.1	TP	"2	-1		
			0° 00' 00"												
TPA	0				+5.1	Hi		+5.1	5271.2		TP	0	0	672,314	2,320,114
865	98		192° 33' (232° 02')		4.6	91°	-1.7	-6.3		5264.9		-60	-77	672,254	2,320,037
866	426		190° 59' 20"		10.5	91° -	-7.4	-17.9			TP	-271	329	672,045	2,319,784
866	426		(230° 28' 26")		10.6	269° -	-7.4	-18.0		5253.2	TP	"2	-1		
			0° 00' 00"												
TPA	0				+5.0	Hi		+5.0	5258.2		TP	0	0	672,045	2,319,784
867	332		188° 57' (239° 25')		6.1	93° 40'	-21.2	-27.3		5230.9		-169	-286	671,876	2,319,498
868	661		186° 58' (237° 26')		12.4	93° 30'	-40.3	-52.7		5205.5		-356	-557	671,689	2,319,227
TPB	770		186° 59' 40"		10.1	94° -	-53.6	-63.7			TP	-413	648	671,634	2,319,135
TPB	770		(237° 28' 06")		10.2	266° -	-53.6	-63.8		5194.4	TP	"2	-1		
			0° 00' 00"												
TPB	0				+5.0	Hi		+5.0	5199.4		TP	0	0	671,634	2,319,135

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
8-23-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-4	146						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
No. CALIF.-SIERRA		Downieville -15'		CALIF.		SIERRA					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		
									5199.4								
869	211		151° 38' 55"		5.9	95°	-18.3	-24.2		5175.2	TP	7184	702	671,452	2,319,032		
869	211		(209° 07' 01")		5.9	265°	-18.3	-24.2			TP	r2	r1				
TPB			0° 00' 00"														
869	0				+ 5.1	Mi	+ 5.1		5180.3		TP	0	0	671,452	2,319,032		
870	329		160° 56' (190° 03')		8.0	95°	-28.6	-36.6		5143.7		-324	-57	671,128	2,318,975		
871	660		157° 48' (186° 55')		7.7	95° 20'	-61.1	-68.8		5111.5		-655	-79	670,797	2,318,953		
TPc	709		157° 54' 10"		6.2	95° 30'	-67.6	-73.8			TP	700	86	670,754	2,318,945		
TPc	709		(187° 01' 11")		6.3	264° 30'	-67.6	-73.9		5106.4	TP	r2	r1				
869			0° 00' 00"														
TPc	0				+ 4.95	Mi	+ 4.9		5111.3		TP	0	0	670,754	2,318,945		
872	280		196° 34' (203° 35')		3.9	95° 30'	-26.7	-30.6		5080.7		-257	-112	670,497	2,318,833		
TPD	520		195° 40' 05"		5.2	95° 30'	-49.6	-54.8		5056.5	TP	-478	200	670,278	2,318,744		
TPD	520		(202° 41' 16")		5.2	264° 30'	-49.6	-54.8			TP	r2	r1				
TPB			0° 00' 00"														
TPD	0				+ 4.95	Mi	+ 4.9		5061.4		TP	0	0	670,278	2,318,744		
873	97		201° 06' (223° 47')		6.2	95°	-8.4	-14.6		5046.8		-70	-67	670,208	2,318,677		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8-23-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	147				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
No. CALIF.-SIERRA		Downieville - Alleghany		CALIF.		SIERRA					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
									5061.4						
TPE	317		202° 56' 19"		5.0	95°	27.5	32.5		5028.9	TP	221	226	670,059	2,318,517
TPE	317		(225° 37' 35")		5.1	265°	27.5	32.6			TP	+2	-1		
TPD			0° 00' 00"												
TPE	0			+ 4.9	Mi			+4.9	5033.8		TP	0	0	670,059	2,318,517
874	109		177° 28' (223° 06')		4.8	96°	11.3	16.1		5017.7		-80	-74	669,979	2,318,443
IF	421		165° 30' 19" (211° 07' 54")		8.6	94°	29.3	37.9		4995.9	IF	+359	217	669,700	2,318,300
875	439		166° 43' (212° 21')		4.2	94° 30'	34.3	38.5		4995.3		-371	-235	669,688	2,318,282
876	770		166° 19' 27"		5.5	92° 30'	33.6	39.1	4974	4994.7	TP	652	708	669,407	2,318,109
876	770		(212° 02' 08")		5.5	267° 30'	33.6	39.1			TP				
															CORRECTED AZIMUTH AT THIS POINT. SUNSHOT.
TPE			0° 00' 00"												
876	0			+ 4.9	Mi			+4.9	4999.6		TP	0	0	669,407	2,318,109
877	347		225° 21' 55"		4.9	96°	36.1	41.0		4958.6	TP	75	337	669,332	2,317,772
877	347		(257° 24' 03")		4.9	264°	36.1	41.0			TP				
876			0° 00' 00"												
877	0			+ 5.0	Mi			+5.0	4963.6		TP	0	0	669,332	2,317,772
878	330		211° 54' 55"		5.5	95°	28.7	34.2			TP	+109	310	669,441	2,317,462
878	330		(289° 18' 58")		5.6	265°	28.7	34.3		4929.3	TP				

669,700 x - 2,318,300  
 INTERSECT Horiz. line  
 DOWNIEVILLE - IS 14-14  
 ALLEGHANY - IS 18-30  
 CORRECTED AZIMUTH AT THIS POINT.  
 SUNSHOT.

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-23-82		B. Catcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		148			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
877			0° 00' 00"							4929.3					
878	0				+ 5.15	Hi		+5.13	4934.4		π	0	0	669,441	2,317,462
879	330		152° 14' 05"		3.7	96°	-34.3	-38.0			TP	-48	325	669,393	2,317,137
879	330		(261° 33' 03')		3.8	264°	-34.3	-38.1		4896.3	TP				ACROSS STA.
878			0° 00' 00"												
879	0				+ 5.15	Hi		+5.13	4901.4		π	0	0	669,393	2,317,137
TP <sub>F</sub>	221		198° 58' 15"		5.8	95° 30'	-21.1	-26.9		4874.5	TP	+40	216	669,433	2,316,921
TP <sub>F</sub>	221		(280° 31' 18")		5.8	264° 30'	-21.1	-26.9			TP				
879			0° 00' 00"												
TP <sub>F</sub>	0				+ 5.1	Hi		+5.13	4879.6		π	0	0	669,433	2,316,921
880	75		137° 42' (238° 13')		7.5	93°	3.9	11.4		4868.2		-39	-64	669,394	2,316,857
881	390		113° 09' (213° 40')		10.6	94° 30'	30.5	41.1		4838.5		-324	-216	669,109	2,316,705
TP <sub>G</sub>	438		112° 57' 59"		4.1	95° 30'	-41.8	-45.9		4833.7	TP	364	241	669,069	2,316,680
TP <sub>G</sub>	438		(213° 29' 17")		4.0	264° 30'	-41.8	-45.8			TP				
TP <sub>F</sub>			0° 00' 00"												
TP <sub>G</sub>	0				+ 5.1	Hi		+5.13	4838.8		π	0	0	669,069	2,316,680

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-23-82		B. Cotcamp		D. Ham. Hon		6834		Jm		C.A.-7		149			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		ALLEGANY 15'		CALIF.		SIERRA								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
									4838.8						
882	280		245° 21' (278° 50')		8.6	94°	19.5	28.1		4810.7		+43	-277	669,112	2,316,404
TP4	331		245° 50' 25"		5.6	94° 30'	25.9	31.5			TP	+53	326	669,123	2,316,354
TP4	331		(279° 19' 42")		5.7	265° 30'	25.9	31.6		4807.2	TP				
TP6			0° 00' 00"												
TP4	0				+5.45	Mi		+5.4	4812.6		TP	0	0	669,123	2,316,354
883	280		213° 58' (313° 18')		6.4	95°	24.3	30.7		4781.9		+192	204	669,315	2,316,150
TP2	420		209° 01' 59"		7.8	94° 36'	32.9	40.7			TP	+260	328	669,383	2,316,026
TP2	420		(308° 21' 41")		7.9	265° 30'	32.9	40.8		4771.8	TP				
TP4			0° 00' 00"												
TP2	0				+5.2	Mi		+5.2	4777.0		TP	0	0	669,383	2,316,026
884	180		144° 51' (273° 13')		2.9	95°	75.6	78.5		4358.5		+10	180	669,393	2,315,846
885	509		141° 40' (270° 02')		7.9	94°	35.4	43.3		4733.7		± 0	509	669,383	2,315,517
TP5	678		140° 30' 02"		5.3	94°	47.2	52.5		4724.5	TP	-13	676	669,370	2,315,350
TP5	678		(268° 51' 43")		5.2	266°	47.2	52.4			TP				
TP2			0° 00' 00"												
TP5	0				+4.9	Mi		+4.9	4729.4		TP	0	0	669,370	2,315,350
886	165		160° 05' (248° 51')		6.2	94°	71.5	77.7		4711.7		-59	-154	669,311	2,315,196

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-23-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		150			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		Alleghany-15'		CALIF.		SIERRA								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
									4729.4						
TP <sub>K</sub>	446		153° 26' 58"		4.6	93° 30'	27.2	31.8			TP	207	394	669,163	2,314,956
TP <sub>K</sub>	446		(242° 18' 41")		4.7	266° 30'	27.2	31.9		4697.5	TP				
TP <sub>K</sub>			0° 00' 00"												
TP <sub>K</sub>	0				+ 5.25	Hi		+5.2	4702.7		π	0	0	669,163	2,314,956
887	46		154° 57' (217° 16')		6.9	-		-6.9	4695.8			-37	28	669,126	2,314,928
TP <sub>L</sub>	250		159° 02' 35"		3.4	94° 0'	17.4	20.8	4681.9		TP	-187	165	668,976	2,314,791
TP <sub>L</sub>	250		(221° 21' 16")		3.3	266° -	17.4	20.7			TP				
TP <sub>K</sub>			0° 00' 00"												
TP <sub>L</sub>	0				+ 5.05	Hi		+5.0	4686.9		π	0	0	668,976	2,314,791
888	134		223° 45' (265° 11')		7.6	94° -	9.3	16.9	4670.0			-11	134	668,965	2,314,657
TP <sub>M</sub>	230		225° 34' 45"		3.2	95° 30'	21.9	25.1	4661.8		TP	-12	229	668,964	2,314,562
TP <sub>M</sub>	230		(266° 56' 01")		3.1	264° 30'	21.9	25.0			TP				
TP <sub>L</sub>			0° 00' 00"												
TP <sub>M</sub>	0				+ 5.25	Hi		+5.2	4667.0		π	0	0	668,964	2,314,562
889	238		198° 35' (285° 31')		10.1	95° -	20.7	30.8	4636.2			+64	229	669,028	2,314,333

SURVEY NOTES - HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-23-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A. 7		151				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF. - SIERRA		ALLEGANY - 15'		CALIF.		SIERRA								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
									4667.0							
TP <sub>N</sub>	289		194° 58' 50"		2.2	97°	35.0	37.2			TP	+59	281	669,023	2,314,281	B.I.
TP <sub>N</sub>	289		(281° 54' 51")		2.3	263°	35.0	37.3		4629.7	TP					
TP <sub>m</sub>			0° 00' 00"													
TP <sub>N</sub>	0				+ 4.95	Hi		+4.9	4634.6		X	0	0	669,023	2,314,281	
TP <sub>0</sub>	202		147° 01' 25"		3.5	97°	24.4	27.9	4		TP	-72	187	668,951	2,314,094	
TP <sub>0</sub>	202		248° 56' 16"		3.6	263°	24.4	28.0		4606.6	TP					
TP <sub>N</sub>			0° 00' 00"													
TP <sub>0</sub>	0				+ 5.2	Hi		+5.2	4611.8		X	0	0	668,951	2,314,094	Around 90°
890	89		253° 02' (321° 58')		4.9	91°	1.6	6.5		4605.3		+70	55	669,021	2,314,039	CORNER.
891	416		258° 07' (327° 03')		7.2	-		-7.2		4604.6		+349	226	669,300	2,313,868	
	416															
TP <sub>P</sub>	539		257° 25' 45"		9.1	-		-9.1			TP	+449	299	669,400	2,313,795	
TP <sub>P</sub>	539		(326° 22' 01")		9.2	-		-9.2		4602.6	TP					
TP <sub>0</sub>			0° 00' 00"													
TP <sub>P</sub>	0				+ 5.1	Hi		+5.1	4607.7		X	0	0	669,400	2,313,295	
892	201		164° 50' (311° 12')		7.0	94°	14.0	21.0		4586.7		+132	151	669,532	2,313,644	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8-23-82		B. Cotcamp		D. Hamilton		6834		D.H. dm		C.A.-7	152					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF.-SIERRA		Allegany-15'-Downieville		CALIF.		SIERRA					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
									4607.7							
893	528		155° 09' (301° 31')		6.7	94°	36.7	43.4		4564.3		+276	450	669,676	2,313,345	Allegany-15' ↑
TPa	562		155° 04' 35"		4.8	94°	39.1	439.2			TP	+292	478	669,692	2,313,317	Downieville-15' ↓
TPa	562		(301° 26' 36")		4.9	266°	39.1	44.0		4563.7	TP					
TPp			0° 00' 00"													
TPa	0				+5.15	Hi		+5.1	4568.8		T	0	0	669,692	2,313,317	y=669,675 x=2,313,195
71	93		140° 50' 55" (262° 17' 31")		3.1	-		-3.1	4565.7		71	12	92	669,680	2,313,225	INT. EL. 4563.0
894	267		107° 36' (229° 03')		4.5	86°	+18.6	+14.1	4582.9			-175	202	669,517	2,313,115	MISTIE - +2.7
TPe	329		107° 23' 42"		1.7	86°	+22.9	+21.2	4587.3		TP	216	247	669,476	2,313,070	CORRECTED ELEVATION OF STATION -2.7
TPe	329		(228° 50' 18")		1.6	274°	+22.9	+21.3			TP					Downieville-15' ↑
TPa			0° 00' 00"													Allegany-15' ↓
TPe	0				+4.95	Hi		+4.9	4592.2		T	0	0	669,476	2,313,070	
TPs	214		175° 00' 19"		2.9	85°	+18.6	+15.7			TP	754	748	669,322	2,312,922	
TPs	214		(223° 50' 37")		3.0	265° 27' 5" B.C.C	+18.6	+15.6	4607.8		TP					
TPe			0° 00' 00"													
TPs	0				+4.85	Hi		+4.8	4612.6		T	0	0	669,322	2,312,922	
895	62		213° 57' (257° 48')		4.9	85° 30'	+4.8	0.1	4612.5			-13	-61	669,309	2,312,861	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-23-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		CA.7		153			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
									4612.6						
TP	330		210° 02' 39"		3.5	86° 0'	+23.0	+19.5		4632.1	TP	-91	316	669,231	2,312,606
TP	330		(253° 53' 16")		3.5	274° -	+23.0	+19.5			TP				
TPs			0° 00' 00"												
TP	0				+ 5.05	Mi		+5.03	4637.1		TP	0	0	669,231	2,312,606
896	82		232° 31' (306° 29')		6.2	86° 30'	+5.0	1.2		4635.9		+49	-66	669,280	2,312,540
897	386		231° 21' (305° 14')		9.3	86° 30'	+23.5	+14.2		4651.3		+223	-315	669,454	2,312,291
TPu	409		227° 49' 35"		2.9	87° 30'	+17.8	+14.9			TP	+215	347	669,446	2,312,259
TPu	409		(301° 48' 53")		3.0	272° 30'	+17.8	+14.8		4651.9	TP				Around 180° corner
TP			0° 00' 00"												
TPu	0				+ 5.15	Mi		+5.13	4657.0		TP	0	0	669,446	2,312,259
898	264		88° 00' (209° 49')		4.1	TH	+1.3	2.8		4654.2		-229	-131	669,217	2,312,128
TPv	282		78° 27' 27"		3.9	89° 30'	+2.5	1.4		4655.6	TP	265	98	669,181	2,312,161
TPv	282		(200° 16' 20")		3.8	270° 30'	+2.5	1.3			TP				
TPu			0° 00' 00"												
TPv	0				+ 5.15	Mi		+5.13	4660.7		TP	0	0	669,181	2,312,161
TPw	171		156° 57' 42"		0.5	-	-0.5			4660.2	TP	-171	+8	669,011	2,312,169
TPw	171		(171° 14' 02")		0.4	270°	0.4				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			
8-23-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	154			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
NO. CALIF.-SIERRA		ALLEGHANY-15'		CALIF.		SIERRA					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.	
TP			0° 00' 00"							4660.2				
TPw	0			+ 5.05 Hi			+5.0		4665.2		X	0	0	669,011 2,312,169
899	133		228° 18' (225° 32')		7.1	88° -	+4.6	2.5		4662.7		-93	-95	668,918 2,312,074 AROUND 90°
900	331		167° 20' 22"		4.8	88° -	+11.5	+6.7		4671.9	TP	319	+88	668,692 2,312,257
900	331		(164° 34' 24")		4.7	272° -	+11.5	+6.8			TP			
TPw			0° 00' 00"											
900	0			+ 5.2 Hi			+5.2		4677.1		X	0	0	668,692 2,312,257
901	324		223° 55' (208° 29')		2.9	88° -	+11.3	+8.4		4685.5		-285	-155	668,407 2,312,102 AROUND
902	652		222° 32' 25"		6.5	87° 20'	+30.3	+23.8			TP	580	297	668,112 2,311,960 CORNER
902	652		(207° 06' 49")		6.6	272° 40'	+30.3	+23.7		4700.8	TP			
900	⊕		0° 00' 00"											
902	0			+ 5.2 Hi			+5.2		4706.0		X	0	0	668,112 2,311,960
903	300		170° 36' (197° 43')		8.9	88° -	+10.5	+1.6		4707.6		-286	-91	667,826 2,311,869
TPA	339		170° 37' 01"		14.0	88° -	+11.8	-2.2		4703.8	TP	323	103	667,189 2,311,857
TPA	339		(197° 43' 50")		13.9	272° -	+11.8	-2.1			TP			
902	⊕		0° 00' 00"											⊕ High rod foot 0° 00' 00"



SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445.

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-24-82		B Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		156			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
									4708.6						
907	68		271° 27' (319° 50')		5.4	-		-5.4		4703.2		+52	-44	666,795	2,311,198
908	390		273° 39' (322° 02')		5.4	-		-5.4		4703.2		+307	-240	667,050	2,311,002
TPe	418		272° 45' 54"		4.7	-		-4.7			TP	+326	262	667,069	2,310,980
TPe	418		(321° 08' 50")		4.8	270° -		-4.8		4703.8	TP				
TPD			0° 00' 00"												
TPe	0				+ 5.15	Mi		+5.1	4708.9		TP	0	0	667,069	2,310,980
TPF	188		146° 09' 27"		1.7	89° 30'	+1.6	0.1			TP	+56	179	667,125	2,310,801
TPF	188		(287° 18' 17")		1.8	270° 30'	+1.6	0.2		4708.7	TP				
TPe			0° 00' 00"												
TPF	0				+ 5.1	Mi		+5.1	4713.8		TP	0	0	667,125	2,310,801
909	102		163° 15' (270° 33')		4.6	88° -	+3.6	1.0		4712.8		+1	102	667,126	2,310,699
TPG	221		167° 05' 25"		3.6	87° 30'	+9.6	+6.0		4719.8	TP	+17	220	667,142	2,310,581
TPG	221		(274° 23' 42")		3.6	272° 30'	+9.6	+6.0			TP				ACROSS ROAD (B.T)
TPF															
TPG	0				+ 5.25	Mi		+5.2	4725.0		TP	0	0	667,142	2,310,581
910	220		215° 19' (309° 43')		3.4	86° -	+15.3	+11.9		4736.9		+141	-169	667,283	2,310,412

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-24-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		157			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		Alleghany-15		CALIF.		SIERRA								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
									4725.0						
TPH	328		217° 36' 23"		2.8	86°	+22.8	+20.0			TP	+219	-243	667,361	2,319,338
TPH	328		(312° 00' 05")		2.9	274°	+22.8	+19.9		4774.9	TP				
TPG			0° 00' 00"												
TPH	0				+ 5.1	4i		+5.1	4750.0		X	0	0	667,361	2,319,338
911	236		227° 15' (359° 15')		4.7	86°	+16.4	+11.7		4761.7		+236	-3	667,597	2,310,335
912	310		165° 38' (297° 30')		10.2	82° 20'	+41.0	+30.8		4780.8		+143	-275	667,504	2,310,063
TPE	399	396.0	149° 06' 10"		6.0	83°	+48.3	+42.3			TP	+76	-389	667,437	2,309,949
TPE	399		(281° 06' 15")		6.1	277°	+48.3	+42.2		4792.2	TP				CORNER.
TPM			0° 00' 00"												
TPE	0				+ 5.1	4i		+5.1	4797.3		X	0	0	667,437	2,309,949
913	207		153° 42' (254° 48')		4.3	86°	+14.4	+10.1		4807.4		-54	-206	667,383	2,309,749
TPJ	283		155° 24' 50"		1.8	86° 30'	+17.2	+15.4			TP	-66	-275	667,371	2,309,674
TPJ	283		(256° 31' 05")		1.9	273° 30'	+17.2	+15.3		4812.6	TP				
TPJ			0° 00' 00"												
TPJ	0				+ 5.05	4i		+5.0	4817.6		X	0	0	667,371	2,309,674
914	262		227° 59' (329° 05')		5.8	85°	+22.7	+16.9		4831.5		+225	-135	667,596	2,309,539

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-24-82		B. Cotcamp		O. Hamilton		6834		O.H. Jm		C.A.-7		158			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		ALLEGHANY - 15'		CALIF.		SIERRA								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
									4817.6						
915	588		223° 24' 01"		7.8	85°	+51.1	+43.3			TP	+292	308	667,663	2,309,166
915	588		(299° 55' 06")		7.7	275°	+51.1	+43.2		4860.8	TP				
TP5			0° 00' 00"												
915	0				+5.1	Hi		+5.1	4865.9		TP	0	0	667,663	2,309,166 AROUND
916	319		80° 24' (200° A)		5.3	86°	+22.2	+16.9		4882.8		-299	-111	667,364	2,309,055 90° CORNER
917	648		77° 29' (197° 24')		7.3	85° 30'	+50.7	+43.4		4909.3		-618	-194	667,045	2,308,972
918	978		76° 29' (196° 24')		7.8	85° 30'	+76.5	+68.7		4934.6		-938	-276	666,725	2,308,890
TPK	1078		76° 29' 35"		7.3	85° 30'	+84.3	+77.0		4942.9	TP	1031	304	666,632	2,308,862 ACROSS ROAD
TPK	1078		(196° 24' 41")		7.1	274° 30'	+84.3	+77.2			TP				
915			0° 00' 00"												
TPK	0				+5.2	Hi		+5.2	4948.1		TP	0	0	666,632	2,308,862
TPREF	47		198° 02' 55"		3.0	-		-3.0		4945.1	TP	39	27	666,593	2,308,835 ACROSS ROAD
TPREF	47		(214° 26' 36")		2.9	270°		-2.9			TP				
TPK			0° 00' 00"												
TPREF	0				+5.0	Hi		+5.0	4950.1		TP	0	0	666,593	2,308,835
919	200		200° 26' (234° 53')		5.1	88° 30'	+5.2	+0.1		4950.2		-115	-164	666,478	2,308,671

SURVEY NOTES-HIGH RESOLUTION DATA  
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8-24-82		B. Cotamp		D. Hamilton		6834		D.H. Jm		C.A. 7	159				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF. - SIERRA		ALLEGANY- 15'		CALIF.		SIERRA					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
									4950.1						
TP <sub>L</sub>	260		201° 20' 56"		3.3	89°	+4.5	+1.2		4951.3	TP	-146	215	666,447	2,308,620
TP <sub>L</sub>	260		(235° 47' 32")		3.2	271°	+4.5	+1.3			TP				
TP <sub>REF.</sub>			0° 00' 00"												
TP <sub>L</sub>	0				+ 4.9	Mi		+4.9	4956.2		TP	0	0	666,447	2,308,620
SEC. COR.	156		117° 03' 45" (172° 51' 17")		6.8	94°	70.9	17.7		4938.5	SEC. COR.	755	+19	666,292	2,308,639
TP <sub>M</sub>	230		224° 37' 45"		7.5	-		-7.5			TP	+42	226	666,489	2,308,394
TP <sub>M</sub>	230		(280 25' 17")		7.6	270°		-7.6		4948.6	TP				
TP <sub>L</sub>			0° 00' 00"												
TP <sub>M</sub>	0				+ 5.15	Mi		+5.1	4953.7		TP	0	0	666,489	2,308,394
920	60		225° 26' (325° 51')		4.3	-		-4.3		4949.4		+50	34	666,539	2,308,360
921	388		214° 41' (315° 06')		3.4	-		-3.4		4950.3		+275	-274	666,764	2,308,120
922	718		215° 10' (315° 35')		7.5	89° 30'	+6.3	7.2		4952.5		+513	-563	667,002	2,307,891
923 TP <sub>N</sub>	1048		214° 48' 18"		12.4	89° 30'	+9.1	3.3			TP	+744	738	667,233	2,307,656
923 TP <sub>N</sub>	1048		315° 12' 34"		12.5	89° 30' R	+9.1	3.4		4950.3	TP				
TP <sub>M</sub>			0° 00' 00"												
923	0				+ 5.25	Mi		+5.2	4955.5		TP	0	0	667,233	2,307,656

U.S. CADASTRAL SURVEY 24119 25130

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-24-82		B. Cotcamp		D. Hamilton		6834		D.H. <i>Ln</i>		C.A.-7		160			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		ALLEGHANY - 15'		CALIF.		SIERRA								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
									4955.5						
924	330		187° 44' (322° 57')		9.8	-		-9.8		4945.7		+263	-199	667,496	2,307,457
TP <sub>N</sub>	589		185° 56' 38"		8.4	89° 30'	+5.1	3.3			TP	+459	369	667,692	2,307,287
TP <sub>N</sub>	589		(321° 09' 12")		8.5	270° 30'	+5.1	3.4		4952.1	TP				
923			0° 00' 00"												
TP <sub>N</sub>	0				+ 5.05	Hi		+5.0	4957.1		X	0	0	667,692	2,307,287
925	67		183° 35' (324° 44')		8.4	-		-8.4		4948.7		+55	-39	667,747	2,307,248
TP <sub>O</sub>	340		172° 49' 58"		8.5	92° 30'	-14.8	23.3		4933.8	TP	+236	244	667,928	2,307,043
TP <sub>O</sub>	340		(313° 59' 10")		8.4	267° 30'	-14.8	23.2			TP				
TP <sub>N</sub>			0° 00' 00"												
TP <sub>O</sub>	0				+ 5.25	Hi		+5.2	4939.0		X	0	0	667,928	2,307,043
926	59		146° 17' (280° 16')		7.4	91° -	-1.0	-8.4		4930.6		+11	-58	667,939	2,306,985
TP <sub>P</sub>	262		132° 44' 20"		3.2	93° -	-13.7	-16.9		4922.1	TP	-75	-261	667,913	2,306,782
TP <sub>P</sub>	262		(266° 43' 30")		3.2	267° -	-13.7	-16.9			TP				
TP <sub>O</sub>			0° 00' 00"												
TP <sub>P</sub>	0				+ 4.95	Hi		+4.9	4927.0		X	0	0	667,913	2,306,782
927	123		160° 15' (248° 58')		8.0	-		-8.0		4919.0		-48	-113	667,865	2,306,669

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-24-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		161			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
No. CALIF. - SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
			0° 00' 00"						4927.0						
TP <sub>Q</sub>	224		147° 23' 08"		3.2	92°	-7.8	11.0			TP	131	181	667,782	2,306,601
TP <sub>Q</sub>	224		(234° 06' 38")		3.3	268°	-7.8	11.1		4915.9	TP				
TP <sub>P</sub>			0° 00' 00"												
TP <sub>Q</sub>	0				+5.1	Hi		+5.1	4921.0		π	0	0	667,782	2,306,601
928	219		154° 03' (208° 10')		6.5	93°	11.4	17.9		4903.1		-193	103	667,589	2,306,498
TP <sub>R</sub>	430		153° 54' 27"		6.1	93° 30'	26.2	32.3			TP	379	202	667,403	2,306,399
TP <sub>R</sub>	430		(208° 01' 05")		6.2	266° 30'	-26.2	32.4		4888.6	TP				
TP <sub>Q</sub>	0		0° 00' 00"												
TP <sub>R</sub>	0				+5.05	Hi		+5.0	4873.6		π	0	0	667,403	2,306,399
929	127		205° 03' (233° 04')		7.0	94°	8.8	15.8		4877.8		-76	102	667,327	2,306,297
930	556		208° 31' (236° 32')		12.8	93° 40'	35.5	48.3		4845.3		-307	-464	667,096	2,305,935
TP <sub>S</sub>	618		207° 18' 21"		5.2	94° 30'	48.3	53.5		4840.1	TP	351	507	667,052	2,305,892
TP <sub>S</sub>	618		(235° 19' 26")		5.1	265° 30'	-48.3	53.4			TP				
TP <sub>R</sub>			0° 00' 00"												
TP <sub>S</sub>	0				+5.05	Hi		+5.0	4845.1		π	0	0	667,052	2,305,892
931	167		177° 01' (232° 20')		3.1	95°	14.5	17.6		4827.5		-102	-132	666,950	2,305,760

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-24-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-4		162			
AREA NO.		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.-SIERRA		Alleghany -15'		CALIF.		SIERRA								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
									4845.1						
TP	390		177° 40' 25"		5.6	94° 30'	30.5	36.1		4808.9	TP	234	311	666,818	2,305,581
TP	390		(232° 59' 31")		5.7	265° 30'	30.5	36.2			TP				
TP			0° 00' 00"												
TP	0				+ 5.05 Hi			+5.0	4813.9		TP	0	0	666,818	2,305,581
932	101		170° 01' (223° 01')		6.5	93° -	5.3	11.8		4802.1		-74	-69	666,744	2,305,512
TP	361		165° 06' 18"		5.4	94° -	25.1	30.5		4783.4	TP	283	222	666,535	2,305,359
TP	361		(218° 06' 09")		5.3	266° -	25.1	30.4			TP				
TP			0° 00' 00"												
TP	0				+ 5.1 Hi			+5.1	4788.5		TP	0	0	666,535	2,305,359
933	82		232° 08' (270° 14')		6.4	94° -	5.7	12.1		4776.4		±0	-82	666,535	2,305,277
TP	238		239° 00' 40"		3.7	95° -	20.7	24.4		4769.1	TP	+29	235	666,564	2,305,124
TP	238		(271° 06' 49")		3.6	265° -	20.7	24.3			TP				
TP			0° 00' 00"												
TP	0				+ 5.25 Hi			+5.2	4769.3		TP	0	0	666,564	2,305,124
934	182		204° 42' (300° 49')		7.2	94° -	12.7	19.9		4749.4		+96	-155	666,660	2,304,969
935	512		203° 30' (300° 37')		8.1	94° -	35.6	43.7		4725.6		+261	-441	666,825	2,304,683

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-25-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		163				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF. - SIERRA		Alleghany - 15'		CALIF.		SIERRA								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	X
TPA	632		202° 14' 38"		9.3	94°	-44.0	-53.3	4769.3		TP	+309	550	666,873	2,304,574	
TPA	632		(299° 21' 27")		9.4	266°	-44.0	-53.4		4715.9	TP					
TPB			0° 00' 00"													
TPA	0				+ 5.3	Mi.		+5.3	4721.2		TP	0	0	666,873	2,304,574	
936	208		167° 51' (287° 12')		5.1	94°	-14.5	-19.6		4701.6		+62	-199	666,935	2,304,375	4-666,980 x 2,304,095
IF	484		166° 12' 19"		2.9	94°	-33.7	-36.6			TP	+130	765	667,003	2,304,109	IF 4-ROAD NORTH EL. 4682.0
IF	484		(285° 33' 46")		3.0	266°	-33.7	-36.7		4684.5	TP					
TPA			0° 00' 00"													
IF	0				+ 5.25	Mi.		+5.2	4689.7		TP	0	0	667,003	2,304,109	
937	53		182° 05' (287° 36')		8.4	87°	+2.8	5.6		4684.1		+16	-51	667,019	2,304,058	
938	380		169° 06' (271° 51')		5.4	87°	+19.9	+14.5		4704.2		+31	-379	667,034	2,303,730	
TPB	529	528.0	165° 58' 41"		6.0	86° 30'	+32.2	+26.2			TP	+14	-528	667,015	2,303,581	
TPB	529		(271° 29' 14")		6.1	273° 30'	+32.2	+26.1		4715.8	TP	-2				
IF			0° 00' 00"													
TPB	0				+ 5.05	Mi.		+5.0	4720.8		TP	0	0	667,015	2,303,581	magnetic 73° 39' 17"
939	178		162° 02' (253° 31')		5.6	87°	+9.3	+3.7		4724.5		-51	-171	666,964	2,303,410	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445.

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-25-82		B. Cotcamp		D. Hamilton		6834		P.H. Jr		C.A.-7		164				
AREA NO.		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
CALIF.-SIERRA		Alleghany-15'		CALIF.		SIERRA								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
940	504		159° 13' (250° 42')		9.0	87° 30'	+22.0	+13.0		4733.8		-167	-476	666,848	2,303,105	
941	836		158° 06' 02"		8.2	88° 00'	+29.2	+21.0			TP	-291	-783	666,722	2,302,798	B.T.
941	836		(249° 35' 16")		8.3	272° -	+29.2	+20.9		4741.7	TP	-2				
TP0			0° 00' 00"													
941	0				+ 5.2	Mi.		+5.2		4746.9	X	0	0	666,722	2,302,798	
942	330		161° 46' (231° 21')		11.2	91° 30'	-8.6	-19.8		4727.1		-206	-258	666,516	2,302,540	
TPc	560		162° 17' 23"		6.8	92° -	-19.5	-26.3			TP	-346	-440	666,374	2,302,358	
TPc	560		(231° 52' 39")		6.9	268° -	-19.5	-26.4		4720.5	TP	-2				
941			0° 00' 00"													
TPc	0				+ 5.05	Mi.		+5.0		4725.5	X	0	0	666,374	2,302,358	
943	109		214° 22' (266° 15')		8.4	88° 30'	+2.9	5.5		4720.0		-7	-109	666,367	2,302,249	
944	439		212° 39' (264° 32')		8.9	89° -	+7.7	7.2		4724.8		-42	-437	666,332	2,301,921	
TP0	666		210° 02' 30"		5.9	89° 30'	+5.8	-0.1			TP	-94	-659	666,278	2,301,699	
TP0	666		(261° 55' 09")		6.0	270° 30'	+5.8	-0.2		4725.3	TP	-2				
TPc			0° 00' 00"													
TP0	0				+ 5.1	Mi.		+5.1		4730.4	X	0	0	666,278	2,301,699	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-25-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		165				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF. - SIERRA		Alleghany - 15'		CALIF.		SIERRA								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
945	96		147° 39' (229° 34')		7.9	-		-7.9		4722.5		-62	-73	666,216	2,301,626	
TP E	139		145° 29' 07"		8.7	-		-8.7			TP	-94	-102	666,182	2,301,597	
TP E	139		(227° 24' 16")		8.8	270°		-8.8		4721.6	TP					
TP D			0° 00' 00"													
TP E	0				+ 4.95	Hi		+ 4.9	4726.5		TP	0	0	666,182	2,301,597	
946	284		159° 28' (206° 52')		6.9	91° 30'	-7.4	-7.4		4712.2		-253	-128	665,929	2,301,469	
947	616		158° 54' 39"		6.1	91° 30'	-16.1	-22.2		4704.3	TP	-552	-273	665,628	2,301,324	ACROSS
947	616		(206° 18' 55")		6.1	268° 30'	-16.1	-22.2			TP					STA.
TP E			0° 00' 00"													
947	0				+ 5.1	Hi		+ 5.1	4709.4		TP	0	0	665,628	2,301,324	
948	330		220° 09' (246° 28')		6.9	-		-6.9		4702.5		-132	-303	665,496	2,301,021	
TP F	441		222° 02' 39"		6.1	-		-6.1		4703.3	TP	-163	-410	665,463	2,300,914	ACROSS ROAD
TP F	441		(248° 21' 34")		6.2	270°		-6.2			TP					
947			0° 00' 00"													
TP F	0				+ 4.65	Hi		+ 4.6	4707.9		TP	0	0	665,463	2,300,914	
949	220		196° 44' (265° 06')		3.8	89°	+ 3.8	0.0		4707.9		-19	-219	665,444	2,300,695	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-25-82		B. Cotcamp		D. Hamilton		6834		O. H. J.		C.A.-7		166				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
No. CALIF.-SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
950	550		198° 53' (267° 15')		9.8	89° -	+9.6	-0.2		4707.7		-26	-549	665,437	2,300,365	
TPG	600		198° 30' 25"		6.2	89° 30'	+5.2	-1.0		4706.9	TP	-33	-599	665,428	2,300,315	
TPG	600		(266° 51' 59")		6.3	270° 30'	+5.2	-1.1			TP	-2				
TPF			0° 00' 00"													
TPG	0				+4.9	Mi	+4.9		4711.8		X	0	0	665,428	2,300,315	
951	280		213° 11' (300° 03')		7.0	90° 30'	-2.4	-9.4		4702.4		+140	-242	665,568	2,300,073	
TPH	561		217° 13' 56"		10.2	90° 30'	-4.9	-15.1		4696.7	TP	+315	-465	665,741	2,299,850	
TPH	561		(304° 05' 55")		10.3	269° 30'	-4.9	-15.2			TP	-2				
TPG	0		0° 00' 00"													STAPIA Rod
TPH	0				+5.0	Mi	+5.0		4701.7		X	0	0	665,741	2,299,850	
952	47		188° 54' (313° 00')		5.1	93° -	-2.5	-7.6		4694.1		+32	-34	665,773	2,299,816	
TPS	143		181° 03' 17"		0.9	95° 30'	-13.6	-14.5		4687.2	TP	+82	-116	665,821	2,299,734	
TPS	143		(305° 09' 12")		0.9	264° 30'	-13.6	-14.5			TP	-2				
TPH			0° 00' 00"													
TPH	0				+5.2	Mi	+5.2		4692.4		X	0	0	665,821	2,299,734	
953	219		125° 07' (250° 16')		6.5	95° -	-19.0	-25.5		4666.9		-74	-206	665,747	2,299,528	

SURVEY NOTES - HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-25-82		B. Colcamp		D. Hamilton		6834		D.H. Jm		C.A.-7		167				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF. - SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
954	549		122° 37' (247° 46')		6.6	95°	-47.7	54.3		4638.1		-208	-508	665,613	2,299,226	
955	878		123° 44' (248° 53')		9.9	94° 30'	-68.7	78.6		4613.8		-316	-819	665,505	2,298,915	
956	1206		123° 47' (248° 56')		5.3	94° 20'	-90.9	96.2		4596.2		-434	-1125	665,387	2,298,609	
957	1531		126° 16' (251° 25')		9.5	93° 30'	-93.3	102.8		4589.6		-488	-1451	665,333	2,298,283	
TPj	1701 - 1706	1698.7	126° 30' 55'		11.2	93°	-88.9	-100.1		4592.3	TP	-534	-1612	665,285	2,298,122	ACROSS
TPj	1701		(251° 40' 07")		11.4	267°	-88.9	-100.3			TP	-2				ROAD
TPi			0° 00' 00"													
TPk	0				+ 5.05	Hi		+ 5.0		4597.3	TP	0	0	665,285	2,298,122	
958	169		206° 32' (278° 12')		5.3	91° 30'	-4.4	9.7		4587.6		+24	-167	665,309	2,297,955	
TPk	349		204° 06' 19"		2.9	92° 30'	-15.2	-18.1		4579.2	TP	+35	-347	665,318	2,297,775	
TPk	349		(275° 46' 26")		2.9	267° 30'	-15.2	-18.1			TP	-2				
TPj			0° 00' 00"													
TPk	0				+ 5.15	Hi		+ 5.1		4584.3	TP	0	0	665,318	2,297,775	ACROSS ROAD
959	152		196° 33' (292° 19')		5.8	93° 30'	-9.3	75.1		4569.2		+58	-141	665,376	2,297,634	
TPi	425		197° 15' 05"		4.4	93° 30'	-25.9	-30.3		4554.0	TP	+166	-390	665,482	2,297,385	
TPi	425		(293° 01' 31")		4.5	266° 30'	-25.9	-30.4			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			
8-25-82		B Cotcamp		D. Hamilton		6834		P.H. Jor		C.A.-7		168			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
TPk			0° 00' 00"												
TP <sub>2</sub>	0				+ 5.1	M.		+ 5.1	4559.1		TP	0	0	665,482	2,297,385
960	55		174° 46' (287° 48')		6.2	-		-6.2		4552.9		+17	-52	665,499	2,297,333
961	380		151° 08' (264° 10')		9.5	-		-9.5		4549.6		-39	-378	665,443	2,297,007
962	710		151° 00' (264° 02')		10.3	90° 40'		-8.3	-18.6	4540.5		-74	-706	665,408	2,296,679
TP <sub>m</sub>	810		151° 08' 10"		2.0	91° -		-14.1	-16.1	4543.0	TP	-82	-806	665,398	2,296,579
TP <sub>m</sub>	810		(264° 09' 41")		2.1	269° -		-14.1	-16.1		TP				EL. 4540.0
TP <sub>2</sub>			0° 00' 00"												
TP <sub>m</sub>	0				+ 5.0	M.		+ 5.0	4548.0		TP	0	0	665,398	2,296,579
963	229		181° 21' (265° 31')		4.3	87°	+12.0	+7.7		4555.7		-18	-228	665,380	2,296,351
TP <sub>N</sub>	303		176° 33'		3.0	87° -	+15.8	+12.8		4560.8	TP	-49	-299	665,347	2,296,280
TP <sub>N</sub>	303		(260° 42' 41")		3.1	273° -	+15.8	+12.7			TP				
TP <sub>m</sub>			0° 00' 00"												
TP <sub>N</sub>	0				+ 4.85	M.		+ 4.9	4565.7		TP	0	0	665,347	2,296,280
964	255		160° 00' (240° 43')		5.0	87° -	+13.3	+8.3		4574.0		-125	-222	665,222	2,296,058
TP <sub>0</sub>	300		158° 14' 57"		3.0	87° 30'	+13.1	+10.1		4575.8	TP	-155	-257	665,190	2,296,023
TP <sub>0</sub>	300		(238° 57' 38")		3.1	272° 30'	+13.1	+10.0			TP				

y-665,390 x-2,296,595  
y ROAD south

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8-25-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	169					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF. - SIERRA		ALLEGHANY - 15'		CALIF.		SIERRA					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	X
TP <sub>N</sub>			0° 00' 00"													
TP <sub>0</sub>	0			+ 5.05	4.1			+ 5.1	4580.9		π	0	0	665,190	2,296,023	ACROSS ROAD
965	285		203° 05' (262° 03')		4.3	-		- 4.3		4576.6		- 39	- 282	665,151	2,295,741	
TP <sub>p</sub>	391		201° 13' 22"		3.1	-		- 3.1		4577.8	TP	- 67.2	- 385	665,121	2,295,638	
TP <sub>p</sub>	391		(260° 11' 00")		3.2	270°		- 3.2			TP					
TP <sub>0</sub>			0° 00' 00"													
TP <sub>p</sub>	0			+ 4.95	4.1			+ 5.0	4582.8		π	0	0	665,121	2,295,638	
966	216		135° 43' (215° 54')		5.7	88°	+ 7.5	+ 1.8		4584.6		- 175	- 127	664,946	2,295,511	
967	546		134° 42' (214° 53')		9.6	88°	+ 19.0	+ 9.4		4592.2		- 448	- 312	664,673	2,295,326	
TP <sub>Q</sub>	718		134° 59' 17"		4.9	88° 30'	+ 18.8	+ 13.9		4596.7	TP	- 587.2	- 413	664,532	2,295,225	
TP <sub>Q</sub>	718		(215° 10' 17")		5.0	271° 30'	+ 18.8	+ 13.8			TP					
TP <sub>p</sub>			0° 00' 00"													
TP <sub>Q</sub>	0			+ 4.9	4.1			+ 4.9	4601.6		π	0	0	664,532	2,295,225	ACROSS ROAD
968	165		202° 12' (237° 22')		3.2	89°	+ 2.9	- 6.3		4601.3		- 89	- 139	664,443	2,295,086	
TP <sub>R</sub>	328		203° 00' 59"		6.6	87° 30'	+ 14.3	+ 7.7		4609.3	TP	- 173.2	- 278	664,357	2,294,947	
TP <sub>R</sub>	328		(238° 11' 16")		6.7	272° 30'	+ 14.3	+ 7.6			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8-25-82		B. Cotcamp		D. Hamilton		6834		D.H. Jor		C.A.-7	170					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF. - SIERRA		ALLEGHANY - 15		CALIF.		SIERRA					L.O. Oquis					
STATION NO.	 SLOPE DISTANCE	 PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	 VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES Y X		REMARKS
TP <sub>Q</sub>			0° 00' 00"													
TP <sub>R</sub>	0			+ 4.95	H <sub>i</sub>			+5.0	4614.3		TP	0	0	664,357	2,294,947	
969	182		226° 13' (284° 24')		2.1	88° -	+6.3	+4.2		4618.5		+45	-176	664,402	2,294,771	
TP <sub>S</sub>	491		226° 10' 52"		9.0	87° 30'	+21.4	+12.4		4626.7	TP	+122	-475	664,477	2,294,472	
TP <sub>S</sub>	491		(284° 22' 08")		9.0	272° 30'	+21.4	+12.4			TP					
TP <sub>R</sub>			0° 00' 00"													
TP <sub>S</sub>	0			+ 5.15	H <sub>i</sub>			+ 5.2	4631.9		TP	0	0	664,477	2,294,472	
970	19		156° 36' (260° 58')		4.6	92° -	-0.7	-5.3		4626.6		-3	-19	664,474	2,294,453	
TP <sub>T</sub>	161		151° 08' 13"		6.1	-		-6.1		4625.8	TP	-40	-156	664,435	2,294,316	
TP <sub>T</sub>	161		(255° 30' 21")		6.2	270° -		-6.2			TP					
TP <sub>S</sub>			0° 00' 00"													
TP <sub>T</sub>	0			+ 5.1	H <sub>i</sub>			+5.1	4630.9		TP	0	0	664,435	2,294,316	
971	185		155° 38' (231° 08')		4.7	91° -	-3.2	-7.9		4623.0		-116	-144	664,319	2,294,172	
972	514		153° 34' (229° 04')		7.1	91° -	-9.0	-16.1		4614.8		-337	-388	664,098	2,293,928	
TP <sub>U</sub>	630		153° 34' 43"		12.0	91° -	-11.0	-23.0		4607.9	TP	-413	-476	664,020	2,293,846	
TP <sub>U</sub>	630		(229° 05' 04")		12.1	269° -	-11.0	-23.1			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				
8-25-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		CA-7	171				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF.-SIERRA		ALLEGHANY-15'		CALIF.		SIERRA					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
TP <sub>T</sub>			0° 00' 00"												
TP <sub>v</sub>	0			+	5.25	H <sub>i</sub>		+ 5.3	4613.2		TP	0	0	664,020	2,293,840
973	207		171° 16' (220° 21')		5.8	94° -	-14.4	-20.2		4693.0		-158	-134	663,862	2,293,706
974	537		167° 37' (216° 42')		5.6	94° 20'	-40.5	-46.1		4567.1		-431	-321	663,589	2,293,519
975	867		167° 36' (216° 41')		7.0	94° -	-60.3	-67.3		4545.9		-695	-518	663,325	2,293,322
TP <sub>v</sub>	1025	1022.5	167° 42' 22"		6.4	94° -	-71.3	-77.7			TP	-819	-612	663,199	2,293,228
TP <sub>v</sub>	1025		(216° 47' 26")		6.3	266° -	-71.3	-77.6		4535.6	TP				
TP <sub>v</sub>	0		0° 00' 00"												
TP <sub>v</sub>	0			+	5.05	H <sub>i</sub>		+ 5.1	4540.7		TP	0	0	663,199	2,293,228
976	177		210° 14' (247° 01')		12.9	92° -	-6.2	-19.1		4521.6		-69	-163	663,130	2,293,065
TP <sub>w</sub>	450	449.0	208° 29' 59"		5.2	93° 50'	-30.0	-35.2		4505.5	TP	-188	-408	663,009	2,292,820
TP <sub>w</sub>	450		(245° 17' 25")		5.3	266° 10'	-30.0	-35.3			TP				
TP <sub>v</sub>			0° 00' 00"												
TP <sub>w</sub>	0			+	5.2	H <sub>i</sub>		+ 5.2	4510.7		TP	0	0	663,009	2,292,820
977	56		141° 31' (206° 48')		5.8	93° -	-2.9	-8.7		4502.0		-50	-25	662,959	2,292,795
978	384		133° 42' (198° 59')		9.0	92° 30'	-16.7	-25.7		4485.0		-363	-125	662,646	2,292,695
TP <sub>x</sub>	445		133° 39' 37"		4.3	93° -	-23.3	-27.6		4483.1	TP	-420	-144	662,587	2,292,676
TP <sub>x</sub>	445		(198° 57' 02")		4.4	267° -	-23.3	-27.7			TP				

SURVEY NOTES-HIGH RESOLUTION DATA  
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-25-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-4		172			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO: CALIF. - SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
TPw			0° 00' 00"												
TPx	0				+ 4.1	5.2		+ 5.2	4488.3		T	0	0	662,587	2,292,676
TPy	256		239° 43' 25"		5.1	94 -	-17.8	-22.9		4465.4	TP	-50	-250	662,535	2,292,426
TPy	256		(258° 40' 27")		5.2	266 -	-17.8	-23.0			TP				
TPx			0° 00' 00"												
TPy	0				+ 5.25	4.1		+ 5.3	4470.7		T	0	0	662,535	2,292,426 ACROSS ROAD
979	39		220° 24' (299° 04')		7.5	-		-7.5		4463.2		+19	-34	662,554	2,292,392
TPz	179	177.7	203° 39' 41"		1.3	97 -	-21.7	-23.0		4442.7	TP	+38	-174	662,571	2,292,252
TPz	179		(282° 20' 08")		1.3	263 -	-21.7	-23.0			TP				
TPy			0° 00' 00"												
TPz	0				+ 5.25	4.1		+ 5.3	4453.0		T	0	0	662,571	2,292,252
980	184		140° 08' (242° 28')		5.0	93 30	-11.2	-16.2		4436.8		-85	-163	662,486	2,292,089
TPA	391		140° 26' 27"		8.6	93°	-20.4	-29.0		4424.0	TP	-179	-347	662,390	2,291,905
TPA	391		(242° 46' 35")		8.7	267 -	-20.4	-29.1			TP				
TPz			0° 00' 00"												
TPA	0				+ 5.2	4.1		+ 5.2	4429.2		T	0	0	662,390	2,291,905



SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-26-82		B. Cotcamp		D. Hamilton		6834		D.P. Jm		C.A.-7		174			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		Alleghany-15'		CALIF.		SIERRA								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
TP0			0° 00' 00"							4361.2					
983	0			+	5.1	H <sub>i</sub>		+ 5.1	4366.3		X	0	0	662,834	2,291,195
984	329		176° 02' (263° 00')		4.7	93° -	17.2	21.9		4344.4		-40	-327	662,794	2,290,868
TPe	522		171° 01' 22"		6.5	92° -	-18.2	-24.7		4341.6	TP	-55	-519	662,777	2,290,676
TPe	522		(263° 59' 37")		6.6	268° -	-18.2	-24.8			TP				
983			0° 00' 00"												
TPe	0			+	4.9	H <sub>i</sub>		+ 4.9	4346.5		X	0	0	662,777	2,290,676
985	146		222° 32' (306° 32')		5.7	91° 30'	3.8	9.5		4337.0		+87	-117	662,864	2,290,559
986	476		223° 42' (307° 42')		9.0	91° 40'	13.8	22.8		4323.7		+291	-377	663,068	2,290,299
TPF	673		222° 33' 57"		6.5	92° -	-23.5	-30.0		4316.5	TP	+401	-540	663,176	2,290,136
TPF	673		(306° 33' 34")		6.6	268° -	-23.5	-30.1			TP				Around 90° corner
TPe			0° 00' 00"												
TPF	0			+	5.15	H <sub>i</sub>		+ 5.2	4321.7		X	0	0	663,176	2,290,136
987	118		127° 49' (254° 23')		8.3	91° 20'	2.7	11.0		4310.7		-32	-114	663,144	2,290,022
988	448		119° 05' 59"		5.7	93° -	-23.4	-29.1		4292.6	TP	-184	-408	662,990	2,289,728
988	448		(245° 39' 33")		5.8	267° -	-23.4	-29.2			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			
8-26-82		B. Cotcamp		D. Hamilton		6834		D.H.		C.A.-7		175			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
TPc			0° 00' 00"												
988	0				+ 5.05	Hi		+5.1	4297.7		TP	0	0	662,990	2,289,728
989	330		201° 47' (267° 27')		6.3	94° -	23.0	29.3		4268.4		-15	-330	662,975	2,289,398
1k	622	620.1	202° 25' 01" (268° 04' 34')		5.1	94° 30'	48.7	53.8		4243.9	1k	-21	-620	662,969	2,289,108
990	658		203° 03' (268° 43')		7.9	94° 20'	49.6	57.5		4240.2		-15	-658	662,975	2,289,070
TPc	901		202° 20' 59"		6.4	94° 30'	-70.5	-76.9		4220.8	TP	-31	-898	662,958	2,288,830
TPc	901		(268° 00' 32')		6.5	265° 30'	-70.5	-77.0			TP				
988			0° 00' 00"												
TPc	0				+ 5.05	Hi		+ 5.1	4225.9		TP	0	0	662,958	2,288,830
991	90		181° 13' (269° 14')		6.3			-6.3		4219.6		-1	-90	662,957	2,288,740
992	420		169° 04' (257° 05')		3.1			-3.1		4222.8		-94	-409	662,864	2,288,421
1k	441		168° 19' 18" (256° 19' 59')		5.2			-5.2		4220.7	1k				
993	750	748.6	167° 46' 37"		6.5	93° 30'	-45.7	-52.2		4173.7	TP	-184	-726	662,773	2,288,104
993	750		(255° 47' 09")		6.6	266° 30'	-45.7	-52.3			TP				
TPc			0° 00' 00"												
993	0				+ 5.1	Hi		+ 5.1	4178.8		TP	0	0	662,773	2,288,104
994	330		181° 55' (257° 42')		4.0	94° -	23.0	27.0		4151.8		-70	-322	662,703	2,287,782

y-662,910 x-2,287,100  
T-RO NORTH

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
8-26-82		B. Cotcamp		D. Hamilton		6834		Jm B.C.		C.A.-7	176						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
NO. CALIF.-SIERRA		ALLEGUANY-15'		CALIF.	SIERRA					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		
									4178.8								
995	660		181° 18' 39"		9.7	93° 30'	-40.2	-49.9		4128.9	TP	-147	-642	662,625	2,287,461	ACROSS	
995	660		(257° 05' 48")		9.8	266° 30'	-40.2	-50.0			TP	-1	-1			STA.	
993			0° 00' 00"														
995	0			+ 5.1	M <sub>i</sub>		+ 5.1		4134.0		TP	0	0	662,625	2,287,461		
1K	172		172° 18' 25" (249° 24' 13')		4.0	92° -	-6.0	-10.0		4124.0	1K	-60	-161	662,565	2,287,300	Y=662,565 X=2,287,300	
996	326		169° 11' (246° 17')		2.8	91° 0'	-5.7	8.5		4125.5		-131	-298	662,494	2,287,163	K=INTERSECT EL. 4127.0	
997	655		166° 23' (243° 29')		6.2	89° -	+11.4	+5.2		4139.2		-292	-586	662,333	2,286,875	HORIZ. CORRECTION X=-1	
TPH	820		166° 29' 32"		4.0	88° 30'	+21.5	+17.5			TP	-365	-734	662,259	2,286,729		
TPH	820		(243° 35' 20")		3.9	271° 30'	+21.5	+17.6		4151.6	TP	-1	+2				
995			0° 00' 00"														
TPH	0			+ 5.0	M <sub>i</sub>		+ 5.0		4156.6		TP	0	0	662,259	2,286,729		
998	172		218° 21' (281° 56')		5.3	86° -	+12.0	+6.7		4163.3		+36	-168	662,295	2,286,561		
999	502	500.5	216° 26' 43"		5.2	85° 30'	+39.3	+34.1		4190.7	TP	+87	-493	662,345	2,286,238		
999	502		(280° 02' 03")		5.2	274° 30'	+39.3	+34.1			TP	-1	+2				
TPH			0° 00' 00"														
999	0			+ 5.0	M <sub>i</sub>		+ 5.0		4195.7		TP	0	0	662,345	2,286,238		
1000	329		187° 09' (287° 11')		8.2	85° -	+28.6	+20.4		4216.1		+97	-314	662,442	2,285,924		

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-26-82		B. Cotcamp		D. Hamilton		6834		B.C.		C.A.-4		177			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
									4195.7						
TP <sub>I</sub>	440	438.6	185° 02' 24"		4.4	85° 30'	+34.4	+30.0		4225.7	TP	+114	-424	662,458	2,285,816
TP <sub>I</sub>	440		(285° 04' 27")		4.5	274° 30'	+34.4	+29.9			TP	-1	+2		
999			0° 00' 00"												
TP <sub>I</sub>	0				+ 4.85	H <sub>i</sub>		+ 4.9		4230.6	X	0	0	662,458	2,285,816
1001	219		153° 37' (258° 41')		4.8	86° -	+15.2	+10.4		4241.0		-43	-215	662,415	2,285,601
TP <sub>J</sub>	278		150° 47' 32"		3.6	86° 30'	+16.9	+13.3		4243.9	TP	-68	-269	662,389	2,285,549
TP <sub>J</sub>	278		(255° 51' 59")		3.7	273° 30'	+16.9	+13.2			TP	-1	+2		
TP <sub>J</sub>			0° 00' 00"												
TP <sub>J</sub>	0				+ 5.1	H <sub>i</sub>		+ 5.1		4249.0	X	0	0	662,389	2,285,549
1002	258		142° 48' (218° 40')		8.4	87° -	+13.5	+5.1		4254.1		-201	-161	662,188	2,285,388
TP <sub>K</sub>	478		140° 29' 27"		6.7	87° 30'	+23.6	+16.9		4265.9	TP	-384	-283	662,004	2,285,268
TP <sub>K</sub>	478		(216° 21' 26")		6.8	272° 50'	+23.6	+16.8			TP	-1	+2		
TP <sub>J</sub>			0° 00' 00"												
TP <sub>K</sub>	0				+ 5.05	H <sub>i</sub>		+ 5.1		4271.0	X	0	0	662,004	2,285,268 <i>cont</i>
1003	120		219° 00' (255° 22')		4.4	86° -	+8.4	+4.0		4275.0		-30	-116	661,974	2,285,152
TP <sub>L</sub>	386		221° 05' 23"		4.7	86° 30'	+23.5	+18.8		4289.8	TP	-84	-376	661,919	2,284,894
TP <sub>L</sub>	386		(257° 26' 49")		4.8	273° 30'	+23.5	+18.7			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-26-82		B. Cotcamp		D. Hamilton		6834		Jm B.C.		C.A.-7		178			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
TP <sub>L</sub>			0° 00' 00"							4289.8					
TP <sub>L</sub>	0				+ 4.50	4.1		+5.0	4294.8		π	0	0	661,919	2,284,894
1004	70		216° 59' (299° 26')		4.5	88° -	+2.4	-2.1	4292.7			+29	-64	661,948	2,284,830
TP <sub>m</sub>	227		214° 04' 58"		4.0	88° -	+7.9	+3.9	4298.7		TP	+83	-211	662,002	2,284,685
TP <sub>m</sub>	227		(291° 31' 47")		4.0	77° -	+7.9	+3.9			TP				
TP <sub>L</sub>			0° 00' 00"												
TP <sub>m</sub>	0				+ 5.05	4.1		+ 5.1	4303.8		π	0	0	662,002	2,284,685
1005	170		192° 22' (303° 54')		5.5	89° -	+3.0	-2.5	4301.3			+95	-141	662,097	2,284,544
-H-	180		190° 17' 02" (301° 48' 49")		5.5	89° -	+3.1	-2.4	4301.4		-H-				Powerline
TP <sub>n</sub>	464		192° 02' 19"		6.5	89° 30'	+4.1	-2.4	4301.4		TP	+257	-387	662,259	2,284,300
TP <sub>n</sub>	464		(303° 34' 06")		6.5	76° 30'	+4.1	-2.4			TP				
TP <sub>n</sub>			0° 00' 00"												
TP <sub>n</sub>	0				+ 5.25	4.1		+ 5.3	4306.7		π	0	0	662,259	2,284,300
1006	37		138° 57' (262° 31')		3.9	91° -	-0.6	-4.5	4302.2			-5	-37	662,254	2,284,263
TP <sub>o</sub>	239		136° 08' 32"		3.2	91° -	-4.2	-7.4	4299.3		TP	-43	-235	662,216	2,284,067
TP <sub>o</sub>	239		(259° 42' 38")		3.3	76° -	-4.2	-7.5			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-26-82		B. Cotcamp		D. Hamilton		6834		Jm B.C.		C.A.-7		179			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		ALLEGHANY-15'		CALIF.		SIERRA								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
			0° 00' 00"							4299.3					
TP <sub>0</sub>	0				+ 5.35	Mi		+ 5.4	4304.7		π	0	0	662,216	2,284,067
1007	123		172° 28' (252° 11')		6.4	-		-6.4		4298.3		-38	-117	662,178	2,283,950
1008	451		165° 29' (245° 12')		8.5	-		-8.5		4296.2		-189	-409	662,027	2,283,658
TP <sub>p</sub>	570		165° 39' 42"		9.8	-		-9.8			TP	-238	-518	661,978	2,283,551
TP <sub>p</sub>	570		(245° 22' 20")		9.7	270°		-9.7		4295.0	TP		+2		
			0° 00' 00"												
TP <sub>0</sub>	0				+ 5.1	Mi		+ 5.1	4300.1		π	0	0	661,978	2,283,551
TP <sub>p</sub>	210		189° 10' (254° 32')		9.2	-		-9.2		4290.9		-56	-202	661,922	2,283,349
1010	540		190° 04' (255° 26')		5.1	92°	18.8	23.9		4276.2		-136	-523	661,842	2,283,028
TP <sub>0</sub>	658		188° 47' 42"		11.6	91° 30'	-17.2	-28.8		4271.3	TP	-179	-633	661,799	2,282,920
TP <sub>0</sub>	658		(254° 10' 02")		11.7	268° 30'	-17.2	-28.9			TP		+2		
			0° 00' 00"												
TP <sub>0</sub>	0				+ 5.2	Mi		+ 5.2	4276.5		π	0	0	661,799	2,282,920
TP <sub>p</sub>	97		162° 01' 19"		7.1	-		-6.1		4269.4	TP	-54	-81	661,745	2,282,841
TP <sub>p</sub>	97		(236° 11' 21")		7.1	270°		-7.1			TP		+2		

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
8-26-82		B. Cotcamp		D. Hamilton		6834		Jm B.C.		C.A.-7		180		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		
NO. CALIF.-SIERRA		ALLEGHANY-CAMPTONVILLE		CALIF.		SIERRA						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.	
									4269.4					
TPa			0° 00' 00"											
TPR	0			+ 5.1	Mi		+ 5.1	4274.5			X	0	0	661,745 2,282,841
1011	110		161° 36' (217° 47')		4.8	-	-4.8	4269.7				-87	-67	661,658 2,282,774
1012	439		151° 54' (208° 05')		5.1	89°	+7.7	4277.1				-387	-207	661,358 2,282,634
TPs	688		151° 21' 42"		6.5	89° 30'	+6.0	4274.0		TP		-610	-318	661,135 2,282,525
TPs	688		(207° 33' 03")		6.6	270° 30'	+6.0	-0.6			TP		+2	MIDDLE OF ROAD
TPR			0° 00' 00"											
TPs	0			+ 5.15	Mi		+ 5.2	4279.2			X	0	0	661,135 2,282,525
1013	82		195° 22' 23"		4.8	93°	-4.3	4270.1		TP		-60	-56	661,075 2,282,471
1013	82		(222° 55' 26")		4.8	267°	-4.3	-9.1			TP		+2	
TPs			0° 00' 00"											
1013	0			+ 5.35	Mi		+ 5.4	4275.5			X	0	0	661,075 2,282,471
1014	329		195° 54' (238° 49')		4.8	93°	-7.2	4253.5				-170	-281	660,905 2,282,190
TPr	431		195° 44' 02"		7.4	92° 30'	-18.8	4249.3		TP		-218	-372	660,857 2,282,101
TPr	431		(239° 39' 28")		7.5	267° 30'	-18.8	-26.3			TP		+2	
1013			0° 00' 00"											
TPr	0			+ 5.25	Mi		+ 5.3	4254.6			X	0	0	660,857 2,282,101

↑  
ALLEGHANY - 15'  
CAMPTONVILLE - 7'  
↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-26-82		B. Cotcamp		D. Hamilton		6834		Jim B.C.		C.A.-7		181			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMPTONVILLE - 7 1/2'		CALIF.		SIERRA								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
									4254.6						
1015	233		139° 05' (197° 44')		6.3	93° -	12.2	18.5		4236.1		-222	-71	660,635	2,282,030
TPu	332		137° 37' 19"		6.1	93° 30'	-20.2	-26.3		4228.3	TP	-318	-93	660,539	2,282,010
TPu	332		(196° 16' 47")		6.2	266° 30'	-20.2	-26.4			TP				
TPt			0° 00' 00"												
TPu	0				+ 5.05	Hi		+ 5.1		4233.4	X	0	0	660,539	2,282,010
1016	218		189° 46' (206° 03')		6.6	94° -	-15.2	-21.7		4211.7		-196	-96	660,343	2,281,914
1017	548		189° 05' (205° 22')		6.8	94° -	-38.1	-44.9		4188.5	TP	-495	-235	660,044	2,281,775
TPv	569	567.6	188° 56' 22"		5.9	94° -	-39.6	-45.5		4187.9	TP	-514	-242	660,025	2,281,770
TPv	569		(205° 13' 09")		5.9	266° -	-39.6	-45.5			TP				
TPu			0° 00' 00"												
TPv	0				+ 5.15	Hi		+ 5.2		4193.1	X	0	0	660,025	2,281,770
1018	308		156° 45' (181° 58')		6.5	92° -	-19.7	-17.2		4175.9		-308	-11	659,717	2,281,759
TPw	598		153° 48' 10"		6.0	92° 30'	-26.1	-32.1		4161.0	TP	-597	+10	659,428	2,281,782
TPw	598		(179° 01' 19")		6.1	267° 30'	-26.1	-32.2			TP				ROAD
TPv			0° 00' 00"												
TPw	0				+ 5.1	Hi		+ 5.1		4166.1	X	0	0	659,428	2,281,782

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-26-82		B. Cotcamp		D. Hamilton		6834		Jm B.C.		C.A.-7		182				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF. - SIERRA		CAMPTONVILLE-7 1/2		CALIF.		SIERRA								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
									4166.1							
1019	48		221° 51' (220° 52')		7.1	-		-7.1		4159.0		-36	-31	659,392	2,281,751	
1020	375		203° 08' (202° 09')		11.2	92° -	13.1	24.3		4141.8		-347	-141	659,081	2,281,641	
TPx	531		203° 23' 21"		4.7	93° -	-27.8	-32.5		4133.6	TP	-490	-202	658,938	2,281,582	ACROSS
TPx	531		(202° 24' 40")		4.8	267° -	-27.8	-32.6			TP					ROAD
TPw			0° 00' 00"													
TPx	0				+ 5.3	Hi		+ 5.3	4138.9		X	0	0	658,938	2,281,582	
1021	182		218° 12' (240° 37')		7.8	93° -	9.5	17.3		4121.6		-89	-159	658,849	2,281,423	
TPy	313		215° 04' 16"		3.5	94° -	-21.8	-25.3		4113.6	TP	-168	-263	658,770	2,281,321	ACROSS
TPy	313		(237° 28' 56")		3.5	266° -	-21.8	-25.3			TP					ROAD
TPx			0° 00' 00"													
TPy	0				+ 5.25	Hi		+ 5.3	4118.9		X	0	0	658,770	2,281,321	TOP 1
1022	215		225° 01' (282° 30')		5.2	95° -	18.7	23.9		4095.0		+ 47	-210	658,817	2,281,111	AROUND
TPz	410	408.1	224° 14' 20"		2.8	95° 30'	-39.1	-41.9		4077.0	TP	+ 83	-400.2	658,853	2,280,923	CORNER
TPz	410		(281° 43' 16")		2.9	264° 30'	-39.1	-42.0			TP					
TPy			0° 00' 00"													
TPz	0				+ 5.05	Hi		+ 5.1	4082.1		X	0	0	658,853	2,280,923	

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE 8-26-82	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY Jm B.C.	LINE NO. C.A.-7	PAGE 183
AREA NO. CALIF.-SIERRA	TOPO MAP CAMPTONVILLE-T2	STATE CALIF.	COUNTY SIERRA	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.	
									4082.1					
1023	131		173° 27' (275° 10')		6.1	96°	-13.6	-19.7		4062.4		+12	-130	658,865 2,280,793
1023	236	239.7	171° 55' 40" (273° 39')		5.3	96°	-24.5	-29.8		4052.3				
TPa	330	328.5	173° 34' 56"		3.1	95° 30'	-31.5	-34.6		4047.5	TP	+30	-327	658,883 2,280,598
TPa	330		(275° 18' 12")		3.1	264° 30'	-31.5	-34.6			TP		+2	
TP2			0° 00' 00"											
TPa	0				+ 5.15	Hi		+ 5.2		4052.7	X	0	0	658,883 2,280,598
1024	149		230° 52' 32"		4.1	94° 40'	-12.1	-16.2		4036.5	TP	+123	-83	659,006 2,280,520
1024	149		(326° 10' 44")		4.1	265° 20'	-12.1	-16.2			TP		+5	
TPa			0° 00' 00"											
1024	0				+ 5.05	Hi		+ 5.1		4041.6	X	0	0	659,006 2,280,520
1024	192		264° 40' 42"		4.3	93°	-10.0	-14.3		4027.3	TP	+189	-30	659,195 2,280,495
1024	192		(350° 51' 26")		4.4	267°	-10.0	-14.4			TP		+5	
1024			0° 00' 00"											AROUND 90° CORNER
1024	0				+ 5.2	Hi		+ 5.2		4032.5	X	0	0	659,195 2,280,495
1025	102		90° 33' (261° 13')		8.3	94°	-7.1	-15.4		4017.1		-16	-101	659,179 2,280,394
TPb	267	266.0	81° 39' 41" (252°)		3.2	95°	-23.2	-26.4		4006.1	TP	-81	-253	659,111 2,280,249
TPb	267		(252° 20' 09")		3.3	265°	-23.2	-26.5			TP	-3	+2	

y-659,195 x-2,280,495  
 T-INT. EL. 40290  
 HORIZ. Y - -6'  
 CORR. X +49'  
 AROUND  
 90° CORNER  
 COLLECTED AZIMUTH  
 STA. 1024  
 SUNSHOT

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-27-82		B. Cotcamp		D. Hamilton		6834		jm BC.		C.A.-7		184			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMP TON VILLE - 7 1/2		CALIF.		SIERRA								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
										4006.1					
TPb	0		0° 00' 00"		+ 5.05	M.	+ 5.0		4011.1		π	0	0	659,111	2280,244
1026	163		163° 11' (235° 31')		5.0	95°	-14.2	-19.2		3991.9		-92	-134	659,019	2280,110
TPc	349	347.0	161° 44' 17"		2.3	96°	-36.3	-38.6		3972.5	TP	-204	281	658,904	2279,965
TPc	349		(234° 04' 26")		2.4	264°	-36.3	-38.7			TP	-3	2		
TPb			0° 00' 00"												
TPc	0				+ 5.3	M.	+ 5.3		3977.8		π	0	0	658,904	2279,965
1027	147		170° 50' (224° 54')		5.8	93°	-7.7	-13.5		3964.3		-104	-104	658,800	2279,861
TPd	430		169° 24' 23"		4.7	93°	-22.5	-27.2		3950.6	TP	-312	295	658,589	2279,672
TPd	430		(223° 28' 49")		4.8	267°	-22.5	-27.3			TP	-3	2		
TPc			0° 00' 00"												
TPd	0				+ 5.15	M.	+ 5.1		3955.7		π	0	0	658,589	2279,672
1028	60		237° 43' (281° 12')		8.4	-	-8.4			3947.3		+12	-59	658,601	2279,613
TPe	260		239° 40' 19"		4.8	93°	-13.6	-18.4		3937.3	TP	+59	253	658,646	2279,421
TPe	260		(283° 09' 08")		4.9	267°	-13.6	-18.5			TP	-2	2		AROUND 90° CORNER
TPd			0° 00' 00"												
TPe	0				+ 5.1	M.	+ 5.1		3942.4		π	0	0	658,646	2279,421

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-27-82		B. Cotcamp		D. Hamilton		6834		B.C.		C.A.-7		185			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMPTONVILLE		CALIF.		SIERRA								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
1029									3942.4						
TPf	115		123° 47' (126° 56')		9.0	93°	-6.0	-15.0		3927.4		-79	-84	658,576	2279,337
TPf	142		84° 43' 08"		6.7	88°	+5.0	-1.7		3940.7	TP	-141	-79	658,503	2279,404
TPf	142		(187° 52' 16")		6.7	272°	+5.0	-1.7			TP		+2		OFF ROAD
TP <sup>sec.</sup>			0° 00' 00"												
TPf	0				+ 4.85			+ 4.9		3945.6	X	0	0	658,503	2279,404
1030	318		222° 31' (230° 23')		9.0	97°	-38.5	-47.5		3898.1		-203	-245	658,300	2279,159
TPH	388	385.1	221° 25' 37"		7.4	97°	-46.9	-54.3		3891.3	TP	-251	-292	658,250	2279,114
TPH	388		(229° 17' 53")		7.4	263°	-46.9	-54.3			TP		+2		ACROSS ROAD
TPf			0° 00' 00"												
TPH	0				+ 5.25	H.		+ 5.3		3896.6	X	0	0	658,250	2279,114
1031	262		202° 58' (252° 16')		7.4	94°	-18.2	-25.6		3871.0		-80	-250	658,170	2278,864
TPf	386	384.8	201° 36' 42"		5.4	94° 30'	-30.2	-35.6			TP	-126	-364	658,122	2278,752
TPf	386		(250° 54' 35")		5.5	265° 30'	-30.2	-35.7		3860.9	TP	-2	+2		
					4.5										
TPH			0° 00' 00"												
TPf	0				+ 5.3	H.		+ 5.3		3866.2	X	0	0	658,122	2278,752
1032	200		134° 01' (204° 56')		4.5	95°	-17.4	-21.9		3844.3		-181	-84	657,941	2278,668

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-27-82		B. Cotcamp		D. Hamilton		6834		Jm B.C.		C.A.-7		186			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
No. CALIF.-SIERRA		CAMPTONVILLE-7 1/2		CALIF.		SIERRA								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
									3866.2						
TP5	312	310.8	133° 38' 01"		3.3	95°	-27.1	-30.4		3835.8	TP	-283	729	657,837	2278,625
TP5	312		(204° 32' 36")		3.3	265°	-27.1	-30.4			TP	-2	+2		
TP5			0° 00' 00"												
TP5	0				+ 5.2	H.		+ 5.2		3841.0	T	0	0	657,837	2278,625
1033	224		213° 55' (238° 28')		6.5	94° 30'	17.5	24.0		3817.0		-117	-191	657,720	2278,434
TPk	272	270.8	210° 14' 18"		1.5	95° 30'	-25.9	-27.4			TP	-156	221	657,679	2278,406
TPk	272		(234° 46' 54")		1.6	264° 30'	-25.9	-27.5		3813.5	TP	-2	+2		
TP5			0° 00' 00"												
TPk	0				+ 5.25	H.		+ 5.3		3818.8	T	0	0	657,679	2278,406
TP1	167	166.1	168° 20' 36"		2.0	96°	-17.4	-19.4		3	TP	-121	714	657,556	2278,294
TP1	167		(223° 07' 30")		2.1	264°	-17.4	-19.5		3799.3	TP	-2	+2		
TPk			0° 00' 00"												
TP1	0				+ 5.25	H.		+ 5.3		3804.6	T	0	0	657,556	2278,294
1034	118		198° 05' (241° 13')		8.7	94°	-8.2	76.9		3787.7		-57	-103	657,499	2278,191
1035	444		197° 58' (241° 06')		6.7	94°	-30.9	37.6		3767.0		-215	-389	657,341	2277,905
TPm	465	463.7	196° 32' 38"		3.2	94° 20'	-35.0	-38.2		3766.4	TP	-234	400	657,320	2277,896
TPm	465		(239° 40' 08")		3.2	265° 40'	-35.0	-38.2			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		
8-27-82		B. Cot Camp		D. Hamilton		6834		Jm B.C.		C.A.-7		187		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		
NO. CALIF. - SIERRA		CAMPTONVILLE-T1/2		CALIF.		SIERRA						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.	
			0° 00' 00"						3766.4					
TPn	0		0° 00' 00"											
TPn	148		139° 59' 45"		+ 5.1	Hi	+ 5.1		3771.5		X	0	0	657,320 2277,896
TPn	148		(199° 39' 53")		2.6	94° -	-10.3	-12.9		3758.6	TP	-139	-50	657,179 2277,848
TPn	148				2.6	266° -	-10.3	-12.9			TP			
TPm	0		0° 00' 00"											
TPn	0		0° 00' 00"		+ 5.5	Hi	+ 5.5		3764.1		X	0	0	657,179 2277,848
1036	133		189° 21' (209° 01')		6.4	92° -	-4.6	11.0		3753.1		-116	-65	657,063 2277,883
1037	415		222° 39' (242° 19')		7.0	93° -	-21.7	28.7		3735.4		-193	-367	656,986 2277,481
TPo	483		221° 33' 10"		2.3	93° 30'	-29.4	-31.7		3732.4	TP	-232	-423	656,945 2277,427
TPo	483		(241° 13' 03")		2.2	266° 30'	-29.4	-31.6			TP			
TPn	0		0° 00' 00"											
TPo	0		0° 00' 00"		+ 5.2	Hi	+ 5.2		3737.6		X	0	0	656,945 2277,427
1038	258		161° 17' (222° 30')		7.4	92° -	-9.0	76.4		3721.2		-190	-174	656,755 2277,553
TPp	371		154° 19' 28"		11.4	91° 30'	-9.7	-21.1			TP	-302	-216	656,641 2277,213
TPp	371		(215° 32' 31")		11.5	268° 30'	-9.7	-21.2		3716.4	TP			
TPo	0		0° 00' 00"											
TPp	0		0° 00' 00"		+ 5.15	Hi	+ 5.2		3727.6		X	0	0	656,641 2277,213

Around 90° CORNER

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-27-82		B. Cotamp		D. Hamilton		6839		Jm B.C.		C.A. -7		188				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF. - SIERRA		CAMDENVILLE-7 1/2		CALIF.		SIERRA								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
									3721.6							
1039	210		172° 27' (208° 00')		4.5	94°	74.6	19.1		3702.5		-185	-99	656,456	2277,114	AROUND 90°
1040	476		204° 54' (240° 27')		10.6	93°	24.9	35.5		3686.1		-235	-414	656,406	2276,799	CORNER
TPa	470		204° 49' 07"		6.5	93° 30'	-28.6	-35.1			TP	-232	408	656,407	2276,806	
TPa	470		(240° 21' 38")		6.6	266° 30'	-28.6	-35.2		3686.4	TP	-2	+1			
TPp			0° 00' 00"													
TPa	0				+ 5.45	Hi		+ 5.5	3691.9		π	0	0	656,407	2276,806	
TPR	166		232° 55' 40"		3.9	95° 30'	-15.8	-19.7		3672.2	TP	+65	752	656,470	2276,655	
TPR	166		(293° 17' 18")		3.9	264° 30'	-15.8	-19.7			TP	-2	+1			
TPa			0° 00' 00"													
TPR	0				+ 5.3	Hi		+ 5.3	3677.5		π	0	0	656,470	2276,655	
1041	164		146° 48' (260° 05')		6.7	95°	74.2	20.9		3656.6		-28	-162	656,442	2276,493	
TPs	320	318.3	148° 03' 12"		2.1	96°	-33.3	-35.4		3642.1	TP	-48	315	656,420	2276,341	
TPs	320		(261° 20' 30")		3.0	95° 30'	-32.4	-35.4			TP	-2	+1			
TPR			0° 00' 00"													
TPs	0				+ 5.25	Hi		+ 5.3	3647.4		π	0	0	656,420	2276,341	
1042	165		163° 57' (245° 18')		5.6	95°	74.3	19.9		3627.5		-69	-150	656,351	2276,191	



SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-31-82		B. Cotcamp		D. Hamilton		6834		Jm B.C.		C.A.-7		190			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		CAMPTONVILLE-7 1/2		CALIF.		SIERRA-YUBA								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
TPsec.			0° 00' 00"							3582.0	TPu			ELEVATION OF STA ©	
TP	0			+ 5.15	Mi.		+5.1 } 3582.1				π	0	0	656,441 2,275,727 TPu	
1044	127		173° 34' (290° 16')		7.1	94°	8.8 } 15.9		3571.2			+44	-119	656,485 2,275,608	
TPA	179		163° 10' 21"		5.5	95°	75.5 } 21.0 } 2				TP	+31	-176	656,476 2,275,554 off.	
TPA	179		(279° 51' 54")		5.6	265°	75.5 } 21.1 } 3		3566.0		TP	+4	+3	SIDE OF ROAD	
TP			0° 00' 00"												
TPA	0			+ 5.25	Mi.		+5.3 } 3571.3				π	0	0	656,476 2,275,554	
TPB	199	197.9	158° 00' 04"		3.6	96°	20.7 } 24.3 } 2				TP	-42	-193	656,438 2,275,364	
TPB	199		(257° 51' 58")		3.5	264°	20.7 } 24.2 } 3		3547.1		TP	+4	+3		
TPA			0° 00' 00"											↑ SIERRA County YUBA County	
TPB	0			+ 5.25	Mi.		+5.3 } 3552.4				π	0	0	656,438 2,275,364 ↓	
1045	173		193° 40' (271° 32')		6.2	94°	75.1 } -11.3		3541.1			+2	-73	656,440 2,275,291	
1046	400		192° 05' (269° 57')		10.7	94° 40'	32.4 } 43.1		3509.3			±0	-400	656,438 2,274,964	
TPc	420	418.4	191° 06' 36"		8.5	95°	36.5 } 45.0 } 2				TP	-7	-418	656,435 2,274,949	
TPc	420		(268° 58' 34")		8.4	265°	36.5 } 44.9 } 3		3507.5		TP	+4	+3		
TPB			0° 00' 00"												
TPc	0			+ 5.3	Mi.		+5.3 } 3512.8				π	0	0	656,435 2,274,949	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8-31-82		B. Cotamp		D. Hamilton		6834		Jim B.C.		C.A.-7	191				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF. - SIERRA		CAMPTONVILLE-7 1/2		CALIF.		YUBA					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
									3512.8						
TP 1047	318	315.6	169° 18' 30"		3.8	97° -	38.5	42.3		3470.5	TP	-64	309	656,374	2,274,643
TP 1047	318		(258° 17' 04")		3.9	263° -	38.5	42.4			TP	+3	+3		
TPc			0° 00' 00"												
1047	0				+ 5.35	41°		5.4	3475.9		TP	0	0	656,374	2,274,643
1048	329		200° 02' (278° 19')		4.9	95° -	20.6	33.5		3442.4		+48	-326	656,422	2,274,317
1048	351	349.7	195° 57' 22" (274° 14' 26")		5.1	95° -	30.5	35.6		3440.3	TP	+26	349	656,400	2,274,294
TP 1048	419	417.4	195° 22' 38"		4.0	95° -	36.4	40.4		3435.5	TP	+27	417	656,404	2,274,229
TP 1048	419		(273° 39' 42")		4.1	265° -	36.4	40.5			TP	+3	+3		
1047			0° 00' 00"												
TP 1047	0				+ 5.1	41°		5.1	3440.6		TP	0	0	656,404	2,274,229
1049	240		151° 07' (244° 47')		7.5	93° -	12.5	20.0		3420.6		-102	-217	656,302	2,274,012
1050	570	568.9	150° 44' 27"		7.8	93° 30'	34.7	42.5			TP	-246	513	656,161	2,273,719
1050	570		(244° 24' 09")		7.7	266° 30'	34.7	42.4		3398.2	TP	+3	+3		
TP 1050			0° 00' 00"												
1050	0				+ 5.35	41°		5.4	3403.6		TP	0	0	656,161	2,273,719
1051	330		163° 27' (227° 51')		9.1	94° -	23.0	32.1		3371.5		-221	-245	656,940	2,273,474
1052	660		161° 48' (226° 12")		9.4	94° -	45.9	55.3		3348.3		-457	-476	655,704	2,273,243

y = 656,405 x - 2,274,280  
y = ROAD N.E.





SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-31-82		B. Cotcamp		D. Hamilton		6834		B.C.		C.A.-7		194			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		CAMPTONVILLE-7 1/2		CALIF.		YUBA								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
									3205.6						
1059	161		211° 40' (212° 08')		8.2	-		-8.2		3197.4		-136	-86	654,060	2,273,348
TPJ	439		212° 08' 44"		10.6	-		-10.6		3195.0	TP	+297	323	654,496	2,273,114
TPJ	439		(312° 36' 49")		10.5	270-					TP	+3	+3		
TPJ			0° 00' 00"												
TPJ	0				+ 5.15	Hi.		+5.2	3200.2		TP	0	0	654,496	2,273,114
1060	42		130° 57' (263° 34')		5.2	-		-5.2		3195.0		-5	-42	654,491	2,273,072
TPK	207		121° 51' 12"		10.2	-		-10.2		3190.0	TP	-55	199	654,444	2,272,918
TPK	207		(254° 28' 01")		10.3	270-		10.3			TP	+3	+3		
TPJ			0° 00' 00"												
TPK	0				+ 5.15	Hi.		+5.2	3195.2		TP	0	0	654,444	2,272,918
1061	156		132° 47' (207° 15')		7.6	93-	8.2	15.8		3179.4		-139	-71	654,305	2,272,847
1062	487		126° 49' (201° 17')		4.9	93 30	29.7	34.6		3160.6		-454	-177	653,990	2,272,741
TPL	534	533.0	126° 02' 59"		4.8	93° 30'	32.5	37.3		3157.9	TP	-499	187	653,948	2,272,734
TPL	534		(200° 31' 00")		4.9	266° 30'	32.5				TP	+3	+3		side of road
TPK			0° 00' 00"												
TPL	0				+ 5.15	Hi.		+5.2	3163.1		TP	0	0	653,948	2,272,734

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-31-82		B. Cotcamp		D. Hamilton		6834		Jim BC.		C.A.-7		195				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF.-SIERRA		CAMPTONVILLE-7 1/2		CALIF.		YUBA								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
									3163.1							
TPm	120		194° 07' 37"		9.7	92° -	4.2	13.9		3149.2	TP	-99	-68	653,852	2,272,669	Access
TPm	120		(214° 38' 37")		9.7	268° -	4.2	13.9			TP	+3	+3			ROAD
TPi			0° 00' 00"													Around
TPm	0				+ 5.35	Hi		+5.4	3154.6		X	0	0	653,852	2,272,669	CORNER
1063	176		214° 18' (248° 57')		6.1	94° -	12.2	18.3		3136.3		-63	-164	653,789	2,272,505	
1064	506		215° 06' (249° 45')		5.6	94° -	35.2	40.8		3113.8		-175	-475	653,677	2,272,194	
TPN	624	622.5	213° 15' 08"		4.7	94° -	43.4	48.1			TP	-234	377	653,621	2,272,095	Opp. side
TPN	624		(247° 53' 45")		4.6	266° -	43.4	48.0		3106.6	TP	+3	+3			OF ROAD
TPm			0° 00' 00"													
TPN	0				+ 5.2	Hi		+5.2	3111.8		X	0	0	653,621	2,272,095	
1065	220		195° 16' (263° 10')		3.4	94° -	15.3	18.7		3093.1		-26	-218	653,595	2,271,877	
TP	383		195° 47' 40" (263° 41' 25")		1.0	94° -	26.7	27.7		3084.1	TP	-42	380	653,579	2,271,715	4-653,600 X 2,271,695 5-ROAD N.E.
TPo	479		194° 27' 39"		4.9	93° 30'	29.2	34.1		3077.7	TP	-64	474	653,560	2,271,622	
TPo	479		(262° 21' 24")		5.0	266° 30'	29.2				TP	+3	+1			
TPN			0° 00' 00"													
TPo	0				+ 5.15	Hi		+5.2	3082.9		X	0	0	653,560	2,271,622	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8-31-82		B. Cotcamp		D. Hamilton		6834		Jm B.C.		C.A. - 7	196				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF. - SIERRA		CAMPTONVILLE - 7 1/2'		CALIF.		YUBA					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
									3082.9						
1066	48		136° 43' (219° 04')		6.1	93° -	-2.5	-8.6		3074.3		-37	-30	653,523	2,271,592
TPe	101		136° 41' 11"		5.7	93° 30'	-6.2	71.9		3071.0	TP	-78	74	653,485	2,271,559
TPe	101		(219° 02' 35")		5.6	266° 30'	-6.2				TP	+3	+1		
TPe			0° 00' 00"												
TPe	0				+ 5.25	Mi		+5.3	3076.3		TP	0	0	653,485	2,271,559
1067	274		161° 09' (200° 12')		3.6	93° 30'	-16.7	-20.3		3056.0		-257	-95	653,228	2,271,464
TPe	459		159° 36' 19"		10.7	93° 30'	-28.0	-38.7		3037.6	TP	-434	747	653,054	2,271,413
TPe	459		(198° 38' 54")		10.8	266° 30'	-28.0				TP	+3	+1		ACROSS ROAD
TPe			0° 00' 00"												
TPe	0				+ 5.15	Mi		+5.2	3042.8		TP	0	0	653,054	2,271,413
1068	148		203° 06' (221° 45')		5.4	95° -	-12.8	-18.2		3024.6		-110	-99	652,944	2,271,314
TPe	227		197° 22' 50" (216° 01' 44")		6.6	95° -	-19.7	-26.3		3016.5	TP	-183	133	652,871	2,271,280
TPe	352	350.4	199° 46' 01"		5.3	95° 30'	-33.6	-38.9		3003.9	TP	-275	218	652,782	2,271,196
TPe	352		(218° 24' 55")		5.4	264° 30'	-33.6	-39.0			TP	+3	+1		
TPe			0° 00' 00"												
TPe	0				+ 5.1	Mi		+5.1	3009.0		TP	0	0	652,782	2,271,196
															opp side of ROAD

Y-652,880 X-2,271,210  
 (1/2) ROAD WEST.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-31-82		B. Cotcamp		D. Hamilton		6834		Jr B.C.		P.A.-7		197			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMPTONVILLE - 15'		CALIF.		YUBA								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
									3009.0						
1069	139		217° 19' (255° 44')		6.0	95°	72.1	78.1		2990.9		-34	-135	652,748	2,271,061
1070	469		219° 27' (257° 52')		6.0	95°	40.7	46.7		2962.3		-99	-459	652,683	2,270,737
1071	798		" " (257° 52')		7.7	94° 40'	64.7	72.4		2936.6		-168	-780	652,614	2,270,416
1072	1120		218° 44' (257° 09')		8.0	94° 10'	81.2	89.2		2919.8		-249	-1092	652,533	2,270,104
W	1242	1238.7	217° 55' 41" (256° 20' 36")		3.3	94° 10'	90.0	93.3		2915.7	W	292	7204	652,490	2,269,992
TP <sub>int</sub>	1392	1388.6	218° 59' 19"		4.7	94°	96.9	101.6			TP	303	7355	652,482	2,269,842
TP <sub>int</sub>	1392		(257° 24' 14")		4.5	266°	96.9	101.4		2907.6	TP	+3	+1		
TP			0° 00' 00"												
TP <sub>int</sub>	0				+ 4.95	Hi.		+ 5.03	2912.6		T	0	0	652,482	2,269,842
1073	75		235° 49' (313° 13')		6.4	-		-6.4		2906.2		+51	-55	652,533	2,269,787
1074	402		225° 03' (302° 27')		10.1	92°	74.0	74.1		2888.5		+216	-339	652,698	2,269,503
1075	729	728.0	222° 15' 38"		10.0	93°	38.1	48.1		2864.5	TP	+360	-633	652,845	2,269,210
1075	729		(299° 31' 52")		10.1	267°	38.1	48.2			TP	+3	+1		
TP <sub>int</sub>			0° 00' 00"												
1075	0				+ 5.25	Hi.		+ 5.3	2869.8		T	0	0	652,845	2,269,210
1076	330		157° 23' (277° 03')		4.9	94°	23.0	27.9		2841.9		+41	-328	652,886	2,268,882
1077	660		154° 09' 01"		4.3	94°	45.9	50.2		2819.6	TP	+49	-658	652,894	2,268,552
			154° 33' (274° 13')								TP				

3-652,470x-2,269,710  
y-INTERSECT.

off. 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					
9-1-82		B. Cotcamp		D. Hamilton		6834		B.C.		C.A.-7	198					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF. - SIERRA		CAMPTONVILLE-7 1/2		CALIF.		YUBA					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
									2869.8							
8TPA	801	799.1	154° 09' 01"		6.9	94°	55.7	62.6			TP	+53	797	652,901	2,268,414	OPP. SIDE
TPA	801		(273° 48' 53")		6.8	266°	55.7	-62.5		2807.3	TP	+3	+1			OF ROAD
																AROUND
1075			0° 00' 06"													90°
TPA	0				+ 5.15	Mi.		+ 5.2	2812.5		TP	0	0	652,901	2,268,414	CORNER
1078	227		268° 15' (2° 04')		4.2	91°	4.0	8.2		2804.3		+227	+8	653,128	2,268,422	
TPB	382		265° 54' 40"		9.7	91°	6.7	16.4			TP	+382	2	653,286	2,268,413	
TPB	382		(359° 43' 33")		9.6	269°	6.7	16.3		2796.2	TP	+3	+1			
TPA			0° 00' 00"													
TPB	0				+ 5.1	Mi.		+ 5.1	2801.3		TP	0	0	653,286	2,268,413	AROUND
1079	154		116° 28' (296° 12')		8.5	95°	13.4	21.9		2779.4		+68	-138	653,354	2,268,275	90° CORNER
TPC	309		107° 49' 41"		12.4	94°	21.5	33.9		2767.4	TP	+93	294	653,382	2,268,120	
TPC	309		(287° 33' 14")		12.5	266°	21.5	34.0			TP	+3	+1			
TPB			0° 00' 00"													
TPC	0				+ 4.95	Mi.		+ 5.0	2772.4		TP	0	0	653,382	2,268,120	VERY
1080	167		149° 19' (256° 52')		8.4	92°	5.8	14.2		2758.2		-38	-163	653,344	2,267,957	SOFT GROUND
TPB	207		143° 28' 37"		7.7	92° 30'	9.0	16.7		2755.7	TP	-67	196	653,318	2,267,925	AROUND 45°
TPB	207		(251° 01' 51")		7.8	267° 30'	9.0				TP		+1			CORNER

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-1-82		B. Cotcamp		D. Hamilton		6834		B.C.		C.A.-7		199			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMPTONVILLE-7 1/2		CALIF.		YUBA								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
			0° 00' 00"							2755.7					
TPc															
TPo	0				+ 5.15	Hi		+ 5.2	2760.9		Hi X	0	0	653,318	2,267,925
1081	281		123° 27' (194° 29')		7.9	94°	79.6	27.5		2733.4		-272	-70	653,046	2,267,855
TPe	444	442.3	121° 29' 21"		3.0	95°	38.5	41.5		2719.4	TP	432	96	652,890	2,267,832 opp.
TPe	444		(192° 31' 12")		3.0	265°	38.5	-41.5			TP	+4	+3		SIDE OF ROAD
TPo			0° 00' 00"												
TPe	0				+ 5.0	Hi		+ 5.0	2724.4		X	0	0	652,890	2,267,832
TPe	41		231° 03' 36" (243° 48')		5.7	-		-5.7		2718.7	X	-18	-37	652,875	2,267,795 Highway 49
TPf	167		257° 01' 22"		4.4	93°	8.7	13.1		2711.3	TP	-1	-167	652,888	2,267,665 Horiz CORR, y = +96, x = +62
TPf	167		(269° 32' 34")		4.5	267°	8.7	-13.2			TP	-1			
TPe			0° 00' 00"												
TPf	0				+ 5.15	Hi		+ 5.2	2716.5		X	0	0	652,888	2,267,665 CORRECTED AZIMUTH
1082	39		193° 52' (283° 19')		9.4	-		-9.4		2707.1		+9	-38	652,897	2,267,627 THIS SET-UP
TPg	312	310.6	186° 58' 55"		8.5	95° 30'	29.8	38.3		2678.2	TP	+35	309	652,922	2,267,356 SUNSHOT WAS TAKEN.
TPg	312		(276° 25' 27")		8.6	264° 30'	29.8	38.4			TP	-1			
TPf			0° 00' 00"												
TPg	0				+ 5.2	Hi		+ 5.2	2683.4		X	0	0	652,922	2,267,356

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
9-1-82		B. Cotcamp		D. Hamilton		6834		B.C.		CA.-7	200				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF. - SIERRA		CAMPTONVILLE-7 1/2		CALIF.		YUBA					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
									2683.4						
1083	49		144° 12' (240° 37')		10.5	-		-10.5		2672.9		-24	-43	652,098	2,267,313
1084	365		112° 16' (208° 41')		7.5	94° 20'	27.5	35.0		2648.4		-320	-175	652,602	2,267,181
TPH	502		111° 53'		9.7	92° 10'	19.0	28.7			TP	-442	238	652,479	2,267,118
TPH	502		(208° 18' 27")		9.6	267° 50'	19.0	28.6		2654.8	TP	-1			
TPG			0° 00' 00"												
TPH	0				+5.3	41°		+5.3	2660.1		X	0	0	652,479	2,267,118
1085	174		137° 38' (165° 56')		7.9	87°	+9.1	1.2		2661.3		-169	+42	652,310	2,267,160
TPH	203		137° 15' 19"		6.0	87° 30'	+8.8	+2.8			TP	-96	+51	652,282	2,267,169
TPH	203		(165° 33' 46")		5.9	272° 30'	+8.8	+2.9		2663.0	TP	-1			
TPH			0° 00' 00"												
TPH	0				+5.1	41°		+5.1	2668.1		X	0	0	652,282	2,267,169
TPH	134		231° 20' 03"		2.6	89° 30'	+1.2	7.4		2666.7	TP	-107	80	652,174	2,267,089
TPH	134		(216° 53' 49")		2.6	270° 30'	+1.2	-1.4			TP	-1			
TPH			0° 00' 00"												
TPH	0				+5.2	41°		+5.2	2671.9		X	0	0	652,174	2,267,089
1086	175		194° 12' (231° 06')		1.8	86° 30'	+10.7	8.9		2680.8		-110	-136	652,064	2,266,953

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		
9-1-82		B. Cotcamp		D. Hamilton		6834		B.C.		C.A.-7		201		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
NO. CALIF.-SIERRA		CAMPTONVILLE-7 1/2		CALIF.		Yuba						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.	
									2671.9					
TPk	265	264.0	189° 59' 43"		9.3	85°	+23.0	+13.7	2685.6	TP	-180	793	651,993	2,266,896
TPk	265		(226° 53' 32")		9.4	275°	+23.0	+13.6						
TPj			0° 00' 00"											
TPk	0				+ 5.05	Mi.		+ 5.1	2690.7	TP	0	0	651,993	2,266,896
1087	232		156° 48' (203° 42')		4.1	86°	+16.1	+12.0	2702.7		-212	-93	651,781	2,266,803
TP <sub>2</sub>	478	476.2	155° 58' 17"		6.8	85°	+41.5	+34.7	2725.4	TP	-439	785	651,553	2,266,711
TP <sub>2</sub>	478		(202° 51' 49")		6.8	275°	+41.5	+34.7						
TPk			0° 00' 00"											
TP <sub>2</sub>	0				+ 5.25	Mi.		+ 5.3	2730.7	TP	0	0	651,553	2,266,711
1088	85		195° 33' (218° 25')		6.1	87°	+4.4	-1.7	2729.0		-67	-53	651,486	2,266,658
1089	412		206° 50' (229° 42')		8.7	88°	+14.4	+5.7	2736.4		-266	-314	651,287	2,266,397
1090	744		205° 08' (228° 00')		5.0	87° 50'	+28.1	+23.1	2753.8		-498	-553	651,055	2,266,158
TPm	945	944.0	205° 04' 58"		2.8	87° 20'	+43.9	+41.1	2771.8	TP	-632	701	650,920	2,266,010
TPm	945		(227° 56' 47")		2.8	272° 40'	+43.9	+41.1						
TP <sub>2</sub>			0° 00' 00"											
TPm	0				+ 5.1	Mi.		+ 5.1	2776.9	TP	0	0	650,920	2,266,010

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-1-82		B. Cotcamp		D. Hamilton		6834		B.C.		C.A.-7		202			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMPTONVILLE-7 1/2		CALIF.		Yuba								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
									2776.9						
1091	138		185° 03' (233° 00')		2.9	89° -	+2.4	-0.5		2776.4		-83	-110	650,837	2,265,900
1092	450		174° 57' (222° 54')		7.1	89° -	+7.9	+0.8		2777.7		-330	-306	650,590	2,265,704
TP <sub>N</sub>	559		174° 00' 23"		2.8	89° 30'	+4.9	+2.1			TP	-416	374	650,503	2,265,636
TP <sub>N</sub>	559		(221° 57' 10")		2.7	270° 30'	+4.9	+2.2		2779.1	TP	-1			
TP <sub>N</sub>			0° 00' 00"												
TP <sub>N</sub>	0				+ 5.05	Mi		+5.1	2784.2		X	0	0	650,503	2,265,636
1093	218		166° 01' (207° 58')		3.6	89° -	+3.8	+0.2		2784.4		-193	-102	650,310	2,265,534
TP <sub>0</sub>	447		157° 33' 23"		4.2	88° -	+15.6	+11.4		2795.6	TP	-421	749	650,081	2,265,487
TP <sub>0</sub>	447		(199° 30' 33")		4.3	272° -	+15.6	+11.3			TP	-1			
TP <sub>N</sub>			0° 00' 00"												
TP <sub>0</sub>	0				+ 5.2	Mi		+5.2	2800.8		X	0	0	650,081	2,265,487
1094	97		197° 14' (216° 45')		2.9	88° 30'	+2.5	-0.4		2800.4		-78	-58	650,003	2,265,429
1095	427		199° 55' (219° 26')		5.1	89° -	+7.5	+2.4		2803.2		-330	-271	649,751	2,265,216
TP <sub>P</sub>	591		199° 00' 16"		2.8	89° -	+10.3	+7.5		2808.3	TP	-462	368	649,618	2,265,119
TP <sub>P</sub>	591		(218° 30' 49")		2.8	271° -	+10.3	+7.5			TP	-1			
TP <sub>0</sub>			0° 00' 00"												
TP <sub>P</sub>	0				+ 4.65	Mi		+4.7	2813.0		X	0	0	649,618	2,265,119 IN CORNER

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
9-1-82		B. Cotcamp		D. Hamilton		6834		D.D. for B.C.		C.A.-1	203					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF. - SIERRA		CAMPTONVILLE - 7 1/2		CALIF.		YUBA					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
									2813.0							
1096	150		85° 02' (123° 33')		4.7	89° -	+2.6	-2.1		2810.9		-83	+125	649,535	2,265,244	AROUND 90
TPa	340		84° 24' 05"		5.8	88° -	+11.9	+6.1		2819.1	TP	-185	+285	649,432	2,265,404	
TPa	340		(122° 54' 54")		5.9	272° -	+11.9	+6.0			TP	-1				
TPP			0° 00' 00"													
TPa	0				+4.5	Hi.		+4.5	2823.6		T	0	0	649,432	2,265,404	
1097	149		202° 43' 02"		5.6	91° -	-2.6	-8.2			TP	-123	+84	649,308	2,265,488	ACROSS
1097	149		(145° 37' 56")		5.5	269° -	-2.6	-8.1		2815.5	TP	-1				STATION.
TPa			0° 00' 00"													
1097	0				+5.25	Hi.		+5.3	2820.8		T	0	0	649,308	2,265,488	
1098	330		206° 08' (171° 46')		7.3	92° 30'	-14.4	-21.7		2799.1		-327	+47	648,981	2,265,535	
TPR	441		206° 53' 46"		6.7	93° -	-23.0	-29.7		2791.1	TP	-437	+57	648,870	2,265,545	
TPR	441		(172° 31' 42")		6.7	267° -	-23.0	-29.7			TP	-1				
1097			0° 00' 00"													
TPR	0				+5.15	Hi.		+5.2	2796.3		T	0	0	648,870	2,265,545	
TPs	210		214° 09' 18"		4.3	93° -	-11.0	-15.3			TP	-187	-94	648,682	2,265,451	opp. side of
TPs	210		(206° 41' 00")		4.2	267° -	-11.0	-15.2		2781.1	TP	-1				ROAD

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-1-82		B. Catcamp		D. Hamilton		6834		DS for B.C.		C.A.-7		204			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMPTONVILLE - 7 1/2		CALIF.		YUBA								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
									2781.1						
TPR			0° 00' 00"												
TPs	0			+ 4.95	Hi		+5.0	2786.1			X	0	0	648,682	2,265,451
1099	36		264° 41' (291° 22')		7.5	-	-7.5	2778.6				+13	-34	648,695	2,265,417
1100	363	362.1	242° 26' 40"		7.7	94°	25.3	2753.1			TP	-6	362	648,675	2,265,089
1100	363		(269° 07' 40")		7.7	266°	25.3				TP	-1			ACROSS STA.
TPs			0° 00' 00"												
1100	0			+ 5.1	Hi		+5.1	2758.2			X	0	0	648,675	2,265,089
TP <sub>T</sub>	137		206° 01' 40"		5.3	93°	7.2	2745.7			TP	+58	724	648,732	2,264,965
TP <sub>T</sub>	137		(295° 09' 20")		5.3	267°	7.2				TP	-1			
1100			0° 00' 00"												
TP <sub>T</sub>	0			+ 5.15	Hi		+5.2	2750.9			X	0	0	648,732	2,264,965
1101	200		205° 21' (320° 30')		5.7	93° 30'	72.2	2733.0				+154	-127	648,886	2,264,838
TP <sub>u</sub>	297		203° 16' 48"		5.0	93°	15.5	2730.4			TP	+222	797	648,953	2,264,768
TP <sub>u</sub>	297		(318° 26' 08")		5.0	267°	15.5				TP	-1			
TP <sub>T</sub>			0° 00' 00"												
TP <sub>u</sub>	0			+ 5.2	Hi		+5.2	2735.6			X	0	0	648,953	2,264,768

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
9-1-82		B. Cotcamp		D. Hamilton		6834		D.J. for B.C.			C.A.-7		205		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMPTONVILLE-T <sup>1</sup> / <sub>2</sub>		CALIF.		Yuba								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
									2735.6						
1102	220		124° 18' (262° 44')		6.3	92° 30'	-9.6	-15.9		2719.7		-28	-218	648,925	2,264,550
TP <sub>v</sub>	346		124° 24'		3.1	93° 00'	-18.1	-21.2			TP	-43	-343	648,909	2,264,425
TP <sub>v</sub>	346		(262° 50' 08")		3.0	267° 00'	-18.1	-21.1		2714.5	TP	-1			opp. side OF ROAD
TP <sub>u</sub>			0° 00' 00"												
TP <sub>v</sub>	0				+4.95	Mi		+5.0	2719.5		X	0	0	648,909	2,264,425
1103	208		197° 36' (280° 26')		5.1	91° 30'	-5.4	-10.5		2709.0		+38	-205	648,947	2,264,220
TP <sub>w</sub>	370		197° 21' 18"		2.8	92° 00'	-12.9	-15.7		2703.8	TP	+65	-364	648,973	2,264,061
TP <sub>w</sub>	370		(280° 11' 26")		2.9	268° 00'	-12.9	-15.8			TP	-1			opp. side OF ROAD
TP <sub>v</sub>			0° 00' 00"												
TP <sub>w</sub>	0				+5.0	Mi		+5.0	2708.8		X	0	0	648,973	2,264,061
1104	183		232° 52' (333° 03')		7.7	93° 00'	-9.6	-17.3		2691.5		+163	-83	649,136	2,263,978
TP <sub>x</sub>	301		229° 48' 23"		5.3	93° 00'	-15.7	-21.0		2687.8	TP	+260	-150	649,232	2,263,911
TP <sub>x</sub>	301		(329° 59' 49")		5.3	267° 00'	-15.7	-21.0			TP	-1			opp. side OF ROAD
TP <sub>w</sub>			0° 00' 00"												
TP <sub>x</sub>	0				+5.2	Mi		+5.2	2693.0		X	0	0	649,232	2,263,911
1105	115		153° 25' (303° 25')		6.7	94° 00'	-8.0	-14.7		2678.3		+63	-96	649,295	2,263,815
															AROUND 180 TURN

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
9-1-82		B. Cotcamp		D. Hamilton		6834		DS dm B.C.		C.A.-7		206				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF. - SIERRA		CAMPTONVILLE-1/2'		CALIF.		YUBA								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
									2693.0							
TPy	340		92° 09' 35"		5.5	92° 40'	75.8	21.3	}	2671.7	TP	759	300	649,072	2,263,611	opp. side through of road trees
TPy	340		(242° 09' 24")		5.5	267° 20'	75.8	21.3		TP	-1					
TPx	0		0° 00' 00"													
TPy	0			+	5.25	Mi		+5.3	}	2677.0	X	0	0	649,072	2,263,611	
1106	37		230 18 (292° 27')		5.8	-	-5.8	-5.8			2671.2		+14	-34	649,086	2,263,577
TPz	227		201° 48' 41"		2.9	91° 30'	5.9	8.8	}		TP	-24	226	649,047	2,263,385	opp.
TPz	227		(263° 58' 05")		2.8	268° 30'	5.9	-8.7			2668.3	TP	-1			
TPy			0° 00' 00"													
TPz	0			+	5.3	Mi		+5.3	}	2673.6	X	0	0	649,047	2,263,385	
1107	61		122° 47' (206° 45')		6.7	-	-6.7	-6.7			2666.9		-54	-27	648,993	2,263,358
1108	390		112° 25' (196° 23')		2.8	92° -	73.6	76.4		2657.2		-374	-110	648,673	2,263,275	
TPA	471		112° 52' 37"		5.9	92° -	76.4	22.3	}	2651.3	TP	-451	736	658,595	2,263,249	
TPA	471		(196° 50' 42")		5.9	268° -	76.4	22.3				TP	-1			
TPz			0° 00' 00"													
TPA	0			+	5.15	Mi		+5.2	}	2656.5	X	0	0	648,595	2,263,249	
TPB	123		174° 51' 40"		5.2	92° -	74.3	9.5			2647.0	TP	-120	25	648,474	2,263,224
TPB	123		(191° 42' 22")		5.2	268° -	74.3	9.5			TP	-1				

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-1-82		B. Cotcamp		D. Hamilton		6834		DS Jm B.C.		C.A.-7		207			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMPIONVILLE - T <sub>1/2</sub>		CALIF.		Yuba								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
			0° 00' 00"						2647.0						
TPA			0° 00' 00"												
TPB	0			+ 5.1	Mi			+5.13	2652.1		π	0	0	648,474	2,263,224
1109	71		156° 32' (168° 14')		6.4	-		6.4		2645.7		-70	+14	648,404	2,263,238
TPC	298		148° 49' 41"		8.2	92° -	10.4	18.6		2633.5	TP	-281	+99	648,192	2,263,323
TPC	298		(160° 32' 03")		8.2	268° -	10.4	18.6			TP	-1			
			0° 00' 00"												
TPB			0° 00' 00"												
TPC	0			+ 5.05	Mi			+5.13	2638.6		π	0	0	648,192	2,263,323 OFF ROAD
1110	142		272° 28' (253° 00')		13.4	-		-13.4		2625.2		-42	-136	648,150	2,263,187 AROUND 90°
TPD	201		272° 45' 22"		2.9	93° 30'	12.2	15.1		2623.5	TP	-58	-192	648,133	2,263,131 CORNER
TPD	201		(253° 17' 25")		3.0	266° 30'	12.2	15.2			TP	-1			
			0° 00' 00"												
TPC			0° 00' 00"												
TPD	0			+ 5.1	Mi			+5.13	2628.6		π	0	0	648,133	2,263,131
1111	267		209° 12' (282° 29')		5.3	93° -	14.0	19.3		2609.3		+58	-261	648,191	2,262,870
TFE	392		207° 55' 21"		3.2	93° -	20.5	23.7			TP	+76	-384	648,208	2,262,747 AROUND
TFE	392		(281° 12' 46")		3.1	267° -	20.5	23.6		2605.0	TP	-1			90° CORNER
			0° 00' 00"												
TPD			0° 00' 00"												
TFE	0			+ 5.1	Mi			+5.1	2610.1		π	0	0	648,208	2,262,747

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-1-82		B. Cotcamp		D. Hamilton		6834		DS Jr BC		C.A.-7		208			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		CAMPTONVILLE-7 1/2		CALIF.		YUBA								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
									2610.1						
1112	201		116° 02' (217° 15')		1.8	-		-1.8		2608.3		-160	-122	648,048	2,262,625
TPF	371		115° 17' 01"		6.3	-		-6.3		2603.8	TP	-298	221	647,909	2,262,526
TPF	371		(216° 29' 47")		6.4	270°		-6.4			TP	-1			opp. side of ROAD
TPF			0° 00' 00"												
TPF	0				+ 5.25	M.		+5.3	2609.1		TP	0	0	647,909	2,262,526
1113	165		225° 06' (261° 36')		13.0	-		-13.0		2596.1		-24	-163	647,885	2,262,363
TPG	245		226° 54' 30"		7.7	92° 30'	10.7	-18.4		2590.7	TP	-28	243	647,880	2,262,283
TPG	245		(263° 24' 17")		7.7	267° 30'	10.7	-18.4			TP	-1			
TPF			0° 00' 00"												
TPG	0				+ 5.15	M.		+5.2	2595.9		TP	0	0	647,880	2,262,283
1114	250		203° 35' (286° 59')		5.5	95°	21.7	-27.2		2568.7		+73	-239	647,953	2,262,044
TPH	400		260° 31' 04"		3.7	92° 30'	17.4	-21.1		2574.8	TP	+96	-388	647,975	2,261,895
TPH	400		(283° 55' 21")		3.8	267° 36'	17.4	-21.1			TP	-1			THROUGH CORNER
TPG			0° 00' 00"												
TPH	0				+ 5.2	M.		+5.2	2580.0		TP	0	0	647,975	2,261,895
1115	165		123° 36' (227° 31')		11.5	-		-11.5		2568.5		-111	-122	647,864	2,261,773

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445.

Geosource Inc.

DATE	9-1-82	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Hamilton	PARTY NUMBER	6834	NOTES CHECKED BY	D.S. Jm B.C.	LINE NO.	C.A. - 7	PAGE	209		
AREA NO.	CALIF. - SIERRA	TOPO MAP	CAMPDUNVILLE - 7 1/2	STATE	CALIF.	COUNTY	YUBA	TWP		RANGE		PPM		PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									2580.0							
TP <sub>E</sub>	270		119° 40' 19"		4.6	93°	-14.1	-18.7		2561.3	TP	-195	186	647,779	2,261,709	Through
TP <sub>I</sub>	270		(223° 35' 40")		4.5	267°	-14.1	-18.6			TP	-1				CORNER.
TP <sub>H</sub>			0° 00' 00"													
TP <sub>E</sub>	0				+5.1	Mi		+5.1	2566.4		TP	0	0	647,779	2,261,709	
1116	210		149° 30' (193° 06')		5.8	92°	-7.3	-13.1		2553.3		-205	-48	647,574	2,261,661	
1117	531		137° 03' (180° 39')		3.9	92°	-18.5	-22.4		2544.0		-531	-6	647,248	2,261,703	
TP <sub>J</sub>	564		136° 48' 05"		6.4	91° 30'	-14.8	-21.2		2545.2	TP	-564	-4	647,214	2,261,705	Opp. side
TP <sub>J</sub>	564		(180° 23' 45")		6.4	268° 30'	-14.8	-21.2			TP	-1				OF ROAD
TP <sub>I</sub>			0° 00' 00"													
TP <sub>J</sub>	0				+5.0	Mi		+5.0	2550.2		TP	0	0	647,214	2,261,705	
TP <sub>K</sub>	126		228° 31' 07"		4.5	94° 30'	-9.9	-14.4		2535.8	TP	-83	-95	647,130	2,261,610	
TP <sub>K</sub>	126		(228° 54' 52")		4.5	265° 30'	-9.9	-14.4			TP	-1				
TP <sub>J</sub>			0° 00' 00"													
TP <sub>K</sub>	0				+5.3	Mi		+5.3	2541.1		TP	0	0	647,130	2,261,610	
1118	181		198° 56' (247° 51')		5.4	92°	-6.3	-11.7		2529.4		-68	-168	467,062	2,261,442	y=647,005 x=2261,455
h	262		192° 44' 10" (241° 39' 02")		10.2	91°	-7.6	-14.8		2526.3	h	-124	-231	647,006	2,261,379	h-h INTERSECT EL 2526.3

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
9-1-82		B. Cotcamp		D. Hamilton		6834		D.H. DS Jr		C.A. - 7		210				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF. - SIERRA		CAMPTONVILLE - 7 1/2		CALIF.		YUBA								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
									2541.1							
TP <sub>L</sub>	280		196° 11' 20"		7.2	91° 30'	-7.3	-14.5			TP	-118	-254	647,011	2,261,356	F.O.D. CORRECTED AZIMUTH @ THIS POINT. SUNSHOT.
TP <sub>L</sub>	280		(245° 06' 12")		7.3	268° 30'	-7.3	-14.6		2526.5	TP					
TP <sub>K</sub>			0° 06' 00"													
TP <sub>L</sub>	0			+ 5.0	Hi			+ 5.0	2531.5		TP	0	0	647,011	2,261,356	
1119	235		195° 23' (260° 23')		6.7	89° -	+4.1	-2.6		2528.9		-39	-232	646,972	2,261,124	
1120	565		194° 42' (259° 42')		3.6	89° -	+9.9	+6.3		2537.8		-101	-556	646,910	2,260,800	
1121	894		193° 41' (258° 41')		3.1	88° 50'	+18.2	+15.1		2546.6		-175	-877	646,836	2,260,479	
TP <sub>A</sub>	862	762	192° 36' 41"		9.1	88° 30'	+27.8	+18.7			TP	-228	-1037	646,782	2,260,319	
TP <sub>A</sub>	862	762	(257° 36' 15")		9.2	271° 30'	+27.8	+18.6		2550.1	TP	-1				
TP <sub>L</sub>			0° 00' 00"													
TP <sub>A</sub>	0			+ 5.0	Hi			+ 5.0	2555.1		TP	0	0	646,782	2,260,319	
1122	159		166° 06' (243° 42')		2.3	-		-2.3		2552.8		-70	-143	646,712	2,260,176	
# SEC TIME	182		163° 25' 40" (241° 01' 55")		1.7	-		-1.7		2553.4		-	-			
1123	487		164° 35' (242° 11')		6.6	89° -	+8.5	+1.9		2557.0		-227	-431	646,555	2,259,888	
TP <sub>B</sub>	566		161° 08' 25"		8.2	89° -	+9.9	+1.7		2556.8	TP	-294	-484	646,487	2,259,835	through
TP <sub>B</sub>	566		(238° 44' 40")		8.1	271° -	+9.9	+1.8			TP	-1				corner

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-2-82		B. Cotcamp		D. Hamilton		6834		D.H. DS Jr		C.A.-7		211			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMPTONVILLE-74		CALIF.		YUBA								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
TPA			0° 00' 00"							2556.8					
TPB	0				+ 4.95	Hi	+ 4.9		2561.7		TP	0	0	646,487	2,259,835
1124	245		155° 22' (214° 07')		5.0	91° 30'	-4.3	-9.3		2552.4		-203	-137	646,284	2,259,698
1125	573		154° 39' (213° 24')		12.2	91° 30'	-15.0	-27.2		2534.5		-478	-315	646,009	2,259,520
TPc	722		154° 34' 23"		10.9	91° 30'	-18.9	-29.8		2531.9	TP	-603	-396	645,883	2,259,439 PP. side
TPc	722		(213° 19' 03")		10.8	268° 30'	-18.9	-29.7			TP	-1			of ROAD
TPB			0° 00' 00"												
TPc	0				+ 4.6	Hi	+ 4.6		2536.5		TP	0	0	645,883	2,259,439
1126	189		209° 51' (243° 10')		7.3	91° 30'	-4.9	-12.2		2524.3		-85	-169	645,798	2,259,270
1127	520		210° 58' (244° 11')		4.1	89° 50'	+1.5	-2.6		2533.9		-226	-468	645,657	2,258,971
Bm	589		208° 08' 08" (241° 27' 11")		3.0	-		-3.0		2533.5	Bm				4.565 Bm EL. 2532.0
1128	840		210° 41' 38"		5.8	-		-5.8		2530.7	TP	-368	-755	645,514	2,258,684
1128	840		(244° 06' 41")		5.7	270°		-5.7			TP	-1			
TPc			0° 00' 00"												
1128	0				+ 4.75	Hi	+ 4.7		2535.4		TP	0	0	645,514	2,258,684
1129	330		157° 50' (221° 51')		7.6	93° 30'	-17.2	-24.8		2510.6		-246	-220	645,268	2,258,464
TPD	421		156° 37' 24"		4.4	93° 30'	-25.7	-30.1		2505.3	TP	-319	-274	645,194	2,258,410
TPD	421		(220° 38' 05")		4.3	266° 30'	-25.7	-30.0			TP	-1			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-2-82		B. Cotcamp		D. Hamilton		6834		D.A. DS Jr		C.A.-7		212			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMPTONVILLE - 7 1/2		CALIF		YUBA								L.O. DAVIS	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
			6° 00' 00"							2505.3					
1128															
TPD	0				+ 5.05	M.		+ 5.0	2510.3		T	0	0	645,194 2,258,410	
1130	239		159° 58' (209° 36')		7.0	93°	12.5	19.5		2490.8		- 224	- 84	644,970 2,258,326	
41	388		155° 55' 59"		3.2	93° 30'	23.6	26.8		2483.5	41	-	-		
1131	566		156° 52' (197° 30')		5.7	93°	29.6	35.3		2475.0		- 540	- 170	644,654 2,258,240	
1132	910		157° 21' 13"		11.3	92° 30'	- 39.7	- 51.0		2459.3	TP	865	281	644,328 2,258,129	
1132	910		(197° 59' 18")		11.1	267° 30'	- 39.7	- 50.8			TP	- 1		Opp. Side of Road	
			0° 00' 00"												
TPD															
1132	0				+ 5.05	M.		+ 5.0	2464.3		T	0	0	644,328 2,258,129	
1133	332		228° 09' (246° 08')		10.2	91°	5.8	16.0		2448.3		- 134	- 304	644,194 2,257,825	
1134	662		228° 32' (246° 31')		7.7	90° 30'	5.8	13.5		2450.8		- 264	- 607	644,064 2,257,522	
TFE	803		228° 09' 21"		5.8	90° 30'	- 7.0	- 12.8		2451.5	TP	- 325	- 734	644,002 2,257,395	
TFE	803		(246° 08' 39")		5.7	269° 30'	- 7.0	- 12.7			TP	- 1			
			0° 00' 00"												
1132															
TFE	0				+ 4.8	M.		+ 4.8	2456.3		T	0	0	644,002 2,257,395	
1135	190		143° 24' (209° 33')		3.1	-		- 3.1		2453.2		- 165	- 94	643,837 2,257,301	
TFE	506		136° 07' 57"		6.9	89° 30'	+ 4.4	- 2.5		2453.8	TP	- 468	- 192	453,533 2,257,203	
TFE	506		(202° 16' 36")		6.8	270° 30'	+ 4.4	- 2.4			TP	- 1		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			
9-2-82		B. Catcamp		D. Hamilton		6834		D.H. DS Jr		P.A.-7		213			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		CAMPTONVILLE - 7 1/2		CALIF.		YUBA								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
TPe			0° 00' 00"							2453.8					
TPe	0				+5.15	Mi		+5.2	2459.0		TP	0	0	643,533 2,257,203	
1136	46		261° 14' (283° 31')		8.5	-		-8.5		2450.5		+11	-45	643,544 2,257,158	
1137	362		225° 27' (247° 44')		7.1	93° -	78.9	26.0		2433.0		-137	-335	643,396 2,256,868	
1138	690		222° 43' (245° 00')		5.2	92° 20'	28.1	33.3		2425.7		-292	-625	643,241 2,256,578	
TPc	889		222° 05' 39"		3.2	92° -	-31.0	-34.2		2424.8	TP	384	801	643,148 2,256,402 opp. side of	
TPc	889		(244° 22' 15")		3.1	268° -	-31.0	-34.1			TP	-1		Road.	
TPi			0° 00' 00"												
TPc	0				+4.95	Mi		+4.9	2429.7		TP	0	0	643,148 2,256,402	
1139	147		215° 42' (280° 04')		4.2	88° 30'	+3.8	0.4		2429.3		+26	-145	643,174 2,256,257	
1140	475		215° 15' (279° 37')		6.7	88° 30'	+12.4	+5.7		2435.4		+79	-468	643,227 2,255,934	
TPH	530		212° 37' 34"		8.8	88° 30'	+13.9	+5.1			TP	+65	526	643,212 2,255,876	
TPH	530		(276° 59' 49")		8.9	271° 30'	+13.9	+5.0		2434.7	TP				
TPc			0° 00' 00"												
TPH	0				+5.15	Mi		+5.1	2439.8		TP	0	0	643,212 2,255,876	
1141	270		127° 58' (224° 58')		11.0	92° -	9.4	20.4		2419.4		-191	-191	643,021 2,255,685	
1142	600		125° 27' (222° 27')		2.1	92° -	20.9	23.0		2416.8		-443	-405	642,769 2,255,471	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
9-2-82		B. CotCamp		D. Hamilton		6834		D.H. D.S. Jr		C.A.-7	214				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
NO. CALIF.-SIERRA		CAMPTONVILLE - 7 1/2		CALIF.		Yuba					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
									2439.8						
TPi	780		125° 27' 41"		7.1	91°	-13.6	-20.7			TP	-575	-526	642,636	2,255,350
TPi	780		(222° 27' 30")		7.2	269°	-13.6	-20.8		2419.0	TP	-1			
TPH			0° 00' 00"												
TPi	0				+ 5.2	Mi.		+5.2	2424.2		TP	0	0	642,636	2,255,350
1143	146		189° 20' (231' 48")		8.4	-		-8.4	2415.8			-90	-115	642,546	2,255,235
1144	475		186° 47' (229° 15')		11.1	92° 30'	20.7	31.8	2392.4			-310	-360	642,326	2,254,990
TPj	510		185° 49' 40"		12.6	92° 30'	-22.2	-34.8			TP	339	380	642,297	2,254,970
TPj	510		(228° 17' 10")		12.7	267° 30'	-22.2	-34.9		2389.3	TP				
TPi			0° 00' 00"												
TPj	0				+ 5.15	Mi.		+5.13	2394.4		TP	0	0	642,297	2,254,970
TPk	256		167° 11'		0.9	96° 30'	-28.8	-29.7			TP	207	748	642,090	2,254,822
TPk	256		(215° 28' 10")		1.0	263° 30'	-28.8	-29.8		2364.6	TP				
TPj			0° 00' 00"												
TPk	0				+ 5.35	Mi.		+5.33	2369.9		TP	0	0	642,090	2,254,822
1145	37		192° 39' (228° 07')		6.0	95°	3.2	9.2	2360.7			-25	-28	642,065	2,254,794
1146	367		195° 32' (231° 00')		11.3	94° 40'	29.8	41.1	2328.8			-231	-285	641,859	2,254,537
1147	696		194° 29' (229° 57')		7.0	94°	48.4	55.4	2314.5			-448	-533	641,642	2,254,289

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 9-2-82	INSTRUMENT MAN B. Cotcamp	ROD MAN O. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY D.H. D. Jr	LINE NO. C.A.-7	PAGE 215
AREA NO. CALIF. - SIERRA	TOPO MAP CAMPTONVILLE-7 1/2	STATE CALIF.	COUNTY Yuba	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.	
									2369.9					
1148	1027		193° 11' (228° 39')		5.5	92° 30'	44.8	50.3		2319.6		-678	-771	641,412 2,254,051
1149	1356		192° 37' (228° 05')		4.6	92° 30'	59.1	63.7		2306.2		-906	-1009	641,184 2,253,813
TP <sub>1</sub>	1545		192° 47' 01"		6.0	92° 20'	-62.9	-68.9		2301.0	TP	1028	1152	641,062 2,253,669
TP <sub>2</sub>	1545		(228° 15' 11")		5.9	267° 40'	-62.9	-68.8			TP		-1	
* CONTINUED ON Page 216 *														

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-9-82		D. Shabeldeen		D. Hamilton		6834		DS Jr		CA-7		216			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
AL. CAL. - SIERRA		CAMPTONVILLE 7 1/2		CA.		Yuba								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
TPR			00° 00' 00"							2301.0					
TPL	0				+5.5			+5.5	2306.5		π	0	0	641,062	2,253,669
1150	138		163 37 56 (211° 53')	13.6	90° 00'			-13.6	2292.9			-117	-73	640,445	2,253,596
1151	468		163 42 46 (211° 58')	12.0	92 18 20	-18.8		-30.8	2275.7			-397	-248	640,665	2,253,421
1152	800		161 23 20 (209° 38')	12.0	92 01 40	-28.3		-40.3	2266.2			-695	-396	640,367	2,253,273
TPN	1030		162 25 00		12.0	91 41 40		-42.4	2264.1		TP	886	525	640,176	2,253,143
TPN			(210° 46' 11")		-12.0	268 18 40		-30.3			TP		-1		
TPR			00° 00' 00"												
TPN	0				+5.0			+5.0	2269.1		π	0	0	640,176	2,253,143
1153	107		226 11 40 (256° 52')	4.9	90° 00'	0.0		-4.9	2264.2			-24	-104	640,152	2,253,109
1154	450		215 12 00 (245° 52')	12.0	90° 00'	0.0		-12.0	2257.1			-184	-411	639,992	2,252,732
TPN	623		215 07 40		-11.7	90° 00'		-11.7	2257.4		TP	255	568	639,921	2,252,574
TPN			(245° 47' 51")		-11.7	270 00		-11.7			TP		-1		
TPR			00 00 00												
TPN	0				+5.05			+5.0	2262.4		π	0	0	639,921	2,252,574
1155	150		214 43 30 (270° 32')	8.2	90 00	0.0		-6.2	2256.2			+27	-147	639,948	2,252,427
1156	480		208 55 20 (214° 43')	8.2	90 00	0.0		-8.2	2254.2			+39	-478	639,960	2,252,096

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
9-9-82		D. SHABELDEEN		D. Hamilton		6834		DS Jm		C.A. - 7	217						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
NO. CALIF. - SIERRA		CAMPTONVILLE - 7 1/2		CALIF.		YUBA					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		
									2262.4								
1157	810		207° 53' 00" (273° 41')		10.0	90-23 40	-5.6	-15.6		2246.8		+ 52	- 808	639,973	2,251,766		
1158	1136		207° 51' 20"		14.6	90-30	-9.9	-24.5		2237.9	TP	+ 72	- 1134	639,993	2,251,439		
1158	1136		(273° 39' 11")		14.5	269-30	-9.9	-24.4			TP		-				
TPN			0° 00' 00"														
1158	0				5.1	Hi		+ 5.1	2243.0		X	0	0	639,993	2,251,439		
Bm	92		57° 38' 57" (191° 18' 08")		2.4	89-00	+1.6	-0.8	2242.2		Bm						u.s.g.s Bm RESET 1970 EL. 2241.0
TPtree	97		199° 19' 18"		5.6	89-00	+1.7	-3.9	2237.9		TP	+ 38	- 89	640,031	2,251,349		MISTIE +1.2 CORRECTED AT TP TREE -1.2'
TPtree	97		(292° 58' 29")		5.7	271-00	+1.7	-4.0			TP		-				
1158			0° 00' 00"														
TPtree	0				+ 5.15	M.		+ 5.1	2243.0		X	0	0	640,031	2,251,349		OFF ROAD.
1159	245		148° 09' (261° 07')		13.9	-		-13.9	2229.1			- 38	- 242	639,993	2,251,107		
1160	575		150° 08' (263° 06')		16.0	91 19'	-13.2	-23.2	2219.8			- 69	- 571	639,962	2,250,778		
1161	905		148° 42' (261° 40')		10.0	91 24'	-22.1	-32.1	2210.9			- 131	- 895	639,900	2,250,454		
1162	1240		146° 34' 01"		10.0	91° 27' 30"	-31.6	-41.6	2201.5		TP	- 25	- 72.19	639,806	2,250,129		
1162	1240		(259° 32' 30")		10.0	268° 32' 58"	-31.4	-41.4	41.5		TP		-				

SURVEY NOTES-HIGH RESOLUTION DATA

7EO-4.15

Geosource Inc.

DATE <b>9-9-82</b>	INSTRUMENT MAN <b>D. Shabeldeen</b>	ROD MAN <b>A Hamilton</b>	PARTY NUMBER <b>6834</b>	NOTES CHECKED BY <b>DS Jr</b>	LINE NO. <b>CA-7</b>	PAGE <b>218</b>
AREA <b>N. Cal. Sierra</b>	TOPO MAP <b>Camptonville 7 1/2</b>	STATE <b>Calif.</b>	COUNTY <b>Huba</b>	RANGE	PPM	PARTY MANAGER <b>L. Davis</b>

STATION NO.	SLOPE 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.	
TP <sub>tree</sub>			0° 00' 00"							2201.5				
1162	0				5.4			+5.4	2206.9		X	0	0	639,806 2,250,129
1163	330		166° 48' 00" (246.21)		8.0	90-1940	7.9	9.9		2197.0		-132	-302	639,674 2,249,827
1164	660		164° 25' 00" (243.58)		8.0	89° 52' 40"	1.9	6.6		2200.2		-290	-593	639,516 2,249,536
1165	990		161° 35' 00" (241.02)		8.0	89° 14'	13.2	5.2		2212.1		-478	-867	639,328 2,249,262
TP <sub>o</sub>	1156		160° 14' 00"		5.0	89-0020	20.1	+15.1		2222.0	TP	-582	-999	639,224 2,249,129
TP <sub>o</sub>	1156		(239° 46' 30")		5.0	270-5730	19.3	+14.3			TP		-1	
* CONTINUED ON PAGE 219 *														

SURVEY NOTES-HIGH RESOLUTION DATA

SEO-145

Geosource Inc.

DATE 9-9-82	INSTRUMENT MAN D. SHARDEEN	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY DS Jr	LINE NO. CAL-7	PAGE 219
AREA N. CAL. SIERRA	TOPO MAP Camptonville 7 1/2	STATE CAL.	COUNTY YUBA	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.	
										2222.0				
1162			00° 00' 00"											
TP <sub>0</sub>	0				+5.1	-		+5.1	2227.1		X	0	0	639,224 2,249,129
1166	156		165 36 00 (225° 23')		-1.0	89 09 40	+5.0	+4.0		2231.1		-110	-111	639,114 2,249,018
1167	486		161 06 20 (220° 53')		-5.0	86 52	+26.5	+21.5		2248.6		-367	-318	638,857 2,248,811
<del>1168</del>	812		157 53 30		-5.0	87 13 40	+39.2	+34.2		2261.3	TP	742	796	638,582 2,248,632
<del>1168</del>			(217° 40' 00")		-5.0	272 46 40	+39.3	+34.3			TP		-1	
			00° 00' 00"											
<del>1168</del>	0				+5.1	-		+5.1	2266.4		X	0	0	638,582 2,248,632
1169	330		162 25 (200° 05')		-5.0	89 44 20	+7.3	+2.3		2268.7		-310	-113	638,272 2,248,519
1170	650		160 33 40 (198° 14')		-6.0	89 13 40	+8.8	+2.8		2269.2		-617	-203	637,965 2,248,429
1171	962		158 30 35		-6.0	89 45 20	+4.1	-1.9		2264.5	TP	724	268	637,658 2,248,363
1171	962		(196° 10' 35")		-6.0	270 14 40	+4.1	-1.9			TP		-1	
1168			00° 00' 00"											
1170	0				+5.1	-		+5.1	2269.6		X	0	0	637,658 2,248,363
1172	330		174 46 20 (190° 58')		-6.0	90 45	+4.3	+10.3		2259.3		-324	-63	637,334 2,248,300
1173	660		178 30 00 (194° 41')		-6.0	90 36 20	+5.8	+11.8		2257.8		-638	-167	637,020 2,248,196
TP <sub>0</sub>	760		188 15 35		-10.0	90 03 20	-0.7	-10.7		2258.9	TP	729	215	636,929 2,248,148
TP <sub>0</sub>	760		(196° 26' 10")		-10.0	269 36 40	-0.7	-10.7			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-9-82		D. Shabel Leon		D. Hamilton		6824		DS Jm		CAL-7		220			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. CAL. - Sierra		Camptonville-7 1/2		CAL.		Yuba								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
										2258.9					
1171			00° 00' 00"		+5.1	-		+5.1	2264.0		X	0	0	636,929	2,248,148
TP	0				+5.1	-					X	0	0		
1172	223		195 56 40 (212 23')	-5.0	88 36 30	+5.4	+0.4		2264.4			-188	-119	636,741	2,248,029
TP	560		198 37 00	-1.0	88 do	+18.6	+17.6		2281.6		TP	-458	321	636,471	2,247,827
TP			(215° 03' 10")	-1.0	277 54	+18.6	+17.6				TP				
TP			00° 00' 00"												
1175	0				+5.2	-		+5.2	2286.8		X	0	0	636,471	2,247,827
1176	332		205 50 40 (240 54)	-5.0	87 50 40	+12.5	+7.5		2294.3			-161	-290	636,310	2,247,537
1177	660		205 01 40 (240 05)	-6.0	87 42	+26.5	+20.5		2307.3			-329	-572	636,142	2,247,255
1178	990 <sup>1000</sup>		204 48 25	-5.0	88 08 20	+32.5	+27.5		2314.3		TP	502	864	635,969	2,246,963
1178	1000		(239° 51' 35")	-5.0	271 57 25	+32.4	+27.4				TP				
1175			00° 00' 00"												
1178	0				+5.1	-		+5.1	2319.4		X	0	0	635,969	2,246,963
1179	330		167 09 20 (227 01)	-5.2	90 00		5.2		2314.2			-225	-241	635,744	2,246,722
TP	638		162 21 25	-9.5	90 00	0.0	-9.5		2309.9		TP	-473	-429	635,496	2,246,534
1180	638		(222 13' 00")	-9.5	270 00	0.0	-9.5				TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-446

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
9-18-82		D. Shabel/Dean		D. Hamilton		6834		DS for		1	221			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
N. CAL. - Sierra		Casperville 7 1/2		Ca.		Yuba					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.	
									2309.9					
1178	0		00° 00' 00"											
1180	0				+5.0	-		+5.0	2314.9		X	0	0	635,496 2,246,531
1181	330		164 31 40 (206 45)	-10.0	96 57 46	5.5	15.5		2299.4			-295	-149	635,201 2,246,385
1182	658		161 16 00	-5.0	92 13	-25.4	-30.4				TP	603	262	634,893 2,246,272
1182	658		(203° 29' 00")	-5.0	267 47 30	-25.3	-30.3		2284.6		TP			
1180			00° 00' 00"											
1182	0				15.0	-		+5.0	2289.6		X	0	0	634,893 2,246,272
1183	330		170 33 00 (194 02')	-10.0	92 25 46	14.0	24.0		2265.6			-320	-80	634,573 2,246,192 Moonshine Rd
1184	660		169 35 20 (193 04')	-10.0	92 18	26.5	36.5		2253.1			-643	-149	634,250 2,246,123
1185	880 990		169 35 40 (193 05')	-10.0	92 16 46	39.3	49.3		2240.3			-964	-224	633,929 2,246,048
1186	721 820		169 48 40 (193 18')	-10.0	92 18 46	53.2	63.2		2226.4			-1285	-304	633,608 2,245,968
1187	1650		169 58 30 (193 28')	-10.0	92 18	66.2	76.2		2213.4			-1605	-384	633,288 2,245,888
1188	1980		170 04 00 (193 33')	-10.0	92 04 25	71.6	81.6		2208.0			-1925	-464	632,968 2,245,808
1189	2310		170 04 10 (193 33')	-10.0	91 41	67.8	77.8		2211.8			-2246	-541	632,647 2,245,731
1190	2640		169 12 20 (192 41')	-10.0	91 14 20	57.1	67.1		2222.5			-2576	-580	633,317 2,245,692
TPa	2153.6		168 51 25	-14.0	91 02 46	-50.2	-64.2		2225.4		TP	2690	588	632,203 2,245,684
TPa			(192° 20' 25")	-14.0	268 57 46	-49.9	-63.9				TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 9-10-82	INSTRUMENT MAN D. Shabelden	ROD MAN Don Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY DS Jm	LINE NO. CA-7	PAGE 222
AREA N. Calif. Sierra	TOPO MAP Camptonville-7 1/2	STATE Calif.	COUNTY Yuba	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	
1182			00° 00' 00"							2,225.4						
TPQ	0				+5.2			+5.2 }	2230.6		X	0	0	632,203	2,245,684	CALIFORNIA DEPT. OF PUBLIC WORKS - DIVISION OF HIGHWAY. 100+88.14 1969 BRASS PLATE IN HIGHWAY. 1 4-632,145 Horiz. 45+16 X-2,245,700 CORR. X-9
1191	209		151° 55' 20" (164° 15' 45")	164° 15' 45"	4.9	89-30	+0.5	-4.4		2226.2		-58	+16	632,145	2,245,700	
1192	539		167° 28' 40" (179° 49')	179° 49'	2.6	90-00		-2.6		2228.0		-209	+1	631,994	2,245,685	
1193	856		165° 52' 30" (178° 13')	178° 13'	6.0	89-28 20	+5.0	-1.0		2229.6		-539	+17	631,664	2,245,701	
1193	856	861	164° 36' 25"		6.0	89-58 20	+0.4	-5.6 }		2225.0	TP	-860	+46	631,340	2,245,731	SUNSHOT TAKEN @
1193	856	861	(176° 56' 50")		6.0	270° 02' 20"	+0.6	-5.4 }			TP					THIS POINT GRID AZIMUTH CORRECTED @ TP VISTA.
TPQ			00° 00' 00"													
1193	0				+5.1			+5.1 }	2230.1		X	0	0	631,340	2,245,731	
1194	330		185° 39' 00" (182° 36')	182° 36'	6.0	91-50 20	-10.6	-16.6		2213.5		-329	-15	631,011	2,245,716	
1195	663		183° 19' 00"		6.0	91-62 20	-12.0	-18.0 }		2212.1	TP	-663	-3	630,677	2,245,728	
1195	663		(180° 15' 50")		6.0	268-58	-12.0	-18.0 }			TP					
1193			00° 00' 00"													
1194	0				+5.1			+5.1 }	2217.2		X	0	0	630,677	2,245,728	
1196	330		206° 09' 00" (206° 25')	206° 25'	6.0	92-54	-16.7	-22.7		2194.5		-295	-147	630,382	2,245,581	Jarred Inst.
1196	660		205° 05' 20" (205° 21')	205° 21'	6.0	93-26	-39.5	-45.5 }		2171.7		-595	-282	630,082	2,245,446	
1198	982	980.5	205° 45' 40"		74.0	93-10 20	-54.3	-68.3 }		2148.9	TP	-881	-430	629,796	2,245,298	
1198	982		(206° 01' 30")		74.0	266-50 25	-54.0	-68.0 }			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	9-10-82	INSTRUMENT MAN	D. Shabelken	ROD MAN	D. Hamilton	PARTY NUMBER	2934	NOTES CHECKED BY	DS for	LINE NO.	Cal-7	PAGE	223
AREA	N. Cal. - Sierra	TOPO MAP	Comptonville 7 1/2	STATE	CA.	COUNTY	Yuba	RANGE		PPM		PARTY MANAGER	Z. Davis

STATION NO.	SLOPE 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	
										2148.9						
1195			60° 00' 00"													
1198	0				+5.0			+5.0	2153.9		X	0	0	629,796	2,245,298	
1199	330		192 13 40		-18.0	93 12 30	-18.4	-28.4		2125.5	TP	-259	-204	629,537	2,245,094	
1199	330		(218° 15' 10")		-10.0	266 40 40	-18.4	-28.4			TP					
1198			60° 00' 00"													
1199	0				+5.0	Hi		+5.0	2130.5		X	0	0	629,537	2,245,094	
1200	330		188 38 00 (226° 53')		-6.0	93 49 20	-22.0	-28.0		2102.5		-225	-240	629,312	2,244,853	
1201	<del>326</del> 328 / 6526	655.0	189 13 38		-14.0	93 14 20	-37.0	-51.0		2079.5	TP	-443	-483	629,095	2,244,611	
1201	656		(227° 28' 48")		-14.0	266 46 20	-36.9	-50.9			TP					
1199			00° 00' 00"													
1201	0				+5.0	Hi		+5.0	2084.5		X	0	0	629,095	2,244,611	
1202	315		160 33 20 (208° 02')		-4.0	94 32	-24.8	-28.8		2055.7		-277	-148	628,817	2,244,463	
1203	620		165 13 00 (212° 42')		-6.0	94 05 40	-44.2	-50.2		2034.3		-520	-334	628,574	2,244,277	
TP	700	698.2	169 19 20		-5.0	94 08 40	-50.5	-55.5		2029.0	TP	-559	-418	628,536	2,244,193	
TP	700		(216° 48' 08")		-5.0	265 50 00	-50.3	-55.3			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 9-9-82	INSTRUMENT MAN D. Sheble	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY DS Br	LINE NO. CAL-7	PAGE 224
AREA N. Cal - Sierra	TOP MAP Campbell, Va	STATE Cal.	COUNTY Yuba	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.	
									2029.0					
<del>1201</del> TR			00° 00' 00"											
TR	0			+ 5.0				+5.0	2034.0		X	0	0	628,536 2,244,193
1204	251		246° 45' 00" (283° 33')	-5.0	94 14 20	-18.5	-23.5		2010.5			+59	-243	628,594 2,243,949
1205	581		243° 07' 00" (277° 55')	6.0	94 01 20	40.7	46.7		1987.3			+100	-571	628,636 2,243,622
1206	445 890		246° 45' (283° 33')	-13.0	93 27	-53.5	-66.5		1967.5			+208	-864	628,744 2,243,329
1207	551 1102	1100.3	262° 53' 00" (299° 41')	-5.0	93 12 80	-61.4	-66.4		1967.6		TR	+545	-956	629,080 2,243,237
1208	1102			-5.0	266 48 20	-61.3	-66.3		6.5		TR			

5707 o/s 15' N.  
of STA.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-12-80		D. Shabeldein		D. Hamilton		6834		DS &		CM-7		225			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM			
N CAL. - Sierra		Challenge 1/2		CA.		Yuba						PARTY MANAGER L. Davis			
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TPa			00° 00' 00"						2225.0		K	ELEVATION + X, Y, COORD. FROM TP 1193		ELEVATION OF STA. 1193.	
TP93	0				+5.0			+5.0	2230.0		X	0	0	631,340 2,245,731	ack from 1:50 PL
TP VISTA	178		314 19 25		-1.0	89 26 35	+1.7	+0.7	2230.7		TP	+117	-134	631,455 2,245,598	Turn off
TP VISTA			(311 18 27)		-1.0	27 32 40	+1.7	+0.7			X				Collected 9210 Azimuth at this point.
TP93			00° 00' 00"												
TP VISTA	0				+5.0			+5.0	2235.7		X	0	0	631,455 2,245,598	629,080 - 2,248
TP 1205			93 24 20 (224° 42')		-14.0	94 21	-255.8	-269.8	1965.9		* TP	-2400	-2375	629,055 2,243,223	* SHOT IN
TP 1206			98 25 50 (229° 44')		-10.0	94 39	261.1	271.1	1964.6		X	-2083	-2459	629,372 2,243,139	Previous
TP 1207	3375.9		110 4 16 40 (235° 35')		-10.0	94 43 40	261.5	271.5	1964.2		X	-1795	-2619	629,660 2,242,979	Dam EL
TP 1208	3223.0														
TP 1209	3175.0														
TP 1210	3253.5		109 58 20 (241° 16')		-10.0	94 36 20	261.0	271.0	1964.7		X	-1564	-2853	629,891 2,242,745	Bull
TP 1211	3439.5		114 21 40 (245° 46')		-10.0	94 20 30	260.5	270.5	1965.2		X	-1412	-3137	630,043 2,242,461	Do
TP 1212	3709.5		117 21 00 (248° 39')		-10.0	94 02	260.6	270.6	1965.1		X	-1351	-3455	630,104 2,242,143	S
TP 1213	4024.3		118 31 20 (249° 49')		-10.0	93 42 20	259.8	269.8	1965.9		X	-1388	-3777	630,067 2,241,821	
TP 1214	4316.7		117 19 20 (248° 38')		-10.0	93 24	255.6	265.6	1970.1		X	-1573	-4020	629,882 2,241,578	
TP 1215	4548.6		114 37 00 (245° 55')		-10.0	92 59 40	237.2	247.2	1988.5		X	-1856	-4153	629,599 2,241,400	
TP 1216	4829.4		112 17 00 (243° 35')		-10.0	92 37 20	220.5	230.5	2005.2		X	-2148	-4325	629,307 2,241,120	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 9-12-82	INSTRUMENT MAN D. Shabeldec	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY DS Jr	LINE NO. CAL-1	PAGE 226
AREA N. CAL. - Sierra	TOPO MAP Challenge 7 1/2	STATE CA.	COUNTY Yuba	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	
									2235.7							
1217	5033.6		109 23 30 (240° 42')	-10.0	92 16 46	199.5	209.5		2026.2			-2464	-4390	628,991	2,241,208	
1218	5229.9		106 29 00 (237° 47')	-10.0	91 57	177.4	187.4		2048.3			-2788	-4425	628,667	2,241,173	
1219	5368.9		103 19 00 (234° 37')	10.0	91 43 40	161.3	171.3		2064.4			-3109	-4377	628,346	2,241,221	
1220	5500.8		72° 10 00 (231° 28')	10.0	91 33	148.2	158.2		2077.5			-3427	-4303	628,028	2,241,295	
1221	5659.6		99 14 20 (228° 32')	-10.0	91 22	134.3	144.3		2091.4			-3748	-4241	627,707	2,241,357	
1222	5883.9		92 57 00	-14.0	91 08 20	-116.9	-130.9		2104.8	TP		-4070	-4248	627,383	2,241,351	
1222	5883.9	5882.9	(277° 50' 20")	-14.0	268 52	227 38 20	-116.4	-130.4			TP					
1222	5883.9		94 55 00 (226° 13' 27")	-14.0	91 08 30	-116.9	-130.9									
⊕ CONTINUED ON P. 227 ⊕																

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
9-13-82		D. Shebelson		D. Hamilton		6834		DS Jr		Chc-1	227				
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
N. Cal - Sierra		Challenge 7 1/2		CA.		Yuba						L. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
											LAT.	DEP.	Y	X	
									2104.8						
TP 1222	0		00°00'00"		+5.0		+5.0	2109.8		X	0	0	627,383	2,241,351	
1223	330		111 14 00 (51°27')		-6.0	87 11	+16.2		2120.0		-305	+127	627,078	2,241,478	
1224	660		109 25 30 (55°39')		-6.0	87 24 30	+29.8		2133.6		-601	+272	626,782	2,241,623	
1225	485	990	108 18 35		-5.0	87 52	+36.8		2141.8	TP	-893	+425	626,488	2,241,777	check level
1225	940	990	(154°32'02")		-5.0	212 09	+37.2	+32.0		TP					
RESHOT BY B.G.C. 9-29-82															
USING RED TAPE DISTANCE METER 9-29-82															
1226	0		00°00'00"		+5.0		+5.0	2146.8		X	0	0	626,488	2,241,777	
1226	330		194 34 45 (169°07')		-6.0	89 26	+3.3		2144.1		-324	+62	626,164	2,241,839	
1227	660		195 20 35 (169°53')		-6.0	89 35 20	+4.7		2145.5		-650	+116	625,838	2,241,893	
1228	990		195 30 40 (170°03')		-6.0	89 38 35	+6.2		2147.0		-975	+171	625,513	2,241,948	
TP A	612	1231	195 55 20		-5.0	89 38 20	+7.8	+2.8		TP	-1214	+204	625,272	2,241,982	
TP A	1224	1231	(170°27'22")		-5.0	210 22 20	+8.0	+3.0	+2.9	TP					
RESHOT 9-29-82 E.D.M.															
1225	0		00°00'00"		+5.0		+5.0	2154.7		X	0	0	625,272	2,241,982	
1229	134		247 00 15 (237 21)		-5.0	88 14 40	+4.1	0.9	2153.8		-72	-113	625,200	2,241,869	
TP 1230	475		238 30 55		-2.0	86 58 40	+25.0	+23.0	2177.7	TP	-311	-358	624,959	2,241,625	STA off 30'
TP 1230	475		(228°58'17")		-2.0	275 01 20	+25.0	+23.0		TP					ACK Rd.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
9-13-82		D. Shabeldeen		D. Hamilton		6834		DS Sm		Car-7	228						
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
N. Cal. - Sierra		Challenge: 7 1/2		CA	Yuba					L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH +	EAST +	COORDINATES		REMARKS	
												SOUTH -	WEST -	Y	X		
												LAT.	DEP.				
1230			00° 00' 00"														
1231	0		235° 30' 20" <sup>RES NOT BY B.G.C.</sup>		+5.0			+5.0	2182.7		TP	0	0	624,959	2,241,625		
1231	11'	342-345	275° 27' 25" <sup>RES NOT BY B.G.C.</sup>		-1.0	87° 02'	+17.9	+16.9		2199.6	TP	+86	-334	625,043	2,241,291		
1231	842-345		(284° 28' 37" <sup>9-19-82</sup> )		1.0	87° 58'	+17.9	+16.9			TP						
RES NOT BY B.G.C. 9-29-82 - E.D.M.																	
1230			00° 00' 00"														
1231	0				+5.0			+5.0	2204.6		TP	0	0	625,043	2,241,291		
1232	330		211° 38' 40" (316° 08')		-5.0	86° 06' 20"	+22.4	+17.4		2222.0		+238	-229	625,281	2,241,062		
1233	660		211° 00' 20" (315° 29')		-6.0	86° 00' 40"	+45.8	+39.8		2244.4		+471	-463	625,514	2,240,828		
1234	990		211° 04' 40" (315° 39')		-6.0	86° 00' 30"	+68.8	+62.8		2267.4		+707	-693	625,750	2,240,598		
1235	820	1320	211° 09' 30" (315° 39')		-6.0	86° 00' 20"	+91.7	+85.7		2290.3		+944	-923	625,987	2,240,368		
1236	820	1640	209° 50' 00" <sup>RES NOT BY B.G.C.</sup>		-6.0	85° 58' 20"	+115.5	+109.5		2314.3	TP	+1146	-1173	626,187	2,240,118		
1236	1640	1644	(314° 19' 27" <sup>9-19-82</sup> )		-6.0	87° 02' 25"	+115.9	+109.9	+109.73		TP						
RES NOT BY B.G.C. 9-29-82 - E.D.M.																	
1231			00° 00' 00"														
1236	0				+5.0			+5.0	2319.3		TP	0	0	626,187	2,240,118		
1237	326		125° 23' 40" (259° 43')		-6.0	85° 58' 20"	+22.8	+16.8		2336.1		-58	-321	626,129	2,239,797		
1238	600		115° 58' 00" (250° 18')		-6.0	85° 39' 40"	+45.3	+39.3		2358.6		-202	-565	625,985	2,239,553		
1239	419	838	97° 32' 20"		-5.0	85° 29' 40"	+65.7	+60.7		2380.0	TP	-515	-656	625,670	2,239,462		
1239	838	831	(231° 51' 47" <sup>9-19-82</sup> )		-5.0	87° 40' 40"	+65.8	+60.8			TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 9-13-82	INSTRUMENT MAN D. Shaldeen	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY DS Jm	LINE NO. C-7	PAGE 229
AREA N. Cal - Sierra	TOPO MAP Challeng 7 1/2	STATE CA.	COUNTY Yuba	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.	
									2380.0					
1236			00° 00' 00"											
1239	0				+5.0			+5.0	2385.0		X	0	0	625,670 2,239,462
1240	330		139° 12' 00" (191° 04')	9.0	86 30	+20.1	+11.1		2396.1			-324	-63	625,346 2,239,399
1241	379	663	139° 08' 41" (RESHOT BY B.G.C. 9-19-82)	9.0	87 28	+29.3	+24.3		2409.3		TP	-650	-126	625,018 2,239,336
"	"	663	(191° 00' 28") (RESHOT BY B.G.C. WITH E.A.M. 9-29-82)	9.0	272 32 20	+29.4	+24.4				TP			
1239			00° 00' 00"											
1240	0				+5.0			+5.0	2414.3		X	0	0	625,018 2,239,336 Set-up across Rd.
1242	330		207° 10' 00" (218° 10')	-6.0	88 79	+9.7	+3.7		2418.0			-259	-204	624,759 2,239,132
1243	660		207° 29' 00" (218° 30')	-6.0	88 21	+19.0	+3.0		2427.3			-517	-411	624,501 2,238,925
1244	990		206° 06' 20" (217° 06')	-6.0	88 17 20	+29.6	+23.6		2437.9			-790	-597	624,228 2,238,739
1245	600	1323	205° 55' 00" (RESHOT BY B.G.C. E.O.A. 9-29-82)	-5.0	88 16 10	+40.0	+35.0				TP	-1057	-794	623,959 2,238,542
1245	1320	1323	(216° 55' 28")	-5.0	271 43 20	+39.8	+34.8		2449.1		TP			
1241			00° 00' 00"											
1245	0				+5.1			+5.1	2454.2		X	0	0	623,959 2,238,542
1246	330		208° 16' 50" (245° 13')	-6.0	88 21 40	+9.4	+3.4		2457.6			-138	-300	623,821 2,238,242
TP 3	480	481	209° 01' 01" (RESHOT BY B.G.C. 9-19-82)	-2.0	88 46 20	+10.3	+8.3		2462.5		TP	-196	-439	623,761 2,238,103
TP 8	480	481	(245° 56' 29")	-2.0	271 14 40	+10.5	+8.5				TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
9-13-82		D. Shabeldean		D. Hamilton		6834		DS Jm			CAC-7		230		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. CAL. - Sierra		Challenge - 7 1/2		CA.		Yuba								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
										2462.5					
1245			00° 00' 00"												
TP <sub>a</sub>	0				+5.0			+5.0	2467.5		X	0	0	623,761	2,238,103
1247	210		229 57 20 (295° 53')	-5.0	88 40	+4.9	-0.1		2467.4			+92	-189	623,853	2,237,914
1248	540		230 55 00 (296° 51')	-6.0	88 09	+17.4	+11.4		2479.9			+244	-482	624,005	2,237,621 <del>End of Detour</del>
1249	870		231 57 20 (297° 53')	-7.0	88 05 40	+28.9	+21.9		2489.4			+407	-769	624,168	2,237,334 <del>Guard rails</del>
TP <sub>b</sub>	1041	RESHOT BY B.G.C. - 9-29-82	229 11 50 (297° 50')	-5.0	88 14 20	+32.0	+27.0		2494.5		TP	+442	-942	624,201	2,237,161 <del>Gate.</del>
TP <sub>c</sub>	1041	RESHOT BY B.G.C. - 9-19-82	(295° 08' 19")	-5.0	271 46 00	+32.1	+27.1				TP				
TP <sub>d</sub>			00° 00' 00"												
TP <sub>e</sub>	0				+5.0			+5.0	2599.5		X	0	0	624,201	2,237,161
1250	749		150 36 00 (265° 44')	-4.0	88 42 40	+3.4	-0.6		2498.9			-11	-149	624,190	2,237,012 <del>End of Detour</del>
1251	460		133 05 00 (248° 13')	-11.0	87 34 20	+19.5	+8.5		2508.0			-171	-427	624,030	2,236,734
TP <sub>f</sub>	269	538 536	128 52 00	-2.0	88 39	+12.6	+10.6		2510.1		TP	-235	-482	623,964	2,236,679
TP <sub>g</sub>	538 536		(244° 00' 19")	-2.0	271 21 40	+12.7	+10.7				TP				
TP <sub>h</sub>			00° 00' 00"												
TP <sub>i</sub>	0				+5.0			+5.1	2515.2		X	0	0	623,964	2,236,679
1252	241		152 57 45 (216° 58')	-5.0	89 52 30	+0.5	-4.5		2510.7			-193	-145	623,771	2,236,534
1253	571		147 39 15 (211° 39')	-10.0	89 27	+5.5	-4.5		2510.7			-486	-300	623,478	2,236,379
1254	901		146 25 00 (210° 25')	-10.0	89 08	+13.6	+3.6		2518.8			-777	-456	623,187	2,236,223

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-13-82		D. Shabelden		D. Namilton		6834		DS Ln		Ch-7		231			
AREA		TOPO/MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
N. Cal - Sierra		Challenge: 1/2		CAL.		Yuba								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
									2515.2						
1255	1231		145° 41' 20" (209° 41')		-10.0	88 38	+29.4	+19.4		2534.6		-1069	-610	622,895	2,236,069
TPe															
1256	<del>1440</del> 1348		145° 07' 40"		-5.0	88 49 20	+27.7	+22.7		2537.9	TP	-1177	-656	622,785	2,236,023
TPe	<del>1440</del> 1348		(209° 07' 59")		-5.0	271 12	+28.3	+23.3			TP				
															SUNSHOT TAKEN AT THIS TP. mean GRID AZIMUTH 29° 05' 41"
															12' 18"
TPe			00° 33' 33"												
TPe	0				+5.1			+5.1	2543.0		X	0	0	622,785	2,236,023
1256	210		162° 42' 10" (191° 48')		-5.0	89 37 46	+1.4	3.6		2539.4		-206	-43	622,579	2,235,980
1257	540		155° 26' (184° 32')		-6.0	89 21	+6.1	+0.1		2543.1		-538	-43	622,247	2,235,980
1258	429		152° 41' 30" RESHOT		-8.0	88 28	+24.4	+16.4		2559.4	TP	-865	-27	621,918	2,235,996
1258	858	866	(181° 47' 11")		-8.0	271 37	+24.4	+16.4			TP				
															RESHOT BY B.G.C. 9-16-82
TPe			00° 00' 00"												
1258	0				+4.7			+4.7	2564.1		X	0	0	621,918	2,235,996
1259	330		173° 31' 00" (175° 18')		-6.0	86 46	+19.2	+13.2		2577.3		-329	+27	621,589	2,235,023
1260	330		174° 38' 00"		-10.0	87 16 46	+31.9	+21.9		2586.0	TP	-669	+42	621,247	2,236,038
1260	664	671	(176° 25' 11")		-10.0	272 40	+32.0	+22.0			TP				
															RESHOT WITH E.D.M. BY B.G.C. 9-29-82
1258			00° 00' 00"												
1260	0				+5.1			+5.1	2591.1		X	0	0	621,247	2,236,038
1261	330		179° 53' 30" (176° 19')		-6.0	89 24 49	+1.1	4.9		2586.2		-329	+21	620,918	2,236,059

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
9-13-82		D. Shabeldean		D. Hamilton		6834		DS Don		CAL-7		232		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
N. Cal. - Sierra		Challenge-7 1/2		CA.		Yuba						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.	
									2591.1					
TP <sub>F</sub>	560 564		182 10 40		-5.0	89 51	+1.5	-3.5		2587.6	TP	-564	+14	620,681 2,236,052
TP <sub>F</sub>	560 564		(178° 35' 51")		-5.0	210 09 30	+1.6	-3.4			TP			
1260			00 00 00"											
TP <sub>F</sub>	0				+5.0			+5.0	2592.6		X	0	0	620,681 2,236,052
1262	92		210 59 40 (209° 36')		-7.0	90 00		-7.0		2585.6		-80	-45	620,601 2,236,007
1263	422		199 52 40 (198° 29')		-10.0	90 10 40	-1.3	-1.3		2581.3		-400	-134	620,281 2,235,918
1264	752		199 04 20 (197° 40')		-10.0	90 29	-6.3	-6.3		2576.3		-717	-228	619,964 2,235,824
1265	1082		198 45 30 (197° 22')		-10.0	90 17	-5.4	-5.4		2577.2		-1033	-323	619,648 2,235,729
1266	1412		198 33 00 (197° 09')		-10.0	89 56 40	+1.4	-8.6		2584.0		-1349	-416	619,332 2,235,636
1267	1742		198 28 00 (197° 04')		-10.0	89 57 40	+11.3	+1.3		2593.9		-1665	-511	619,016 2,235,541
TP <sub>F</sub>	1015	2030 2051	199 04 25		-12.0	89 22 25	+22.4	+10.4		2603.0	TP	-1954	-623	618,725 2,235,429
TP <sub>G</sub>	2030 2051		(197° 40' 16")		-12.0	270 38	+22.8	+10.8			TP			
TP <sub>F</sub>			00 00 00"											
TP <sub>G</sub>	0				+5.1			+5.1	2608.1		X	0	0	618,725 2,235,429
1268	41		247 50 40 (265° 31')		-7.0	90 01	-0.0	-7.0		2601.1		-3	-41	618,722 2,235,388
1269	360		210 24 10 (228° 04')		-6.0	89 15	-4.7	-1.3		2606.8		-241	-268	618,484 2,235,161
1270	690		211 10 20 (228° 50')		-6.0	89 03	+11.4	+5.4		2613.5		-454	-519	618,271 2,234,910

RESHOT BY B.C.F. 9-29-82

RESHOT E.O.M. BY B.C.F. 9-29-82

SURVEY NOTES-HIGH RESOLUTION DATA  
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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
9-13-82		D. Shabelbean		D. Hamilton		6884		DS Jm		Chal-7	233					
AREA		TOP MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
N. Cal. - Sierra		Challenge: 7 1/2		CA.		Yuba					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
TPH 892			212 01 00		-5.0	89 08 40	+13.3	+8.3	2608.1	2616.4	TP	-577	-680	618,146	2,234,749	TP acc Rd
TPH 892			(229° 41' 16")		-5.0	89 08 40	+13.4	+8.4			TP	-2				
TPG			00° 00' 00"													
TPH 0					+5.1	90 52		+5.1	2621.5		TP	0	0	618,146	2,234,749	TP acc Rd
1271	135		208 42 40 (258 24)		-6.0	90 52	2.0	8.0		2613.5		-27	-132	618,119	2,234,617	
1272	468		209 30 40		-6.0	91 06	-9.0	-15.0		2606.5	TP	-88	-460	618,056	2,234,289	
1272	468		(259 11' 56")		-6.0	268 54 20	-8.9	-14.9			TP					
TPH			00° 00' 00"													
1272	0				+5.0	92 40		+5.0	2611.5		TP	0	0	618,056	2,234,289	
1273	330		209 38 40 (288 51)		-6.0	92 40	15.3	21.3		2590.2		+107	-312	618,163	2,233,977	
TPH	613		213 51 59 RESHOT		-8.0	92 23	-25.8	-33.8		2577.7	TP	+240	-564	618,294	2,233,725	TP acc Rd
TPH	613		(293° 03' 55")	9-19-82	-8.0	267 37 40	-25.7	-33.7			TP	-2				
1272			00° 00' 00"													
TPH	0				+5.0			+5.0	2582.7		TP	0	0	618,294	2,233,725	
1274	67		233 21 40 (346 32)		-9.0	91 22	1.6	10.6		2572.1		+65	-16	618,359	2,233,709	
1275 TP	399		214 01 00		-5.0	93 52 40	-26.9	-31.9		2550.8	TP	+334	-216	618,626	2,233,509	ACROSS STA.
1275 TP	399		(321° 04' 55")		-5.0	266 07 40	-26.9	-31.9			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-14-82		B. Cotcamp		D. Hamilton		6834		DS Zm		C.A.-7		234			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		FRENCH CORRAL-7 1/2		CALIF.		YUBA								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
TPz			0° 00' 00"							2550.8					
1275 TPz	0			+ 5.15	Hi		+5.1	2555.9			T	0	0	618,626	2,233,509 ACROSS STATION
1276	334		205° 35' (352° 40')		9.3	94°	23.2	32.5		2523.4		+331	-43	618,957	2,233,466
1277	664		206° 47' (353° 52')		4.3	94° 20'	50.0	54.3		2501.6		+660	-71	619,286	2,233,438
1278	994		" " (353° 52')		6.2	94°	69.2	75.4		2480.5		+988	-106	619,614	2,233,403
TPk	1261	1257.9	203° 28' 28"		4.9	94°	87.8	92.7		2463.2	TP	+1241	-206	619,865	2,233,303
TPk	1261		(350° 33' 23")		4.8	266°	87.8	92.6			TP	-2			
1275 TPz			0° 00' 00"												
TPk	0			+ 5.05	Hi		+5.0	2468.2			T	0	0	619,865	2,233,303
1279	56		151° 30' (322° 02')		8.3	-		-8.3		2459.9		+44	-34	619,909	2,233,269
1280	380		134° 54' (305° 27')		5.6	93° 30'	23.2	28.8		2439.4		+220	-310	620,085	2,232,993
TPk	431	429.95	129° 00' 01"		4.3	94°	30.0	34.3		2433.9	TP	+212	-374	620,075	2,232,929
TPk	431		(299° 33' 24")		4.2	266°	30.0	34.2			TP	-2			
TPk			0° 00' 00"												
TPk	0			+ 5.35	Hi		+5.3	2439.2			T	0	0	620,075	2,232,929
1281	260		161° 50' (281° 23')		8.0	93°	13.6	21.6		2417.6		+51	-255	620,126	2,232,674
1282	588		157° 42' (271° 15')		9.9	93° 30'	35.8	45.7		2393.5		+74	-583	620,149	2,232,346

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
9-14-82		B. Cotcamp		D. Hamilton		6834		DS Jr		C.A.-7		235				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
NO. CALIF.-SIERRA		FRENCH CORRAL-7 1/2		CALIF.		Juba								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
TPm	841	839.4	158° 24' 40"		11.0	93° 30'	51.2	62.2			TP	+116	-831	620,189	2,232,098	
TPm	841		(277° 58' 04")		11.1	266° 30'	51.2	62.3		2376.9	TP	-2				
TPc			0° 00' 00"													
TPn	0				+ 5.05	Hi		5.0	2381.9		TP	0	0	620,189	2,232,098	ACROSS ROAD
1283	88		221° 10' (319° 08')		7.5	94° -	6.1	13.6		2368.3		+67	-58	620,256	2,232,040	
1284	418		216° 18' (314° 16')		8.8	94° 40'	33.9	42.7		2339.2		+292	-299	620,481	2,231,799	
1285	746		213° 30' (311° 28')		7.9	95° -	64.8	72.7		2309.2		+494	-559	620,683	2,231,539	
TPn	788	785.0	213° 04' 01"		7.9	95° -	68.4	76.3		2305.6	TP	+515	-592	620,702	2,231,506	
TPn	788		(311° 02' 05")		7.8	265° -	68.4	76.2			TP	-2				
TPm			0° 00' 00"													
TPn	0				+ 5.1	Hi		5.1	2310.7		TP	0	0	620,702	2,231,506	
1286	283		146° 02' (277° 04')		6.0	94° -	19.7	25.7		2285.0		+35	-281	620,737	2,231,225	
TPo	470	468.6	137° 32' 59"		3.7	94° 30'	36.8	40.5		2270.2	TP	-12	-468	620,688	2,231,038	
TPo	470		(268° 35' 04")		3.6	265° 30'	36.8	40.4			TP	-2				
TPn			0° 00' 00"													
TPo	0				+ 5.2	Hi		5.2	2275.4		TP	0	0	620,688	2,231,038	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-14-82		B. Cotcamp		D. Hamilton		6834		DS for		C.A.-7		336			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		FRENCH CORRAL-7 1/2		CALIF.		YUBA								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
									2275.4						
1287	136		162° 03' (250° 58')		5.2	94° -	-9.5	14.7		2260.7		-45	-128	620,643	2,230,910
1288	466		" " (" " )		7.9	94° -	-32.4	40.3		2235.1		-155	-440	620,533	2,230,598
1289	796		" " (" " )		7.8	94° 30'	-62.3	70.1		2205.3		-264	-751	620,424	2,230,287
1290	1124	1120.5	161° 59' 38"		11.0	94° 36'	-87.9	98.9		2176.5	TP	-373	-1057	620,313	2,229,981
1290	1124		(250° 34' 42")		10.9	265° 30'	-87.9	98.8			TP				
TPo			0° 00' 00"												
1290	0				+ 5.1	Hi.		+5.1	2181.6		TP	0	0	620,313	2,229,981
1291	27		272° 57' 18" (343° 20')		4.9	-		-4.9		2176.7		-	-		
1291	330		211° 00' (281° 35')		7.8	93° -	-17.2	25.0		2156.6		+66	-323	620,379	2,229,658
TPp	587		212° 41' 55"		6.6	93° -	-30.7	37.3		2144.3	TP	+135	-571	620,446	2,229,410
TPp	587		(283° 16' 37")		6.7	267° -	-30.7	37.4			TP				ROAD
1290			0° 00' 00"												
TPp	0				+ 5.05	Hi.		+5.0	2149.3		TP	0	0	620,446	2,229,410
1292	91		214° 39' (317° 56')		8.2	93° -	-4.8	13.0		2136.3		+68	-61	620,514	2,229,349
1293	416		202° 40' (305° 57')		9.4	94° 30'	-32.5	41.9		2107.4		+244	-337	620,690	2,229,073
1294	746		201° 32' (304° 49')		6.8	95° -	-67.8	71.6		2077.7		+426	-612	620,872	2,228,798
TPa	948	944.4	202° 31' 43"		7.9	95° -	-82.3	90.2		2059.1	TP	+553	-766	620,997	2,228,644
TPo	948		(305° 48' 20")		7.8	265° -	-82.3	90.1			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-14-82		B. Cotcamp		D. Hamilton		6834		DS m		C.A.-7		237			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		FRENCH CORRAL-7 1/2		CALIF.		YUBA								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
TPp			0° 00' 00"							2059.1					
TPa	0				+ 5.25	Mi		+ 5.2 } 2064.3			TP	0	0	620,997	2,228,644
1295	132		191° 58' (317° 46')		5.9	95°	11.5	17.4		2046.9		+98	-89	621,095	2,228,555
1296	462		195° 43' (321° 31')		6.5	95°	40.1	46.6		2017.7		+362	-288	621,359	2,228,356
1297	792		196° 14' (322° 02')		7.0	95°	68.8	75.8		1988.5		+624	-487	621,621	2,228,157
1298	1122		" " (" " )		5.4	95°	97.4	102.8		1961.5		+885	-690	621,885	2,227,954
1299	1450		195° 33' (321° 21')		7.2	94° 50'	121.7	128.9		1935.4		+1132	-906	622,129	2,227,738
TPR	1503	1497.3	195° 25' 39"		2.1	95°	130.5	132.6 } 1931.7			TP	+1167	-938	622,162	2,227,706
TPR	1503		(321° 13' 59")		2.0	265°	130.5	132.5 }			TP				
TPa			0° 00' 00"												
TPR	0				+ 5.25	Mi		+ 5.2 } 1936.9			TP	0	0	622,162	2,227,706
1300	282		142° 58' (284° 12')		7.8	94°	19.6	27.4		1909.5		+69	-273	622,231	2,227,433
1301	610		137° 45' (278° 59')		6.1	94° 30'	47.7	53.8		1883.1		+95	-603	622,257	2,227,103
IF	850		135° 33' 57" (276° 47' 54")		4.4	94° 30'	66.5	67.9		1869.0	IF	-	-		
1302	940		136° 02' (277° 15' 59")		6.5	94°	65.4	71.9		1865.0		+119	-932	622,281	2,226,774
1303	1269		135° 16' (276° 30')		5.6	93° 20'	73.7	79.3		1857.6		+144	-1261	622,306	2,226,445
1304	1596		135° 29' (276° 43')		6.2	93°	83.4	89.6		1847.3		+187	-1585	622,349	2,226,121
TPs	1651	1648.7	134° 57' 20"		4.0	93°	86.3	90.3 } 1846.6			TP	+178	-1639	622,338	2,226,067 ACROSS
TPs	1651		(276° 11' 19")		3.7	267°	86.3	90.0 }			TP	-2			ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

GEQ-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-14-82		B. Cotcamp		D. Hamilton		6834		DS Jm		C.A.-7		238			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF.-SIERRA		FRENCH CORRAL-7 1/2		CALIF.		YUBA								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
			0° 00' 00"						1846.6						
TP <sub>R</sub>															
TP <sub>S</sub>	0				+ 5.05 Hi			+5.0	1851.6		TP	0	0	622,338	2,226,067
1305	296		213° 30' (309° 41')		6.8	94° -	20.2	27.0	1824.6			+185	-223	622,523	2,225,844
1306	620		212° 40' (308° 51')		11.3	94° -	43.1	54.4	1797.2			+389	-483	622,727	2,225,584
TP <sub>T</sub>	801	799.1	209° 59' 55"		10.9	94° -	55.7	66.6	1785.0		TP	+472	-645	622,808	2,225,422
TP <sub>T</sub>	801		(306° 11' 14")		10.7	266° -	55.7	66.4			TP				
			0° 00' 00"												
TP <sub>S</sub>															
TP <sub>T</sub>	0				+ 5.1 Hi			+5.1	1790.1		TP	0	0	622,808	2,225,422
1307	144		158° 23' (284° 34')		8.8	92° -	5.0	13.8	1776.3			+36	-139	622,844	2,225,283
TF	460		156° 32' 50" (282° 44' 04")		5.4	92° 30'	20.0	25.4	1764.7		TF	-	-		TF INTERSECT.
1308	464		152° 19' (278° 30')		6.1	92° 30'	20.2	26.3	1763.8			+69	-459	622,877	2,224,963
TP <sub>u</sub>	448		144° 00' 45"		6.3	93° -	23.4	29.7	1760.4		TP	+2	-447	622,808	2,224,975
TP <sub>u</sub>	448		(270° 11' 59")		6.4	267° -	23.4	29.8			TP				Through 90° CORNER
			0° 00' 00"												
TP <sub>T</sub>															
TP <sub>u</sub>	0				+ 5.2 Hi			+5.2	1765.6		TP	0	0	622,808	2,224,975
1309	269		108° 02' (198° 14')		10.9	91° -	4.7	15.6	1750.0			-255	-84	622,553	2,224,891
1310	600		104° 46' (194° 58')		1.8	92° -	20.9	22.7	1742.9			-580	-155	622,228	2,224,820

SURVEY NOTES-HIGH RESOLUTION DATA

G.F.O-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE					
9-14-82		B. Cotcamp		D. Hamilton		6834		DS for		C.A.-7		239					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER			
NO. CALIF. - SIERRA		FRENCH CORRAL-7 1/2		CALIF.		YUBA								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 - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS	
														Y	X		
									1765.6								
TPv	701		104° 39' 53"		3.4	91° 30'	78.3	21.77		1743.9	TP	-677.2	-180	622,129	2,224,795		
TPv	701		(194° 51' 52")		3.5	268° 30'	78.3	21.8			TP						
TPu			0° 00' 00"														
TPu	0				+ 5.05	Mi		+5.03	1748.9		T	0	0	622,129	2,224,795		
1311	243		223° 31' (238° 23')		5.2	93° 30'	74.8	20.0		1728.9		-127	-207	622,002	2,224,588		
TPw	370		226° 32' 22"		6.2	93° -	79.3	25.5		1723.4	TP	-177	-324	621,950	2,224,471		
TPw	370		(241° 24' 14")		6.3	267° -	79.3	25.6			TP						
TPu			0° 00' 00"														
TPu	0				+ 5.25	Mi		+5.2	1728.6		T	0	0	621,950	2,224,471		4 = 621,965 x = 2,224,385
Bm	88		219° 43' 02"		6.8	-		-6.8		1721.8	Bm	+17.2	-86	621,965	2,224,385		rows 4, 5, 6, 5
Bm	88		(281° 07' 16")		6.8	270° -		6.8			Bm						+1.8' MISTIE CORR. X = +6'
TPw			0° 00' 00"							1720.0	R1	u.s.g.s	B.m.	EL. 1720.0			
Bm	0				+ 4.75	Mi		+4.73	1724.7		T	0	0	621,965	2,224,385		
1312	116		169° 19' (270° 26')		5.1	93° -	76.1	11.2		1713.5		+1	-116	621,966	2,224,269		
1313	442		165° 28' (266° 35')		5.8	92° -	75.4	21.2		1703.5		-26	-441	621,939	2,223,944		
TPu	681		154° 23' 01"		10.7	91° -	71.9	22.62		1702.1	TP	-170	-659	621,795	2,223,726		
TPu	681		(255° 30' 17")		10.6	269° -	71.9	22.5			TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-15-82		B. Cotcamp		D. Hamilton		6834		D.H. J.M.		C.A.-7		240			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF. - SIERRA		FRENCH CORRAL-7 1/2		CALIF.		YUBA								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
Bm			0° 00' 00"							1702.1					
TPA	0				+ 4.95 Hi			+4.93	1707.0		X	0	0	621,795	2,223,726
1314	62		127° 14' (202° 44')		3.4	89° -	+1.1	2.3		1704.7		-57	-24	621,737	2,223,702
1315	390		120° 26' (195° 56')		7.9	87° -	+20.4	+12.5		1719.5		-375	-107	621,420	2,223,619
TPB	440		119° 39' 10"		7.7	87° 30'	+19.2	+11.5		1718.5	TP	-424	-115	621,372	2,223,612
TPa	440		(195° 09' 27")		7.6	272° 30'	+19.2	+11.6			TP	+1	+1		
TPA			0° 00' 00"												
TPB	0				+ 4.95 Hi			+4.93	1723.4		X	0	0	621,372	2,223,612
1316	288		209° 35' 01"		2.1	-		-2.1		1721.3	TP	205	203	621,167	2,223,410
1316	288		(224° 44' 28")		2.0	270° -		2.0			TP				
TPB			0° 00' 00"												
1316	0				+ 5.25 Hi			+5.23	1726.5		X	0	0	621,167	2,223,410
1317	330		197° 34' (242° 18')		6.4	89° -	+5.8	0.6		1725.9		-153	-292	621,014	2,223,118
1318	660		199° 02' (243° 46')		4.9	88° -	+23.0	+18.1		1744.6		-292	-592	620,876	2,222,819
TPc	822 922		196° 49' 02"		4.6	87° 50'	+34.9	+30.3		1756.8	TP	-439	810	620,729	2,222,601
TPc	822 922		(241° 33' 30")		4.5	272° 10'	+34.9	+30.4			TP	+1	+1		

RESOLVED BY B.G. 9-22-82

ACROSS ROAD

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
9-15-82		B. Cotcamp		D. Hamilton		6834		D.H. Jm		C.A.-7	241			
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF. - SIERRA		FRENCH CORRAL-7 1/2	CALIF.	YUBA					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.	
1316			0° 00' 00"							1756.8				
TPc	0			+ 5.05	M.		+5.03		1761.8		X	0	0	620,729 2222,601
1319 1/2	65		167° 03' (228° 37')		2.9	-	-2.9		1758.9			-43	-49	620,686 2222,552
1320	395		164° 52' (226° 26')		3.8	89° 20'	+4.6	+0.8	1762.6			-272	-286	620,457 2222,315
1321	725		164° 15' (225° 49')		17.6	89° 30'	+6.3	-11.3	1750.5			-505	-520	620,224 2222,081
1322	1055		" " (" ")		7.9	89° 30'	+9.2	+1.3	1763.1			-735	-757	619,994 2221,845
1323	1385		" " (225° 49')		6.6	89° -	+24.2	+17.6	1779.4			-965	-993	619,764 2221,608
1324	1715		163° 30' 00"		6.7	88° 30'	+45.0	+38.3	1800.1		TP	-1211	-1214	619,518 2221,388
1324	1715		(225° 03' 30")		6.5	271° 30'	+45.0	+38.5			TP			
TPc			0° 00' 00"											
1324	0			+ 5.2	M.		+5.2		1805.3		X	0	0	619,518 2221,388
1325	331		192° 07' (237° 11')		5.2	93° 30'	20.2	25.4	1779.9			-179	-278	619,339 2221,110
1326	660		191° 42' (236° 46')		11.2	93° 30'	40.3	51.5	1753.8			-361	-551	619,157 2220,837
1327	990		" " (" ")		4.6	93° 20'	57.5	62.1	1743.2			-542	-827	618,977 2220,561
1328	1320		191° 36' (236° 40')		6.2	92° 20'	53.7	59.9	1745.4			-725	-1102	618,794 2,220,286
1329	1656		191° 33' (236° 37')		11.1	91° 30'	43.1	54.2	1751.1			-908	-1377	618,611 2220,010
1330	1980		191° 29' (236° 33')		7.9	90° 40'	23.0	30.9	1774.4			-1091	-1652	618,427 2219,736
1331	2310		" " (" ")		10.1	90° 30'	20.0	30.1	1775.2			-1273	-1927	618,245 2219,460
1332	2640		" " (" ")		5.0	90° 30'	22.9	27.9	1777.4			-1455	-2263	618,063 2219,185

across ROAD

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
9-15-82		B. Cotcamp		D. Hamilton		6834		DH. Jm		C.A.-7	242					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
NO. CALIF. - SIERRA		FRENCH CORRAL-7 1/2		CALIF.		YUBA					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	X
									1805.3							
1333	2970		191° 29' (236° 33')		6.8	-		-6.8		1798.5		-1637	-2478	617,881	22189,10	
1334	3300		" " (" " )		7.9	-		-7.9		1797.4		-1819	-2753	617,699	2218,634	
1335	3627		191° 25' 00" (236° 29')		4.5	-		-4.5		1800.8		-2003	-3024	617,516	2218364	E.O.L. E.O.M.
1335	3627		B.G.C.		4.2	270°		-4.2								LINE C.A.-7
TP <sub>D</sub>	1733		0° 02' 22"		3.6	91° 30'	-45.3	-48.9		1756.4	TP	+1223	+1227	620,741	2222,615	TRAVERSE BACK
TP <sub>D</sub>	1733		(45° 05' 52")		3.4	268° 30'	-45.3	-48.7			TP					TO BM
1324			0° 00' 00"													
TP <sub>D</sub>	0				+5.2	Hi		+5.2	1761.6		TP	0	0	620,741	2222,615	TRAVERSE
TP <sub>E</sub>	1001		196° 35' 57"		7.8	92°	-34.9	-42.7		1718.9	TP	+474	+881	621,216	2223,496	BACK TO
TP <sub>E</sub>	1001		(61° 41' 49")		4.8	92° 10'	-37.8	-42.6			TP					Bm
																" "
TP <sub>D</sub>			0° 00' 00"													" "
TP <sub>E</sub>	0				+5.25	Hi		+5.2	1724.1		TP	0	0	621,216	2223,496	
TP <sub>F</sub>	329		146° 10' 18"		6.1	-		-6.1			TP	+291	+154	621,506	2223,649	" "
TP <sub>F</sub>	329		(27° 52' 07")		7.8	TM	+1.6	-6.2		1717.9	TP					↓
TP <sub>E</sub>			0° 00' 00"													
TP <sub>F</sub>	0				+5.3	Hi		+5.3	1723.2		TP	0	0	621,506	2223,649	

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-15-82		B. Cotcamp		O. Hamilton		6834		B.H. Jm		C.A.-7		243			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
NO. CALIF-SIERRA		FRENCH CERRAL-7 1/2		CALIF.		Yuba								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
									1723.2						
TPb	300		167° 23' 20"		2.6	93° 30'	18.3	20.92		1702.3	TP	+289	+79	621,795	2223728
TPb	300		(15° 15' 27")		3.5	93° 20'	17.4	20.95			TP				
TPf			0° 00' 00"												
TPb	0 g.c.				+ 4.95	H <sub>i</sub>		+4.9	1707.2		T	0	0	621,795	2223728
Bm	879 679		246° 14' 59"		4.8	88° 30'	+17.8	+13.0			Bm	+170	+657	621,965	2224,385
Bm	879 679		(75° 30' 26")		6.8	88° 20'	+19.7	+12.9		1720.1	Bm				

U.S.G.S  
Bm BWS 71 1941  
EL. 1720.0  
y-621,965 Horiz y-2  
x-2224,385 corr. x-3