

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

PAGE 1 OF 53

DATE 12-11-82	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY B.C.	LINE NO. 8	PAGE 1
AREA	TOPO MAP Eagle Mtn. - 15	STATE CALIF.	COUNTY Inyo	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.	
K1	BM - U.S.G.S. 3822		1949 ELEVATION - 2651.0							2651.0	K1			U.S.G.S Bm EL. 2651.0
BS	290		348° 57' 01" - 18°		+ 6.1	89° -	5.1	+ 1.0	2652.6		BS			
BS	290				+ 6.9	88° 50'	5.9	+ 1.0			BS			
T	0				5.2	-		- 5.2		2646.8	T			
1	707		132° 14'		11.1	90° 30'	6.2	- 17.3		2634.7				B.O.L. LINE #
2	1036		132° 38' 24"		11.1	90° 30'	9.0	20.1			TP			
2	1036				11.0	269° 30'	9.0	20.0		2632.0	TP			
	1320		323° 53' 01" - 18°		+ 10.2	89° -	23.0	12.8	2619.1		BS			
	1320				+ 10.0	271° -	23.0	13.0	12.9		BS			
3	990		323° 58'		8.7	89° -	+ 17.3	+ 8.6		2627.7				
4	660		323° 11'		7.1	89° -	+ 11.5	+ 4.4		2623.5				
5	330		" "		6.9	89° -	+ 5.8	1.1		2618.0				
6	0				5.2	-		- 5.2		2613.9	T			
7	330		141° 32'		6.9	90° 30'	2.9	9.8		2609.3				
8	649		132° 41'		9.4	90° 30'	5.7	15.1		2604.0				THROW
9	967		126° 41'		12.3	90° 30'	8.4	20.7		2598.4				
10	1282		121° 35' 17"		9.0	90° 30'	11.2	20.2		2599.0	TP			
10	1282				8.8	269° 30'	11.2	20.0	20.1		TP			
	2965		295° 23' 36" - 18°		+ 14.9	88° 54'	- 56.9	- 42.0	2556.9		BS			
	2965				+ 14.6	271° 06'	- 56.9	- 42.3	42.1		BS			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
12-11-82		B. Cotcamp		D. Hamilton		6834		D.H. AD B.C.		8	2			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
CALIF- DEATH VALLEY		Eagle Mtn. -15'		CALIF.		INYO					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 -	
									2556.9					
11	2639		296° 26'		9.9	89° -	+46.1	+36.2		2593.1				
12	2310		" "		10.1	89° -	+40.3	+30.2		2587.1				
13	1980		" "		9.8	89° -	+34.6	+24.8		2581.7				
14	1650		" "		9.7	89° -	+28.8	+19.1		2576.0				
15	1320		296° 26'		8.7	89° -	+23.0	+14.3		2571.2				
16	990		" "		8.0	89° -	+17.3	+9.3		2566.2				
17	660		" "		7.2	89° -	+11.5	+4.3		2561.2				
18	330		" "		5.9	89° -	+5.8	0.1		2556.8				
19	0				5.2	-		-5.2		2551.7	X			
20	330		115° 42'		8.3	90° 30'	-2.9	-11.2		2545.7				
21	660		" "		8.5	90° 30'	-5.8	-14.3		2542.6				
22	990		" "		10.9	90° 30'	-8.6	-19.5		2537.4				
23	1320		" "		12.4	90° 30'	-11.5	-23.9		2533.0				
24	1650		" "		12.5	90° 30'	-14.4	-26.9		2530.0				
25	1980		115° 51'		12.4	90° 30'	-17.3	-29.7		2527.2				
26	2310		115° 51'		12.3	90° 30'	-20.2	-32.5		2524.4				
27	2640		116° 01'		8.3	90° 36'	-27.6	-35.9		2521.0				
28	2969		116° 13' 35"		12.3	90° 30'	-25.9	-38.2		2518.9	TP			
28	2969				11.9	249° 30'	-25.9	-37.8	-38.0			TP		

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
12-11-82		B. Cotcamp		D. Hamilton		6834		D.H.		8	3					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Eagle Mtn. 15'			CALIF.	Inyo					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	
										2518.9						
BS	1648		303° 28' 11" -180°	+	13.8	89° -	28.8	15.0	2503.8		OS					
BS	1648			+	13.5	271° -	28.8	15.3		-15.1		BS				
29	1318		303° 49'		10.6	89° -	+23.0	+12.4		2516.2						
30	988		304° 11'		8.9	89° -	+17.2	+8.3		2512.1						
Bm	901		303° 14' 29"		8.2	89° -	+15.7	+7.5		2511.3	Bm					
31	658		305° 16'		8.4	89° -	+11.5	+3.1		2506.9						
32	329		308° 18'		5.8	89° -	+5.7	0.1		2503.7						
33	0				5.2	-		-5.2		2498.6	X					
34	326		147° 45'		8.6	90° 30'	2.8	11.4		2492.4						Through a corner
35	654		150° 36'		8.6	91° -	11.4	20.0		2483.8						" "
36	984		149° 02'		10.3	91° -	17.2	27.5		2476.3						" "
37	1314		148° 30'		11.9	91° -	22.9	34.8		2469.0						" "
38	1641		146° 48' 40"		10.6	91° -	28.6	39.2		2464.8	TP					
38	1641				10.3	269° -	28.6	38.9	-39.0		TP					
	1973		295° 22' 30" -180°	+	11.3	88° 50'	40.2	28.9	2435.8		BS					
	1973			+	11.1	271° 10'	40.2	29.1	-29.0		BS					
39	1646		294° 02'		11.2	88° 50'	+33.5	22.3		2458.1						
40	1318		292° 26'		11.2	88° 50'	+26.8	15.6		2451.4						
41	989		292° 38'		8.2	88° 50'	+20.1	11.9		2447.7						
42	660		292° 05'		7.2	88° 50'	+13.4	6.2		2442.0						

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-11-82		B. Cotcamp		D. Hamilton		6834		R.H.		8	4				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
				CALIF.		INYO					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
									2435.8						
43	330		293° 53'		5.9	88° 50'	+6.7	+0.8		2436.6					
44	0				5.2	-		-5.2		2430.6	X				
45	330		114° 42'		7.6	90° 30'	-2.9	-10.5		2425.3					
46	660		115° 44'		9.3	90° 30'	-5.8	-15.1		2420.7					
47	989		147° 11'		11.9	90° 30'	-8.6	-20.5		2415.3					
48	1319		117° 13'		10.1	90° 40'	-15.3	-25.4		2410.4					
49	1648		116° 10'		12.1	90° 40'	-19.2	-31.3		2404.5					
50	1976		114° 55' 35"		14.3	90° 40'	-23.0	-37.3		2398.7	TP				
50	1976				14.0	269° 20'	-23.0	-37.0	-37.1		TP				
	988		280° 31' 24" -180°		+8.9	88° 50'	-20.1	-11.2	2387.5		BS				
	988				+8.8	271° 10'	-20.1	-11.3			BS				
51	658		280° 58'		10.5	88° 40'	+15.3	+4.8		2392.3					
52	329				7.9	88° 40'	+7.7	0.2		2387.3					
53	0				5.4	-		-5.4		2382.1	X				
54	328		109° 59'		7.3	90° 20'	-1.9	-9.2		2378.3					
55	653		109° 25'		9.8	90° 20'	-3.8	-13.6		2373.9					
56	981		107° 17' 42"		9.3	90° 30'	-8.6	-17.9		2369.6	TP				
56	981				9.3	269° 30'	-8.6	-17.9			TP				
	1973		294° 38' 19" -180		+8.6	89° -	-34.4	-25.8	2343.7		BS				
	1973				+8.4	271° -	-34.4	-26.0	-25.9		BS				

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DATE 12-11-82	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY D.H.	LINE NO. 8	PAGE 5
AREA CALIF.	TOPO MAP	STATE CALIF.	COUNTY Inyo	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.	
									2343.7					
57	1645		294° 23'		7.1	89° -	+28.7	+21.6		2365.3				
58	1319		292° 27'		6.9	89° -	+23.0	+16.1		2359.8				
59	989		292° 22'		7.8	89° -	+17.3	+9.5		2353.2				
60	659		293° 08'		6.7	89° -	+11.5	+4.8		2348.5				
61	330		293° 04'		6.6	89° -	+5.8	0.8		2342.9				
62	0				5.2	-		-5.2		2338.5	T			
6Bm	222		106° 48' 24"		5.3	90° 30'	-1.9	-7.2		2336.5	Bm			
63	330		114° 16'		7.9	90° 30'	-2.9	-10.8		2332.9				
64	659		114° 20'		10.1	90° 30'	-5.8	-15.9		2327.8				
65	987		111° 29'		9.1	90° 50'	-14.4	-23.5		2320.2				
66	1315		110° 51'		8.0	90° 50'	-19.1	-27.1		2316.6				
67	1645		111° 03'		9.9	90° 50'	-23.9	-33.8		2303.9				
68	1974		110° 18' 12"		9.3	90° 50'	-28.7	-38.02		2305.9	TP			
68	1974				9.0	269° 10'	-28.7	-37.7	-37.8		TP			
	1637		285° 56' 53" - 180		+14.5	88° 40'	-38.1	-23.6	2282.2		BS			
	1637				+14.2	271° 20'	-38.1	-23.9	2282.2		BS			
69	1311		284° 18'		8.9	88° 50'	+26.7	+17.8		2300.0				
70	987		281° 19'		7.9	88° 50'	+20.1	+12.2		2294.4				
71	660		279° 03'		7.0	88° 50'	+13.4	+6.4		2288.6				
72	330		" "		6.2	88° 50'	+6.7	+0.5		2282.7				

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DATE 12-11-82	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY D.H.	LINE NO. 8	PAGE 6
AREA	TOPO MAP	STATE CALIF.	COUNTY INYO	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.	
									2282.2					
73	0				5.2	-		-5.2		2277.0	TP			
74	330		105° 40'		9.8	-		-9.8		2272.4				
75	658		103° 27'		8.3	90° 40'	-7.7	76.0		2266.2				
76	987		102° 06'		10.2	90° 40'	71.5	21.7		2260.5				
77	1317		102° 12'		8.2	90° 50'	79.1	27.3		2254.9				
78	1637		102° 40' 11"		13.2	90° 40'	-19.1	-32.3			TP			FIRST STA. IN
78	1637				13.1	269° 20'	-19.1	-32.2		2250.0	TP			CROSS COUNTRY
	1977		301° 39' 05" - 180		+ 10.5	89° -	-34.5	-24.0	22259		BS			
	1977				+ 10.3	271° -	-34.5	-24.2	-24.13		BS			
79	1650		301° 24'		9.8	89° -	+28.8	+19.0		2244.9				CROSS COUNTRY TO
80	1320		301° 12'		9.4	89° -	+23.0	+13.6		2239.5				STA. 95 ↓
81	991		300° 21'		10.2	89° -	+17.3	+7.1		2233.0				
82	661		299° 47'		6.5	89° -	+11.5	+5.0		2230.9				
83	332		298° 48'		5.7	89° -	+5.8	+0.1		2226.0				
84	0				5.2	-		-5.2		2220.7	TP			
85	330		111° 14'		6.8	91° -	-5.8	12.6		2213.3				
86	658		109° 27'		6.0	91° -	11.5	17.5		2208.4				
87	985		112° 26'		6.7	91° -	17.2	23.9		2202.0				
88	1313		111° 14'		7.2	91° -	22.9	30.1		2195.8				

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DATE 12-11-82	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY V.H.	LINE NO. 8	PAGE 7
AREA CALIF.	TOPO MAP SHOSHONE-15'	STATE CALIF.	COUNTY INYO	TWP	RANGE	PPM
PARTY MANAGER L.O. Davis						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									2225.9							
89	1631		113° 09'		7.4	91°	-28.5	-35.9		2190.0						
90	1953		115° 00' 35"		12.2	90° 50'	-28.4	-40.6		2185.5	TP					
90	1953				11.9	269° 10'	-28.4	-40.3	-40.4		TP					
	1646		299° 48' 05" - 180	+	11.6	88° 50'	-33.5	-21.9	2163.5		BS					
	1646			+	11.3	271° 10'	-33.5	-22.2	22.0		BS					
91	1316		299° 41'		11.7	88° 50'	+26.8	+15.1		2178.6						
92	990		301° 43'		10.0	88° 50'	+20.2	+10.2		2173.7						
93	660		302° 23'		7.9	88° 50'	+13.4	+5.5		2169.0						
94	330		" "		5.4	88° 50'	+6.7	+1.3		2164.8						
95	0				5.2	-		-5.2		2158.3	X					FIRST STA. BACK ON ROAD
Bm	3047		56° 59' 53"		10.8	90° 30'	-26.6	-37.4		2126.5	TP					Bm EL. 2127.0
Bm	3047				10.1	269° 30'	-26.6	-36.7	-37.0		TP					
	3052		56° 57' 05" + 180	+	13.3	90° 26'	+23.1	+36.4	2163.3		BS					
	3052			+	14.1	269° 34'	+23.1	+37.2	+36.8		BS					
95	0				5.2	-		-5.2		2158.1	X					
96	329		127° 37'		5.7	91°	-5.7	-11.4		2151.9						
97	659		" "		6.4	91°	-11.5	-17.9		2145.4						
98	988		126° 13'		7.2	91°	-17.2	-24.4		2138.9						

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-13-82		B. Cotcamp		D. Hamilton		6834		D.H.		8	8				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIF.		SHOSHONE-15'		CALIF.		TNYO					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
									2163.3						
99	1317		124° 53'		7.7	91°	-23.0	-30.7		2132.6					
100	1647		124° 32'		7.9	91°	-28.7	-36.6		2126.7					
101	1977		124° 28'		7.0	91°	-34.5	-41.5		2121.8					
102	2306		124° 23'		7.8	91°	-40.2	-48.0		2115.3					
103	2636		124° 07' 24"		8.0	91°	-46.0	-54.0		2109.4	TP				
103	2636				7.8	269°	-46.0	-53.8	53.9		TP				
	3298		302° 46' 53" -180		+ 14.0	88° 50'	-67.2	-53.2	2056.2		BS				
	3298				+ 13.9	271° 10'	-67.2	-53.3			BS				
104	2970		302° 37'		5.0	89°	+51.8	+46.8		2103.0					
105	2640		302° 31'		12.0	88° 50'	+53.8	+41.8		2098.0					
106	2310		" "		10.8	88° 50'	+47.0	+36.2		2092.4					
107	1980		" "		9.8	88° 50'	+40.3	+30.5		2086.7					
108	1650		" "		9.0	88° 50'	+33.6	+24.6		2080.8					
109	1320		302° 31'		8.0	88° 50'	+26.9	+18.9		2075.1					
110	990		" "		7.3	88° 50'	+20.2	+12.9		2069.1					
111	660		" "		7.1	88° 50'	+13.4	+6.3		2062.5					
112	330		" "		6.0	88° 50'	+6.7	+0.7		2056.9					
113	0				5.2	-		-5.2		2051.0	TP				
114	330		121° 58'		6.2	91°	+5.8	-0.4		2055.8					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
12-13-82		B. Cotcamp		D. Hamilton		6834		D.H.		8	9						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
		SMOSHONG-15'	CALIF.	Inyo					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	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									2056.2								
115	660		121° 58'		7.0	91° -	-11.5	-18.5		2037.7							
116	990		" "		7.7	91° -	-17.3	-25.0		2031.2							
117	1320		" "		8.0	91° -	-23.0	-31.0		2025.2							
118	1650		" "		8.3	91° -	-28.8	-37.1		2019.1							
119	1980		121° 58'		8.4	91° -	-34.6	-43.0		2013.2							
120	2310		121° 50'		9.0	91° -	-40.3	-49.3		2006.9							
121	2640		121° 45'		10.0	91° -	-46.1	-56.1		2000.1							
122	2969		121° 39'		10.2	91° -	-51.8	-62.0		1994.2							
123	3300		121° 33' 14"		10.0	91° -	-57.6	-67.6		1988.8	TP						
123	3300				9.7	269° -	-57.6	-67.3	-67.4		TP						
	330		299° 42' 54" -180		+ 4.1	89° -	-5.8	-1.7			BS						
	330				+ 3.2	89° 10'	-4.8	-1.6	1987.2		BS						
124	0				5.2	-		-5.2		1982.0	X						
125	330		122° 01'		8.1	90° 40'	-3.8	-11.9		1975.3							
126	660		121° 17' 17"		5.8	91° -	-11.5	-17.3		1969.9	TP						
126	660				3.9	91° 0'	-13.4	-17.3			TP						
	2960		302° 37' 02" -180		+ 6.3	89° -	-51.7	-45.4	1924.4		BS						
	2960				+ 6.0	271° -	-51.7	-45.7	-45.5		BS						
127	2630		302° 35'		6.3	89° -	+45.9	+39.6		1964.0							
128	2301		302° 53'		6.2	89° -	+40.2	+34.0		1958.4							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
12-13-82		B. Cotcramp		D. Hamilton		6834		D.H.		8	10					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
		SHUSHONE-15	CALIF.	TAYO					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	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									1924.4							
129	1972		303° 26'		6.0	89° -	+34.4	+28.4		1952.8						
130	1643		304° 01'		10.3	88° 50'	+33.5	+23.2		1947.6						
131	1314		302° 55'		10.2	88° 50'	+26.8	+16.6		1941.0						
132	985		302° 23'		8.9	88° 50'	+20.1	+11.2		1935.6						
133	658		299° 38'		8.1	88° 50'	+13.4	+5.3		1929.7						
134	329		299° 05'		6.9	88° 50'	+6.7	-0.2		1924.2						
135	0				5.2	-		-5.2		1919.2	X					
136	329		126° 02'		7.1	90° 50'	-4.8	-11.9		1912.5						
136	435		124° 32' 01"		5.8	91° -	-7.6	-13.4		1911.0	W					
137	659		125° 22'		8.9	90° 50'	-9.6	-18.5		1905.9						
137	719		124° 54' 59"		7.1	91° -	-12.5	-19.6		1904.8	W					W 4-ROAD SOUTH EL. 1906.0
138	989		124° 46'		7.1	91° -	-17.3	-24.4		1900.0						
139	1319		123° 57'		5.9	91° -	-23.0	-28.9		1895.5						
140	1647		124° 08'		6.0	91° -	-28.7	-34.7		1889.7						
141	1967		121° 37'		9.2	90° 50'	-28.6	-37.8		1886.6						Around + Through corner
142	2278		118° 45'		11.8	90° 50'	-33.1	-44.9		1879.5						" "
143	2603		117° 16'		10.0	90° 50'	-37.8	-47.8		1876.6						" "
144	2931		117° 51' 47"		10.0	90° 50'	-42.6	-52.6		1872.0	TP					" "
144	2931				9.6	269° 10'	-42.6	-52.2	-52.4		TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
12-13-82		B. Cotcamp		D. Hamilton		6834		A.H.		8	11			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
CALIF.		SHOSHONE-15		CALIF.		Inyo					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.	
										1872.0				
	981		297° 30' 04" -180°		+9.1	88° 40'	-22.8	-13.7	1858.3		BS			
	981				+6.2	88° 50'	-20.0	-13.8			BS			
145	654		294° 39'		8.1	88° 40'	+15.2	+7.1		1865.4				Along + through
146	327		288° 37'		6.3	88° 40'	+7.6	+1.3		1859.6				corners
147	0				5.2	-		-5.2		1853.1	X			" "
148	319		116° 59'		7.2	90° 40'	-3.7	-10.9		1847.4				" "
149	644		124° 08'		9.7	90° 40'	-7.5	-17.2		1841.1				" "
150	966		127° 36'		11.7	90° 40'	-11.2	-22.9		1835.4				" "
TP	1056		125° 53' 31"		3.5	90° 40'	-12.3	-15.8		1842.5	TP			" "
TP	1056				6.6	90° 30'	-9.2	-15.8			TP			
	2461		281° 43' 38" -180°		+10.5	89°	-43.0	-32.5	1809.9		BS			
	2461				+10.2	271°	-43.0	-32.8	32.6		BS			
151	2263		282° 06'		10.5	89°	+39.5	+29.0		1838.9				
152	1974		286° 01'		8.8	89°	+34.4	+25.6		1835.5				
153	1644		285° 39'		7.1	89°	+28.7	+21.6		1831.5				
154	1316		284° 24'		7.2	89°	+23.0	+15.8		1825.7				
155	988		286° 15'		6.8	89°	+17.2	+10.4		1820.3				
156	660		287° 52'		6.8	89°	+11.5	+4.7		1814.6				
157	330		" "		5.9	89°	+5.8	-0.1		1809.8				
158	0				5.2	-		-5.2		1804.7	X			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-13-82		B. Cotcamp		D. Hamilton		6834		P.N.		8	12				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIF.		SHOSHONE-15'		CALIF.		Inyo					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
									1809.9						
159	330		103° 42'		7.0	90° 40'	-3.8	-10.8		1799.1					
160	658		99° 22'		7.8	90° 40'	-7.7	-15.5		1794.4					
161	986		97° 17'		9.0	90° 40'	-11.5	-20.5		1789.4					
162	1314		98° 50'		10.3	90° 40'	-15.3	-25.6		1784.3					
163	1642		100° 21'		11.1	90° 40'	-19.1	-30.2		1779.7					
164	1951		103° 54'		10.7	90° 40'	-22.7	-33.4		1776.5					
165	2258		107° 16'		12.4	90° 40'	-26.3	-38.7		1771.2					
166	2545		110° 37'		8.1	90° 48'	-35.5	-43.6		1766.3	TP				
166 167	2875		110° 54' 44"		11.1	90° 40'	-33.5	-44.6		1765.5	TP				
167	2875				10.8	269° 20'	-33.5	-44.3	-44.4		TP				
	2568		288° 09' 02" - 180		+ 12.2	88° 40'	-60.0	-47.6	1717.9		BS				
	2568				+ 12.1	271° 20'	-60.0	-47.7			BS				
168	2243		286° 44'		10.3	88° 40'	+52.2	+41.9		1759.8					
169	1928		285° 09'		11.6	88° 40'	+44.8	+33.2		1751.1					
170	1625		281° 04'		6.5	88° 40'	+37.8	+31.3		1749.2					
171	1299		279° 43'		7.8	88° 40'	+30.2	+22.4		1740.3					
172	971		279° 53'		6.9	88° 40'	+22.6	+15.7		1733.6					
173	654		285° 31'		8.8	88° 40'	+15.2	+6.4		1724.3					
174	329		291° 53'		7.6	88° 40'	+7.7	+0.1		1718.0					
175	0				5.2	<		-5.2		1712.7	X				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-13-82		B. Cotcamp		D. Hamilton		6834		D.H.		8	13				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIF.		SMOSHONE-15'		CALIF.		TMYO					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
									1717.9						
176	330		123° 48'		7.4	90° 50'	-4.8	-12.2		1705.7					
177	658		119° 33'		9.1	90° 50'	-9.6	-18.7		1699.2					
178	983		115° 34'		10.9	90° 50'	-14.3	-25.2		1692.7					
179	1310		114° 24'		10.2	91°	-22.9	-33.1		1684.8					
180	1623		110° 29'		7.2	91°	-28.3	-35.5		1682.4					
181	1922		105° 58'		8.2	91°	-33.5	-41.7		1676.2					
182	2240		103° 59'		9.1	91°	-39.1	-48.2		1669.7					
183	2570		104° 10' 23"		7.8	91°	-44.9	-52.7		1665.4	TP				
183	2570				7.5	269°	-44.9	-52.4	52.5		TP				
	2968		280° 57' 04" -180		+ 7.8	89°	-51.8	-44.0	1621.2		BS				
	2968				+ 7.4	271°	-51.8	-44.4	44.2'		BS				
184	2640		280° 52'		7.1	89°	+46.1	+39.0		1660.2					
185	2310		" "		7.0	89°	+40.3	+33.3		1654.5					
186	1980		" "		7.1	89°	+34.6	+27.5		1648.7					
187	1650		" "		6.9	89°	+28.8	+21.9		1643.1					
188	1320		280° 52'		5.4	89°	+23.0	+17.6		1638.8					
189	990		" "		7.5	88° 50'	+20.2	+12.7		1633.9					
190	660		" "		7.2	88° 50'	+13.4	+6.2		1627.4					
191	330		" "		6.6	88° 50'	+6.7	+0.1		1621.3					
192	0				5.2	-		-5.2		1616.0	X				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-13-82		B. Cotcamp		D. Hamilton		6834		D.H.		8	14				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIF.		SHOSHONE-15		CALIF.		Inyo					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
									1621.2						
193	336		101° 11'		6.4	90° 20'	-1.9	-8.3		1612.9					
194	660		99° 43'		6.9	90° 30'	-5.8	-12.7		1608.5					
195	990		100° 05'		10.5	90° 30'	-8.6	-19.1		1602.1					
196	1317		102° 11'		7.2	70° 50'	-19.1	-26.3		1594.9					
197	1645		103° 17'		7.9	90° 50'	-23.9	-31.8		1589.4					
198	1975		103° 52'		13.1	90° 40'	-23.0	-36.1		1585.1					
199	2305		104° 10'		12.0	90° 40'	-26.8	-38.8		1582.4					
200	2635		104° 03'		12.0	90° 40'	-30.6	-42.6		1578.6					
201	2965		103° 57'		19.8	90° 34'	-29.3	-49.1		1572.1					
TP	3002		103° 45' 47"		15.0	90° 40'	-34.9	-49.9		1571.5	TP				
TP	3002				14.7	269° 20'	-34.9	-49.6	-49.75		TP				
	3232		270° 30' 54" -180		+ 10.9	88° 48'	-67.7	-56.8			BS				
	3232				+ 11.0	271° 12'	-67.7	-56.7	1514.8		BS				
202	2942		270° 43'		8.1	88° 50'	+59.9	+51.8		1566.6					
203	2615		271° 33'		8.8	88° 46'	+56.3	+47.5		1562.3					
204	2287		272° 24'		11.3	88° 40'	+53.2	+41.9		1556.7					
205	1958		273° 04'		9.0	88° 40'	+45.5	+36.5		1551.3					
206	1631		272° 57'		8.2	88° 40'	+37.9	+29.7		1544.5					
207	1311		269° 45'		7.1	88° 40'	+30.5	+23.4		1538.2					
208	987		272° 22'		7.7	88° 30'	+25.8	+18.1		1532.9					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-14-82		B. Cotcamp		D. Hamilton		6834		D.H.		8	15				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIF.		SHOSHONE-15'		CALIF.		INYO					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
									1514.8						
209	657		272° 12'		7.5	88° 30'	+17.2	+9.7		1524.5					
210	328		270° 34'		3.9	88° 30'	+8.6	+4.7		1519.5					
211	0				5.2	-		-5.2		1509.6	X				
212	330		80° 55'		5.0	93° -	-17.2	-22.2		1492.6					
213	656		75° 25'		11.2	91° 50'	-21.0	-32.2		1482.6					
214	984		76° 17'		7.2	91° 50'	-31.5	-38.7		1476.1					
215	1312		78° 13'		8.0	91° 40'	-38.1	-46.1		1468.7					
216	1641		79° 02'		6.5	91° 40'	-47.7	-54.2		1460.6					
217	1971		78° 39'		5.6	91° 40'	-57.3	-62.9		1451.9					
218	2301		78° 24'		10.5	91° 30'	-60.2	-70.7		1444.1					
219	2631		78° 08'		8.9	91° 30'	-68.9	-77.8		1437.0					
220	2960		77° 54' 03"		6.7	91° 30'	-77.5	-84.2			TP				
220	2960				6.6	268° 30'	-77.5	-84.1		1430.7	TP				
	1315		263° 35' 05" -180		+12.9	88° 50'	-26.8	-13.9	1416.8		BS				
	1315				+9.1	89° -	-23.0	-13.9			BS				
221	985		263° 15'		11.0	88° 50'	+20.1	+9.1		1425.9					
222	656		261° 27'		8.1	88° 50'	+13.4	+5.3		1422.1					
223	328		256° 34'		5.0	88° 50'	+6.7	+1.7		1418.5					
224	0				5.2	-		-5.2		1411.6	X				
225	330				6.0	90° 40'	-3.8	-9.8		1407.0					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-14-82		B. Cotcamp		D. Hamilton		6834		D.H.		8	16				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIF.		SHOSHONE-15'		CALIF.		TNYO					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
									1416.8						
226	660		63° 59'		6.1	90° 40'	-7.7	-13.8		1403.0					
227	988		65° 34' 45"		6.2	90° 40'	-11.5	-17.7		1399.1	TP				
227	988				3.3	90° 50'	-14.4	-17.7			TP				
	1287		281° 31' 30" -180		+ 6.9	89° -	-22.5	-15.6	1383.5		BS				
	1287				+ 10.6	88° 50'	-26.2	-15.6			BS				
228	970		286° 18'		7.9	89° -	+16.9	+9.0		1392.5					
229	650		290° 36'		7.7	89° -	+11.3	+3.6		1387.1					
230	330		297° 18'		6.2	89° -	+5.8	0.4		1383.1					
#	334		301° 56' 01"		4.6	89° -	+5.8	+1.2		1384.7	#				
231	0				5.2	-		-5.2		1378.3	X				
232	370		117° 37'		6.7	90° 50'	-4.8	-11.5		1372.0					
233	660		" "		7.3	90° 50'	-9.6	-16.9		1366.6					
234	990		" "		9.2	90° 50'	-14.4	-23.6		1359.9					
235	1320		" "		10.1	90° 50'	-19.2	-29.3		1354.2					
236	1650		117° 35' 12"		11.0	90° 50'	-24.0	-35.0		1348.6	TP				
236	1650				10.8	89° 10'	-24.0	-34.8	-34.93		TP				
	3299		297° 29' 41" -180		+ 0.7	-		+0.7	1349.1		BS				
	3299				+ 0.2	270° -		+0.2	10.0		BS				
237	2970		297° 26'		11.1	89° 50'	+8.6	-2.5		1346.6					
238	2640		" "		12.2	89° 50'	+7.7	-4.5		1344.6					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
12-14-82		B. Cotcamp		D. Mannion		6834		D.L.		8	17						
AREA		TOPO MAP	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
		SHOSHONE - TECOPA - 15'	CALIF.	IMYO				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		
									1349.1								
239	2310		297° 21'		7.3	-		-7.3		1341.8							
240	1980		" "		8.8	-		-8.8		1340.3							
241	1650		297° 14'		10.1	-		-10.1		1339.0							
242	1320		" "		10.0	-		-10.0		1339.1							
243	990		" "		10.4	-		-10.4		1338.7							
244	660		" "		11.3	-		-11.3		1337.8							
245	330		296° 34'		9.3	-		-9.3		1339.8							
246	0				5.2	-		-5.2		1343.9	X						
247	330		106° 47'		5.6	-		-5.6		1343.5							
248	660		" "		5.1	-		-5.1		1344.0							
249	990		" "		5.0	-		-5.0		1344.1							
250	1320		" "		4.9	-		-4.9		1344.2							
251	1650		106° 47'		4.0	-		-4.0		1345.1							
252	1980		" "		4.0	-		-4.0		1345.1							
253	2310		" "		8.8	89° 50'	+6.7	-2.1		1347.0							
254	2640		" "		8.7	89° 50'	+7.7	-1.0		1348.1							
255	2970		106° 46' 42"		14.7	89° 54'	+5.2	-9.5		1339.7	TP						
255	2970				14.5	270° 06'	+5.2	-9.3			TP						
	2076		304° 17' 25" - 180°		13.2	-		+13.2	1352.8		BS						
	2076				12.9	270° -		+12.9			BS						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
12-14-82		B. Cotcamp		D. Hamilton		6834		D.H.		8	18			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
		Tecopa		CALIF.		Inyo					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.	
									1352.8					
256	1761		307° 14'		7.2	BH	-8.8	-16.0		1336.8				
257	1459		312° 05'		8.6	BH	-7.3	-75.9		1336.9				
258	1149		317° 04'		12.0	BH	-5.7	-77.7		1335.1				
259	830		321° 31'		10.5	90° 30'	-7.2	-77.7		1335.1				
260	502		324° 31'		10.0	90° 50'	-7.3	-77.3		1335.5				
261	172		" "		7.4	90° 50'	2.5	9.9		1342.9				
X	0				5.2	-		-5.2		1347.6	X			
//	17		58° 00' 33"		4.6	-		-4.6		1348.2				
262	164		103° 11'		6.1	87° 10'	+8.1	+2.0		1354.8				
263	494		101° 47'		11.4	87° 20'	+23.0	+11.6		1364.4				
264	824		101° 35'		10.2	87° 26'	+38.3	+28.1		1380.9				
265	1153		102° 29'		4.9	87° 20'	+53.6	+48.7		1401.5				
266	1479		104° 04' 56"		10.7	87° 30'	+64.5	+53.8		1406.7	TP			
266	1479				10.5	272° 30'	+64.5	+54.0	+53.7		TP			
	2638		298° 38' 53" -180°		+11.3	-		+11.3	1417.9		BS			
	2638				+11.0	270° -		+11.0	+11.2		BS			
267	2310		298° 02'		9.0	-		-9.0		1408.9				
268	1980		298° 18'		10.5	-		-10.5		1407.4				
269	1650		" "		8.5	-		-8.5		1409.4				
270	1320		" "		5.1	-		-5.1		1412.8				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-14-82		B. Cotcamp		D. Hamilton		6834		D.H.		8	A				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIF.		TECOPA-15'		CALIF.		INYO									
STATION NO.	SLOPE 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
									1417.9						
271	990		298° 18'		9.3	TH	+5.0	-4.3		1413.6					
272	660		" "		5.3	-		-5.3		1412.6					
273	330		" "		5.1	-		-5.1		1412.8					
274	0				5.2	-		-5.2		1412.7	TP				
275	330		117° 57'		6.1	-		-6.1		1411.8					
276	660		117° 57'		8.8	-		-8.8		1409.1					
277	982		121° 10'		12.1	-		-12.1		1405.8					
278	1299		125° 50'		7.7	BH	-6.5	-4.2		1403.7					
279	1620		128° 50'		9.0	BH	-8.1	-7.1		1400.8					
280	1950		130° 04' 05"		12.3	90° 10'	-5.7	-18.0			TP				ACCESS STA.
280	1950				12.2	269° 50'	-5.7	-17.9		1400.0	TP				
	3950		319° 31' 53" -180		+12.6	89° 50'	-11.5	+1.1	1400.9		BS				
	3950				+12.1	270° 10'	-11.5	+0.6	1400.9		BS				
281	3621		319° 24'		11.2	89° 50'	+10.5	-0.7		1400.2					
282	3291		" "		9.1	89° 54'	+5.8	-3.3		1397.6					
283	2961		" "		10.0	89° 54'	+5.2	-4.8		1396.1					
284	2631		" "		9.0	89° 54'	+4.6	-4.4		1396.5					
285	2304		319° 46'		12.4	89° 50'	+6.7	-5.7		1395.2					
286	1976		320° 25'		11.2	89° 50'	+5.8	-5.4		1395.5					
287	1650		319° 13'		5.8	-		-5.8		1395.1					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-14-82		B. Cotcamp		D. Hamilton		6834		D.H.		8	20				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
CALIF.		Tecopa - 15'		CALIF.		Inyo					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
									1400.9						
288	1320		319° 13'		5.1	-		-5.1		1395.8					
289	990		" "		5.7	-		-5.7		1395.2					
290	660		" "		6.8	-		-6.8		1394.1					
291	330		" "		6.8	-		-6.8		1394.1					
292	0				5.2	-		-5.2		1395.7	X				
293	330		139° 46'		7.8	-		-7.8		1393.1					
294	660		" "		6.0	-		-6.0		1394.9					
295	990		" "		6.7	-		-6.7		1394.2					
296	1320		140° 02'		5.9	-		-5.9		1395.0					
297	1649		140° 51'		5.2	-		-5.2		1395.7					
298	1978		141° 36'		5.0	-		-5.0		1395.9					
299	2307		141° 57'		10.2	89° 50'	+6.7	-3.5		1397.4					
300	2637		142° 25'		9.1	89° 50'	+7.7	-1.4		1399.5					
301	2967		142° 43'		7.0	89° 50'	+8.6	+1.6		1402.5					
302	3296		143° 02'		5.0	89° 50'	+9.6	+4.6		1405.5					
303	3626		143° 12'		9.7	89° 44'	+16.9	+7.2		1408.1					
304	3956		143° 16'		10.8	89° 40'	+23.0	+12.2		1413.1					
305	4286		143° 19' 18"		7.9	89° 40'	+24.9	+17.0		1418.2	TP				
305	4286				7.4	270° 20'	+24.9	+17.5	+17.5		TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
12-14-82		B. Cotcamp		D. Hamilton		6834		D.H.		8	21			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
		TECOPA-15'		CALIF.		INYO					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.	
										1418.2				
	4276		312° 39' 47" -18'		+ 8.1	91° 26'	+107.0	+115.1	1533.1		BS			
	4276				+ 7.6	268° 34'	+107	+114.6	114.9		BS			
306	3953		311° 43'		6.9	91° 30'	-103.5	-110.4		1422.7				
307	3628		311° 04'		9.9	91° 30'	-94.9	-104.8		1428.3				
308	3299		" "		8.6	91° 30'	-86.3	-94.9		1438.2				
309	2969		" "		10.2	91° 30'	-77.7	-87.9		1445.2				
310	2640		" "		11.8	91° 30'	-69.1	-80.9		1452.2				
311	2310		311° 04'		6.7	91° 40'	-67.2	-73.9		1459.2				
312	1980		" "		10.3	91° 30'	-51.8	-62.1		1471.0				
313	1650		" "		10.9	91° 30'	-43.2	-54.1		1479.0				
314	1320		" "		12.4	91° 30'	-34.5	-46.9		1486.2				
315	990		311° 04'		11.1	91° 40'	-28.8	-39.9		1493.2				
316	660		" "		8.7	91° 40'	-19.2	-27.9		1505.2				
317	370		" "		6.1	91° 40'	-9.6	-15.7		1517.4				
318	0				5.2	-		-5.2		1527.9	π			
319	330				3.9	88° 10'	+10.6	+6.7		1539.8				
320	660				7.2	88° 10'	+21.1	+13.9		1547.0				
321	990				10.6	88° 20'	+28.8	+18.2		1551.3				
322	1320				10.0	88° 20'	+38.4	+28.4		1561.5				
323	1650				6.6	88° 20'	+48.0	+41.4		1574.5				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 12-14-82	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY D.H.	LINE NO. 22
AREA CALIF.	TOPO MAP Tecopa - 15'	STATE CALIF.	COUNTY INYO	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.	
									1533.1					
324	1986		131° 09'		9.1	88° 16'	+63.3	+54.2		1587.3				
325	2310		" "		8.8	88° 20'	+67.2	+58.4		1591.5				
326	2640		" "		11.2	88° 20'	+76.7	+65.5		1598.6				
327	2970		" "		6.3	88° 20'	+86.3	+80.0		1613.1				
328	3301		" "		10.3	88° 10'	+105.6	+95.3		1628.4				
329	3631		131° 05'		4.8	88° 10'	+116.1	+111.3		1644.4				
330	3957		130° 23'		11.0	88° 04'	+133.4	+122.4		1655.5				
TP	4109		130° 03' 53"		12.9	88° 04'	+138.6	+125.7		1659.1	TP			
TP	4109				12.3	271° 56'	+138.6	+126.3	+126.0		TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-15-82		B. Cotcamp		D. Hamilton		6834		D.R.		8		7			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Eagle Mtn-15'		CALIF.		INYO								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
K1	U.S.G.S	Bm	(03° 32' 17")	STARTING							K1			SCALED →	4-259,685 X - 2,751,930 U.S.G.S B.M. EL.
Bm	290		0° 00' 00"			90° -						-289	-18		
Tn	0				5.2	-		-5.2			T	0	0	259,396	2,751,912
1	707		142° 34' (146° 06')			90° 30'			2634.7			-587	+394	258,809	2,752,306
2	1041		142° 58' 17"			90° 30'			2632.0		TP	-868	+574	258,528	2,752,486
2	1041		(146° 30' 34")								TP				
Tn			0° 00' 00"												
2	0				5.2	-		-5.2			T	0	0	258,528	2,752,486
3	330		189° 27' (155° 57')			90° 30'			2627.7			-301	+134	258,227	2,752,620
4	660		190° 55' (157° 25')			90° 30'			2623.5			-609	+253	257,919	2,752,739
5	989		190° 18' (156° 48')			90° 30'			2618.0			-909	+390	257,619	2,752,876
6	1320		189° 53' 02"			90° 30'			2613.9		TP	-1209	+529	257,319	2,753,015
6	1320										TP				
			(156° 23' 36")												
2			0° 00' 00"												
6	0				5.2	-		-5.2			T	0	0	257,319	2,753,015
7	330		177° 50' (154° 14')			90° 40'			2609.3			-297	+143	257,022	2,753,158
8	648		169° 11' (145° 35')			90° 40'			2604.0			-535	+366	256,784	2,753,381
9	966		162° 58' (139° 22')			90° 40'			2598.4			-733	+629	256,596	2,753,644

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-15-82		B. Cotcamp		D. Hami How		6834		D.H.		8		2				
ARE		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		Eagle Mtn-15'		CALIF.		INYO								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
10	1281		157° 56' 30"			90° 40'				2599.0	TP	-895	+916	256,424	2,753,931	
10	1281		(134° 20' 06")								TP					
6			0° 00' 00"													
10	0				5.2	-		-5.2			X	0	0	256,424	2,753,931	
11	330		166° 12' (120° 32')			90° 40'			2593.1			-168	+284	256,256	2,754,215	
12	657		170° 12' (124° 32')			90° 40'			2587.1			-372	+541	256,052	2,754,472	
13	986		172° 02' (126° 22')			" "			2581.7			-585	+794	255,839	2,754,725	
14	1316		172° 51' (127° 11')			" "			2576.0			-795	+1048	255,629	2,754,979	
15	1646		173° 15' (127° 35')			" "			2571.0			-1004	+1304	255,420	2,755,235	
16	1975		173° 35' (127° 55')			90° 40'			2566.2			-1214	+1558	255,210	2,755,489	
17	2305		173° 49' (128° 09')			" "			2561.2			-1424	+1813	255,000	2,755,744	
18	2635		173° 58' (128° 18')			" "			2556.8			-1633	+2068	254,791	2,755,999	
19	2980		174° 04' 26"			90° 40'			2551.7		TP	-1851	+2335	254,573	2,756,266	
19	2980		(128° 24' 32")								TP					
10			0° 00' 00"													
19	0				5.2	-		-5.2			X	0	0	254,573	2,756,266	
20	330		180° 19' (128° 44')			90° 40'			2545.7			-206	+257	254,367	2,756,523	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

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DATE	12-15-82	INSTRUMENT MAN	B. Cotcamp	ROD MAN	D. Hami How	PARTY NUMBER	6834	NOTES CHECKED BY	AD	LINE NO.	8	PAGE	3
AREA	Death Valley	TOPO MAP	Eagle Mtn. - 1S'	STATE	CALIF.	COUNTY	Inyo	TWP		RANGE		PPM	
												PARTY MANAGER/	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
21	645		180° 19' (128° 44')			90° 40'				2542.6		-404	+503	254,169	2,756,769	
22	975		" " " "			" "				2537.4		-610	+761	253,963	2,757,027	
23	1304		" " " "			" "				2533.0		-816	+1017	253,757	2,757,283	
24	1634		180° 19' (128° 44')			" "				2530.0		-1022	+1275	253,551	2,757,541	
25	1964		180° 29' (128° 54')			90° 40'				2527.2		-1233	+1528	253,340	2,757,794	
26	2294		180° 35' (129° 00')			" "				2524.4		-1444	+1783	253,129	2,758,049	
27	2624		180° 37' (129° 02')			" "				2521.0		-1653	+2038	252,920	2,758,304	↑
28	2954		180° 52' (129° 11')			" "				2518.9		-1870	+2286	252,703	2,758,552	Eagle Mtn - 1S'
29	3283		181° 23' 17"			90° 40'				2514.2	TP	-2101	+2522	252,472	2,758,788	SHOSHONE - 1S'
29	3283		(129° 47' 49")								TP					↓
19			0° 00' 00"													
29	0				5.2	-		-5.2			TP	0	0	252,412	2,758,788	
30	330		185° 54' (135° 42')			90° 30'				2512.1		-236	+230	252,236	2,759,018	
31	660		185° 32' (135° 20')			" "				2506.9		-469	+464	252,003	2,759,252	
32	990		185° 28' (135° 16')			" "				2503.7		-703	+697	251,769	2,759,485	
33	1318		186° 54' (136° 42')			" "				2498.6		-959	+904	251,513	2,759,692	
34	1621		191° 36' (141° 24')			90° 30'				2492.4		-1267	+1011	251,205	2,759,799	
35	1925		195° 43' 26"			" "				2483.8	TP	-1587	+1090	250,890	2,759,880	
35	1925		(145° 31' 15")			90° 30'					TP	+5	+2			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-15-82		B. Cotcamp		D. Hamis How		6834		DH		8		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Depth Valley		Shoshone. 15'		CALIF.		INyo								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
29			0° 00' 00"												
Bm	1512		02° 03' 16" (327° 34' 31")			89° 30'					Bm	+1276	-811	252,166	2,759,069 scale y=252,105 x=2,759,000 U.S.G.S Bm
35	0				5.2	-					X	0	0	250,890	2,759,880
36	330		193° 19' (158° 50')			90° 30'			2476.3			-308	+119	250,582	2,759,999
37	660		" " " "			" "			2469.0			-615	+238	250,275	2,760,118
38	988		191° 36' (157° 07')			" "			2464.8			-910	+384	249,980	2,760,264
39	1300		186° 04' 05"			90° 30'			2458.1		TP	-1143	+619	249,749	2,760,505
39	1300		(151° 35' 20")								TP	-2	+6		
35			0° 00' 00"												
39	0				5.2	-		-5.2			X	0	0	249,749	2,760,505
40	330		161° 31' (133° 06')			90° 30'			2451.4			-225	+241	249,524	2,760,746
41	657		157° 16' (128° 51')			" "			2447.7			-412	+512	249,337	2,761,017
42	986		156° 55' 59" (128° 30')			" "			2442.0			-614	+772	249,135	2,761,277
43	1315		155° 28' 08"			90° 30'			2436.6		TP	-792	+1049	248,959	2,761,560
43	1315		(127° 03' 28")								TP	-2	+6		
39			0° 00' 00"												
43	0				5.2	-		-5.2			X	0	0	248,959	2,761,560

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-15-82		B. Cotcamp		D. Hamilton		6834		DH		8		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		SHOSHONE-15'		CALIF.		Inyo								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-	EAST+ WEST-		Y
			(true) (grid)												
44	330		178° 39' (125° 42')			90° 30'				2430.10		-193	+268	248,766	2,761,828
45	659		179° 47' (126° 50')			" "				2425.3		-395	+527	248,564	2,762,087
46	989		180° 39' (127° 42')			" "				2420.7		-605	+783	248,354	2,762,243
47	1318		181° 54' (128° 57')			" "				2415.3		-829	+1025	248,130	2,762,585
48	1648		182° 06' (129° 09')			" "				2410.4		-1040	+1278	247,919	2,762,838
49	1978		181° 23' 00"			90° 30'				2404.5	TP	-1230	+1549	247,731	2,763,115
49	1978		(128° 26' 28")								TP	+2	+6		
43			0° 00' 00"												
49	0				5.2	-		-5.2			π	0	0	247,731	2,763,115
50	330		173° 01' (121° 21')			90° 30'				2398.7		-172	+282	247,559	2,763,397
51	660		169° 06' (117° 26')			" "				2392.3		-304	+586	247,427	2,763,701
52	987		166° 54' 01"			90° 30'				2387.3	TP	-422	+892	247,311	2,764,013
52	987		(115° 20' 29")								TP	+2	+6		
49			0° 00' 00"												
52	0				5.2	-					π	0	0	247,311	2,764,013
53	330		181° 47' (117° 07')			90° 30'				2382.1		-150	+294	247,161	2,764,307
54	655		184° 09' (119° 29')			" "				2378.3		-322	+576	246,989	2,764,583
55	976		184° 44' (120° 04')			" "				2373.9		-489	+845	246,822	2,764,858

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-15-82		B. Cotcamp		D. Hamilton		6834		DA		8		6				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
CALIF.		SHOSHONE-15		CALIF.		INYO								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
56	1309		183° 53' (119° 13')			90° 30'				2369.6		-639	+1142	246,672	2,765,155	
TP	1451		183° 43' 06"			90° 30'					TP	-705	+1268	246,608	2,765,287	
TP	1451		(119° 03' 35")								TP	+2	+6			
52			0° 00' 00"													
TP	0				5.2	-		-5.2			X	0	0	246,608	2,765,287	
57	191		196° 39' (135° 43')			90° 30'				2365.3		-137	+133	246,471	2,765,420	
58	521		" " (135° 43')			" "				2359.8		-373	+364	246,235	2,765,651	
59	847		192° 48' (131° 52')			" "				2353.2		-565	+631	246,043	2,765,918	
60	1174		190° 31' (129° 35')			" "				2348.5		-748	+905	245,860	2,766,192	
61	1504		189° 43' (128° 47')			90° 30'				2342.9		-942	+1172	245,666	2,766,459	
62	1833		189° 14' (128° 18')			" "				2338.5		-1136	+1439	245,472	2,766,726	
63	2162		189° 02' (128° 06')			" "				2332.9		-1334	+1701	245,274	2,766,988	
64	2491		188° 53' 08"			90° 30'				2327.8	TP	-1532	+1964	245,078	2,767,257	
64	2491		(127° 56' 43")								TP	+2	+6			
TP			0° 00' 00"													
64	0				5.2	-		-5.2			X	0	0	245,078	2,767,257	
65	330		170° 11' (118° 08')			90° 30'				2320.2		-156	+291	244,922	2,767,548	

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-15-82		B. Cotcamp		D. Hamilton		6834		DR		8		7				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER.		
Death Valley		S405086-15'		CALIF.		INYO								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
66	659		172° 39' (120° 36')			90° 30'				2316.6		-335	+567	244,743	2,767,824	
67	988		173° 46' (121° 43')			" "				2303.9		-519	+840	244,559	2,768,097	
68	1318		173° 11' (121° 08')			" "				2305.9		-681	+1128	244,397	2,768,385	
69	1646		173° 57' (121° 54')			" "				2300.0		-870	+1397	244,208	2,768,654	
70	1975		174° 46' (122° 43')			90° 30'				2294.4		-1067	+1662	249,011	2,768,919	
71	2304		174° 19' 02"			" "				2288.6	TP	-1230	+1948	243,850	2,769,211	
72	2304		(122° 15' 45")								TP					
64			0° 00' 00"													
71	0				5.2	-		-5.2			X	0	0	243,850	2,769,211	
72	330		169° 27' (111° 43')			90° 30'				2282.7		-122	+307	243,728	2,769,518	
73	660		" " " "			" "				2277.0		-244	+613	243,606	2,769,824	
74	987		171° 41' (113° 51')			" "				2272.4		-401	+902	243,449	2,770,113	
75	1317		171° 48' (114° 04')			" "				2266.2		-537	+1203	243,313	2,770,414	
76	1647		171° 29' (113° 45')			90° 30'				2260.5		-663	+1508	243,187	2,770,719	
77	1974		171° 31' (113° 47')			" "				2254.9		-796	+1806	243,059	2,771,017	
78 TP	2202		171° 21' 11"			90° 30'					TP	-882	+2018	242,970	2,771,235	
TP	2202		(113° 36' 56")								TP					

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE								
12-15-82		B Cotcamp		D. Hamilton		6834		DH		8	8								
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
CALIF.		S4050000-15		CALIF.		INyo					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				
71			0° 00' 00"																
TP	0				5.2	-		-5.2			X	0	0	242,970	2,771,235				
78	96		197° 39' (131° 16')			90° 30'				2250.0		-63	+72	242,907	2,771,307				
79	426		201° 43' (135° 20')			" "				2244.9		-303	+299	242,667	2,771,534				
80	755		201° 53' (135° 30')			" "				2239.5		-539	+529	242,431	2,771,764				
81	1085		201° 46' (135° 23')			90° 30'				2233.0		-772	+762	242,198	2,771,997				
82	1415		201° 47' (135° 24')			" "				2230.9		-1008	+994	241,962	2,771,229				
83	1744		201° 28' (135° 05')			" "				2226.0		-1235	+1231	241,735	2,772,466				
84	2073		200° 35' (134° 12')			" "				2220.7		-1445	+1486	241,525	2,772,721				
85	2404		199° 49' 17"			90° 30'				2213.3	TP	-1653	+1746	241,319	2,772,987				
85	2404		" " (133° 26' 13")								TP	+2	+6						
TP			0° 00' 00"																
85	0				5.2	-		-5.2			X	0	0	241,319	2,772,987				
86	328		164° 52' (118° 18')			90° 30'				2208.4		-156	+289	241,163	2,773,276				
87	654		171° 36' (125° 02')			" "				2202.0		-375	+536	240,944	2,773,523				
88	982		170° 06' (123° 32')			" "				2195.8		-542	+819	240,777	2,773,806				
89	1298		172° 44' (126° 10')			" "				2190.0		-766	+1048	240,553	2,774,035				
90	1622		174° 47' (128° 13')			90° 30'				2185.5		-1003	+1274	240,316	2,774,261				

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
12-16-82		B. Cotcamp		D. Ham! Hoo		6834		DH		48		9						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
Death Valley		SHOSHONE-15'		CALIF.		Inyo								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			
91	1951		175° 42' (129° 08')			90° 30'				2178.6		-1231	+1513	290,082	2,774,500			
92	2279		175° 18' (128° 44')			" "				2173.7		-1426	+1778	239,993	2,774,765			
93	2608		175° 55' (129° 21')			" "				2169.0		-1654	+2017	239,665	2,775,004			
94	2936		176° 31' (129° 57')			" "				2164.8		-1885	+2251	239,434	2,775,238			
95	3262		177° 18' 40"			90° 30'				2158.3	TP	-2129	+2471	239,192	2,775,469			
95	3262		(130° 44' 53")								TP	+2	+6					
85			0° 00' 00"															
95	0				5.2	-		-5.2			X	0	0	239,192	2,775,469			
8A	3058		119° 03' 11" (69° 48' 04")			90° 10'					8A	+1056	+2870	240,250	2,778,340			3-240,250x-2,778,340
96	330		188° 31' (139° 16')			" "				2151.9		-250 ⁺²	+215 ⁺⁶	238,942	2,775,679			4.S.C.+6.S Bm, Horiz CORR. y-+21' x-+68'
97	660		188° 52' (139° 37')			" "				2145.4		-503	+428	238,689	2,775,892			
98	989		187° 46' (138° 31')			" "				2138.9		-741	+655	238,451	2,776,119			
99	1318		186° 38' (137° 23')			90° 10'				2132.6		-970	+892	238,222	2,776,356			
100	1648		186° 21' (137° 06')			" "				2126.7		-1207	+1122	237,985	2,776,586			
101	1978		186° 15' (137° 00')			" "				2121.8		-1447	+1349	237,745	2,776,813			
102	2307		" " " "			" "				2115.3		-1687	+1573	237,505	2,777,037			
103	2637		186° 03' 07"			90° 10'				2109.4	TP	-1922	+1805	237,270	2,777,269			
103	2637		(136° 48' 00")								TP							

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 12-16-82	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY DP	LINE NO. 8	PAGE 10
AREA Death Valley	TOPO MAP SHOSHONE-15'	STATE CALIF.	COUNTY INYO	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
95			0° 00' 00"															
103	0				5.2	-		-5.2			X	0	0	237,270	2,777,269			
104	330		180° 22' (137° 10')			90°				2103.0		-242	+224	237,028	2,777,493			
105	660		179° 51' (136° 31')			" "				2098.0		-503	+427	236,767	2,777,696			
106	990		179° 23' (136° 11')			" "				2092.4		-714	+685	236,556	2,777,954			
107	1319		" " " "			" "				2086.7		-952	+913	236,319	2,778,182			
108	1649		" " " "			" "				2080.8		-1190	+1142	236,080	2,778,411			
109	1979		179° 10' (135° 58')			90°				2075.1		-1423	+1376	235,847	2,778,645			
110	2309		" " " "			" "				2069.1		-1660	+1605	235,610	2,778,874			
111	2638		179° 03' (135° 51')			" "				2062.5		-1893	+1837	235,377	2,779,106			
112	2968		178° 58' 40"			90°				2056.9	TP	-2127	+2070	235,142	2,779,339			
112	2968		(135° 46' 40")								TP	-1						
103			0° 00' 00"															
112	0				5.2	-					X	0	0	235,142	2,779,339			
113	330		179° 13' (135° -)			91°				2051.0		-233	+233	234,909	2,779,572			
114	660		" " " "			" "				2055.8		-467	+467	234,675	2,779,806			
115	990		" " (135° -)			" "				2037.7		-700	+700	234,442	2,780,039			
116	1320		" " " "			" "				2031.2		-933	+933	234,209	2,780,272			
117	1650		" " " "			91°				2025.2		-1167	+1167	233,975	2,780,506			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-16-82		B. Cotcamp		D. Hamilton		6834		DH		RD		8				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		Shoshone-15'		CALIF.		INYO								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
118	1980		179° 12' (134° 58')			91° -				2019.1		-1400	+1400	233,742	2,780,739	
119	2310		" " "			" "				2013.2		-1633	+1634	233,509	2,780,973	
120	2640		179° 03' (134° 50')			" "				2006.9		-1861	+1872	233,281	2,781,211	
121	2970		179° 00' (134° 47')			" "				2000.1		-2092	+2108	233,050	2,781,447	
122	3299		178° 52' (134° 39')			" "				1994.2		-2318	+2347	232,824	2,781,686	
123	3630		178° 52' "			91° -				1988.8	TP	-2551	+2582	232,590	2,781,921	
123	3630		(134° 38' 51")								TP	-1				
112			0° 00' 00"													
123	0				5.2	-					X	0	0	232,590	2,781,921	
124	330		177° 56' (132° 35')			91° -				1982.0		-223	+243	232,367	2,782,164	
125	659		178° 53' (133° 32')			" "				1975.3		-454	+478	232,136	2,782,399	
126	988		178° 44' (133° 23')			" "				1969.9		-679	+718	231,911	2,782,639	
127	1318		179° 32' (134° 11')			91° -				1964.0		-919	+945	231,671	2,782,866	
128	1648		179° 19' (133° 58')			" "				1958.4		-1144	+1186	231,446	2,783,107	
129	1978		179° 12' (133° 51')			" "				1952.8		-1370	+1426	231,220	2,783,347	
130	2307		" " "			" "				1947.6		-1598	+1664	230,992	2,783,585	
131	2634		180° 10' 24"			91° -				1941.0	TP	-1856	+1868	230,733	2,783,789	
131	2634		(134° 42' 15")								TP	-1				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-16-82		B. Gotcamp		D. Hamilton		6834		DA		AD 8		12			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		S405408-15'		CALIF.		INyo								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
123			0° 00' 00"												
131	0				5.2	-					TP	0	0	230,733	2,783,789
132	329		183° 06' (137° 55')			91°				1935.6		-244	+221	230,489	2,784,010
133	659		185° 00' (139° 49')			" "				1929.7		-503	+425	230,230	2,784,214
134	986		182° 45' (137° 34')			" "				1924.2		-728	+665	230,005	2,784,454
135	1314		181° 36' (136° 25')			" "				1919.2		-952	+906	229,781	2,784,695
136	1644		182° 06' (136° 55')			91°				1912.5		-1201	+1123	229,532	2,784,912
137	1973		182° 19' (137° 08')			" "				1905.9		-1446	+1342	229,287	2,785,131
138	2303		182° 17' (137° 06')			" "				1900.0		-1687	+1568	229,046	2,785,357
139	2632		182° 00' (136° 49')			" "				1895.5		-1919	+1801	228,814	2,785,590
140	2961		182° 09' (136° 58')			91°				1889.7		-2164	+2021	228,569	2,785,810
141	3281		180° 41' (135° 30')			" "				1886.0		-2340	+2300	228,393	2,786,089
142	3589		178° 45' (133° 34')			" "				1879.5		-2474	+2600	228,259	2,786,389
143	3913		177° 56' 28"			91°				1876.6	TP	-2656	+2872	228,076	2,786,661
143	3913		(132° 45' 43")								TP	-1			
131			0° 00' 00"												
141	1891		355° 25' 30" (308° 41' 13")												
143	0				5.2	-		-5.2			TP	0	0	228,076	2,786,661

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-16-82		B. Cotcamp		D. Hamilton		6834		D.H.		8		13				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		SHOSHONE-15		CALIF.		INyo								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
144	329		180° 30' (133° 16')			91° -				1872.0		-225	+240	227,851	2,786,901	
145	658		181° 49' (134° 35')			" "				1865.4		-462	+469	227,614	2,787,130	
146	989		181° 16' (134° 01')			" "				1859.6		-687	+711	227,389	2,787,372	
147	1311		178° 22' (131° 08')			" "				1853.1		-862	+987	227,214	2,787,648	
148	1629		178° 02' (130° 48')			91° -				1847.4		-1064	+1233	227,012	2,787,894	
149	1951		180° 16' (133° 02')			" "				1841.1		-1331	+1426	226,745	2,788,087	
150	2266		182° 21' (135° 07')			" "				1835.4		-1606	+1599	226,470	2,788,260	
TP	2366		181° 21' 53"			91° -					TP	-1647	+1698	226,428	2,788,359	
TP	2366		(134° 07' 36")								TP	-				
143			0° 00' 00"													
TP	0			-	5.2	-	-5.2				TP	0	0	226,428	2,788,359	
151	190		158° 20' (112° 28')			91° -				1838.9		-73	+176	226,355	2,788,535	
152	502		144° 37' (98° 45')			" "				1835.5		-76	+496	226,352	2,788,855	
153	817		152° 57' (107° 05')			" "				1831.5		-240	+781	226,188	2,789,140	
154	1138		157° 33' (111° 41')			" "				1825.7		-420	+1057	226,008	2,789,416	
155	1468		157° 30' (111° 38')			91° -				1820.3		-541	+1365	225,887	2,789,724	
156	1796		158° 15' (112° 23')			" "				1814.6		-684	+1661	225,744	2,790,020	
157	2123		159° 32' (113° 40')			" "				1809.8		-852	+1944	225,576	2,790,303	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-16-82		B. Cotcamp		D. Hamilton		6834		D, H		AD 8		14				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		SUOSHONE-15'		CALIF.		INYO								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
158	2451		160° 26' (114° 34')			91° -				1804.7		-1019	+2229	225,409	2,790,588	
159	2782		160° 34' (114° 42')			" "				1799.1		-1163	+2527	225,565	2,790,886	
160	3109		159° 49' (113° 57')			" "				1794.4		-1262	+2841	225,166	2,791,200	
161	3435		159° 13' (113° 21')			" "				1789.4		-1361	+3154	225,067	2,791,513	
162	3764		159° 21' 15"			91° -				1784.3	TP	-1500	+3452	224,927	2,791,811	
162	3764		(113° 28' 51")								TP	-1				
TP			0° 00' 00"													
162	0				5.2	-		-5.2			X	0	0	224,927	2,791,811	
163	330		184° 28' (117° 57')			91° -				1779.7		-155	+292	224,772	2,792,103	
164	651		192° 49' (126° 18')			" "				1776.5		-385	+525	224,542	2,792,336	
165	976		197° 23' (130° 52')			" "				1771.2		-639	+738	224,288	2,792,549	
166	1285		201° 27' (134° 56')			91° -				1766.3		-908	+910	224,019	2,792,721	
167	1611		199° 35' (133° 04')			" "				1765.5		-1100	+1177	223,827	2,792,988	
168	1942		198° 08' (131° 37')			" "				1759.9		-1290	+1452	223,637	2,793,263	
169	2261		198° 43' (132° 12')			" "				1751.1		-1519	+1675	223,408	2,793,486	
170	2587		199° 32' 59"			91° -				1749.2	TP	-1765	+1891	223,161	2,793,702	
170	2587		(133° 01' 50")								TP	-1				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-16-82		B. Cotcamp		D. Hamilton		6834		D.H.		8		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
CALIF.-DEATH VALLEY		SHOSHONE-15'		CALIF.		INYO								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
162			0° 00' 00"												
170	0				5.2	-					X	0	0	223,161	2,793,702
171	328		165° 46' (118° 48')			91°				1740.3		-158	+287	223,003	2,793,989
172	655		162° 52' (115° 54')			" "				1733.6		-286	+589	222,875	2,794,291
173	975		158° 13' (111° 15')			" "				1724.3		-353	+909	222,808	2,794,611
174	1304		158° 21' (111° 23')			91°				1718.0		-475	+1214	222,686	2,794,916
175	1625		161° 07' (114° 09')			" "				1712.7		-665	+1483	222,496	2,795,185
176	1933		164° 48' (117° 50')			" "				1705.7		-903	+1709	222,258	2,795,411
177	2258		166° 26' (119° 28')			" "				1699.2		-1111	+1966	222,050	2,795,668
178	2589		166° 37' (119° 39')			91°				1692.7		-1281	+2250	221,980	2,795,952
179	2915		166° 59' (120° 01')			" "				1684.8		-1458	+2524	221,703	2,796,226
180	3237		165° 46' (118° 48')			" "				1682.4		-1559	+2837	221,602	2,796,539
181	3544		163° 42' (116° 44')			" "				1676.2		-1594	+3165	221,567	2,796,867
182	3863		162° 44' (115° 46')			" "				1669.7		-1679	+3479	221,482	2,797,181
183	4193		162° 56' 01"			91°				1665.4	TP	-1835	+3769	221,325	2,797,471
188	4193		(115° 57' 51")								TP	-1			
170			0° 00' 00"												
183	0				5.2	-					X	0	0	221,325	2,797,471

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-16-82		B. Cotcamp		D. Hamilton		6834		D.A.		8		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		SHOSHONE - 15'		CALIF.		INYO								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
184	330		180° 36' (116° 34')			91° -				1660.2		-148	+295	221,177	2,797,766
185	660		179° 29' (115° 27')			" "				1654.5		-284	+596	221,041	2,798,067
186	989		178° 11' (114° 09')			" "				1648.7		-405	+902	220,920	2,798,373
187	1319		178° 25' (114° 23')			" "				1643.1		-545	+1201	220,780	2,798,672
188	1649		178° 06' (114° 04')			91° -				1638.8		-672	+1506	220,653	2,798,977
189	1979		178° 11' (114° 09')			" "				1633.9		-810	+1806	220,515	2,799,277
190	2308		178° 14' (114° 12')			" "				1627.4		-946	+2105	220,379	2,799,576
191	2638		178° 03' 23"			91° -				1621.3	TP	-1074	+2409	220,250	2,799,886
191	2638		(114° 01' 14")								TP	-			
183			0° 00' 00"												
191	0				5.2	-					TP	0	0	220,250	2,799,886
192	330		180° 02' (114° 03')			91° -				1616.0		-134	+301	220,116	2,800,181
193	660		" " " "			" "				1612.9		-269	+603	220,981	2,800,483
194	990		179° 24' (113° 25')			" "				1608.5		-393	+908	219,857	2,800,788
195	1319		179° 25' (113° 26')			" "				1602.1		-525	+1210	219,725	2,801,090
196	1646		181° 02' (115° 03')			91° -				1594.9		-697	+1491	219,553	2,801,371
197	1975		182° 00' (116° 01')			" "				1589.4		-866	+1775	219,384	2,801,655
198	2304		182° 36' (116° 37')			" "				1585.1		-1032	+2060	219,218	2,801,940
199	2634		182° 49' (116° 50')			" "				1582.4		-1189	+2356	219,061	2,802,230

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-16-82		B. Cotcamp		D. Hamilton		6834		D.H.		8		17				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		Suosnowe-15'		CALIF.		Inyo								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	
200	2964		182° 47' (116° 48')			91° -				1578.6		-1336	+2646	218,914	2802,526	
201	3294		182° 43' (116° 44')			" "				1579.0		-1482	+2942	218,768	2802,822	
TP	3331		182° 34' 31"			91° -					TP	-1491	+2978	218,758	2802,858	
TP	3331		(116° 35' 45")								TP					
191			0° 00' 00"													
TP	0				5.2	-					TP	0	0	218,758	2802,858	
202	290		163° 59' (100° 35')							1566.6		-53	+285	218,705	2803,143	
203	619		161° 33' (98° 09')							1562.3		-88	+613	218,670	2803,471	
204	949		161° 27' (98° 03')							1556.7		-133	+940	218,625	2803,798	
205	1279		162° 05' (98° 41')							1551.3		-193	+1264	218,565	2804,122	
206	1604		163° 38' (100° 14')							1544.5		-285	+1578	219,473	2804,436	
207	1921		166° 37' (103° 13')							1538.2		-439	+1870	218,319	2804,728	
208	2245		165° 18' (101° 54')							1532.9		-463	+2197	218,295	2805,055	
209	2575		165° 44' (102° 20')							1524.5		-550	+2516	218,208	2805,374	
210	2904		166° 08' (102° 44')							1519.5		-640	+2833	218,119	2805,691	
211	3232		166° 24' 41"							1509.6	TP	-727	+3149	218,030	2806,007	
211	3232		(103° 00' 20")								TP					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-16-82		B. Cotcamp		D. Hamilton		6834		D.H.		8		18			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Deer Valley		SMOSHONE - 15		CALIF.		Inyo								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			0° 00' 00"												
211	0				5.2	-					X	0	0	218,030	2,806,007
212	333		167° 40' (90° 40')			91°				1492.6		-4	+333	218,026	2,806,346
213	659		163° 29' (86° 29')			" "				1482.6		+40	+658	218,070	2,806,665
214	989		164° 39' (87° 39')			" "				1476.1		+41	+988	218,071	2,806,995
215	1315		166° 51' (89° 51')			" "				1468.7		+3	+1315	218,033	2,807,322
216	1643		167° 47' (90° 47')			91°				1460.6		-22	+1643	218,008	2,807,650
217	1974		167° 29' (90° 29')			" "				1451.9		-17	+1974	218,013	2,807,981
218	2304		167° 19' (90° 19')			" "				1444.1		-13	+2304	218,017	2,808,311
219	2634		167° 07' (90° 07')			" "				1437.0		-5	+2634	218,025	2,808,641
220	2963		166° 53' 40"			91°				1430.7	TP	+5	+2963	218,034	2,808,970
220	2963		(89° 54' 06")								TP				
211			0° 00' 00"												
220	0				5.2	-					X	0	0	218,034	2,808,970
221	330		186° 56' (96° 50')							1425.9		-39	+328	218,995	2,809,298
222	660		188° 30' (98° 24')							1422.1		-96	+653	217,938	2,809,623
223	989		" " " "							1418.5		-144	+978	217,890	2,809,948
224	1315		186° 28' 24"							1411.6	TP	-146	+1307	217,887	2,810,277
224	1315		(96° 22' 30")								TP				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-17-82		B. Cotcamp		D. Hamilton		6834		D.H.		8		19				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		Shoshone - 15'		CALIF.		Inyo								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	
220			0° 00' 00"													
224	0				5.2	-					π	0	0	217,887	2,810,277	
225	330		160° 11' (76° 34')			90° 40'			1407.0			+77	+321	217,964	2,810,598	
226	660		" " (" ")			" "			1403.0			+153	+642	218,040	2,810,919	
227	988		161° 50' 34"			90° 40'			1399.1		TP	+202	+967	218,088	2,811,244	
227	988		(78° 13' 04")								TP	-				
224			0° 00' 00"													
227	0				5.2	-					π	0	0	218,088	2,811,244	
228	330		201° 49' (100° 02')			90° 30'			1392.5			-57	+325	218,031	2,811,569	
229	664		207° 04' (105° 17')			" "			1387.1			-172	+631	217,916	2,811,875	
230	975		210° 58' (109° 11')			" "			1383.1			-320	+921	217,768	2,812,165	
#	983		209° 28' 09" (107° 41' 13")			" "					#					
231	1286		216° 10' 08"			90° 30'			1378.3		TP	-532	+1173	217,555	2,812,417	
231	1288		(114° 23' 12")								TP	-				
227			0° 00' 00"													
231	0				5.2	-					π	0	0	217,555	2,812,417	
232	330		196° 01' (130° 24')			90° 30'			1372.0			-214	+251	217,311	2,812,668	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-17-82		B. Cotcamp		B. Hamilton		6834		O.H.		8		20				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		Shoshone - 15'		CALIF.		INYO								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
233	660		196° 01' (130° 24')			90° 50'				1366.6		-428	+503	217,127	2,812,920	
234	990		" " " "			" "				1359.9		-642	+754	216,913	2,813,171	
235	1320		" " " "			" "				1354.2		-856	+1005	216,699	2,813,422	
236	1650		" " " "			" "				1348.6		-1069	+1257	216,486	2,813,674	
237	1980		" " " "			90° 50'				1346.6		-1283	+1568	216,272	2,813,925	
238	2310		196° 01' (130° 24')			" "				1344.6		-1497	+1759	216,059	2,814,176	↑
239	2640		" " " "			" "				1341.8		-1711	+2010	215,844	2,814,427	Shoshone - 15'
240	2970		" " " "			" "				1340.3		-1925	+2262	215,630	2,814,679	Tecopa - 15'
241	3300		" " " "			90° 50'				1339.0		-2139	+2513	215,416	2,814,930	↓
242	3630		" " " "			" "				1339.1		-2353	+2764	215,202	2,815,181	
243	3960		196° 01' (130° 24')			" "				1338.7		-2567	+3016	214,988	2,815,433	
244	4290		" " " "			90° 50'				1337.8		-2780	+3267	214,775	2,815,684	
245	4620		" " " "			" "				1339.8		-2994	+3518	214,561	2,815,935	
246	4950		195° 52' 23"			90° 50'				1343.9	TP	-3199	+3777	214,355	2,816,194	
246	4950		(130° 15' 35")								TP	-1				
231			0° 00' 00"													
246	0				5.2	-					TP	0	0	214,355	2,816,194	
247	330		169° 23' (119° 39')			90° -				1343.5		-163	+287	214,192	2,816,481	

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 12-17-82		INSTRUMENT MAN B. Cotcamp		ROD MAN D. Hamilton		PARTY NUMBER 6834		NOTES CHECKED BY D.H.		LINE NO. 8		PAGE 21	
AREA Death Valley		TOPO MAP Tecopa-15'		STATE CALIF.		COUNTY Inyo		RANGE		PPM		PARTY MANAGER L.O. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
248	660		169° 23' (119° 39')			90° -				1344.0		-327	+574	214,028	2,816,768	
249	990		" " " "			" "				1344.1		-490	+860	213,865	2,817,054	
250	1320		" " " "			" "				1344.2		-653	+1147	213,702	2,817,341	
251	1650		" " " "			" "				1345.1		-816	+1434	213,539	2,817,628	
252	1980		" " " "			" "				1345.1		-980	+1721	213,375	2,817,915	
253	2310		" " " "			" "				1347.0		-1143	+2008	213,212	2,818,202	
254	2639		169° 23' 09"			90° -				1348.1	TP	-1305	+2294	213,050	2,818,488	
254	2639		(119° 38' 44")								TP					
246			0° 00' 00"													
254	0				5.2	-					X	0	0	213,050	2,818,488	
255	330		180° 04' (119° 42')			90° 30'				1339.7		-164	+287	212,886	2,818,775	
256	660		" " " "			" "				1336.8		-327	+573	212,723	2,819,061	
257	990		" " " "			" "				1336.9		-491	+860	212,559	2,819,348	
258	1318		181° 57' (121° 36')			90° 36'				1335.1		-691	+1123	212,359	2,819,611	
259	1634		185° 19' (124° 58')			" "				1335.1		-936	+1339	212,114	2,819,827	
260	1940		189° 14' (128° 53')			" "				1335.5		-1218	+1510	211,932	2,819,998	
261	2238		193° 13' (132° 52')			90° 30'				1342.9		-1523	+1640	211,527	2,820,128	
262	2548		193° 50' (133° 29')			" "				1354.8		-1753	+1849	211,297	2,820,337	
263	2862		191° 31' (131° 10')			" "				1364.4		-1884	+2155	211,166	2,820,643	

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-17-82		B. Cotcamp		D. Hamilton		6839		D.H.		8		22			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Deer Valley		\$ Tecopa-15'		CALIF.		INYO								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
264	3178		189° 46' (129° 25')			88° -				1380.9		-2018	+2455	211,032	2,820,943
265	3499		188° 40' (128° 19')			" "				1401.5		-2169	+2745	210,881	2,821,233
266	3827		188° 10' 43"			87° 30'				1406.7	TP	-2345	+3020	210,705	2,821,509
266	3827		(127° 49' 27")								TP		+		
254			0° 00' 00"												
266	0				5.2	-		-5.2			X	0	0	210,705	2,821,509
267	330		187° 14' (135° 03')			-				1408.9		-234	+233	210,471	2,821,742
268	659		184° 47' (132° 36')			-				1407.4		-446	+485	210,259	2,821,994
269	989		183° 53' (131° 42')			-				1409.4		-658	+738	210,047	2,822,247
270	1318		183° 16' (131° 05')			-				1412.8		-866	+993	209,939	2,822,502
271	1648		183° 07' (130° 56')			90° -				1413.6		-1080	+1245	209,625	2,822,754
272	1978		183° 09' (130° 58')			-				1412.6		-1297	+1494	209,408	2,823,003
273	2308		" " " "			-				1412.9		-1513	+1743	209,192	2,823,252
274	2638		183° 07' (130° 56')			-				1412.7		-1728	+1993	208,977	2,823,502
275	2968		183° 03' (130° 52')			-				1411.8		-1942	+2245	208,763	2,823,754
276	3295		182° 58' 41"			90° -				1409.1	TP	-2138	+2507	208,567	2,824,017
276	3295		(130° 27' 08")								TP		+		

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 12-17-82	INSTRUMENT MAN B. Cotcamp	ROD MAN O. MAMITON	PARTY NUMBER 6834	NOTES CHECKED BY D.H.	LINE NO. 8	PAGE 23	
AREA Deer Valley	TOPO MAP TECOPA-15'	STATE CALIF.	COUNTY INYO	TWP	RANGE	PPM	PARTY MANAGER L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS
												LAT.	DEP.	Y	X			
266			0° 00' 00"															
276	0				5.2	-		+5.2			X	0	0	208,567	2,824,017			
277	332		192° 48' (143° 15')			-				1405.8		-266	+199	208,301	2,824,246			
278	660		197° 01' (147° 28')			-				1403.7		-556	+355	208,011	2,824,372			
279	989		198° 54' (149° 21')			-				1400.8		-851	+504	207,716	2,824,521			
280	1319		199° 59' (150° 26')			90° -				1400.0		-1147	+651	207,420	2,824,668			
281	1649		200° 11' (150° 38')			-				1400.2		-1437	+809	207,130	2,824,826			
282	1978		200° 19' (150° 46')			-				1397.6		-1726	+966	206,847	2,824,983			
283	2308		200° 27' (150° 54')			-				1396.1		-2017	+1122	206,550	2,825,139			
284	2638		200° 19' (150° 46')			-				1396.5		-2302	+1288	206,265	2,825,305			
285	2965		200° 19' (u " ")			90° -				1395.2		-2587	+1448	205,980	2,825,465			
286	3294		200° 06' (150° 33')			-				1395.5		-2868	+1620	205,699	2,825,637			
287	3619		200° 51' (151° 18')			-				1395.1		-3174	+1738	205,393	2,825,755			
288	3949		200° 53' (151° 20')			-				1395.8		-3465	+1894	205,102	2,825,911			
289	4279		200° 53' 42"			90° -				1395.2	TP	-3755	+2052	204,812	2,826,070			
289	4279		(151° 20' 50")								TP							
276			0° 00' 00"															
289	0				5.2	-		+5.2			X	0	0	204,812	2,826,070			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-17-82		B. Cotcamp		D. Hami How		6834		D.H.		8		24				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		TECOPA - 15'		CALIF.		Inyo								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
290	330		180° 38' (151° 59')			-				1394.1		-291	+155	204,521	2,826,225	
291	660		" " " "			-				1394.1		-583	+310	204,229	2,826,380	
292	990		" " " "			90°-				1395.7		-874	+465	203,938	2,826,535	
293	1320		" " " "			-				1393.1		-1165	+620	203,647	2,826,690	
294	1650		" " (151° 59')			-				1394.9		-1457	+775	203,355	2,826,845	
295	1980		" " " "			-				1394.2		-1748	+930	203,064	2,827,000	
296	2310		186° 51' (152° 12')			-				1395.0		-2043	+1077	202,769	2,827,147	
297	2639		181° 25' (152° 46')			90°-				1395.7		-2346	+1208	202,466	2,827,278	
298	2969		181° 58' (153° 19')			-				1395.9		-2653	+1333	202,159	2,827,403	
299	3297		182° 21' (153° 42')			-				1397.4		-2956	+1461	201,856	2,827,531	
300	3626		182° 43' (154° 04')			-				1399.5		-3261	+1586	201,551	2,827,656	
301	3955		183° 01' (154° 22')			-				1402.5		-3566	+1711	201,246	2,827,781	
TP	4254		183° 12' 36"			90°-					TP	-3841	+1828	200,971	2,827,900	y=200,970 x=2827,900
TP	4254		(154° 33' 26")								TP		+2			TP 4WAY INT. Horiz CORL. y=77' x=71
289			0 00 00													
TP	0				5.2	-					TP	0	0	200,968	2,827,895	
302	32		198° 12' (172° 45')			90°-				1405.5		-323	+5	200,936	2,827,899	
303	362		183° 51' (158° 24')			" "				1408.1		-337	+133	200,631	2,828,028	

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-17-82		B. Cotcamp		D. Hamilton		6824		D.H.		8		25				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Death Valley		TECOPA-15'		CALIF.		INYO								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
304	691		182° 51' (157° 24')			90° -				1413.1		-638	+266	200,330	2,828,161	
305	1021		182° 41' (157° 14')			-				1418.2		-941	+395	200,027	2,828,290	
306	1351		182° 23' (156° 56')			-				1422.7		-1243	+529	199,725	2,828,424	
#	1512		182° 30' 20"			-										
307	1683		181° 41' (156° 14')			89° 40'				1428.3		-1540	+678	199,428	2,828,573	
308	2002		179° 41' (154° 14')			" "				1438.2		-1803	+870	199,165	2,828,765	
309	2325		177° 53' 18"			89° 40'				1445.2	TP	-2061	+1075	198,904	2,828,966	
309	2325		(152° 36' 44")								TP	-3	-4			
#			0° 00' 00"													
309	0				5.2	-					π	0	0	198,904	2,828,966	
310	330		171° 06' (143° 33')			89° -				1452.2		-265	+196	198,639	2,829,162	
311	660		" " " "			" "				1459.2		-531	+392	198,373	2,829,358	
312	990		" " " "			" "				1471.0		-796	+588	198,108	2,829,554	
313	1320		" " " "			89° -				1479.1		-1062	+784	197,842	2,829,750	
314	1650		171° 06' (143° 33')			" "				1486.2		-1327	+980	197,577	2,829,946	
315	1980		" " " "			" "				1493.2		-1593	+1176	197,311	2,830,142	
316	2310		" " " "			89° -				1505.2		-1858	+1372	197,046	2,830,338	
317	2640		" " " "			" "				1517.4		-2124	+1568	197,780	2,830,534	

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
12-17-82		B. Cotcamp		D. Hamilton		6834		D.K.		8		26				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Depth Valley		TECOPA-15'		CALIF.		INYO								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
318	2970		171° 06' (143° 33')			88° 30'				1527.9		-2389	+1765	196,515	2,830,731	
319	3300		171° 06' 12"			" "				1539.8	TP	-2653	+1960	196,248	2,830,922	
319	3300		(143° 32' 56")								TP	-3	-4			
309			0 00 00													
319	0				5.2	-		-5.2			X	0	0	196,248	2,830,922	
320	330		180° 06' (143° 39')			88° 30'				1547.0		-266	+196	195,982	2,831,118	
321	660		" " "			" "				1551.3		-532	+391	195,716	2,831,313	
322	990		" " "			" "				1561.5		-797	+587	195,451	2,831,509	
323	1320		" " "			" "				1574.5		-1063	+782	195,185	2,831,704	
324	1650		180° 06' (143° 39')			88° 30'				1587.3		-1329	+978	194,919	2,831,900	
325	1980		" " "			" "				1591.5		-1595	+1174	194,653	2,832,096	
326	2310		" " "			" "				1598.6		-1861	+1369	194,387	2,832,291	
327	2640		" " "			" "				1613.1		-2126	+1565	194,122	2,832,487	
328	2970		" " "			88° 30'				1628.4		-2392	+1760	193,856	2,832,682	
329	3300		180° 02' (143° 35')			" "				1644.4		-2656	+1959	193,592	2,832,881	
330	3628		179° 13' (142° 46')			" "				1655.5		-2889	+2195	193,359	2,833,117	
Bm	3778		178° 53' 53"			88° 30'					TP	-2994	+2302	193,251	2,833,220	
Bm	3778		(142° 26' 49")								TP	-3	-4			

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 12-17-82	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY D.H.	LINE NO. 8	PAGE 27
AREA Death Valley	TOPO MAP Tecopa - 15'	STATE CALIF.	COUNTY Inyo	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.	
319			0 00 00							1660.0	K1			u.s.g.s Bm El. 1660.0
Bm	0				+ 4.7	Hi		+ 4.7	1664.7		X	0	0	193,251 2,833,220
331	183		155° 21' (117° 48')		9.2	88° 30'	+ 4.8	- 4.4		1660.3		- 85	+ 162	193,166 2,833,382
332	510		160° 15' (122° 42')		12.5	88° 30'	+ 13.3	+ 0.8		1665.5		- 276	+ 429	192,975 2,833,649
333	838		163° 51' (126° 18')		10.8	88° 50'	+ 17.1	+ 6.3		1671.0		- 496	+ 675	192,755 2,833,895
334	1161		167° 32' (129° 59')		9.1	88° 50'	+ 23.6	+ 14.5		1679.2		- 746	+ 890	192,505 2,834,110
335	1484		170° 20' (132° 47')		7.3	88° 30'	+ 38.8	+ 31.5		1696.2		- 1008	+ 1089	192,243 2,834,309
336	1814		170° 01' (132° 28')		7.9	88° 20'	+ 52.7	+ 44.8		1709.5		- 1225	+ 1338	192,026 2,834,558
337	2125		166° 36' 06"		8.7	88° 30'	+ 55.7	+ 47.0			TP	- 1338	+ 1650	191,910 2,834,868
337	2125		(129° 02' 55")		8.4	271° 30'	+ 55.7	+ 47.3	+ 47.2	1711.9	TP	- 3	- 2	
Bm			0 00 00											
337	0				+ 5.3	Hi		+ 5.3	1717.2		X	0	0	191,910 2,834,868
338	330		157° 12' (106° 15')		8.0	89° 10'	+ 4.8	- 3.2		1714.0		- 92	+ 317	191,818 2,835,185
If	525		155° 32' 05" (104° 34' 03")		11.1	89° 10'	+ 7.6	- 3.5		1713.7	If			
339	660		157° 12' (106° 15')		10.8	89° 10'	+ 9.6	- 7.2		1716.0		- 185	+ 634	191,725 2,835,502
340	990		" " " "		7.2	89° 10'	+ 14.4	+ 7.2		1724.4		- 277	+ 950	191,633 2,835,818
341	1320		" " " "		3.8	89° 10'	+ 19.2	+ 15.4		1732.6		- 369	+ 1267	191,541 2,836,135
342	1650		156° 30' (105° 33')		8.9	88° 50'	+ 33.6	+ 26.7		1743.9		- 442	+ 1590	191,468 2,836,458

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-17-82		B. Cotcamp		D. Hamilton		6834		D.H.		8		28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Tecopa-1S		CALIF.		Inyo								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
									1717.2						
343	1975		154° 37' (103° 40')		8.2	88° 40'	+45.9	+37.7		1754.9		-467	+1919	191,443	2,836,787
344	2301		153° 12' (102° 15')		8.4	88° 40'	+53.5	+45.1		1762.3		-488	+2249	191,422	2,837,117
345	2628		152° 08' (101° 11')		11.8	88° 36'	+68.8	+57.0		1774.2		-510	+2578	191,400	2,837,446
346	2955		151° 36' (100° 39')		12.0	88° 36'	+72.2	+60.2		1777.4		-546	+2904	191,364	2,837,772
347	3283		152° 06' (101° 09')		8.8	88° 36'	+80.2	+71.4		1788.6		-635	+3221	191,275	2,838,089
348	3610		152° 43' (101° 46')		10.2	88° 30'	+94.5	+84.3		1801.5		-736	+3534	191,174	2,838,402
349	3938		153° 14' (102° 17')		7.0	88° 30'	+103.5	+96.1		1813.3		-838	+3848	191,072	2,838,716
350	4267		153° 42' 22"		11.6	88° 26'	+117.0	+105.4			TP	-942	+4160	190,965	2,839,028
350	4267		(102° 45' 17")		11.3	271° 34'	+117.0	+105.7	105.6	1822.8	TP				
337			0 00 00												
350	0				+5.1	41		+5.1	1827.9		TP	0	0	190,965	2,839,028
351	330		193° 49' (116° 34')		5.1	89° 10'	+4.8	-0.3		1827.6		-148	+295	190,917	2,839,323
352	659		195° 25' (118° 10')		6.8	89° 10'	+9.6	+2.8		1830.7		-311	+581	190,654	2,839,609
353	989		196° 09' (118° 54')		7.9	89° 10'	+14.4	+6.5		1834.4		-478	+866	190,487	2,839,894
354	1319		196° 25' (119° 10')		9.6	89° 10'	+19.2	+9.6		1837.5		-643	+1152	190,332	2,840,189
355	1649		196° 40' (119° 25')		12.6	89° 10'	+24.0	+11.4		1839.3		-810	+1436	190,155	2,840,464
356	1979		196° 48' (119° 33')		12.0	89° 10'	+28.8	+16.8		1844.7		-976	+1722	189,989	2,840,750
357	2309		196° 54' (119° 39')		11.0	89° 10'	+33.6	+22.6		1850.5		-1142	+2007	189,823	2,841,039
358	2640		197° 00' (119° 45')		12.0	89° 10'	+38.4	+26.4		1854.3		-1310	+2292	189,655	2,841,329

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE 12-17-82	INSTRUMENT MAN B. Cotcamp	ROD MAN D. Hamilton	PARTY NUMBER 6834	NOTES CHECKED BY D.A.	LINE NO. 8	PAGE 29
AREA Deer Valley	TOPO MAP Tecopa - 15'	STATE CALIF.	COUNTY Inyo	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	
									1827.9							
359	2969		197° 05' (119° 50')		12.0	89° 10'	+43.2	+31.2		1859.1		-1477	+2576	189,488	2841,694	
360	3299		197° 08' (119° 53')		9.0	89° 14'	+42.2	+33.2		1861.1		-1644	+2860	189,321	2,841,888	
361	3629		197° 10' (119° 55')		7.7	89° 14'	+46.5	+38.8		1866.7		-1810	+3145	189,155	2,842,173	
362	3959		" " " "		9.2	89° 14'	+50.7	+41.5		1869.4		-1975	+3431	188,990	2,842,459	
363	4289		197° 09' 53"		10.6	89° 10'	+62.8	+52.2			TP	-2139	+3717	188,823	2,842,745	
363	4289		(119° 55' 10")		10.1	270° 50'	+62.8	+52.7	+52.5	1880.4	TP	-3				
350			0 00 00													
363	0				+ 5.1	Hi		+5.1	1885.5		X	0	0	188,823	2,842,745	
364	330		180° 56' (120° 51')		5.0	89° 10'	+4.8	-0.2		1885.3		-169	+283	188,654	2,843,028	
365	660		180° 16' (120° 05')		6.0	89° 10'	+9.6	+3.6		1889.1		-331	+571	188,492	2,843,316	
366	989		176° 51' (116° 46')		5.9	89° 10'	+14.4	+8.5		1894.0		-445	+883	188,378	2,843,628	
BM	941		180° 45' 44" (120° 57")		5.5	89° 10'	+13.7	+8.2		1893.7	Bm					Bm U.S.G.S EL. 1894.0
367	1313		173° 51' (113° 46')		7.6	89° 10'	+19.1	+11.5		1897.0		-529	+1202	188,299	2,843,947	
368	1640		172° 05' (112° 00')		8.8	89° 10'	+23.8	+15.0		1900.5		-614	+1521	188,209	2,844,266	
369	1967		170° 50' (110° 45')		9.1	89° 10'	+28.6	+19.5		1905.0		-697	+1839	188,126	2,844,584	
370	2296		169° 54' (109° 49')		12.0	89° 14'	+29.4	+17.4		1902.9		-778	+2160	188,045	2,844,905	
371	2624		169° 20' (109° 15')		11.0	89° 14'	+33.6	+22.6		1909.1		-865	+2477	187,958	2,845,222	
372	2954		168° 56' (108° 51')		11.7	89° 10'	+43.0	+31.3		1916.8		-954	+2796	187,869	2,845,541	

SURVEY NOTES-HIGH RESOLUTION DATA
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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
12-17-82		B. Cotcamp		D. Hamilton		6834		D.H.		8		30			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Death Valley		Tecopa - 15'		CALIF.		Inyo								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
									1885.5						
373	3283		168° 29' (108° 24')		10.0	89° 10'	+47.7	+37.7		1923.2		-1036	+3115	187,787	2845,860
374	3612		168° 09' (108° 04')		8.8	89° 10'	+52.5	+43.7		1929.2		-1120	+3434	187,703	2846,179
375	3942		167° 47' 34"		7.7	89° 10'	+57.8	+50.0			TP	-1199	+3755	187,621	2,846,500
375	3942		(107° 42' 44")		7.4	270° 50'	+57.8	+50.4	+502.3	1935.7	TP	-3			
363			0° 00' 00"												
375	0				+5.4	-		+5.4	1941.1		X	0	0	187,621	2,846,500
376	330		176° 51' (104° 34')		7.1	88° 30'	+8.6	+1.5		1942.6		-83	+319	187,538	2,846,819
377	660		" " " "		6.3	88° 30'	+17.3	+11.0		1952.1		-166	+639	187,455	2,847,139
378	990		" " " "		6.1	88° 30'	+25.9	+19.8		1960.9		-249	+958	187,372	2,847,458
379	1320		" " " "		6.4	88° 30'	+34.5	+28.1		1969.2		-332	+1278	187,289	2,847,778
380	1650		176° 51' (104° 34')		5.0	88° 30'	+43.2	+38.2		1979.3		-415	+1597	187,206	2,848,097
381	1980		" " " "		5.8	88° 30'	+51.8	+46.0		1987.1		-498	+1916	187,123	2,848,416
382	2310		" " " "		4.0	88° 30'	+60.5	+56.5		1997.6		-581	+2236	187,040	2,848,736
383	2640		" " " "		11.6	88° 20'	+76.7	+65.1		2006.2		-664	+2555	186,957	2,849,055
384	2920		176° 51' (104° 34')		9.3	88° 20'	+86.3	+77.0		2018.1		-747	+2875	186,874	2,849,375
385	3300		" " " "		4.3	88° 20'	+95.9	+91.6		2032.7		-830	+3194	186,791	2,849,694
386	3630		" " " "		9.6	88° 16'	+116.1	+106.5		2047.6		-913	+3513	186,708	2,850,013
387	3960		" " " "		9.8	88° 04'	+133.5	+123.7		2064.8		-996	+3833	186,625	2,850,333

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
12-17-82		B. Cotnam		D. Hamilton		6834		R. D.		8	31				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Death Valley		TECOPA-15'		CALIF.		INYO					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
									1941.1						
388	4290		176° 51' (104° 34')		8.9	88° -	+149.6	+140.7		2081.8		-1079	+4152	186,542	2,850,652
389	4620		176° 43' (104° 26')		7.3	88° -	+161.1	+153.8		2094.9		-1152	+4474	186,469	2,850,974
TP	4926		176° 19' 08"		10.6	88° -	+172.4	+161.8			TP	-1194	+4776	186,424	2,851,276
TP	4926		(104° 01' 52")		10.5	272° -	+172.4	+161.9		2103.0	TP	-3			
375			0 00 00												
TP	0				+5.15	H.		+5.15	2108.2		X	0	0	186,424	2,851,276
390	25		169° 27' (93° 29')		4.4	-		-4.4		2103.8		-2	+25	186,422	2,851,301
391	353		158° 51' (82° 53')		7.1	88° -	+12.3	+5.2		2113.4		+44	+350	186,468	2,851,626
392	680		152° 08' (76° 10')		8.3	88° -	+23.7	+15.4		2123.6		+163	+660	186,587	2,851,936
393	1005		148° 49' (72° 51')		10.6	88° -	+35.1	+24.5		2132.7		+296	+960	186,720	2,852,236
394	1332		147° 02' (71° 04')		9.1	88° 10'	+42.6	+33.5		2141.7		+432	+1260	186,856	2,852,536
395	1659		146° 06' (70° 08')		12.9	88° -	+57.9	+45.0		2153.2		+564	+1560	186,988	2,852,836
396	1993		146° 35' (70° 37')		10.9	88° -	+69.5	+58.6		2166.8		+661	+1880	187,088	2,853,156
Bm	2188		150° 10' 42"		13.8	88° -	+76.5	+62.7		2170.9	TP	+595	+2104	187,045	2,853,380
Bm	2188		(74° 12' 34")		7.5	88° 10'	+70.1	+62.6			TP				

E.O.L (LINE #8)
 Y=187,015 X=2,853,380
 Bm U.S.G.S EL. 2172.0
 Horiz CORR. Y-41
 X-30