

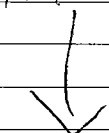
DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-20-85		B. Cotcamp		A. SALDIVAR		6834		b		2		1A			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDAMO				ID.										W. GASS, dy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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	230				7.1	87°	+12.0	+4.9			TP				
	217				+6.9	93°	+11.4	+18.3			BS				
	0				5.1	-	-	-5.1			X				
TP	279				6.6	86°	+19.5	+12.9							
	483				+9.5	95°	+42.1	+51.6							
	0				5.1	-	-	-5.1			X				
TP	142				4.2	86°	+9.9	+5.7			TP				
	451				+6.6	95°	+39.3	+45.9							
	0				5.1	-	-	-5.1			X				
	106				0.6	88°	+3.7	+3.1							
Tr.	Tr. - STA.	BLACK	mountain						6096.0		Tr.	ELEVATION TRAVERSE to		ELEVATION	
	48				+1.4	88°	-1.7	-0.3	6095.7		BS	LINE		TRAVERSE	
	0				+2.2	-	-	-							
	3864.32	roll over E.D.M.	10425.9	10.1	12.3	99 29 16	-1718.6	-1728.7							
	3864.30			10.3	12.5	260 30 43	-1718.6	-1728.9		4367.0	TP				
				9.8	12.0	99 29 23	-1718.9	-1728.7	-1728.7						
				10.0	12.2	260 30 44	-1718.6	-1728.6							
	213				+13.2	83 20	-24.7	-11.5	4355.5		BS				
	0				5.1	-	-	-5.1			X				
TP	339				5.0	95 20	-31.5	-36.5		4319.0	TP				

Re-run on line

ELEVATION TRAVERSE to LINE
↓
ELEVATION TRAVERSE to LINE STA. 285+TP
↓

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8-20-85		B. C. Camp		B. S. ...		6834		W		2	2A				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER			
Idaho				Id		Boundary						W. Cassidy			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS π TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
BS	498				+10.0	89° 30'	-4.3	+5.7	4324.7	4319.0	BS				
TP	0				5.1	-		-5.1			π				ELEVATION TRAVERSE
TP	244				4.5	89° 10'	+3.5	-1.0		4323.7	TP				
BS	71				+5.5	/		+5.5	4329.2		BS				to LINE
TP	0				5.1	-		-5.1			π				
TP	224				2.0	-		-2.0		4327.2	TP				
BS	142				+8.0	/		+8.0	4335.2		BS				FROM
TP	0				5.1	-		-5.1			π				
TP	182				4.1	88° -	+6.4	+2.3		4337.5	TP				
BS	387				+13.4	-		+13.4	4350.9		BS				TRI-STAN
TP	0				5.1	-		-5.1			π				
TP	307				3.2	89° -	+5.4	+2.2		4353.1	TP				
BS	440				+14.1	90° 34'	+7.4	+18.5	4371.6		BS				↓
TP	0				5.1	-		-5.1			π				
TP	196				8.8	87° 30'	+8.5	-0.3		4371.3	TP				
BS	489				+8.4	91° 30'	+12.8	+21.2	4392.5		BS				
TP	0				5.1	-		-5.1			π				
TP	678				8.9	88° 10'	+21.7	+12.8		4405.3					
	136				+10.3	-		+10.3	4415.6		BS				
	0				5.1	/		-5.1			π				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-20-85		B. Cotcamp		B. SALDIVAR		6834		✓		2		3A			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho				ID.		Boundary								W. CASS, Dy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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	235				5.3	88°	+8.2	+2.9	4415.6	4418.5	TP				
BS	152				+9.7	91°	+2.7	+12.4	4430.9		BS				
X	0				5.1	-		-5.1			X				ELEVATION
TP	223				5.5	89°	+3.9	-1.6		4429.3	TP				
BS	203				+8.8	91°	+3.5	+12.3	4441.6		BS				TRAVERSE
X	0				5.1	-		-5.1			X				
TP	156				5.6	88°	+5.4	-0.2		4441.4	TP				TO
BS	672				+8.7	91°30'	+17.6	+26.3	4467.7		BS				
X	0				5.1	-		-5.1			X				LINE
TP	447				6.8	87°30'	+19.5	+12.7		4480.4	TP				
BS	399				+10.5	90°10'	+11.2	+11.7	4492.1		BS				FROM
X	0				5.1	-		-5.1			X				
TP	268				8.5	88°10'	+8.6	+0.1		4492.2	TP				TRI-STN.
	203				+14.2	BM	+1.0	+15.2	4507.4		BS				
X	0				5.1	-		-5.1			X				
TP	554				12.0	88°	+19.3	+7.3		4514.7	TP				
	250				+13.2	TH	-1.3	+11.9	4526.6		BS				
	0				5.1	-		-5.1			X				
TP	165				1.9	89°	+2.9	+1.0		4527.6	TP				
	288				+11.9	-		+11.9	4539.5		BS				



SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8-20-85	INSTRUMENT MAN B. Cotamp	ROD MAN B. SALDIVAR	PARTY NUMBER 6834	NOTES CHECKED BY K	LINE NO. 2	PAGE 4A
AREA Idaho	TOPO MAP	STATE Id	COUNTY Boundary	TWP	RANGE	PPM
PARTY MANAGER W. CASSIDY						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									4539.2					
π	0				5.1	-		-5.1			π			
TP	223				10.3	87-	+11.7	+1.4		4540.9	TP			
	130				+8.1	-		+8.1	4549.0		BS			
π	0				5.1	-		-5.1			π			
TP	373				10.2	88-	+13.0	+2.8		4551.8	TP			
	327				+3.9	92-	+11.4	+15.3	4567.1		BS			
π	0				5.1	-		-5.1		4562.0	π			ONLINE SAME π
TP	461				6.0	88-	+6.1	+10.1		4577.2	TP			SAME T.P. AS ONE PAST STA 285. * EL. 4577.5

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-11-85		B. Cotcamp		K. Greenfield		6834		B. CW		2		1			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDaho		Roman Nose - 7 1/2'		IDaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
TK	Elevation	J-trail	north		EL. 5407.0					5407.0					
IK	184				+3.2	-		+3.2	5410.2						
II	184				+4.2	TH	-0.9	+3.1							
H	40				3.9	-		-3.9		5406.3					
X	0				5.1	-		-5.1		5405.1	X				
TP	1087				4.7	92°30'	-47.4	-52.1		5358.1	TP				
TP	1087				7.9	92°20'	-44.3	-52.2			TP				
	1002				+4.7	84°50'	-90.2	-85.5	5272.6		BS				
	1002				+4.8	275°10'	-90.2	-85.4			BS				
X	0				5.1	-		-5.1			X				
TP	523				7.8	95°20'	-48.6	-56.4		5216.2	TP				
TP	523				9.3	95°10'	-47.1	-56.4			TP				
	849				+5.4	83°10'	-101.0	-95.6	5120.6		BS				
	849				+7.9	83°	-103.5	-95.6			BS				
X	0				5.1	-		-5.1			X				
TP	767				12.3	96°30'	-86.8	-99.1		5021.5	TP				
TP	767				10.0	96°40'	-89.6	-99.0			TP				
	805				+5.3	83°30'	-91.1	-85.8	4935.7		BS				
	805				+7.6	83°20'	-93.5	-85.9			BS				
X	0				5.1	-		-5.1			X				
	122				4.8	97°	-14.9	-19.7		4911.0	TP				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-6-85		B. Colcamp		K. Greenfield		6834		B. C. W.		2		2			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
w) IDAHO		Roman Nose/Dodge Peak		IDAHO		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
										4916.0					
	3942		40 24 45		+12.0	98 32	+584.9	+596.9	5513.0		BS				
	3942				+12.3	261 28	+584.9	+597.2	+597.03		BS				
π	0				5.1	-		-5.1		5507.9					
TP	805		171 48 55		10.5	87 -	+42.1	+31.6		5544.6	TP				
TP	805				10.4	213 -	+42.1	+31.7							
	759		349 09 46		+3.0	87 30	-33.1	-30.1	5514.5						
	759				+5.2	87 20	-35.3	-30.1							
π	0				5.1	-		-5.1		5509.4	π	0	0		
⊕	488		167 16	+20.3	9.7	99 10	-77.7	-87.4		5427.1	K	+478	+63	2,538,723 306,393 (scaled) y - 2,538,245 x - 306,330	
1	786	780.1	166 05	--	6.3	97 -	-95.8	-102.1		5412.4		-775	-87	2,537,948 306,306 K Horizontal Creek crossing	
TP	846	840.6	164 28 03	--	10.3	96 30	-95.8	-106.1		5408.4	TP	-838	-70	2,537,885 306,323	
TP	846				10.4	263 30	-95.8	-106.2			TP				
	1911	1907.1	301 48 45	+20.3	+9.2	86 20	-122.2	-113.0	5295.5		BS	-1505	+1171		
	1911				+9.5	273 40	-122.2	-112.7	-112.93		BS				
2	1658	1654.3	304 05	--	5.9	86 10	+110.8	+104.9		5400.4		+1345	-963	2,537,725 306,531	
3	1355	1351.7	308 05	--	7.1	86 -	+94.5	+87.4		5382.9		+1151	-709	2,537,531 306,785	
4	1065	1062.4	315 35	--	7.2	86 -	+74.3	+67.1		5362.6		+970	-434	2,537,350 307,060	
5	742	739.5	319 30	--	8.5	85 20	+60.4	+51.9		5347.4		+694	-255	2,537,074 307,239	
6	415	414.3	321 25	--	6.3	86 36	+24.6	+18.3		5313.8		+393	-130	2,536,773 307,364	
7	88		311 50	--	11.8	86 40	+5.1	-6.7		5288.8		+78	-41	2,536,458 307,453	

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-6-85		B. Cotcamp		K. Greenfield		6834		B.C.K.		2		3			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDAMO				Ida.		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									5295.5						
π	0				5.1	-		-5.1		5290.4	π	0	0	2,536,380	307,494
8	236	234.4	134° 05'	+20.3	8.0	96° 40'	-27.4	-35.4		5260.1		-211	+101	2,536,169	307,595
9	564	560.4	132° 10'	--	5.1	96° 30'	-63.8	-68.9		5226.6		-497	+259	2,535,883	307,753
TP	682	671.4	130° 37' 58"	--	4.7	96° 30'	-77.2	-81.9		5213.6	TP	-592	+329	2,535,788	307,823
TP	682				6.6	96° 20'	-75.2	-81.8			TP				
	211	209.7	259° 38' 39"	--	5.6	83° 40'	-23.3	-17.7	5195.9		BS	-36	+207		
	211				5.0	83° 50'	-22.7	-17.7			BS				
10	0				5.1	-		-5.1		5190.8	π	0	0	2,535,752	308,030
11	321	319.8	33° 50'	+20.3	12.0	95° -	-28.0	-40.0		5155.9		+187	+259	2,535,939	308,289
12	632	627.9	39° 40'	--	7.0	96° 30'	-71.5	-78.5		5117.4		+314	+544	2,536,066	308,574
13	876	870.4	56° 15'	--	12.2	96° 30'	-99.2	-111.4		5084.5		+202	+847	2,535,954	308,877
14	1153	1145.6	66° 15'	--	7.0	96° 30'	-130.5	-137.5		5058.4		+69	+1144	2,535,821	309,174
15	1446	1437.2	73° 31' 42"	--	6.3	96° 20'	-159.5	-165.8			TP	-96	+1434	2,535,656	309,464
15	1446				6.5	263° 40'	-159.5	-166.0	5005.8	5030.0	TP				
	329	327.8	287° 47' 45"	+20.3	4.5	85° -	-28.7	-24.2	5005.8		BS	-202	+258		
	329				3.5	85° 10'	-28.7	-24.2			BS				
16	0				5.1	-		-5.1		5000.7	π	0	0	2,535,454	309,722
17	321	319.3	96° 10'	--	6.7	95° 50'	-32.6	-39.3		4966.5		-142	+286	2,535,312	310,008
TP	455	452.6	94° 55' 45"	--	9.0	95° 50'	-46.2	-55.2			TP	-193	+409	2,535,261	310,131
TP	455				9.1	264° 10'	-46.2	-55.3		4950.5	TP				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-9-85		B. Cotcamp		K. Greenfield		6834		B.C. K		2		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		1		Idaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									4950.5						
	1948	1939.0	288° 04' 42"	+20.3	12.2	84° 30'	-186.7	-174.5	4776.1		BS	-1204	+1520		
	1948				+12.5	275° 30'	-186.7	-174.2	-174.2		BS				
18	1768	1760.8	290° 10'	-	8.2	84° 50'	+159.2	+151.0		4927.1		+1143	-1340	2,535,200	310,311
19	1445	1439.7	292° 06'	-	7.2	85° 06'	+123.4	+116.2		4892.3		+971	-1063	2,535,028	310,588
20	1121	1117.5	294° 10'	-	9.4	85° 30'	+88.0	+78.6		4854.7		+783	-798	2,534,840	310,853
21	809	806.9	300° 35'	-	6.7	85° 50'	+58.8	+52.1		4828.2		+626	-509	2,534,683	311,142
22	486	485.3	303° -	-	5.8	86° 50'	+26.8	+21.0		4797.1		+389	-290	2,534,446	311,361
23	166		314° 10'	-	7.8	86° 50'	+9.2	+1.4		4777.5		+150	-72	2,534,207	311,579
π	0				5.1	-		-5.1		4771.0	π	0	0	2,534,057	311,651
24	185		79° 40'	+20.3	6.3	90° 30'	-16	-7.9		4768.2		-32	+182	2,534,025	311,833
TP	274		81° 50' 15"	-	14.2	89° 10'	+4.0	-10.2		4765.9	TP	-58	+268	2,533,999	311,919
TP	274				14.3	270° 50'	+4.0	-10.3			TP				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-9-85		B. Cotcamp		K. Greenfield		6834		B.C. Lee		2		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDAHO				IDA.		Boundary								W. Cassidy	
STATION NO.	SLOPE 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
										4765.9					
	804		225 30 42	+20.34	6.4	88° 30'	-21.0	-14.6	4751.3		BS	+329	+733		
	804			+8.8		88° 20'	-23.4	-14.6		BS					
25	562		227 -	-	6.0	88° 30'	+14.7	+8.7		4760.0		-217	-518	2534,111	312,134
24	237		226 10	-	7.1	88° 30'	+6.2	-0.9		4750.4		-95	-217	2534,233	312,435
π	0				5.1	-		-5.1		4746.2	π	0	0	2534,328	312,652
27	84		65 35	-	4.9	96 -	-8.8	-13.7		4737.6		+6	+84	2534,334	312,736
28	402	400.5	47° 40	-	6.1	95 -	-35.0	-41.1		4710.2		+150	+371	2534,478	313,023
TP	567	564.8	47° 14 33	-	4.9	95 -	-49.4	-54.3		4697.0	TP	+216	+522	2534,544	313,174
TP	567				8.2	94 40	-46.1	-54.3			TP				
	1428	1422.9	221 44 43	+20.3	+10.9	85° 10'	-120.3	-109.4	4587.6		BS	+667	+1257		
	1428			+11.0		77 50	-120.3	-109.3		BS					
29	1267	1262.2	223 20	-	11.2	85 -	+110.4	+99.2		4686.8		-561	-1131	2534,650	313,300
30	946	941.6	227 -	-	4.8	84 30	+90.7	+85.9		4673.5		-363	-869	2534,848	313,562
31	651	647.6	236 10	-	7.1	84 10	+66.2	+59.1		4646.7		-152	-630	2535,059	313,801
#	550	547.2	237 48 36	-	7.3	84 10	+55.9	+48.6		4636.2	#	-113	-535	2535,098	313,896
32	325	323.3	238 20	-	4.8	84 10	+33.0	+28.2		4615.8		-64	-317	2535,147	314,114
33	0				5.1	-		-5.1		4582.5	π	0	0	2535,211	314,431
34	329	327.8	61 05	+20.3	3.2	95 -	-28.7	-31.9		4555.7		+49	+324	2535,260	314,755
35	655	653.4	64 -	-	20.1	94 -	-45.7	-65.8		4521.8		+65	+650	2535,276	315,081
36	864	858.5	81 40	-	6.8	96 30	-97.8	-104.6		4483.0		-178	+840	2535,033	315,271

y=2534370 x=312,640
5 chains to corner
north

y=2535,105 x=313,900
creek crossing

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-9-85		B. Cotamp		K. Greenfield		6834		B.C. h		2		7			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDaho				IDaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
										4141.5					
	152	150.3	305° 01' 46"	+20.3	8.0	81° 30'	-22.5	-14.5	4127.1		BS	-124	+86		
	152				+7.7	81° 40'	-22.6	-14.3	4127.3		BS				
	π	0			5.1	-		-5.1		4122.0	π	0	0	2,534,332	317,270
45	176	175.0	146° -	-	6.4	96° -	-18.4	-24.8		4102.3		-170	+41	2,534,162	317,311
TP	212	210.8	143° 36' 00"	-	6.1	96° -	-22.2	-28.3			TP	-203	+58	2,534,129	317,328
TP	212				6.2	264° -	-22.2	-28.4		4098.7	TP				
	408	405.0	296° 22' 38"	+20.3	12.4	83° -	-49.7	-37.3	4061.4		BS	-295	+278		
	408				+11.2	83° 10'	-48.5	-37.3			BS				
46	117	116.1	287° 10'	-	5.8	83° -	+14.3	+8.5		4069.9		+71	-92	2,533,905	317,514
	π	0			5.1	-		-5.1		4056.3	π	0	0	2,533,834	317,606 mag. 2
47	210	208.9	123° 25'	-	5.2	96° -	-22.0	-27.2		4034.2		-168	+124	2,533,666	317,730
TP	322	320.2	122° 47' 58"	-	5.7	96° -	-33.7	-39.4		4022.0	TP	-256	+192	2,533,578	317,798
TP	322				4.7	96° 10'	-34.6	-39.3			TP				
	413	412.0	318° 51' 52"	-	+6.7	86° -	-28.8	-22.1	3999.9		BS	-385	+147		
	413				+5.6	86° 10'	-27.6	-22.0			BS				
48	197		316° 10'	+20.3	6.9	86° 20'	+12.6	+5.7		4005.6		+181	-79	2,533,374	317,866
	π	0			5.1	-		-5.1		3994.8	π	0	0	2,533,193	317,945
49	131		121° 15'	-	5.4	95° 40'	-12.9	-18.3		3981.6		-103	+81	2,533,090	318,026
TP	443	439.2	118° 04' 10"	-	8.1	97° 30'	-57.8	-65.9		3934.0	TP	-328	+292	2,532,865	318,237
TP	443				9.4	97° 20'	-56.5	-65.9			TP				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-9-85		B. Cotamp		K. Greenfield		6834		B.C.W.		2		8			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDAHO				W IDAHO		Boundary								W. Cassidy	
STATION NO.	SLOPE 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
										3934.0					
	666	42.4	286° 52' 19"	+20.3	9.1	84° -	-69.6	-60.5	3873.5		BS	-400	+528		
	666				+7.1	84° 10'	-67.7	-60.6			BS				
50	653	649.2	286° 30'	-	10.5	83° 50'	+70.1	+59.6		3933.1		+389	-520	2,532,854	318,245
51	324	322.4	286° 10'	-	6.9	84° 20'	+32.0	+25.1		3898.6		+192	-259	2,532,657	318,506
52	0				5.1	-		-5.1		3868.4	TP	0	0	2,532,465	318,765
TP	288	286.9	92° 18' 16"	-	7.0	95° -	-25.1	-32.1		3841.4	TP	-110	+265	2,532,355	319,030
TP	288				6.1	95° 10'	-25.9	-32.0			TP				
	125	123.8	304° 25' 31"		+5.3	82° -	-17.4	-12.1	3829.3		BS	-101	+71		
	125				+4.9	82° 10'	-17.0	-12.1			BS				
53	77		299° 20'	-	5.8	83° 20'	+8.9	+3.1		3832.4		+59	-50	2,532,313	319,051
TP	0				5.1	-		-5.1		3824.2	TP	0	0	2,532,254	319,101
54	252		142° -	+20.3	4.8	93° 20'	-14.7	-19.5		3809.8		-240	+77	2,532,014	319,178
TP	318		139° 31' 20"	-	2.5	93° 20'	-18.5	-21.0		3808.3	TP	-298	+110	2,531,956	319,211
TP	318				3.4	93° 10'	-17.6	-21.0			TP				
	206		284° 24' 10"	-	+6.0	84° 30'	-19.7	-13.7	3794.6		BS	-117	+169		
	206				+6.6	84° 20'	-20.3	-13.7			BS				
TP	0				5.1	-		-5.1		3789.5	TP	0	0	2,531,839	319,380
55	53		133° -	-	5.4	96° -	-5.5	-10.9		3783.7		-47	+24	2,531,792	319,404
56	382	380.6	131° -	-	6.7	95° -	-33.3	-40.0		3754.6		-334	+183	2,531,505	319,563

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-9-85		B. Cotcamp		K. Greenfield		6834		B.C.W.		2		9			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDAHO		NAPLES-7 1/2		IDAHO		BOUNOARY								D. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									3794.6						
TP	480	478.2	129 57 27	+20.3	10.3	95°	-41.8	-52.1		3742.5	TP	-415	+237	2,531,424	319,617
TP	480				10.4	265°	-41.8	-52.2			TP				
	303	300.7	301 59 34	-	5.8	83°	-36.9	-31.1	3711.4		BS	-238	+184		
	303				4.9	83° 10'	-36.1	-31.2			BS				
57	73		297 25	--	5.1	83° 30'	+8.3	+3.2		3714.6		+54	-49	2,531,240	319,752
X	0				5.1	-		-5.1		3706.3	X	0	0	2,531,186	319,801
58	255	253.4	99 50	--	7.4	96° 30'	-28.9	-36.3		3675.1		-127	+219	2,531,059	320,020
TP	503	501.1	99 37 18	--	4.4	95°	-43.8	-48.2		3663.2	TP	-250	+434	2,530,936	320,235
TP	503				5.8	94° 50'	-42.4	-48.2			TP				
	247		331 52 04	+20.3	7.7	88°	-8.6	-0.9	3662.3		BS	-245	+34		
	247				6.9	88° 10'	-7.9	-1.0			BS				
59	150		333 -	-	4.8	88° 10'	+4.8	±0.0		3662.3		+149	-18	2,530,870	320,251
X	0				5.1	-		-5.1		3657.2	X	0	0	2,530,691	320,269
60	180		82 20	-	5.7	94° 10'	-13.1	-18.8		3643.5		-39	+176	2,530,652	320,445
TP	359	358.1	81 10 04	-	2.9	94° 10'	-26.1	-29.0		3633.3	TP	-71	+351	2,530,620	320,620
TP	359				6.1	93° 40'	-23.0	-29.1			TP				
	250		300 19 46	+20.3	10.0	86° 30'	-15.3	-5.3	3628.0		BS	-193	+158		
	250				10.7	86° 20'	-16.0	-5.3			BS				
61	98		298 30	-	5.4	85° 10'	+8.3	+2.9		3630.9		+73	-64	2,530,506	320,714
X	0				5.1	-		-5.1		3622.9	X	0	0	2,530,427	320,778

By 2,530,435 x -320,730
OLD BND. ground over

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-9-85		B. Cotcamp		K. Greenfield		6834		B.C. W		2		10				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Idaho		NAPLES - 7 1/2'		Idaho		Bounded								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									3628.0							
62	225		117° 55'	+20.3	8.1	93° 30'	-13.7	-21.8		3606.2		-168	+150	2530.259	320.928	OLD ROAD GRADE
TP	236		117° 00' 46"	--	7.2	93° 30'	-14.4	-21.6		3606.4	TP	-173	+160	2530.254	320.938	-
TP	236				6.5	93° 40'	-15.1	-21.6			TP					-
	319	317.1	334° 50' 03"	--	+12.3	83° 40'	-35.2	-22.9	3583.5		BS	-316	+27			-
	319				+12.4	276° 20'	-35.2	-22.8			BS					
63	0				5.1	-		-5.1		3578.4	X	0	0	2529.938	320.965	↓
TP	188	186.3	139° 19' 00"	--	12.6	97° 50'	-25.6	-38.2		3545.3	TP	-175	+65	2529.763	321.030	
TP	188				10.9	98° 20'	-27.2	-38.1			TP					
	278		293° 16' 39"	+20.3	+4.8	-		+4.8	3550.1		BS	-192	+201			
	278				+6.1	74	-1.4	+4.7			BS					
#	199		289° 02' 16"	--	12.8	BH	-1.0	-13.8		3536.3	#	+126	-154	2529.697	321.077	y=2529.620 x=321.145 # creek back on road
64	148		286° 25'	--	8.8	-		-8.8		3541.3		+88	-119	2529.659	321.112	
Y/x	0				5.1	-		-5.1		3545.0	X	0	0	2529.571	321.231	y=2529.515 x=321.225 Y/x - Inter. El. 35450
65	180		139° 30'	+20.3	12.2	-		-12.2		3537.9		-169	+62	2529.402	321.293	
TP	281		129° 29' 52"	--	12.6	-		-12.6		3537.5	TP	-243	+141	2529.328	321.372	
TP	281				11.2	BH	-1.4	-12.6			TP					
	559		239° 16' 48"	+20.0	8.5	87°	-29.3	-20.8	3516.7		BS	+105	+548			
	559				+6.8	87° 10'	-27.6	-20.8			BS					
66	371		240° 05'	--	6.4	89°	+6.5	±0.1		3516.8		-64	-365	2529.369	321.555	
67	48		213° 50'	--	6.6	-		-6.6		3510.1		-28	-39	2529.405	321.881	

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-9-85		B. Cotcamp		K. Greenfield		6834		B.C.W		2		11			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDAHO		NAPLES-7 1/2'		IDAHO		Boundary								W. Cassidy	
STATION NO.	SLOPE 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
									3516.7						
TP	0				5.1	-		-5.1		3511.6	TP	0	0	2,529,433	321,920
68	300		95 10'	+20.0	6.6	93 -	-15.7	-22.3		3494.4		-128	+272	2,529,365	322,192
TP	388		92 52 07	--	4.5	93 30	-23.7	-28.2		3488.5	TP	-151	+357	2,529,282	322,278
TP	388				5.6	93 20	-22.6	-28.2			TP		+		
	299	291.9	269 57 17	--	8.8	85 -	-26.1	-17.3	3471.3		BS	-102	+280		
	299				9.8	84 50	-26.9	-17.1	-17.23		BS		+		
69	62		259 10'	+20.0	6.1	86 20	+4.0	-2.1		3469.2		+10	-61	2,529,190	322,498
TP	0				5.1	-		-5.1		3466.2	TP	0	0	2,529,180	322,559
70	282		125 05'	--	7.1	94 -	-19.7	-26.8		3444.5		-231	+161	2,528,949	322,720
TP	426		125 35 06	--	12.3	92 30	-18.6	-30.9		3440.4	TP	-351	+241	2,528,829	322,801
TP	426				4.9	93 30	-26.0	-30.9			TP		+		
	381		310 20 26	+20.0	5.3	89 -	-6.6	-1.3	3439.1		BS	-331	+189		
	381				4.2	89 10	-5.5	-1.3			BS		+		
71	197		306 35'	--	5.1	88 50	+4.0	-1.1		3438.0		+164	-108	2,528,662	322,883
TP	0				5.1	-		-5.1		3434.0	TP	0	0	2,528,498	322,991
72	133		92 10'	--	3.2	96 30	-15.1	-18.3		3420.8		-50	+123	2,528,448	323,114
TP	153	152.0	83 23 21	--	4.5	96 30	-17.3	-21.8		3417.3	TP	-35	+148	2,528,463	323,140
TP	153				4.6	263 30	-17.3	-21.9			TP		+		
	307		230 53 14	--	2.2	88 -	-10.7	-8.5			BS	+100	+290		
	307				2.3	272 -	-10.7	-8.4	3408.9		BS		+		

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-9-85		B. Cotcamp		K. Greenfield		6834		B.C.W.		2		12			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDAHO				IDAHO		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									3408.9						
π	0				5.1	-		-5.1		3403.8	π	0	0	2,528,563	323,431
73	23		177° 50'	+20.0	7.3	-		-7.3		3401.6		-22	-7	2,528,541	323,424
74	335		106° 25'	-	6.2	91° 30'	-8.8	-15.0		3393.9		-199	+270	2,528,364	323,701
TP	536		104° 41' 54"	-	9.5	92° 30'	-23.4	-32.9		3376.0	TP	-305	+440	2,528,258	323,872
TP	536				9.4	267° 30'	-23.4	-33.0			TP		+		
	189	188.3	291° 32' 09"	+19.8	3.1	85° -	-16.5	-13.4	3362.6		BS	-124	+141		
	189				+2.5	85° 16'	-15.9	-13.4			BS				
75	64		281° -	-	5.2	84° 16'	+6.5	+1.3		3363.9		+33	-55	2,528,167	323,958
π	0				5.1	-		-5.1		3357.5	π	0	0	2,528,134	324,013
TP	111		80° 26' 15"	-	5.3	96° 10'	-11.9	-17.2		3345.4	TP	-20	+109	2,528,114	324,123
TP	111				5.6	96° -	-11.6	-17.2			TP		+		
	339	336.5	307° 14' 11"	-	11.6	83° -	-41.3	-29.7	3315.7		BS	-282	+183		
	339				+5.7	84° -	-35.4	-29.7			BS	-1	+		
76	188	187.0	304° 25'	+19.8	4.7	84° -	+19.7	+15.0		3330.7		+152	-109	2,527,983	324,198
π	0				5.1	-		-5.1		3310.6	π	0	0	2,527,831	324,307
77	141		169° -	-	3.4	95° -	-12.3	-15.7		3300.0		-139	-22	2,527,692	324,285
TP	253	252.0	164° 37' 04"	-	6.0	95° -	-22.1	-28.1			TP	-251	-19	2,527,579	324,289
TP	253				5.2	95° 10'	-22.8	-28.0		3287.7	TP	-1	+		
	371	370.1	308° 21' 55"	-	+1.5	86° -	-25.9	-24.5			BS	-314	+195		
	371				+2.6	85° 50'	-27.0	-24.4	3263.3		BS	-1	+		

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-9-85		B. Camp		K. Greenfield		6834		B.C.		2		13				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
IDAHO		NAPLES-7 1/2		IDA.		Boundary								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									3263.3							
78	173		312 -	+19.8	5.9	86 -	+12.1	+6.2		3269.5		+152	-82	2,527,416	324,403	LAST STA. ON ROAD
X	0				5.1	-		-5.1		3258.2	X	0	0	2,527,744	324,485	
79	154	150.6	134 15	--	8.3	102 -	-32.0	-40.3		3223.0		-135	+66	2,527,129	324,551	CROSS COUNTRY
TP	232	226.9	133 58 25	-	6.2	102 -	-48.2	-54.4		3208.9	TP	-204	+100	2,527,059	324,586	
TP	232				6.9	101 50	-47.6	-54.5			TP	-1	+1			
	251	239.4	299 18 06	+19.8	7.9	72 30	-75.5	-67.6			BS	-181	+157			
	251				8.0	287 30	-75.5	-67.5	3141.4		BS	-1	+1			
80	0				5.1	-		-5.1		3136.3	X	0	0	2,526,877	324,744	
TP	273		141 52 09	--	11.0	92 34	-12.2	-23.2		3118.2	TP	-259	+86	2,526,617	324,831	
TP	273				12.2	92 20	-11.1	-23.3			TP	-1	+1			
	264		255 08 10	--	3.9	89 -	-4.6	-0.7	3117.5		BS	-23	+263			
	264				8.5	88 1	-9.2	-0.7			BS	-1	+1			
81	232		253 30	--	3.4	88 40	+5.4	+2.0		3119.5		+13	-232	2,526,606	324,863	
X	6				5.1	-		-5.1		3112.4	X	0	0	2,526,593	325,095	
82	102		104 -	+19.8	6.2	92 -	-3.6	-9.8		3107.7		-57	+85	2,526,536	325,180	
TP	375	374.1	99 25 23	--	6.6	94 1	-26.2	-32.8			TP	-183	+326	2,526,409	325,422	
TP	375				13.1	93 -	-19.6	-32.7		3084.8	TP	-1	+1			
	236	235.1	298 48 17	-	4.4	85 -	-20.6	-16.2			BS	-176	+155			
	236				4.5	275 -	-20.6	-16.1	3068.7		BS	-1	+1			
83	178		295 20	-	5.4	84 30	+17.1	+11.7		3080.4		+126	-126	2,526,358	325,452	LAST STA. ON ROAD

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
8-9-85		B. Cotcamp		K. Greenfield		6834		B. C. K.		2		14						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
IDAMO		NAPLES-7 1/2'		IDAMO		Boundary								W. Cassidy				
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			
X	0				5.1	-		-5.1	3068.7	3063.6	X	0	0	2526.232	325.578			
84	156	151.7	78° 10'	+19.8	5.2	103° 30'	-36.4	-41.6		3027.1		-21	+150	2526.211	325.728			
TP	177	172.1	78° 10' 54"	-	1.6	103° 30'	-41.3	-42.9		3025.8	TP	-24	+170	2526.207	325.749			
TP	177				2.1	103° 20'	-40.8	-42.9			TP	-1	+1					
	115		281° 43' 57"	-	+5.5	94° 10'	+8.4	+13.9			BS	-60	+98					
	115				+5.8	94°	+8.0	+13.8	3039.6		BS	-1	+1					
X	0				5.1	-		-5.1		3034.5	X	0	0	2526.146	325.848			
85	193		104° 15'	+19.8	6.3	91° 10'	-3.9	-10.2		3029.4		-108	+160	2526.038	326.008			
TP	204		104° 14' 22"	-	7.2	91°	-3.6	-10.8		3028.8	TP	-114	+169	2526.031	326.018			
TP	204				7.3	269°	-3.6	-10.9			TP	-1	"					
	103		269° 33' 20"	-	+5.3	84°	-10.8	-5.5	3023.2		BS	-34	+97					
	103				+6.6	83° 30'	-11.7	-5.7	5.63		BS	-1	+1					
X	0				5.1	-		-5.1		3018.1	X	0	0	2525.996	326.116	Fail		
TP	181	175.2	109° 42' 00"	-	5.7	104° 30'	-45.3	-51.0		2972.2	TP	-111	+135	2525.884	326.252			
TP	181				6.3	104° 20'	-44.8	-51.1			TP	-1	+1					
	137	129.5	291° 30' 27"	+19.8	+8.0	71°	-44.6	-36.6	2935.5		BS	-86	+97					
	137				+5.5	72°	-42.3	-36.8	36.75		BS	-1	+1					
86	71	67.7	283° 30'	-	1.3	72° 30'	+21.4	+20.1		2955.6		+37	-57	2525.834	326.293			
X	0				5.1	-		-5.1		2930.4	X	0	0	2525.797	326.350			
TP	134	128.5	93° 50' 42"	-	13.4	106° 30'	-38.1	-51.5			TP	-52	+118	2525.744	326.469			
TP	134				13.7	106° 20'	-37.7	-51.4		2884.1	TP	-1	+1					

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-7-85		B. C. Camp		K. Greenfield		6834		B. C. Camp		2		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDAH0		MAPES - 7 1/2		IDAH0		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
										2884.1					
	288	273.0	253 36 42	+19.8	3.3	71 25	-91.8	-88.5			BS	-16	+273		
	288				+3.4	288 35	-91.8	-88.4	2795.7		BS	-1	+		
87	181	175.5	253 50	-	2.8	75 50	+44.3	+41.5		2837.2		+11	-175	2,525,738	326,568
	π	0			5.1	-		-5.1		2790.6	π	0	0	2,525,727	326,743
88	138	120.9	85 15	-	5.0	118 50	-66.6	-71.6		2724.1		-31	+117	2,525,696	326,860
TP	227	199.8	83 57 24	-	2.6	118 20	-107.7	-110.3			TP	-48	+194	2,525,678	326,938
TP	227				3.3	118 10	-107.2	-110.5	-110.4	2685.3	TP	-1	+		
	186	162.7	258 31 43	+19.8	4.4	61 -	-90.2	-85.8			BS	-24	+161		
	186				+4.5	299 -	-90.2	-85.7	2599.6		BS	-1	+		
	π	0			5.1	-		-5.1		2594.5	π	0	0	2,525,653	327,100 <i>old ROAD GRADE</i>
89	53	48.9	80 50	-	3.0	112 40	-20.4	-23.4		2576.2		-9	+48	2,525,644	327,148
TP	276	258.2	78 29 52	-	3.1	110 40	-97.4	-100.5			TP	-37	+256	2,525,615	327,357 <i>BACK ON ROAD</i>
TP	276				4.0	110 30	-96.7	-100.7	-100.6	2499.0	TP	-1	+		
	177		268 24 54	+19.8	6.8	85 -	-15.4	-8.6	2490.4		BS	-55	+167		
	177				+6.7	275 -	-15.4	-8.7			BS	-1	+		
90	120		311 05	-	9.7	85 30	+9.4	-0.3		2490.1		+105	-58	2,525,664	327,467
	π	0			5.1	-		-5.1		2485.3	π	0	0	2,525,559	327,525
91	187	184.3	161 45	-	6.8	99 50	-31.9	-38.7		2451.7		-184	-5	2,525,375	327,520
92	514	509.6	164 10	-	5.4	97 30	-67.1	-72.5		2417.9		-508	-35	2,525,051	327,490

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-9-85		B. Cotcamp		K. Greenfield		6834		B.C. W		2		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDAMO		NAPLES - 7 1/2'		IDAMO		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									2490.4						
TP	681	675.7	161° 08' 25"	+19.8	3.1	97° 10'	-85.0	-88.1		2402.3	TP	-674	-46	2,524,884	327,480
TP	681				3.2	262° 50'	-85.0	-88.2			TP	-	+		
	189		313° 31' 15"	-	+4.1	85° -	-16.5	-12.4	2389.9		BS	-168	+85		
	189				+3.6	85° 10'	-15.9	-12.3			BS	-	+		
93	37		318° 55'	✓	5.1	85° 30'	+2.9	-2.2		2387.7		+34	-13	2,524,749	327,553
π	0				5.1	-		-5.1		2384.8	π	0	0	2,524,715	327,566
TP	199		136° 15' 40"	~	9.5	94° 50'	-16.8	-26.3		2363.6	TP	-181	+80	2,524,533	327,647
TP	199				10.1	94° 40'	-16.2	-26.3			TP	-	+		
	297	295.4	326° 27' 15"	+19.8	4.9	84° -	-31.0	-26.1	2337.5		BS	-287	+70		
	297				+5.7	83° 50'	-31.9	-26.2			BS	-	+		
94	237	235.8	323° -	~	5.0	84° 10'	+24.1	+19.1		2356.6		+225	-70	2,524,470	327,648
π	0				5.1	-		-5.1		2332.4	π	0	0	2,524,245	327,718
95	91		131° 25'	-	4.8	95° 10'	-8.2	-13.0		2324.5		-80	+44	2,524,165	327,762
TP	310	308.7	124° 50' 09"	~	3.7	95° 10'	-27.9	-31.6		2305.9	TP	-252	+179	2,523,992	327,898
TP	310				4.6	95° -	-27.0	-31.6			TP	-	+		
	2077		250° 37' 46"	+19.8	6.4	-		+6.4	2312.3		BS	-16	+2077		
	2077				+6.3	270° -		+6.3			BS	-	+		
96	1978		250° 45'	~	6.2	90° 18'	-10.4	-16.6		2295.7		+19	-1978	2,523,994	327,998
#	1976		250° 55' 22"	-	10.8	90° 10'	-5.7	-16.5		2295.8	#	+25	-1976	2,524,000	328,000

FENCELINE
 Horiz y = -27'
 CORR. x = +35'

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-9-85		B. Cotcamp		K. Greenfield		6834		B. C. K.		2		17				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
IDAMO		NAPLES - 7 1/2'		IDAMO		Boundary								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC 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	X
									2312.3							
97	1650		250 35	+19.8	5.3	90 50	-24.0	-29.3		2283.0		+11	-1650	2,523,986	328,326	
98	1320		250 30	-	5.3	91 30	-34.6	-39.9		2272.4		+7	-1320	2,523,982	328,656	
99	990		-	-	9.7	91 30	-25.9	-35.6		2276.7		+5	-990	2,523,980	328,986	
100	660		-	-	4.6	91 30	-17.3	-21.9		2290.4		+3	-660	2,523,978	329,316	
101	330		-	-	7.9	91 30	-8.6	-16.5		2295.8		+2	-330	2,523,977	329,646	
102	0				5.1	-		-5.1		2307.2	X	0	0	2,523,975	329,976	
103	330		70 37	+19.8	4.9	-		-4.9		2307.4		-2	+330	2,523,973	330,306	
104	660		-	-	6.9	TH	+3.3	-3.6		2308.7		-5	+660	2,523,970	330,636	
105	656		69 44 46	-	3.3	-		-3.3		2309.0	11	+5	+656	2,523,980	330,632	11-2,523,970 x-330,600 T-Inter. EL. 2309.0
106	990		70 37	-	4.0	-		-4.0		2308.3		-7	+990	2,523,968	330,966	
107	1320		-	+19.8	7.1	-		+7.1		2305.2		-10	+1320	2,523,965	331,296	
108	1650		-	-	12.0	90 04	-1.9	-13.9		2298.4		-12	+1650	2,523,963	331,626	
109	1980		70 37	-	12.2	90 06	-3.5	-15.7		2296.6		-14	+1980	2,523,961	331,956	
110	2310		-	-	10.0	90 06	-4.0	-14.0		2298.3		-17	+2310	2,523,958	332,286	
111	2640		-	+19.8	7.0	90 06	-4.6	-11.6		2300.7		-19	+2640	2,523,956	332,616	
112	2970		-	-	9.9	90 06	-5.2	-15.1		2297.2		-22	+2970	2,523,953	332,946	
113	3298		-	-	13.0	90 06	-5.8	-18.8		2293.5		-24	+3298	2,523,951	333,274	
114	3303		70 27 36	-	13.0	90 06	-5.8	-18.8		2293.5	TP	-15	+3303	2,523,960	333,279	113-2,523,930 x-333,295 TP 4 way Inter. EL. 2293.0
115	3303		-	-	13.1	269 54	-5.8	-18.9			TP					

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-12-85		B. Cotcamp		B. SALDIVAR		6834		E.C.C.		2		18				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
IDAH0		NAPLES-7 1/2'		IDAH0		BOUNDARY								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING 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	
										2293.5						
	1545		250 57 39	+20.0	11.4	-		+11.4	2304.9		BS	-26	+1545			
	1545				11.3	270 -		+11.3			BS					
113	1221		250 35	-	12.8	-		-12.8		2292.1		+12	-1221	2,523,946	333,603	
114	890		-	-	9.1	-		-9.1		2295.8		+9	-890	2,523,943	333,934	
115	560		-	-	5.9	TH	+2.8	-3.1		2301.8		+6	-560	2,523,940	334,264	
116	230		-	-	6.4	89 -	+4.0	-2.4		2302.5		+2	-230	2,523,936	334,594	
π	0				5.1	-		-5.1		2299.8	π	0	0	2,523,934	334,824	
117	100		70 46	+20.0	8.3	-		-8.3		2296.6		-1	+100	2,523,933	334,924	
118	430		-	-	13.4	BH	-2.2	-15.6		2289.3		-6	+430	2,523,928	335,254	
119	760		-	-	10.1	BH	-3.8	-13.9		2291.0		-10	+760	2,523,924	335,584	
120	1090		-	-	12.7	-		-12.7		2292.2		-15	+1090	2,523,919	335,914	
121	1420		70 46	-	11.0	-		-11.0		2293.9		-19	+1420	2,523,915	336,244	
122	1750		-	+20.0	8.4	-		-8.4		2296.5		-23	+1750	2,523,911	336,574	
123	2080		-	-	9.1	-		-9.1		2295.8		-28	+2080	2,523,906	336,904	
124	2411		70 25 49	-	10.0	-		-10.0			TP	-18	+2411	2,523,916	337,235	
124	2411				9.9	270 -		-9.9		2295.0	TP					
	925		242 07 42	-	8.9	89 -	-16.1	-7.2	2287.8		BS	+127	+916			
	925				11.6	88 50	-18.8	-7.2				BS				
125	604		236 50	-	6.3	89 -	+10.5	+4.2		2292.0		-138	-588	2,523,905	337,563	
126	277		233 15	-	5.8	89 -	+4.8	-1.0		2286.8		-80	-265	2,523,963	337,886	

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE					
8-12-85		B. Cotcamp		B. SALDIVAR		6834		B.C. W		2		19					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER			
IDAMO		NAPCS-7 1/2		IDAMO		Bourbon								W. Cassidy			
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									2287.8								
X	0				5.1	-		-5.1		2282.7	X	0	0	2524.043	338.151		
127	63		93° -	+20.0	6.3	92° -	-2.2	-8.5		2279.3		-25	+58	2524.018	338.209		
128	388		88° 20'	-	7.7	91° 30'	-10.2	-17.9		2269.9		-122	+368	2523.921	338.519		
129	428		86° 41' 36"	-	7.7	91° 30'	-11.2	-18.9		2268.9	TP	-123	+410	2523.920	338.561		
129	715		82° 41' 27"	-	6.5	91° 30'	-18.7	-25.2		2262.6	TP	-157	+697	2523.886	338.848		
129	715				8.6	91° 20'	-16.6	-25.2			TP						
	692		249° 33' 29"	+20.0	5.0	88° 30'	-18.1	-13.1	2249.5		BS	+5	+692				
	692				7.0	88° 20'	-20.1	-13.1			BS						
130	362		249° 30'	-	6.7	87° 40'	+14.7	+8.0		2257.5		-3	-362	2523.888	339.178		
131	47		208° 30'	-	5.1	87° 40'	+1.9	-3.2		2246.3		-31	-35	2523.860	339.505		
X	0				5.1	-		-5.1		2244.4	X	0	0	2523.891	339.540		
132	300		86° 30'	-	7.5	92° 40'	-14.0	-21.5		2228.0		-85	+288	2523.806	339.828		
TP	457		89° 04' 10"	-	9.7	92° 40'	-21.3	-31.0			TP	-149	+431	2523.742	339.971		
TP	457				11.0	92° 30'	-19.9	-30.9		2218.6	TP						
	668	666.4	341° 12' 40"	+20.0	10.5	86° -	-46.6	+36.1	2182.5		BS	-666	-14				
	668				8.5	86° 10'	-44.7	-36.2			BS						
133	474		342° 30'	-	8.1	86° -	+33.1	+25.0		2207.5		+474	+21	2523.550	339.978		
134	151		328° 50'	-	5.7	86° -	+10.5	+4.8		2187.3		+148	-29	2523.224	339.928		
X	0				5.1	-		-5.1		2177.4	X	0	0	2523.076	339.957		
135	177		155° 20'	-	5.5	93° 30'	-10.8	-16.3		2166.2		-176	+14	2522.900	339.971		

2523.900 x 338.545
T-Inter. EL. 2270.0

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-12-85		B. Lstcamp		B. SALDIVAR		6834		B.C.W		2		20			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDAMO		NAPLES-7 1/2'		20A.		BOUNDARY								W. CASSIDY	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									2182.5						
136	491		145 50	+20.0	9.1	93 30'	-30.0	-39.1		2143.4		-476	+120	2522.600	340,077
TP	556	555.0	146 43 22	--	9.2	93 30'	-33.9	-43.1		2139.4	TP	-540	+127	2522.536	340,084
TP	556				7.6	93 40'	-35.6	-43.2			TP				
	426	425.0	328 36 16	- +	7.4	86 -	-29.7	-22.3	2117.1		BS	-417	+84		
	426			+ 6.2	86 10		-28.5	-22.3			BS				
137	164		315 45	-	5.9	86 -	+11.4	+5.5		2122.6		+150	-67	2522.269	340,101
X	0				5.1	-		-5.1		2112.0	X	0	0	2522.119	340,168
138	161		134 05	+20.0	6.0	93 -	-8.4	-14.4		2102.7		-145	+70	2521.974	340,238
139	487		128 25	--	8.8	93 -	-25.5	-34.3		2082.8		-415	+255	2521.704	340,423
TP	542		122 44 37	-	11.1	93 -	-28.4	-39.5			TP	-431	+328	2521.688	340,496
TP	542				9.5	93 10	-29.9	-39.4		2077.7	TP				
	776	774.3	255 42 48	+20.0	6.1	86 10	-51.9	-45.8	2031.9		BS	-77	+770		
	776			+ 6.0	273 50		-51.9	-45.9			BS				
140	532		253 20	-	8.3	86 10	+35.6	+27.3		2059.2		+31	-531	2521.642	340,735
141	203		256 05	-	7.3	86 10	+13.6	+6.3		2038.2		+22	-202	2521.633	341,064
X	0				5.1	-		-5.1		2026.8	X	0	0	2521.611	341,266 mag?
142	126		72 20	-	5.0	93 10	-7.0	-12.0		2019.9		-5	+126	2521.606	341,392
TP	368	367.4	83 34 03	-	7.4	93 10	-20.3	-27.9			TP	-86	+357	2521.525	341,623
TP	368				7.5	266 50	-20.3	-27.8		2004.1	TP				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-25-85		B. Potcamp		B. SALDIVAR		6834		R. J.		2		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
ZONA		NAPLES-7 1/2		IDA.		Boulevard								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									2004.1						
	212		241 54 39	+20.0	3.6	88 -	-7.4	-3.8	2000.3		BS	+122	+173		
					2.9	88 10	-6.8	-3.9		BS					
142	133		202 70	-	5.2	88 10	+5.1	-0.1		2000.2		-118	-107	2521.529	341.689
π	0				5.1	-		-5.1		1995.2	π	0	0	2521.647	341.796
144	169		40	-	5.6	30	-1.5	-7.1		1993.2		+145	+86	2521.792	341.882
TP	467		4 0 58	-	5.4	91 20	-10.9	-16.3		1984.0	TP	+426	+191	2522.073	341.987
TP	467				6.8	91 10	-9.5	-16.3			TP				
	581		260 35 21	+20.0	3.5	-		+3.4	1987.4		BS	-107	+571		
	581				6.3	TH	-2.9	+3.4							
145	516		260 20	-	7.1	TH	+2.6	-4.5		1982.9		+93	-508	2522.059	342.050
π	332		264 32 18	-	5.5	89 40	+1.9	-3.6		1983.8		+83	-321	2522.049	342.237
146	191		262 20	-	4.8	-		-4.8		1982.6		+41	-187	2522.007	342.371
π	0				5.1	-		-5.1		1982.3	π	0	0	2521.966	342.558
147	139		91 55	+20.0	4.0	-		-4.0		1983.4		-65	+123	2521.901	342.681
148 TP	464		90 34 34	-	5.0	TH	+2.3	-2.7	1984.7		TP	-163	+434	2521.803	342.992
148 TP	464				5.0	TH 270	+2.3	-2.7				TP			

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
8-13-85		B. Cotcamp		B. SALDIVAR		6834		lc		2		22							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		MAPES - 7 1/2'		ID.		BOUNDARY								W. Cassidy					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
									1984.7										
	570		234 18 06	+20.0	12.3	96 30	+5.0	+17.3	2002.0		TPS	+154	+549						
	570				11.3	90 36	+6.0	+17.3			TPS								
149	252		221		7.6	90 20	-1.5	-9.1		1992.9		-122	-220	2521.835	343.321				
#	146		210 18 57		3.7	90 20	-0.8	-4.5		1997.5	#	-93	-112	2521.864	343.429				R.R. TRACKS. EL. 1998.0
X	0				5.1			-5.1		1996.9	X	0	0	2521.957	343.541				
150	69		64 40	+20.0	5.5	90 20	-0.4	-5.9		1996.1		+6	+69	2521.963	343.610				CROSS country
151	390		54 10		11.8	86 20	+65.5	+53.7		2055.7		+106	+375	2522.063	343.916				↓
TP	567	555.3	55 52 10	+20.3	6.2	78 20	+114.7	+108.5		2110.5	TP	+133	+539	2522.090	344.080				
TP	567				7.9	78 10	+116.3	+108.4				TP							
	343	942.2	241 20 15		13.6	86	-23.9	-10.3	2100.2		BS	+50	+339						
	343				13.5	774	-23.9	-10.4				BS							
152	193		240 10	+20.3	6.5	85	+16.8	+10.3		2110.5		-32	-190	2522.108	344.229				
X	0				5.1			-5.1		2095.1	X	0	0	2522.140	344.419				
153	167		8 40		5.6	93	-8.7	-14.3		2085.9		+146	+81	2522.286	344.500				
154	469		25 35 1 4		10.3			-10.3		2089.9		+326	+337	2522.466	344.756				
TP	687		25 19 27		5.3	74	+3.4	+1.9			TP	+480	+491	2522.620	344.910				
TP	687				5.2	74 20	+3.4	-1.8			2098.4	TP							
	484		181 17 10		4.5	91	+8.4	+12.9	2111.3		BS	+450	+178						
	484				4.4	269	+8.4	+12.8				BS							
155	396		181 15		6.4	91 10	-8.1	-14.5		2096.8		-368	-145	2522.702	344.943				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-13-85		B. Cotcamp		K. Greenfield		6834		-B.C. W		2		23				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Idaho		NAPLES-7 1/2'		Idaho		Boundary								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									2111.3							
156	68		182° 30'	+20.3	7.1	91° 10'	-1.4	-8.5		2102.8		-63	-26	2523.007	345.062	CROSS country
X	0				5.1	-		-5.1		2106.2	X	0	0	2523.070	345.088	↓
157	275		44° 34' 33"	-	10.0	-		-10.0		2101.3	TP	+117	+249	2523.187	345.337	
157	275				8.7	84	-1.4	-10.1			TP					
	366		208° 08' 48"	+20.5	6.5	88° -	-12.8	-6.3	2095.0		BS	+242	+275			
	366				+5.4	88° 10'	-11.7	-6.3			BS					
158	63		164° 20'	+20.5	6.2	-		-6.2		2088.8		-63	-5	2523.366	345.607	↓
X	0				5.1	-		-5.1		2089.9	X	0	0	2523.429	345.612	↓
159	267		25°	-	6.6	102° 10'	-56.3	-62.9		2032.1		+187	+190	2523.616	345.802	↓
TP	484	476.2	25° 39' 28"	-	7.4	100° 20'	-86.8	-94.2			TP	+330	+343	2523.759	345.955	↓
TP	484				7.3	259° 40'	-86.8	-94.1		2000.9	TP					↓
	617		240° 35' 58"	-	+2.9	74	-3.1	-0.2	2000.7		BS	+95	+610			↓
	617				+10.6	89° -	-10.8	-0.2			BS					
160	513		245° 10'	+20.5	12.5	-		-12.5		1988.2		-39	-512	2523815	346.053	
161	200		247° 30'	-	9.6	-		-9.6		1991.1		-7	-200	2523.847	346.365	BACK ON ROAD
X	0				5.1	-		-5.1		1995.6	X	0	0	2523.854	346.565	
162	131		81° 10'	-	4.8	89° -	+2.3	-2.5		1998.2	R.P. marks	-26	+128	2523.828	346.693	
Bm	291		5° 47' 54"	-	9.3	74	+1.5	-7.8		1992.9	Bm	+261	+129	2524.115	346.694	U.S. G.S. B.M. #1. 1993.0
163	460		77° 55'	-	4.7	88° -	+16.1	+11.4		2012.1		-67	+455	2523787	347.020	F-288 1914

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
8-13-85		B. Cotcamp		B. SALDIVAR		6834		B. Ch		2		25							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		Twenty Mile Creek-7 1/2'		Idaho		Boundary								W. Cassidy					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
										2098.0									
	527		250 03 28	+20.5	8.8	91 -	+9.2	+18.0	2116.0		BS	-5	+527						
	527				8.7	269 -	+9.2	+17.9			BS								
172	330		247 50	--	10.6	91 -	-5.8	-16.4		2099.6		-10	-330	2,524,222	349,845				
173	0				5.1	-		-5.1		2110.9	X	0	0	2,524,232	350,175				
174	330		66 50	--	7.4	88 -	+11.5	+4.1		2120.1		+15	+330	2,524,247	350,505				
TP	529		64 47 10	--	3.3	88 -	+18.5	+15.2		2131.2	TP	+43	+527	2,524,275	350,702				
TP	529				1.8	88 10	+16.9	+15.1			TP								
	603	602.4	229 41 20	+20.5	6.1	92 30	+26.3	+32.4	2163.6		BS	+204	+567						
	603				7.9	92 20	+24.6	+32.5			BS								
175	474		228 30	--	7.7	92 30	-20.7	-28.4		2135.2		-170	-443	2,524,309	350,826				
176	145		223 40	--	7.1	92 30	-6.3	-13.4		2150.2		-63	-131	2,524,416	351,138				
X	0				5.1	-		-5.1		2158.5	X	0	0	2,524,479	351,269				
177	184		41 15	+20.5	5.3	88 30	+4.8	-6.5		2163.1		+87	+162	2,524,566	351,431				
178	512		34 40	--	3.4	88 30	+13.4	+10.0		2173.6		+292	+420	2,524,771	351,689				
TP	576		32 51 33	--	6.3	88 10	+18.4	+12.1		2175.7	TP	+344	+462	2,524,823	351,731				
TP	576				8.0	88 -	+20.1	+12.1			TP								
	474		199 06 09	--	4.7	92 20	+19.3	+24.0	2199.7		BS	+365	+302						
	474				13.0	91 20	+11.0	+24.0			BS								
179	215		204 45	--	6.3	92 -	-7.5	-13.8		2185.9		-151	-153	2,525,037	351,880				
X	0				5.1	-		-5.1		2194.6	X	0	0	2,525,188	352,033				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
8-13-85		B. Cotcamp		B. SALDIVAR		6834		B.C. W		2		26							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		Twenty Mile Creek 74'		Idaho		BOUNDARY								W. Cassidy					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
									2199.7										
180	114		51° 25'	+26.5	5.4	87° 40'	+4.6	-0.8		2198.9		+35	+108	2525.223	352.141				
181	443		47° -	-	8.9	88° -	+15.5	+6.6		2206.3		+170	+409	2525.358	352.442				
TP	642		46° 42' 00"	-	9.3	88° -	+22.4	+13.1		2212.8	TP	+249	+591	2525.437	352.624				
TP	642				7.5	88° 10'	+20.5	+13.0			TP								
	669		245° 11' 03"	+20.5	7.1	92° -	+23.3	+30.4	2243.2		BS	+50	+667						
	669				7.0	268° -	+23.3	+30.3			BS								
182	532		245° -	-	5.5	72° -	-18.6	-24.1		2219.1		-42	-530	2525.445	352.761				
183	203		244° 20'	-	5.0	72° -	-7.1	-12.1		2231.1		-18	-202	2525.469	353.089				
π	0				5.1	-		-5.1		2238.1	π	0	0	2525.487	353.291				
184	145		107° 05'	-	5.4	87° -	+7.6	+2.2		2245.4		-88	+115	2525.399	353.406				
185	473		104° 10'	-	8.0	87° -	+24.8	+16.8		2260.0		-269	+389	2525.218	353.680				
TP	792	-91.3	103° 33' 47"	-	5.1	87° 30'	+34.5	+29.4		2272.6	TP	-443	+655	2525.044	353.946				
TP	792				5.0	272° 30'	+34.5	+29.5			TP								
	185		300° 18' 48"	+20.5	14.7	04° -	+0.9	+15.6	2288.2		BS	-143	+117						
	185				12.4	41° -	+3.2	+15.6			BS								
186	170		293° 50'	-	8.7	92° -	-5.9	-14.6		2273.6		+119	-122	2525.020	353.941				
IF	24		97° 24' 40"	-	3.7	-		-3.7		2284.5	IF	-11	+21	2524.890	354.084				y = 2524.830 x - 354.080 Tangent, El. 2283.0
π	0				5.1	-		-5.1		2283.1	π	0	0	2524.901	354.063				
187	158		136° 15'	-	6.0	86° 20'	+10.1	+4.1		2292.3		-145	+62	2524.756	354.125				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-13-85		B. Cotcamp		B. SALDIVAR		6834		B.C. K		2		27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twenty Mile creek 72		Idaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									2288.2						
TP	363		130 40 12	+20.5	1.1	87 20	+16.9	+15.8		2304.0	TP	-318	+175	2,524,583	354,238
TP	363				2.1	87 10	+17.9	+15.8			TP				
	327		292 47 09	--	+4.7	93 0	+17.1	+21.8	2325.8		BS	-224	+238		
	327				+7.6	120 30	+14.3	+21.9			BS				
188	207		287 50	-	6.6	93 0	-10.8	-17.4		2308.4		+128	-162	2,524,487	354,314
K	0				5.1	-		-5.1		2320.7	K	0	0	2,524,359	354,476
189	122		91 40	+20.5	6.4	86 -	+8.5	+2.1		2327.9		-46	+113	2,524,313	354,589
TP	355	354.1	90 18 41	-	6.9	86 -	+24.8	+17.9		2343.7	TP	-126	+331	2,524,233	354,807
TP	355				5.9	86 10	+23.7	+17.8			TP				
	312		263 23 11	-	+5.1	92 30	+13.6	+18.7	2362.4		BS	-75	+303		
	312				4.2	12 40	+14.5	+18.7			BS				
190	217		263 25	+20.5	7.3	91 40	-6.3	-13.6		2348.8		+52	-211	2,524,210	354,899
K	0				5.1	-		-5.1		2357.3	K	0	0	2,524,158	355,110
191	116		101 15	-	7.0	85 20	+9.4	+2.4		2364.8		-61	+99	2,524,097	355,209
192	444		92 -	-	6.6	86 -	+31.0	+24.4		2386.8		-170	+410	2,523,988	355,520
193	774		11 -	-	6.2	86 20	+49.5	+43.3		2405.7		-284	+720	2,523,874	355,830
TP	906	904.2	90 57 42	-	3.8	86 20	+57.9	+54.1		2416.5	TP	-331	+841	2,523,827	355,951
TP	906				6.5	86 10	+60.6	+54.1			TP				
	413	412.0	285 09 09	+20.5	8.1	94 -	+28.8	+36.9	2453.4		BS	-240	+335		
	413				+4.5	94 30	+32.4	+36.9			BS				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-13-85		B. Cotcamp		B. SALDIVAR		6834		B. C. k		2		28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twentyline creek		Idaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									2453.4						
194	216		283° 40'	+20.5	6.3	94° 10'	-15.7	-22.0		2431.4		+121	-179	2523.708	356.107
X	0				5.1	-		-5.1		2448.3	X	0	0	2523.587	356.286
195	114		97° 50'	--	5.6	84° 40'	+10.6	+5.0		2458.4		-54	+100	2523.533	356.386
196	446		89° 10'	--	7.0	86° -	+30.7	+23.7		2477.1		-148	+414	2523.439	356.700
TP	496	495.0	88° 00' 10"	--	5.4	86° 20'	+31.7	+26.3		2479.7	TP	-157	+469	2523.430	356.755
TP	496				4.0	86° 30'	+30.3	+26.3			TP				
	138		261° 20' 26"	+20.5	5.2	92° 30'	+6.0	+11.2	2490.9		BS	-28	+135		
	138				5.1	267° 30'	+6.0	+11.1			BS				
X	0				5.1	-		-5.1		2485.8	X	0	0	2523.402	356.890
197	135		93° 25'	--	5.3	86° 10'	+9.0	+3.7		2494.6		-55	+123	2523.347	357.013
TP	348	347.2	89° 59' 00"	--	9.0	86° 10'	+23.3	+14.3		2505.2	TP	-122	+325	2523.280	357.215
TP	348				3.9	87° -	+18.2	+14.3			TP				
	682	680.7	256° 32' 09"	+20.5	9.2	93° 30'	+41.6	+50.8	2556.0		BS	-83	+676		
	682				11.2	93° 20'	+39.7	+50.9			BS				
198	568		256° -	--	6.5	94° -	-39.6	-46.1		2509.9		+64	-564	2523.261	357.327
199	241		254° 10'	--	5.2	94° -	-16.8	-22.0		2534.0		+20	-240	2523.217	357.651
X	0				5.1	-		-5.1		2550.9	X	0	0	2523.197	357.891
200	99		4° 05'	--	6.1	70° -	+33.9	+27.8		2583.8		+90	+41	2523.287	357.932
TP	195	183.2	4° 03' 44"	--	5.1	70° -	+66.7	+61.6		2617.6	TP	+167	+76	2523.364	357.767
TP	195				5.0	290° -	+66.7	+61.6			TP				

LAST STA. ON ROAD

CROSS COUNTRY



DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-13-85		B. Cotcamp		B. SALDIVAR		6834		B.C. W		2		29			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twenty nine Creek		Idaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
										2617.6					
	195	183.1	191 32 21	+20.5	4.0	110 10	+67.2	+71.2	2688.8		BS	+155	+97		
	195				3.9	249 50	+67.2	+71.1			BS				
κ	0				5.1	-		-5.1		2683.7	κ	0	0	2,523,519	358,064
201	39		1 - , -	--	5.3	89 20	+0.5	-4.8		2684.0	κ	+36	+14	2,523,555	358,078 1 st sta. BACK ON ROAD
202	360		20 23 40	~	3.3	87 20	+16.7	+13.4		2702.2	TP	+272	+235	2,523,791	358,299 ACROSS STA.
202	360				2.3	87 30	+15.7	+13.4			TP				
	118		230 23 46	+20.5	10.9	-		+10.9	2713.1		BS	+39	+112		
	118				10.3	BH	+0.6	+10.9			BS				
κ	0				5.1	-		-5.1		2708.0	κ	0	0	2,523,830	358,411
203	220		80 38 38	~	4.8	86 10	+14.7	+9.9		2723.0	TP	-42	+215	2,523,788	358,626
203	220				5.4	86 -	+15.3	+9.9			TP				
	448	446.3	219 40 04	-	8.9	95 -	+39.0	+47.9	2770.9		BS	+222	+387		
	448				7.6	95 10	+40.3	+47.9			BS				
204	118		218 55	~	6.3	94 40	-9.6	-15.9		2755.0		-60	-102	2,523,950	358,911
κ	0				5.1	-		-5.1		2765.8	κ	0	0	2,524,010	359,013
205	207	206.3	28 44 01	~	6.2	85 10	+17.4	+11.2		2782.1	TP	+135	+156	2,524,145	359,169
205	207				6.7	85 -	+18.0	+11.3			TP				
	403	401.5	237 27 39	~	7.8	95 -	+35.1	+42.9	2825.0		BS	+84	+393		
	403				7.7	265 -	+35.1	+42.8			BS				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-13-85		B. Cotcamp		B. Salvidore		6834		W		2		30			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twenty Mile Creek		Idaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									2825.0						
206	77		226 -	+20.5	5.4	94 30	-6.0	-11.4		2813.6		-31	-71	2,524,198	359,491
X	0				5.1	-		-5.1		2819.9	X	0	0	2,524,229	359,562
IF	136		34 59 33	-	4.9	85 30	+10.7	+5.8		2830.8		+77	+112	2,524,306	359,674
TP	199	198.2	50 27 35	-	5.1	85 -	+17.3	+12.2		2837.2	TP	+65	+187	2,524,294	359,749
TP	199				4.5	85 10	+16.8	+12.3			TP				
	222	221.2	314 21 16	+20.5	7.0	95 -	+19.3	+26.3	2863.5		BS	-200	+94		
	222				6.4	95 10	+20.0	+26.4			BS				
207	185		317 05	-	5.7	95 10	-16.7	-22.4		2841.1		+171	-71	2,524,265	359,772
X	0				5.1	-		-5.1		2858.4	X	0	0	2,524,094	359,843
208	133		105 50	-	5.5	85 40	+10.0	+4.5		2868.0		-79	+107	2,524,015	359,950
					7.1	84 20									
					7.0	85 40									
TP	257	256.0	99 22 52	-	5.1	85 -	+22.4	+17.3		2880.8	TP	-128	+222	2,523,966	360,065
TP	257				4.4	85 10	+21.7	+17.3			TP				
	119		320 19 34	-	+13.7	-		+13.7	2894.5		BS	-112	+39		
	119				+13.2	84	+0.6	+13.8			BS				
X	0				5.1	-		-5.1		2889.4	X	0	0	2,523,854	360,104
209	87		104	-	5.2	84 -	+9.1	+3.9		2898.4		-49	+72	2,523,805	360,176
TP	178	177.2	87 42 54	-	6.7	84 30	+17.1	+10.4			TP	-55	+168	2,523,800	360,272
TP	178				6.2	84 40	+16.5	+10.3		2904.8	TP	+1			

y - 2,524,315 x - 359,680
y - Inter. E. 2831.0

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
8-14-85		B. Cotcamp		B. SANDWAR		6834		B.C. W		EJ		31							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		Twenty Mile Creek-74		Idaho		Boundary								W. [Signature]					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
										2904.8									
	261		192 45 57	+20.5	11.1	92 30'	+11.4	+22.5			BS	+218	+143						
	261				+16.4	92 40'	+12.1	+22.5	2927.3		BS	"							
210	50		203 20'	--	7.5	93 -	-2.6	-10.1		2917.2		-36	-35	2523.983	360.380				
X	0				5.1	-		-5.1		2922.2	X	0	0	2524.019	360.415				
211	290		85 50'	--	4.7	85 -	+25.3	+20.6		2947.9		-82	+278	2523.937	360.693				
TP	327		83 32 52	-	4.2	85 -	+28.5	+24.3		2951.6	TP	-79	+316	2523.941	360.731				
TP	327				3.2	85 10	+27.6	+24.4			TP	"							
	124		265 04 52	+20.5	11.4	93 -	+6.5	+17.9	2969.5		BS	-33	+119						sub
	124				11.8	92 50	+6.1	+17.9			BS	"							
X	0				5.1	-		-5.1		2964.4	X	0	0	2523.909	360.850				
212	148		92 10	--	5.6	85 30'	+11.6	+6.0		2975.5		-57	+137	2523.852	360.987				
TP	240		85 44 27	--	6.2	85 30'	+18.8	+12.6		2982.1	TP	-67	+230	2523.843	361.080				
TP	240				6.9	85 20'	+19.5	+12.6			TP	"							
	276		226 52 54	--	8.5	92 -	+9.6	+19.1	3001.2		BS	+106	+255						
	276				8.7	92 10	+10.4	+19.1			BS	"							
213	46		203 10	+20.5	6.0	89 40'	+0.3	-5.7		2995.5		-33	-32	2523.917	361.303				
X	0				5.1	-		-5.1		2996.1	X	0	0	2523.950	361.335				
TP	210		33 26 34	--	6.4	87 40'	+8.6	+2.2			TP	+124	+176	2524.075	361.505				
TP	210				5.8	87 50	+7.9	+2.1		3003.3	TP	"							

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
8-14-85		B. Cotcamp		B. SALDIVAR		6834					2		32		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twenty mile Creek-76		Id.		Boundary								W. Cassidy	
STATION NO.	SLOPE 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
										3003.3					
	127		252° 38' 28"	+20.5	13.7	-		+13.7	3017.2		BS	-7	+127		
	127				+13.8	270-		+13.8		BS	+1				
214	60		244 -	-	5.6	93-	-3.1	-8.7		3008.5		-6	-60	2524.063 361,572	
TP	0				5.1	-		-5.1		3012.1	TP	0	0	2,524,069 361,632	
215	262		87° 35'	-	5.7	85-	+22.8	+17.1		3034.3		-81	+249	2,523,988 361,881	
TP	283	281.9	84° 24' 36"	-	6.3	85-	+24.7	+18.4	3035.5		TP	-73	+272	2,523,997 361,904	
TP	283				5.5	85 10'	+23.8	+18.3		TP	+1				
	212	211.4	249° 14'	+20.5	4.5	94° 30'	+16.6	+21.1	3056.6		BS	+1	+211		
	212				+3.9	94° 10'	+17.2	+21.1		BS	+1				
TP	0				5.1	-		-5.1		3051.5	TP	0	0	2,523,999 362,115	
216	128	127.3	90° 29' 39"	-	5.6	84 16'	+13.0	+7.4	3063.9		TP	-46	+119	2,523,954 362,233	
216	128				5.3	84 26'	+12.6	+7.3		TP	+1				
	328	326.2	229° 24' 38"	-	4.4	96-	+34.3	+38.7	3102.6		BS	+112	+306		
	328				+7.3	95° 30'	+31.4	+38.7		BS	+1				
217	0				5.1	-		-5.1		3092.5	TP	0	0	2,524,067 362,538	
TP	157	156.1	69° 34' 05"	-	4.8	84-	+16.4	+11.6	3114.2		TP	±0	+156	2,524,068 362,693	
TP	157				4.4	84° 10'	+16.0	+11.6		TP	+1				
	303	302.2	225° 40' 52"	-	5.3	94° 10'	+22.0	+27.3	3141.5		BS	+122	+276		
	303				5.4	94° 10'	+22.0	+27.4		BS	+1				
218	138		221° 20'	-	6.4	92° 40'	-6.4	-12.8		3128.7		-65	+122	2,524,126 362,846	

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
8-14-85		B. Cotcamp		B. SALDIVAR		6834					2		33		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twenty mile Creek		ID		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									3141.5						
π	0				5.1	-		-5.1		3136.4	π	0	0	2,524,191	362,968
219	192		103° 45'	+20.5	6.8	85° -	+16.7	+9.7		3151.4		-108	+159	2,524,083	363,127
220	520	518.0	103° 03' 48"	--	5.2	85° -	+45.3	+40.1		3181.6	TP	-286	+132	2,523,946	363,379
220	520				3.7	85° 10'	+43.8	+40.1			TP	+1	-1		
	822	817.7	275° 10' 50"	~	+3.3	95° 50'	+83.5	+86.8	3268.4		BS	-585	+571		
	822				+3.7	95° 40'	+81.2	+86.9			BS	+1	-1		
221	494		294° 50'	--	6.8	95° 20'	-45.9	-52.7		3215.7		+350	-346	2,523,673	363,623
222	164		-	--	5.4	95° 20'	-15.2	-20.6		3247.8		+117	-115	2,523,439	363,854
π	0				5.1	-		-5.1		3263.3	π	0	0	2,523,322	363,967
223	165		168° -	+20.5	6.7	84° 20'	+16.3	+9.6		3278.0		-103	+129	2,523,219	364,098
224	480		105° 20'	--	5.7	84° 26'	+46.6	+40.9		3309.3		-281	+389	2,523,041	364,358
TP	503	500.2	104° 20' 03"	~	9.0	84° -	+52.6	+43.6		3312.0	TP	-286	+411	2,523,037	364,379
TP	503				8.9	276° -	+52.6	+43.7			TP	+1	-1		
	115		279° 12' 03"	+20.5	+5.6	95° -	+10.0	+15.6	3327.6		BS	-57	+100		
	115				+5.3	75° 10'	+10.4	+15.7			BS	+1	-1		
π	0				5.1	-		-5.1		3322.5	π	0	0	2,522,981	364,478
225	183	182.1	124° 26' 12"	--	5.5	84° 20'	+18.1	+12.6		3340.2	TP	-149	+105	2,522,833	364,582
225	183				6.0	84° 10'	+18.6	+12.6			TP	+1	-1		
	389	388.1	279° 30' 28"	~	+11.3	94° -	+27.1	+38.4	3378.6		BS	-174	+336		
	389				+10.2	94° 10'	+28.3	+38.5			BS		-1		

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
8-14-85		B. Catcamp		B. Saloivar		6834		B.C. ✓		2		34							
AREA		TOPO-MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		Twentyfive Creek		Idaho		Boundary								W. Cassidy					
STATION NO.	SLOPE 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				
									3378.6										
224	59		279° 30'	+20.5	6.1	95° 10'	-5.3	-11.4		3367.2		+30	-51	2,522,670	364,866				
π	0				5.1	-		-5.1		3373.5	π	0	0	2,522,640	364,917				2,522,600 x - 364,930 # section
TP	221	220°	121° 15' 36"	--	2.9	84° 30'	+21.2	+18.3			TP	-17.3	+136	2,522,468	365,052				
TP	221				2.3	84° 40'	+20.5	+18.2		3396.8	TP	"	-1						
	397	396.0	207° 59' 29"	--	+6.5	74° -	+27.7	+34.2			BS	+262	+297						
	397				5.4	74° 10'	+28.8	+34.2	3431.0		BS	"	-1						
227	358		205° 28'	+20.5	4.7	94° 28'	-27.8	-32.5		3398.5		-249	-257	2,522,482	365,091				
228	38		184° 25'	--	5.6	92° 30'	-1.7	-7.3		3423.7		-34	-16	2,522,697	365,332				
π	0				5.1	-		-5.1		3425.9	π	0	0	2,522,731	365,348				
229	286		73° 30'	--	6.2	86° 10'	+19.1	+12.9		3443.9		-20	+285	2,522,711	365,633				
TP	305	301.5	75° 57' 24"	--	5.4	86° 10'	+20.4	+15.0		3446.0	TP	-34	+302	2,522,698	365,649				
TP	305				5.3	273° 50'	+20.4	+15.1			TP	"	-1						
	303	301.3	345° 45' 24"	--	+4.1	96° -	+31.7	+35.8			BS	-300	-33.						
	303				+4.0	264° -	+31.7	+35.7	3481.7		BS	"	-1						
230	0				5.1	-		-5.1		3476.6	π	0	0	2,522,399	365,615				
TP	209		85° 20' 54"	--	2.3	86° -	+14.6	+12.3		3494.0	TP	+57	+201	2,522,343	365,815				
TP	209				1.7	86° 10'	+14.0	+12.3			TP	"	-1						
	269	267.9	243° 36' 20"	--	+8.0	75° 10'	+24.2	+32.2	3526.2		BS	+28	+206.						
	269				+9.5	44° 50'	+22.7	+32.2			BS	"	-1						
231	162		248° 50'	--	9.3	94° 50'	-13.6	-22.9		3503.3		-2	-162	2,522,370	365,918				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE					
8-14-85		B. Cotcamp		B. SALDIVAR		6834		B.C. [initials]		2		35					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER			
Idaho		Twenty Mile Creek-74		Idaho		Boundary								W. Cassidy			
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									3526.2								
π	0				5.1	-		-5.1		3521.1	π	0	0	2522,372	366,080		
232	158		44 -	+20.5	5.2	83° 50'	+17.0	+11.8		3538.0		+68	+143	2522,440	366,223		
TP	179	178.0	40° 01' 52"	-	5.4	83° 50'	+19.2	+13.8		3540.0	TP	+88	+155	2522,460	366,235		4-2522,460 x-366,235 T-Inter
TP	338	336.9	40° 51' 13"	-	7.1	85° 20'	+27.5	+20.4		3546.6	TP	+162	+296	2522,534	366,376		Horiz 3-+26 CORR. X-16
TP	338				7.0	274° 40'	+27.5	+20.5			TP						
	345		228° 53' 51"	-	+11.9	-		+11.9		3558.5	BS	+121	+323				
	345				+13.6	74	-1.7	+11.9			BS						
233	199		230° 45'	-	7.4	91° 30'	-5.2	-12.6		3545.9		-64	-188	2522,591	366,511		
π	0				5.1	-		-5.1		3553.4	π	0	0	2522,655	366,699		
234	132		60 -	-	2.8	87° 30'	+1.2	-1.6		3556.9		+22	+130	2522,677	366,829		
TP	156		50° 30' 15"	-	4.8	88° 30'	+4.1	-0.7		3557.8	TP	+51	+147	2522,706	366,846		
TP	156				5.7	88° 10'	+5.0	-0.7			TP						
	261		211° 40' 15"	+20.5	2.6	93° -	+13.7	+16.3		3574.0	BS	+160	+206				
	261				+1.7	93° 10'	+14.4	+16.1		+16.2	BS						
π	0				5.1	-		-5.1		3568.9	π	0	0	2522,866	367,052		
235	105		138° 10'	-	4.8	86° 30'	+6.4	+1.6		3575.6		-98	+38	2522,768	367,090		
TP	332	331.4	120° 15' 45"	-	2.6	86° 40'	+19.3	+17.3		3591.3	TP	-257	+210	2522,609	367,262		
TP	332				1.7	273° 20'	+19.3	+17.4			TP						
	164		298° 47' 48"	-	+9.8	93° -	+8.6	+18.4		3609.7	BS	-124	+107				
	164				+7.3	93° 10'	+9.1	+18.4			BS						

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-14-85		B. Cotcamp		B. SALVADOR		6834		B.C.W.		2		36			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twenty Mile Creek 78		Idaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									3609.7						
236	102		289° 10'	+20.5	4.8	94° 20'	-7.7	-12.5		3597.2		+65	-79	2,522,550	367,290
X	0				5.1	-		-5.1		3604.6	X	0	0	2,522,485	367,369
237	226		89° 35'	-	5.8	84° 20'	+22.3	+16.5		3626.2		-78	+212	2,522,407	367,581
TP	336	334.4	86° 17.47'	-	9.1	84° 20'	+33.2	+24.1		3633.8	TP	-97	+320	2,522,388	367,689
TP	336				8.1	84° 30'	+32.2	+24.1			TP				
	216		250° 15' 20"	-	7.0	92° 30'	+9.4	+16.4	3650.2		BS	-3	+216		
	216				7.6	92° 20'	+8.8	+16.4			BS				
238	0				5.1	-		-5.1		3645.1	X	0	0	2,522,385	367,905
239	330		62° 20'	-	5.4	88° 10'	+10.6	+5.2		3655.4		+41	+327	2,522,426	368,232
240	659		63° 35'	-	6.4	88° 20'	+19.2	+12.8		3663.0		+68	+655	2,522,453	368,560
TP	702		63° 06' 23"	+19.9	4.8	88° 30'	+18.4	+13.6		3663.8	TP	+85	+697	2,522,470	368,602
TP	702				2.7	88° 40'	+16.3	+13.6			TP				
	320		292° 57' 24"	-	5.7	92° 50'	+15.8	+21.5	3685.3		BS	-217	+234		
	320				6.6	92° 40'	+14.9	+21.5			BS				
241	39		292° -	-	5.9	92° 50'	-1.9	-7.8		3677.5		+26	-29	2,522,279	368,807
X	0				5.1	-		-5.1		3680.2	X	0	0	2,522,253	368,836
242	290		135° 25'	-	8.1	88° -	+10.1	+2.0		3687.3		-264	+121	2,521,989	368,957
TP	540		133° 56' 42"	-	4.1	87° 20'	+25.1	+21.0		3706.3	TP	-484	+238	2,521,769	369,074
TP	540				4.0	272° 40'	+25.1	+21.1			TP				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-14-85		B. Cotamp		B. SALDIVAR		6834		B.C.W		2		37			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twentymile Creek-76		Idaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
										3706.3					
	247		298° 56' 25"	+19.9	9.3	91° -	+4.3	+13.6	3719.9		BS	-184	+163		
	247				8.6	91° 10'	+5.0	+13.6		BS					
243	172		295° 15'	-	5.3	90° 50'	-2.5	-7.8		3712.1		+122	-121	2,521,705	369,116
X	0				5.1	-		-5.1		3714.8	X	0	0	2,521,583	369,237
244	157		107° 40'	-	5.7	87° 30'	+6.8	+1.1		3721.0		-96	+124	2,521,487	369,361
TP	440		103° 23' 34"	-	6.3	87° 30'	+19.2	+12.9	3732.7		TP	-241	+367	2,521,342	369,604
TP	440				5.1	87° 40'	+17.9	+12.8		TP					
	193		255° 49' 57"	-	9.5	93° -	+10.1	+19.6	3752.3		BS	-19	+192		
	193				6.1	94° -	+13.5	+19.6		BS					
245	150		252° -	-	4.9	94° 10'	-10.9	-15.8		3736.5		+5	-150	2,521,328	369,646
X	0				5.1	-		-5.1		3747.2	X	0	0	2,521,323	369,796
246	172		34° 55'	-	5.4	87° 40'	+7.0	+1.6		3753.9		+99	+141	2,521,422	369,937
TP	369		32° 51' 30"	+19.9	5.7	87° 40'	+15.0	+9.3	3761.6		TP	+223	+294	2,521,546	370,090
TP	369				6.8	87° 30'	+16.1	+9.3		TP					
	727	725.6	252° 29' 20"	-	10.2	93° 36'	+45.6	+55.8	3817.4		BS	-30	+725		
	727				13.6	93° 20'	+42.3	+55.9		BS					
#	633	631.7	251° 45' 36"	-	7.6	93° 40'	40.5	-48.1		3769.3	#	+18	-631	2,521,534	370,184
247	586		251° 15'	-	5.6	93° 48'	-38.8	-44.4		3773.0		+12	-586	2,521,528	370,229
248	256		252° 35'	-	6.7	92° 40'	-11.9	-18.6		3798.8		+11	-256	2,521,527	370,559
X	0				5.1	-		-5.1		3812.3	X	0	0	2,521,516	370,815

y = 2,521,570
Boundary
x = 370,160
E. 3728.6

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-14-85		B. Cotamp		B. SQUIVAR		6834		B.C. W.		2		38			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twentyfive Creek-7 1/2		Idaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									3817.4						
249	73		75° 40'	+19.9	5.7	87° 40'	+3.0	-2.7		3814.7		-7	+73	2521.509	370.888
250	365		101° 50'	-	5.6	86° -	+25.5	+19.9		3837.3		-192	+310	2,521,324	371,125
AI	565	564.2	111° 14'	-	0.7	86° -	+39.4	+38.7		3856.1	AI	-371	+425	2,521,145	371,240
251	675		114° 50'	-	6.8	85° 30'	+53.0	+46.2		3863.6		-475	+480	2,521,041	371,295
252	1001		118° 30'	-	6.2	85° 10'	+84.3	+78.1		3895.5		-749	+665	2,520,767	371,480
TP	1157	1153.9	117° 42' 13"	-	5.1	85° 10'	+97.5	+92.4		3909.8	TP	-851	+777	2,520,665	371,592
TP	1157				5.0	274° 50'	+97.5	+92.5			TP				
	705	703.2	274° 10' 00"	-	9.0	94° -	+49.2	+58.2			BS	-287	+642		
	705				8.7	266° -	+49.2	+58.1	3967.9		BS				
253	531		273° 20'	+19.9	7.1	94° -	-37.0	-44.1		3923.8		+209	-488	2,520,587	371,746
254	201		274° 10'		5.2	93° -	-10.5	-15.7		3952.2		+82	-184	2,520,460	372,050
π	0				5.1	-		-5.1		3962.8	π	0	0	2,520,378	372,234
255	117		83° -	-	5.6	86° 30'	+7.1	+1.5		3969.4		-26	+114	2,520,352	372,348
256	446		78° 30'	-	3.0	86° 30'	+27.2	+24.2		3992.1		-65	+441	2,520,313	372,675
TP	554	553.7	78° 24' 23"	-	3.4	86° 30'	+33.8	+30.4			TP	-80	+547	2,520,298	372,781
TP	554				5.1	86° 20'	+35.4	+30.3		3998.2	TP				
	139		354° 26' 58"	-	4.0	92° 38'	+6.4	+10.4			BS	-135	-34		
	139				3.3	92° 54'	+7.0	+10.3	4008.5		BS				
AI	111		40° 43' 06"	-	1.9	93° -	-5.8	-7.7		4000.8	AI	+54	+97	2,520,217	372,844
π	0				5.1	-		-5.1		4003.4	π	0	0	2,520,163	372,747

AI y - 2,521,195 x - 371,210
AI y - Intersect el. 3867.4

AI y - 2,520,254 x - 372,860
AI Creek El. 4010.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-14-85		B. Cotcamp		B. SALDIVAR		6834		B.C. ✓		2		39			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
IDAHO		Twenty Mile Creek - 7 1/2		IDAHO		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									4008.5						
257	34		247 - "	19.9	5.1	84° 40'	+3.2	-1.9		4006.6		-2	-34	2,520,161	372,713
TP	172		243 43 37	-	5.0	84° 40'	+16.0	+11.0		4019.5	TP	-19	-170	2,520,144	372,577
TP	172	112			4.5	84° 50'	+15.5	+11.0			TP				243° 47' 31"
	194		336 43 25	-	+12.9			+12.9	4032.4		BS	-194	+11		
	194				+11.9	BH	+1.0	+12.9			BS				
258	33		343 55	-	4.8	97° 36'	-4.4	-9.2		4023.2		+33	+2	2,519,983	372,590
π	0				5.1			-5.1		4027.3	π	0	0	2,519,950	372,588
259	303		209 10	-	5.5	85° 10'	+25.5	+20.0		4052.4		-199	-229	2,519,751	372,359
TP	487	487.2	207 51 19	-	3.4	85° 10'	+41.2	+37.8		4070.2	TP	-328	-361	2,519,622	372,227
TP	489				4.8	85°	+42.6	+37.8			TP				
	216		322 25 58	-	5.3	94°	+15.1	+20.4	4090.6		BS	-205	+65		
	216				+4.7	94 10	+15.7	+20.4			BS				
260	82		314 -	19.9	5.2	94° 10'	-6.0	-11.2		4079.4		+74	-36	2,519,491	372,256
π	0				5.1			-5.1		4085.5	π	0	0	2,519,417	372,292
261	242		101 20 1	-	5.3	85°	+21.1	+15.8		4106.4		-125	+207	2,519,292	372,499
TP	363	362.8	101 09 28	-	2.9	85° 30'	+28.5	+25.6		4116.2	TP	-187	+310	2,519,236	372,602
TP	363				2.9	77° 30'	+28.5	+25.6			TP				
	310	309.2	292 52 22	-	12.0	95°	+27.0	+39.0			BS	-210	+227		
	310				+11.9	265°	+27.0	+38.9	4155.1		BS				
262	106		282 -	-	6.2	95° 50'	-10.8	-17.0		4138.1		+56	-90	2,519,076	372,739

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-16-85		B. Cotcamp		B. SALDIVAR		6834		B.C. ✓		2		40			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twenty-nine Creek		Idaho		BOUNDARY								W. Cassidy	
STATION NO.	SLOPE 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
									4155.1						
TP	0				5.1	-		-5.1		4150.0	TP	0	0	2519,020	372,829
263	125		109° 10'	19.9	4.8	84° -	+23.5	+18.7		4173.8		-142	+175	2,518,878	373,004
TP	361	359.1	105° 54' 57"	-	4.4	83° 50'	+38.8	+34.4		4189.5	TP	-210	+291	2,518,810	373,120
TP	361				4.3	276° 10'	+38.8	+34.5			TP				
	370	369.9	290° 28' 38"	-	+9.2	95° -	+32.2	+41.4			BS	-239	+281		
	370				+9.1	265°	+32.2	+41.3	4230.8		BS				
264	210		287° 20'	-	6.5	94° 10'	-15.3	-21.8		4209.0		+127	-167	2,518,698	373,234
TP	0				5.1	-		-5.1		4225.7	TP	0	0	2,518,571	373,401
265	119		100° 20'	-	4.4	85° 10'	+10.0	+5.6		4236.4		-60	+103	2,518,511	373,504
TP	249	248.3	91° 58' 40"	-	2.9	86° -	+17.4	+14.5			TP	-93	+231	2,518,478	373,632
TP	249				2.2	86° 10'	+16.6	+14.4		4245.2	TP				
	195		260° 35' 55"	-	+10.8	-		+10.8	4256.0		BS	-36	+192		
	195				+9.9	BS	+1.0	+10.9			BS				
266	0				5.1	-		-5.1		4250.9	TP	0	0	2,518,442	373,824
TP	239		95° 29' 22"	19.9	5.1	87° 40'	+9.7	+4.6		4260.6	TP	-102	+216	2,518,346	374,040
TP	239				5.8	87° 30'	+10.4	+4.6			TP				
	255		249° 00' 32"	-	+15.1	-		+15.1	4275.7		BS	+15	+255		
	255				+13.8	BS	+1.3	+15.1			BS				
267	175		246° 15'	-	7.0	92° 10'	-6.6	-13.6		4262.1		-12	-175	2,518,333	374,120
TP	0				5.1	-		-5.1		4270.6	TP	0	0	2,518,345	374,295

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
8-16-85		B. Cotcamp		R. SALDIVAR		6834		B.C. W.		2		41							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		Twenty-mile Creek-7 1/2		Idaho		Boundary								W. Cassidy					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
									4275.7										
268	162		135° 55'	+19.9	6.9	85° 10'	+13.6	+6.7		4282.4		-148	+66	2518.197	374.361				
TP	339		134° 07' 01"	-	5.9	86° 30'	+20.7	+14.8		4290.5	TP	-304	+148	2518.041	374.443				
TP	339				5.8	73° 30'	+20.7	+14.9			TP								
	426		5° 54' 30"	-	5.0	92° 10'	+16.1	+21.1			BS	-383	-185						
	426				4.9	267° 50'	+16.1	+21.0		4311.5	BS								
269	266		9° 40'	-	5.0	93° 20'	-15.5	-20.5		4291.0		+231	+131	2517.889	374.389				
X	0				5.1	-		-5.1		4306.4	X	0	0	2517.658	374.258				
270	57		164° 30'	-	4.4	86° 20'	+3.6	-0.8		4310.7		-57	-4	2517.601	374.254				
Y	141		145° 11' 28"	-	2.5	86° 20'	+9.0	+6.5		4318.0	Y	-136	+36	2517.522	374.294				
271	381	379.1	137° 45' 36"	+19.6	12.6	84° -	+39.8	+27.2		4338.7	TP	-350	+146	2517.308	374.404				
271	381				11.5	84° 10'	+38.7	+27.2			TP								
	236		294° 46' 33"	-	10.6	94° -	+16.5	+27.1			BS	-164	+169						
	236				9.9	94° 10'	+17.1	+27.0		4365.7	BS								
X	0				5.1	-		-5.1		4360.6	X	0	0	2517.144	374.573				
272	88		89° -	-	6.1	85° 40'	+6.6	+0.5		4366.2		-28	+83	2517.116	374.656				
TP	373	372.8	86° 37' 58"	-	6.8	85° -	+32.5	+25.7		4391.4	TP	-104	+357	2517.040	374.930				
TP	373				5.7	85° 10'	+31.4	+25.7			TP								
	194		257° 44' 24"	-	4.1	95° -	+16.9	+21.0			BS	-25	+192						
	194				4.0	265° -	+16.9	+20.9		4412.3	BS								
273	153		253° 35'	-	4.8	95° -	-13.3	-18.1		4394.2		+9	-153	2517.024	374.969				

2517.490 x = 374.315
y = Inter. El. 4327.0

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-16-85		B. Cotcamp		B. SALDIVAR		6834		B.C. ✓		2		42				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Idaho		Twenty mile Creek-7 1/2'		Idaho		Boundary								W. Cass. 4		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									4412.3							
X	0				5.1	-		-5.1		4407.2	X	0	0	2517.015	375.122	
274	178		93° 35'	+19.6	4.8	85° 50'	+12.9	+8.1		4420.4		-70	+164	2516.945	375.286	
TP	217		87° 58' 28"	-	4.6	85° 50'	+15.8	+11.2	}		TP	-65	+206	2516.950	375.328	
TP	217				4.0	86° -	+15.1	+11.1			4423.4	TP				
	308		260° 18' 10"	-	14.4	93° 20'	+17.9	+32.3				BS	-53	+303		
	308				13.0	93° 36'	+19.3	+32.3	4455.7		BS					
275	37		296° 30'	-	6.3	95° 20'	-3.4	-9.7		4446.0		+27	-26	2516.924	375.605	
X	0				5.1	-		-5.1		4450.6	X	0	0	2516.897	375.631	
276	302		171° 35'	-	9.0	85° -	+26.3	+17.3		4473.0		-296	-59	2516.601	375.572	
TP	421	419.4	170° 44' 20"	-	10.2	85° -	+36.7	+26.5	}	4482.2	TP	-413	-75	2516.484	375.556	
TP	421				8.9	85° 10'	+35.5	+26.6				TP				
	280		317° 35' 09"	+19.6	8.3	94° -	+19.5	+27.8		4510.0		BS	-257	+108		
	280				7.5	94° 10'	+20.3	+27.8			BS					
277	79		308° 20'	-	5.9	95° 10'	-7.1	-13.0		4497.0		+67	-42	2516.294	375.622	
X	0				5.1	-		-5.1		4504.9	X	0	0	2516.727	375.664	
278	250		126° 10'	-	5.3	87° -	+13.1	+7.8		4517.8		-207	+141	2516.020	375.805	
TP	503		125° 53' 13"	-	3.5	87° 20'	+23.4	+19.9	}	4529.9	TP	-414	+285	2515.813	375.949	
TP	503				4.9	87° 10'	+24.9	+20.0				TP				
	215		335° 34' 16"	-	5.0	93° 20'	+12.5	+17.5		4547.4		BS	-214	+18		
	215				5.0	266° 40'	+12.5	+17.5			BS					

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-16-85		B. Cotamp		B. SARDIAR		6834		✓		2		43			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twentymile Creek-74		Idaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									4547.4						
279	136		339° 35'	+19.6	5.5	93° 20'	-7.9	-13.4		4534.0		+136	-2	2,515,735	375,965
X	0				5.1	-		-5.1		4542.3	X	0	0	2,515,599	375,967
280	191	190.4	158° 01' 55"	-	4.7	85° 20'	+15.5	+10.8		4558.2	TP	-190	+8	2,515,409	375,975
280	191				4.2	85° 30'	+15.0	+10.8			TP				
	378	316.6	325° 43' 09"	-	7.1	95° -	+32.9	+40.0			BS	-364	+95		
	378				7.0	265° -	+32.9	+39.9	4598.1		BS				
281	52		306° 35'	-	5.3	94° -	-3.6	-8.9		4589.2		+43	-29	2,515,088	376,041
X	0				5.1	-		-5.1		4593.0	X	0	0	2,515,045	376,070
281	77		81° 20' 25"	+19.6	2.3	-		-2.3		4595.8	281	-15	+76	2,515,030	376,146
282	269		77° 30'	-	3.0	TH	+1.3	-1.7		4596.4		-33	+267	2,515,012	376,337
TP	303		74° 57' 03"	-	8.3	89° -	+5.3	-3.0		4595.1	TP	-24	+302	2,515,021	376,372
TP	303				8.2	271° -	+5.3	-2.9			TP				
	294		212° 59' 16"	+19.6	0.3	TH	-1.5	-1.2	4593.9		BS	+179	+234		
283	0				5.1	-		-5.1		4588.8	X	0	0	2,515,200	376,606
284	327		8° 10'	-	4.8	91° 04'	-6.1	-10.9		4583.0		+289	+152	2,515,489	376,758
TP	381		8° 03' 39"	-	10.2	-		-10.2		4583.7	TP	+337	+177	2,515,537	376,783
TP	381				8.3	BH	-1.9	-10.2			TP				
	190		216° 38' 22"	-	1.9	-		+1.9			BS	+106	+158		
	190			-	2.8	TH	-1.0	+1.8	4585.5		BS				
285	96		91° 40'	-	6.2	91° -	-1.7	-7.9		4577.6		-35	+89	2,515,608	377,030

Y=2,515,070 X=376,135
T-INT. EL. 4605.0

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE					
8-20-85		B. Cotcamp		B. SARDIWAR		6834		B.C.		2		44					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER			
Idaho		Twenty mile Creek		Id.		Boundary								W. Cassidy			
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									4585.5								
285 TP	0		96° 49' 49"	19.16	5.1	91°	-6.1	-5.1		4580.4	TP	0	0	2515.643	376.941		
TP	348				1.8	91°	-6.1	-7.9		4577.6	TP	-155	+312	2,515.988	377.253	TP. Elev. 4577.2	
TP	348				7.9			-7.9			TP					From +RI- STA.	
	461		279° 23' 33"		+5.9	88°	-16.1	-10.2			BS	-223.	+403				
	461				+5.8	272°	-16.1	-10.3	4567.3		BS						
286	388		279° 50'		5.7	88° 00'	+13.5	+7.8		4575.1		+191	-338	2,515.446	377.318		
287	60		273° 15'		4.7	88°	+2.1	-2.6		4564.7		+23	-55	2,515.278	377.601		
KA	29		296° 24' 22"		4.9	88°	+1.0	-3.9		4563.4	TP	+21	-20	2,515.276	377.636	2,515.325 x 377.710 intersect	
K	0				5.1			-5.1		4562.2	TP	0	0	2,515.255	377.656	TP - Elev. from 4562.0	
288	270		68° 30'		7.0	93° 30'	-16.5	-23.5		4543.8		+9	+270	2,515.264	377.926	+RI- STA.	
TP	383		67° 34' 54"	19.6	1.9	93° 30'	-23.4	-25.3		4542.0	TP	+19	+382	2,515.274	378.038		
TP	383				3.0	93° 20'	-22.3	-25.3			TP						
	168		208° 42' 54"		+3.3	TH	-0.8	+2.5	4544.5		BS	+112	+125				
	168				+5.4	89°	-2.9	+2.5			BS						
K	0				5.1			-5.1		4539.4	K	0	0	2,515.386	378.163		
289	34		52° 45'		5.9			-5.9		4538.6	K	+10	+32	2,515.396	378.195		
TP	305		36° 52' 18"		7.7	TH	+1.5	-6.2		4538.3	TP	+168	+254	2,515.554	378.417		
TP	305				7.9	89° 40'	+1.8	-6.1			TP						
	160		202° 58' 06"		+5.9	TH	-0.8	+5.1			BS	+118	+108				
	160				+4.2	TH	+0.8	+5.0	4543.3		BS						

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-20-85		B. Cotcamp		B. SALDIVAR		6834		B.C. W		2		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		Twenty Mile Creek-7 1/2		ID.		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									4543.3						
290	111		201 -	79.16	5.7	89 -	+1.9	-3.8		4539.5		-84	+72	2515.588	378.453
X	0				5.1	-		-5.1		4538.2	X	0	0	2515.672	378.525
291	211		41 40	-	6.5	91 -	-3.7	-10.2		4533.1		+101	+185	2515.773	378.710
TP	359		36° 20' 56	-	7.2	91° 20'	-8.4	-15.6		4527.7	TP	+201	+297	2515.873	378.822
TP	359				8.3	91° 10'	-7.3	-15.6			TP				
	292		200 00 52	-	4.6	-		+4.6	4532.3		BS	+225	+186		
	292				6.1	TH	-1.5	+4.6			BS				
292	122		197 40	-	6.2	-		-6.2		4526.1		-97	-74	2516.001	378.934
X	0				5.1	-		-5.1		4527.2	X	0	0	2516.098	379.008
293	189		37 30	-	5.1	TH	+0.9	-4.2		4528.1		+103	+159	2516.201	379.167
TP	197		32° 45' 28	79.16	3.2	-		-3.2		4529.1	TP	+120	+156	2516.218	379.164
TP	197				2.2	BM	-1.0	-3.2			TP				
	225		197 37 34	-	3.4	-		+3.4	4532.5		BS	+179	+136		
	225				4.5	TH	-1.1	+3.4			BS				
X	0				5.1	-		-5.1		4527.4	X	0	0	2516.397	379.300
294	96		40 15	-	5.2	-		-5.2		4527.3		+45	+78	2516.442	379.378
TP	216		23 57 00	-	9.8	-		-9.8		4522.7	TP	+157	+149	2516.554	379.449
TP	216				8.7	BM	-1.1	-9.8			TP				
	290	288.4	196 16 03	-	10.4	84 -	-30.3	-19.9	4502.8		BS	+234	+169		
	290				9.6	84 10	-29.5	-19.9			BS				

↑
Twenty Mile Creek-7 1/2
CLIFTY Mtn.-7 1/2
↓

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-20-85		B. Cotcamp		B. SALDIVAR		6834		B.C.W.		2		47			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		CLIFTY Mtn. - 7 1/2'		Id.		Boundary								W. C. [unclear]	
STATION NO.	SLOPE 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
									4381.1						
301	151		247 35	+19.6	5.8	89 30'	+1.3	-4.5		4376.6		-7	-151	2517.276	381.333
π	0				5.1	-		-5.1		4376.0	π	0	0	2517.283	381.484
302	150		71 57 09		14.7	89 40'	+0.9	-13.8			TP	-4	+150	2517.279	381.634
302	150				14.3	50'	+0.4	-13.9		4367.2	TP				Cross country
	59		235 14 52		+1.9	-		+1.9	4369.1		BS	+15	+57		
	59				+2.2	TP	-0.3	+1.9			BS				
π	0				5.1	-		-5.1		4364.0	π	0	0	2517.294	381.691
303	273	255.5	25 42 39		4.9	110 38'	-96.2	-101.1		4268.0	TP	+180	+182	2517.474	381.873
303	273				4.8	249 22'	-96.2	-101.0			TP				
	315	297.8	211 01 34	+19.6	3.1	71'	-102.6	-99.5			BS	+189	+230		
	315				+3.0	289'	-102.6	-99.6	4168.4		BS				
π	0				5.1	-		-5.1		4163.3	π	0	0	2517.663	382.103
304	27		92 -		4.8	96 10'	-0.1	-4.9		4163.5		-10	+25	2517.653	382.128
TP	211	209.1	77 41 40		5.4	97 40'	-28.1	-33.5		4134.9	TP	-27	+207	2517.636	382.310
TP	211				6.0	97 30'	-27.5	-33.5			TP				
	75		251 02 03		+1.1	88'	-2.6	-1.5			BS	-1	+75		
	75				+1.0	272'	-2.6	-1.6	4133.3		BS				
π	0				5.1	-		-5.1		4128.2	π	0	0	2517.635	382.385
305	74		81 16		5.6	-		-5.6		4127.7		-14	+73	2517.621	382.458

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-21-85		B Cotcamp		B. SALDIVAR		6834		B.C. W		2		48			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		CLIFTY mtn. - 7 1/2'		Idaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									4133.3						
TP	201		81° 41' 06"	+19.6	13.7	-		-13.7		4119.6	TP	-39	+197	2517,596	382,582
TP	201				14.7	TM	+1.0	-13.7			TP				
	107	104.3	262° 44' 09"	-- +	8.7	77° -	-24.1	-15.4			BS	-22	+102		
	107				+ 8.6	283° -	-24.1	-15.5	4104.1		BS				CROSS COUNTRY
X	0				5.1	-		-5.1		4099.0	X	0	0	2517,574	382,684
306	88	84.3	64° 45'	-	6.3	106° 40'	-25.2	-31.5		4072.6		+8	+84	2517,582	382,768
TP	92	88.1	60° 52' 12"	-	8.0	106° 40'	-26.4	-34.4		4069.7	TP	+15	+87	2517,589	382,771
TP	92				7.9	253° 20'	-26.4	-34.3			TP				
	387	363.7	212° 29' 22"	-- +	10.0	70° -	-132.4	-122.4	3947.2		BS	+223	+287		
	387				+ 8.7	76° 10'	-131.3	-122.6	12253		BS				
307	99		208° 10'	+19.6	4.8	92° 20'	-4.0	-8.8		3938.4		-67	-73	2517,745	382,785
	112		265° 22' 48"	--	6.8	91° -	-2.0	-8.8		3938.4		-79	-79	2517,733	382,979
X	0				5.1	-		-5.1		3942.1	X	0	0	2517,812	383,058
308	239		68° 05'	--	4.0	91° -	-4.2	-8.2		3939.0		+10	+239	2517,822	383,297
TP	339		66° 21' 34"	--	7.2	91° -	-5.9	-13.1		3934.1	TP	+24	+338	2517,836	383,396
TP	339				6.1	91° 10'	-6.9	-13.0			TP				
	263		204° 18' 04"	+19.6	7.4	87° 46'	-10.7	-3.3	3930.8		BS	+189	+182		
	263				+ 8.2	87° 30'	-11.5	-3.3			BS				
309	37		201° 30'	--	5.6	88° -	+1.3	-4.3		3926.5		-28	-24	2517,977	383,554
X	0				5.1	-		-5.1		3925.7	X	0	0	2518,025	383,578

1st STA. ON ROAD.
Y=2517,730 X=382,965
CABIN CREEK

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE						
		B. Cotcamp		B. SALDIVAR		6834					2		50						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		CLIFTY mtn. 7 1/2'		ID.		Boundary								W. Cassidy					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
									3851.5										
316	155		187° 50'	+196	5.3	85° -	+13.5	+8.2		3859.7		-138	-71	2520.154	384.219				
K	0				5.1	-		-5.1		3846.4	K	0	0	2520.292	384.290				
TP	93		7° -	-	7.9	93° -	-4.9	-12.8		3838.7	TP	+83	+42	2520.375	384.332				
TP	93				7.7	93° 10'	-5.1	-12.8			TP								
	64		131° 01' 45"	-	+1.3	89° -	+1.1	+0.2			BS	+56	-31						
	64				+1.2	271° -	-1.1	+0.1	3838.8		BS								
317	0				5.1	-		-5.1		3833.7	K	0	0	2520.431	384.301				
TP	208	207.2	288° 25' 48"	-	4.9	95° -	-18.1	-23.0		3815.8	TP	+128	-163	2520.559	384.138				
TP	208				4.8	265° -	-18.1	-22.9			TP								
	105		170° 22' 39"	-	+3.2	-		+3.2	3819.0		BS	+103	+18						
	105				+3.7	TH	-0.5	+3.2			BS								
#	19		180° 25' 45"	-	0.0	99° 30'	-3.1	-3.1		3815.9		-18	-6	2520.644	384.150				
K	0				5.1	-		-5.1		3813.9	K	0	0	2520.662	384.156				
318	32		14° 40'	-	6.0	91° 10'	-0.7	-6.7		3812.3		+26	+18	2520.688	384.174				
TP	241		19° 34' 51"	+20.0	10.8	86° 10'	+16.1	+5.3		3824.3	TP	+185	+153	2520.847	384.309				
TP	241				10.7	273° 50'	+16.1	+5.4			TP								
	447		192° 37' 22"	-	+13.2	-		+13.2	3		BS	+376	+241						
	447				+13.1	270° -		+13.1	3837.4		BS								
319	330		191° 30'	-	4.9	91° 20'	-7.7	-12.6		3824.8		-281	-172	2520.942	384.378				
320	0				5.1	-		-5.1		3832.3	K	0	0	2521.223	384.550				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE						
8-20-85		B. Cotcamp		B. SALDIVAR		6834					2		51						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		Twentymile Creek		Id.		Boundary								L. CASSIDY					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
									3837.4										
TP	215		34° 33' 52"	+20.0	7.6	86° -	+15.0	+7.4		3844.8	TP	+124	+175	2,521,347	384,725				
TP	215				7.5	274° -	+15.0	+7.5			TP								
	337		170° 50' 03"	-	+3.8	74	-1.7	+2.1			BS	+331	+63						
	337				+3.7	74 270°	-1.7	+2.0	3846.8		BS								
321	227		166° 35'	✓	5.0	89° 40'	+1.3	-3.7		3843.1		-226	-26	2,521,452	384,762				
π	0				5.1	-		-5.1		3841.7	π	0	0	2,521,678	384,788				
322	106		26° 45'	~	6.6	90° 40'	-1.2	-7.8		3839.0		+73	+77	2,521,751	384,865				
323	436		26° 35'	~	5.7	90° 10'	-1.3	-6.5		3840.3		+360	+317	2,521,978	385,105				
TP	715		24° 25' 08"	~	13.7	89° 40'	+4.2	-9.5		3	TP	+511	+500	2,522,189	385,288				
TP	715				13.8	270° 20'	+4.2	-9.6		3837.2	TP								
	327		229° 55' 22"	+20.0	+12.6	91° -	+5.7	+18.3	3855.5		BS	+112	+307						
	327				+6.9	92° -	+11.4	+18.3			BS								
324	281		228° 45'	~	4.8	92° 30'	-12.3	-17.1		3838.4		-102	-262	2,522,149	385,333				
π	0				5.1	-		-5.1		3850.4	π	0	0	2,522,301	385,575				
325	49		53° 35'	~	4.5	89° 30'	+0.4	-4.1		3851.4		+14	+47	2,522,315	385,642				
TP	302		53° 24' 47"	~	4.9	90° 30'	-2.6	-7.5		3	TP	+86	+289	2,522,387	385,884				
TP	302				5.8	90° 20'	-1.8	-7.6		3847.9	TP								
	294		217° 08' 28"	~	+5.7	89° -	-5.1	+0.6	3848.5		BS	+159	+247						
	294				+4.9	89° 10'	-4.3	+0.6			BS								
326	212		216° 40'	-	4.8	89° -	+3.7	-1.1		3847.4		-117	-177	2,522,429	385,954				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE						
8-20-85		B. Cotcamp		B. SALDIVAR		6834					2		52						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		CLIFFY mtn 7 1/2'		Idaho		Boundary								4. Cassidy					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
									3848.5										
π	0				5.1	-		-5.1		3843.4	π	0	0	2522.546	386.131				
327	118		27° -	+20.0	6.2	92° -	-4.1	-10.3		3838.2		+80	+86	2522.626	386.217				
TP	355		24° 35' 21"	--	9.3	92° -	-12.4	-21.7		3826.8	TP	+253	+249	2522.799	386.380				
TP	355				9.2	268° -	-12.4	-21.6			TP								
	338		192° 42' 19"	--	+9.4	82° -	-12.7	-8.3	3818.5		BS	+284	+182						
	338				+8.4	87° 10'	-16.7	-8.3			BS	-	-						
328	248		192° 35'	+20.0	5.9	87° 40'	+10.1	+4.2		3822.7		-209	-134	2522.874	386.428				
π	0				5.1	-		-5.1		3813.4	π	0	0	2523.083	386.562				
329	80		0° 10'	--	6.6	87° 40'	+0.5	-6.1		3812.4		+75	+28	2523.158	386.590				
TP	320		358° 47' 33"	--	10.3	88° 20'	+9.3	-1.0		3817.5	TP	+303	+103	2523.386	386.665				
TP	320				9.4	88° 30'	+8.4	-1.0			TP								
	424		206° 17' 28"	+20.0	+7.2	89° -	-7.4	-0.2	3817.3		BS	+293	+306						
	424				+6.0	89° 10'	-6.2	-0.2			BS								
330	330		205° 35'	--	4.0	89° -	+5.8	+1.8		3819.1		-231	-236	2523.448	386.735				
331	0				5.1	-		-5.1		3812.2	π	0	0	2523.679	386.971				
TP	185		32° 43' 51"	--	4.0	89° -	+3.2	-0.8		3816.5	TP	+112	+447	2523.791	387.118				
TP	185				3.5	89° 10'	+2.7	-0.8			TP								
	226		256° 23' 35"	--	+6.6	89° -	-3.9	+2.7	3		BS	-25	+225						
	226				+5.9	89° 10'	-3.3	+2.6	3819.1		BS								
332	78		252° 20'	--	4.6	89° 10'	+1.1	-3.5		3815.6		+4	-78	2523.770	387.265				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE						
8-20-85		B. Cotcamp		B. SALDIVAR		6834					2		53						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		CLIFTY Mtn. - 7 1/2'		Id.		Boundary								W. Cassidy					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
									3819.1										
κ	0				5.1	-		-5.1		3814.0	κ	0	0	2523.766	387.943				
333	247		54° 12' 03"	+20.0	5.0	90° 40'	-2.9	-7.9		3811.2	TP	+67	+238	2523.833	387.581				
333	247				4.9	269° 20'	-2.9	-7.8			TP								
	184		206° 06' 28"	-	+2.2	89° -	-3.2	-1.0			BS	+128	+133						
	184				+2.1	271° -	-3.2	-1.1	3810.1		BS								
κ	0				5.1	-		-5.1		3805.0	κ	0	0	2523.961	387.714				
334	142		0° 30'	-	5.6	91° -	-2.5	-8.1		3802.0		+133	+50	2524.094	387.764				
TP	264		357° 58' 36"	-	9.0	74	+1.3	-7.7		3802.4	TP	+251	+81	2524.212	387.795				
TP	264				8.9	74 270° -	+1.3	-7.6			TP								
	238		199° 38' 16"	+20.0	+11.4	-		+11.4			BS	+183	+152						
	238				11.3	270° -		+11.3	3813.7		BS								
335	33		191° 10'	-	5.4	90° 20'	-0.2	-5.6		3808.1		-28	-17	2524.367	387.930				
κ	0				5.1	-		-5.1		3808.6	κ	0	0	2524.395	387.947				
336	299		33° 40'	-	5.0	90° 20'	-1.7	-6.7		3807.0		+177	+241	2524.522	388.188				
TP	412		32° 59' 42"	-	6.2	70° 40'	-4.8	-11.0		3802.7	TP	+248	+329	2524.643	388.276				
TP	412				6.1	269° 20'	-4.8	-10.9			TP								
	249		220° 29' 10"	-	+7.4	86° -	-17.4	-10.0	3792.7		BS	+122	+216						
	249				+3.0	87° -	-13.0	-10.0			BS								
337	33		214° 40'	-	5.7	87° -	+1.7	-4.0		3788.7		-19	-27	2524.746	388.465				
κ	0				5.1	-		-5.1		3787.6	κ	0	0	2524.765	388.492				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE						
8.20-85		B. Gtcomp		D. SALDIVAR		6834					2		54						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Edaho		CLIFTY mtn.		Nev. Id.		Boundary								W. Cassidy					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS K TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									3792.7										
TP	236		82° 00' 09"	+20.0	5.0	93° 30'	-14.4	-19.4		3773.3	TP	-49	+230	2524.716	388.722				
TP	236				4.3	93° 40'	-15.1	-19.4			TP								
	290		209° 19' 21"	-	+2.2	88° -	-10.1	-7.9	3765.4		BS	+189	+220						
	270				+1.4	88° 10'	-9.3	-7.9			BS								
338	228		206° 45'	-	6.2	88° 10'	+7.3	+1.1		3766.5		-156	-166	2524.749	388.776				
K	0				5.1	-		-5.1		3760.3	K	0	0	2524.905	388.942				
339	101		42° 50'	-	6.8	90° 10'	-0.3	-7.1		3758.3		+46	+90	2524.951	389.032				
TP	254		48° 42' 43"	-	6.9	90° 10'	-0.7	-7.6		3757.8	TP	+92	+237	2524.997	389.179				
TP	254				6.8	269° 50'	-0.7	-7.5			TP								
	364		197° 33' 10"	+20.0	+8.7	85° 50'	-26.4	-17.7	3740.1		BS	+288	+221						
	364				+8.6	274° 10'	-26.4	-17.8			BS								
340	189		194° -	-	7.9	86° 10'	+12.6	+4.7		3744.8		-157	-106	2525.128	389.294				
K	0				5.1	-		-5.1		3735.0	K	0	0	2525.285	389.400				
341	144		45° 40'	-	5.3	92° 10'	-5.4	-10.7		3729.4		+59	+131	2525.344	389.531				
TP	230		56° 27' 58"	-	3.2	92° 10'	-8.7	-11.9		3728.2	TP	+54	+223	2525.339	389.623				
TP	230				3.9	92° -	-8.0	-11.9			TP								
	162		210° 54' 39"	+20.0	+3.4	-		+3.4	3731.6		BS	+102	+126						
	162				+2.6	BH	+0.8	+3.4			BS								
K	0				5.1	-		-5.1		3726.5	K	0	0	2525.441	389.749				
342	58		55° 15'	-	5.8	92° 20'	-2.4	-8.2		3723.4		+15	+56	2525.456	389.805				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE						
8-20-85		B. Cotcamp		B. SALDIVAR		6834					2		55						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		CLIFTY Mtn. 7 1/2'		Id.		Boundary								W. Cassidy					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
									3731.6										
TP	285		50° 23' 02"	+20.0	8.5	90° 20'	-1.7	-10.2		3721.4	TP	+96	+268	2525.537	390.017				
TP	285				8.4	269° 40'	-1.7	-10.1			TP								
	141		242° 55' 24"	-	3.6	-		+3.6	3725.6		BS	+17	+140						
	141				3.5	270° -		+3.5			BS								
X	0				5.1	-		-5.1		3719.9	X	0	0	2525.554	390.157				
343	37		242° 10'	-	6.7	-		-5.1		3719.9		-5	-37	2525.549	390.120				
344	290		50° 50'	-	6.7	-		-6.7		3718.3		+95	+274	2525.649	390.431				
TP	317		48° 27' 16"	-	8.7	-		-6.7		3718.3	TP	+116	+295	2525.670	390.452				
TP	317				8.2	TH	+1.6	-6.6			TP								
	516		212° 49' 04"	+20.0	+1.0	89° -	-9.0	-8.0	3710.3		BS	+312	+411						
	516				+0.9	271° -	-9.0	-8.1			BS								
345	214		212° 15'	-	5.2	89° -	+3.7	-1.5		3708.8		-131	-169	2525.851	390.694				
X	0				5.1	-		-5.1		3705.2	X	0	0	2525.982	390.863				
346	121		66° -	-	5.7	-		-5.7		3704.6		+8	+21	2525.990	390.984				
347	450		64° 05'	-	12.8	TH	-2.3	-15.1		3695.2		+46	+448	2526.028	391.311				
TP	556		62° 41' 38"	-	6.1	91° 20'	-12.9	-19.0		3691.3	TP	+71	+551	2526.053	391.414				
TP	556				6.0	268° 40'	-12.9	-18.9			TP								
	426		231° 04' 34"	+20.0	+4.7	88° 30'	-11.2	-6.5	36		BS	+138	+403						
	426			-	+4.6	271° 30'	-11.2	-6.6	3687.7		BS								
348	206		231° 40'	-	6.7	89° -	+3.6	-3.1		3681.6		-65	-196	2526.126	391.621				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-20-85		B. [redacted]		B. SALDIVAR		6834		B.C.W.		2		56			
AREA		TOPQ MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		CLIFTY mtn. - 7 1/2'		Idaho		Boundary								W. Cassidy	
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
									3684.7						
X	0				5.1	-		-5.1		3679.6	X	0	0	2526,191	391,817
349	123		66° 35'	+20.0	5.7	91° 20'	-2.9	-8.6		3676.1		+7	+123	2526,191	391,940
TP	202		61° 47' 18"	--	5.0	91° 20'	-4.7	-9.7		3675.0	TP	+29	+200	2526,226	392,017
TP	202				5.6	91° 10'	-4.1	-9.7			TP				
	251		217° 41' 06"	~ +	4.0	-		+4.0	3679.0		BS	+134	+212		
	251				+5.3	TM	-1.3	+4.0			BS				
350	0				5.1	-		-5.1		3673.9	X	0	0	2526,354	392,229
351	328		35° 45'	+20.0	4.4	91° 50'	-10.5	-14.9		3664.1		+185	+271	2526,539	392,500
TP	431		33° 47' 08"	--	4.9	91° 50'	-13.8	-18.7		3660.3	TP	+255	+348	2526,609	392,577
TP	431				6.2	91° 40'	-12.5	-18.7			TP				
	227	225.8	216° 20' 09"	~	+12.7	84° -	-23.7	-11.0	3649.3		BS	+125	+188		
	227				+12.6	276° -	-23.7	-11.1			BS				
352	0				5.1	-		-5.1		3644.2	X	0	0	2526,734	392,765
353	327		40° 26' 04"	--	8.2	92° 20'	-13.3	-21.5		3627.8	TP	+161	+284	2526,895	393,049
353	327				8.1	267° 40'	-13.3	-21.4			TP				
	199		117° 53' 36"	--	+7.2	89° -	-3.5	+3.7	3631.5		BS	+157	+122		
	199				+7.1	271° -	-3.5	+3.6			BS				
X	0				5.1	-		-5.1		3626.4	X	0	0	2527,052	393,171
354	128		9° 35'	~	5.9	90° 40'	-1.5	-7.4		3624.1		+111	+63	2527,063	393,234
TP	241		15° 18' 46"	~	13.6	88° 40'	+5.6	-8.0		3623.5	TP	+197	+139	2527,249	393,310

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-20-85		B. Cotcamp		B. SALDIVAR		6834				2		57			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
						Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									3623.5						
	114		194° 02' 14"	+20.0	3.2	87° -	-6.0	-2.8	3620.7		BS	+94	+64		
	114				+2.9	87° 10'	-5.6	-2.7			BS				
X	0				5.1	-		-5.1	3615.7		X	0	0	2,527,343	393,374
355	96		41° 30'	-	6.3	94° 20'	-7.3	-13.6	3607.1			+46	+84	2,527,389	393,458
356	426		41° 55'	-	5.8	94° -	-29.7	-35.5	3585.2			+201	+376	2,527,544	393,750
TP	485	483.8	41° 35' 03"	-	2.8	94° -	-33.8	-41.6	3579.1		TP	+230	+426	2,527,573	393,800
TP	485				7.7	94° rev.	-33.8	-41.5			TP				
	269	268.0	245° 52' 53"	+20.0	+7.0	85° -	-23.4	-16.4	3562.7		BS	+19	+267		
357	0				+5.1	-		-5.1			X	0	0	2,527,592	394,067
358	330		48° 30'	-	8.3	92° 30'	-14.4	-22.7	3540.0			+121	+307	2,527,713	394,374
TP	540		48° 22' 06"	-	9.1	92° 30'	-23.6	-32.7	3530.0		TP	+199	+501	2,527,791	394,568
TP	540				7.6	92° 46'	-25.1	-32.7			TP				
	290	288.4	252° 13' 27"	+20.0	+7.4	84° -	-30.3	-22.9	3507.1		BS	-11	+288		
	290				6.2						BS				
359	168		250° 20'	-	6.2	84° -	+17.6	+11.4	3518.5			+1	-168	2,527,781	394,688
X	0				5.1	-		-5.1	3502.0		X	0	0	2,527,780	394,856
360	156		103° 50'	-	6.6	94° -	-10.9	-17.5	3489.6			-87	+130	2,527,693	394,986
TP	258		92° 57' 04"	-	12.0	92° 30'	-11.3	-23.3	3483.8		TP	-101	+237	2,527,679	395,093
	165		214° 51' 10"	-	+3.3	86° 30'	-10.1	-6.8			BS	+95	+135		
X	0				5.1	-		-5.1	3471.9		X	0	0	2,527,774	395,228

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
8-21-85		B. Cotcamp		B. Saldovar		6834					2		58		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		CLIFFY mtn. - 7 1/2		Id.		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									3477.0						
361	52		18° 40'	+20.0	5.8	91° 10'	-1.1	-6.9		3470.1		+41	+32	2,527,815	395,260
A	184		29° 25' 22"	--	10.1	90° 36'	-1.9	-12.0		3465.0		+120	+140	2,527,894	395,368
362	153		94° 30'	--	5.2	94° 10'	-11.1	-16.3		3460.7		-63	+139	2,527,711	395,367
TP	289	288.2	117° 48' 20"	--	4.8	94° 10'	-21.0	-25.8		3451.2	TP	-214	+194	2,527,560	395,422
	296		263° 43' 23"	--	4.0	87° -	-15.5	-11.5	3439.7		BS	-70	+287	2-	
363	147		271° 10'	--	5.6	88° 10'	+4.7	-0.9		3438.8		+53	-137	2,527,543	395,572
X	0				5.1	-		-5.1		3434.6	X	0	0	2,527,490	395,709
364	183		120° 10'	+20.0	5.6	94° 20'	-13.8	-19.4		3420.3		-141	+117	2,527,349	395,826
TP	356	355.4	123° 11' 33"	--	10.8	93° 20'	-20.7	-31.5		3408.2	TP	-285	+213	2,527,205	395,922
	366		315° 54' 43"	--	3.5	87° -	-19.2	-15.7	3392.5		BS	-334	+149		
365	214		319° 25'	--	6.3	86° 20'	+13.7	+7.4		3399.9		+200	-75	2,527,543	395,996
X	0				5.1	-		-5.1		3387.4	X	0	0	2,526,871	396,071
366	108		115° 10'	+20.0	6.9	92° 20'	-4.4	-11.3		3381.2		-77	+76	2,526,794	396,147
TP	241		120° 29' 36"	--	5.6	91° 20'	-5.6	-11.2		3381.3	TP	-186	+153	2,526,685	396,224
	294		281° 41' 41"	--	6.1	TH	-1.5	+4.6	3385.9		BS	-154	+250		
367	110		290° 55'	--	9.1	-		-9.1		3376.8		+72	-83	2,526,603	396,391
X	0				5.1	-		-5.1		3380.8	X	0	0	2,526,531	396,474
368	217		141° 35'	--	5.8	92° 30'	-9.5	-15.3		3370.6		-204	+69	2,526,325	396,543
TP	252		137° 02' 40"	--	5.6	93° -	-13.2	-18.8		3367.1	TP	-232	+98	2,526,299	396,572
	344		281° 59' 42"	--	10.9	83° -	-41.9	-31.0	3336.1		BS	-181	+290		

4-2,527,815 x - 395,355

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
8-21-85		B. Cotnam		B. SALDIVAR		6834					2		59		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		CLIFTY mtn-7 1/2'		Id.		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS K TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3336.1						
369	58		294° 55'	+20.0	5.6	84° 30'	+5.6	+0.0		3336.1		+41	-41	2526.159	396.821
	K	0			5.1	-		-5.1		3331.0	K	0	0	2526.118	396.862
	TP	128	118° 30'	--	8.3	94° 30'	-10.0	-18.3		3317.8	TP	-96	+85	2526.022	396.947
		136	239° 05 33	-	+6.1	83° -	-16.6	-10.5	3307.3		BS	+26	+133		
370	0				5.1	-		-5.1		3302.2	K	0	0	2526.048	397.080
371	329		140° 40'	+20.0	10.0	92° -	-11.5	-21.5		3285.8		-310	+109	2525.738	397.189
	TP	370	139° 08 04	--	9.3	92° 20'	-15.1	-24.4		3282.9	TP	-345	+132	2525.703	397.212
		343	290° 16 42	--	+5.0	89° -	-6.0	-1.0	3		BS	-222	+262		
		343			+4.9	271° -	-6.0	-1.1	3281.8		BS				
372	61		275° 25'	--	6.8	91° -	-1.1	-7.9		3273.9		+26	-55	2525.511	397.419
	K	0			5.1	-		-5.1		3276.7	K	0	0	2525.481	397.474
373	260		97° 40'	--	7.0	91° -	-4.5	-11.5		3270.3		-121	+230	2525.360	397.704
	TP	347	97° 41 21	-	10.9	91° -	-6.1	-17.0		3264.8	TP	-161	+307	2525.320	397.781
		426	284° 19 58	--	+13.9	86° 10'	-28.5	-14.6	3250.2		BS	-240	+351		
374	183		283° 20'	-	5.2	87° 20'	+8.5	+3.3		3253.5		+101	-153	2525.181	397.979
	K	0			5.1	-		-5.1		3245.1	K	0	0	2525.080	398.132
375	152		76° 45'	+20.0	6.1	90° 20'	-0.9	-7.0		3243.2		-18	+151	2525.062	398.283
376	481		75° 40'	--	4.5	89° -	+8.4	+3.9		3254.1		-47	+479	2525.033	398.611
	TP	665	75° 01 58	--	9.8	89° -	+11.6	+1.8		3252.0	TP	-58	+662	2525.022	398.794
		225	303° 59 10	-	+1.6	74	-1.1	+0.5	3252.5		BS	-182	+132		

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
8-21-85		B. Cctamp		B. SALDIVAR		6834					2		60		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		CLIFTY Mtn-7E'		Id.		Boundary								W. Cass, Jr	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									3252.5						
377	68		306°	+20.0	5.2	88°10'	+2.2	-3.0		3249.5		+56	-38	2,524,896	398,888
π	0				5.1	-		-5.1		3247.4	π	0	0	2,524,840	398,926
378	261		131°45'	-	6.7	91°40'	-7.6	-14.3		3238.2		-230	+124	2,524,610	399,050
TP	316		130°09'20"	-	5.4	92°	-11.0	-16.4		3236.1	TP	-274	+157	2,524,566	399,083
	99		263°14'03"	-	+3.6	-		+3.6	3239.7		BS	-23	+96		
π	0				5.1	-		-5.1		3234.6	π	0	0	2,524,543	399,179
379	150		35°45'	+20.0	5.5	92°10'	-5.7	11.2		3228.5		+84	+124	2,524,627	399,303
TP	307		50°28'	-	7.3	92°20'	-12.5	-19.8		3219.9	TP	+103	+289	2,524,646	399,468
	228		255°45'33"	-	+4.5	-		+4.5	3224.4		BS	-23	+227		
380	68		255°	-	5.5	-		-5.5		3218.9		+6	-68	2,524,629	399,627
π	0				5.1	-		-5.1		3219.3	π	0	0	2,524,623	399,695
381	263		109°35'	+20.0	4.7	92°	-9.2	13.9		3210.5		-168	+203	2,524,455	399,898
TP	330		107°29'21"	-	2.0	92°	-11.5	13.5		3210.9	TP	-201	+262	2,524,422	399,957
	124		267°28'32"	-	+8.2	-		+8.2	3219.1		BS	-37	+118		
π	0				5.1	-		-5.1		3214.0	π	0	0	2,524,385	400,075
382	136		62°45'	-	5.1	88°40'	+3.2	-1.9		3217.2		+17	+135	2,524,402	400,210
TP	250		62°52'13"	-	3.7	89°30'	+2.2	-1.5		3217.6	TP	+31	+248	2,524,416	400,323
	182		275°19'57"	-	+1.8	-		+1.8	3219.4		BS	-78	+165		
π	0				5.1	-		-5.1		3214.3	π	0	0	2,524,338	400,488
383	36		120°20'	-	6.4	-		-6.4		3213.0		-28	+23	2,524,310	400,511

SURVEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
8-21-85		B. Cotcamp		B. SALDIVAR		6834					2		61		
AREA		TOP MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		CLIFTY mtn - 74'		Idaho		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
									3219.4						
TP	183		104° 20' 54"	+20.0	12.7	91°	-3.2	-15.9	3203.5	TP	-103	+151	2,524,235	400,639	
	594		248° 52' 10"	--	+5.6	-		+5.6	3209.1	BS	+12	+594			
384	431		248° 40'	--	5.1	-		-5.1	3204.0		-10	-431	2,524,237	400,802	
385	103		252° 55'	--	5.3	-		-5.3	3203.8		+5	-103	2,524,252	401,130	
π	0				5.1	-		-5.1	3204.0	π	0	0	2,524,247	401,233	
386	229		115° 50'	+20.0	4.2	91°	-4.0	-8.2	3200.9		-164	+160	2,524,083	401,393	
TP	264		113° 14' 25"	--	4.2	91°	-4.6	-8.8	3200.3	TP	-181	+192	2,524,066	401,425	
	226		264° 27' 22"	--	+3.5	87°	-11.8	-8.3	3192.0	BS	-56	+219			
π	0				5.1	-		-5.1	3186.9	π	0	0	2,524,010	401,644	
387	57		101° 20'	+20.0	5.5	94°	-4.0	-9.5	3182.5		-30	+49	2,523,980	401,693	
TP	248		97° 23' 36"	--	5.2	92° 30'	-10.8	-16.0	3176.0	TP	-114	+220	2,523,896	401,864	
	149		265° 34' 33"	--	+4.2	88° 10'	-4.8	-0.6	3175.4	BS	-40	+143			
	149				+4.2	271° 50'	-4.8	-0.6		BS					
388	16		289°	--	4.4	-		-4.4	3171.0		+10	-12	2,523,866	401,995	
π	0				5.1	-		-5.1	3170.3	π	0	0	2,523,856	402,007	
TP	261		101° 00' 39"	--	2.6	93°	-13.7	-16.3	3159.1	TP	-134	+223	2,523,722	402,230	
	98		307° 12' 18"	--	+7.5	88°	-3.4	+4.1	3163.2	BS	-82	+53			
389	62		282° 50'	--	6.1	-		-6.1	3157.1		+34	-52	2,523,674	402,231	
π	0				5.1	-		-5.1	3158.1	π	0	0	2,523,640	402,283	
390	258		115° 50'	--	3.7	95°	-22.5	-26.2	3137.0		-148	+180	2,523,455	402,463	

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE					
8-21-85		B. Camp		B. SALDIVAR		6834					2	62					
AREA		TOPO. MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
Idaho		CLIFTY mtn. -7 1/2'	Id.	Boundary					W. Cassidy								
STATION NO.	SLOPE DISTANCE	PLOTTING 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		
									3163.2								
TP	316	315.0	114° 14' 34"	+20.0	2.1	94° 40'	-25.7	-27.8		3135.4	TP	-220	+226	2,523,420	402,509		
	458		255° 14' 10"	-	+4.3	88° 30'	-12.0	-7.7	3127.7		BS	-42	+456				
391	193		251° 40'	-	4.1	89° 10'	+2.8	-1.3		3126.4		+6	-193	2,523,384	402,772		
π	0			-	5.1	-		-5.1		3122.6	π	0	0	2,523,378	402,965		
392	133		68° 40'		6.2	92° 10'	-5.0	-11.2		3116.5		+3	+133	2,523,381	403,048		
TP	353		67° 24' 48"	+20.0	3.5	92° -	-12.3	-15.8		3111.9	TP	+16	+352	2,523,394	403,317		
	277		265° 22' 18"	-	+4.1	86° -	-19.3	-15.2	309		BS	-73	+266				
	277			-	+4.0	274° -	-19.3	-15.3	3096.6		BS						
393	163		265° 10'	-	5.1	86° 10'	+10.9	+5.8		3102.4		+43	-157	2,523,364	403,426		
π	0				5.1	-		-5.1		3091.5	π	0	0	2,523,321	403,583		
394	166		91° 30'	+20.0	6.0	95° 10'	-14.9	-20.9		3075.7		-61	+154	2,523,260	403,737		
TP	321	320.2	90° 15' 46"	-	5.5	94° 10'	-23.3	-28.8		3067.8	TP	-111	+300	2,523,210	403,883		
	166	165.4	258° 36' 43"	-	+4.4	85° -	-14.5	-10.1	3057.7		BS	+86	+141				
395	0			-	5.1	-		-5.1		3052.6	π	0	0	2,523,296	404,024		
TP	309	308.2	31° 08' 21"	-	5.3	94° 10'	-22.5	-27.8		3029.9	TP	+193	+240	2,523,489	404,264		
	784		245° 21' 09"	+20.0	+4.5	88° 36'	-19.2	-14.7			BS	+64	+781				
	784			-	4.4	271° 24'	-19.2	-14.8	3015.1		BS						
396	761		245° 30'	-	4.8	88° 40'	+17.7	+12.9		3028.0		-60	-759	2,523,493	404,286		
397	447		244° 10'	-	6.6	74	+2.2	-4.4		3010.7		-45	-445	2,523,508	404,600		
398	122		254° 40'	-	4.9	-		-4.9		3010.2		+10	-122	2,523,563	404,923		

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE				
8-21-85		B. C. Camp		B. SALDIVAR		6834					2	63				
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Idaho		CLIFTY mtv- 7 1/2'	Idaho	Bonanza					W. Cassidy							
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									3015.1							
π	0				5.1	-		-5.1		3010.0	π	0	0	2523.553	405.045	
399	207		88° 50'	+20.0	5.1	-		-5.1		3010.0		-67	+196	2523.486	405.241	
400	533		84° 05'	-	6.3	-		-6.3		3008.8		-130	+517	2523.423	405.562	
TP	781		83° 55' 22"	-	5.8	-		-5.8		3009.3	TP	-188	+758	2523.365	405.803	
TP	781				9.7	TH	+3.9	-5.8			TP					
	328		248° 51' 06"	+20.0	+4.7	-		+4.7	3014.0		BS	+7	+328			
	328				+6.3	TH	-1.6	+4.7			BS					
401	248		246°	-	4.6	-		-4.6		3009.4		-17	-247	2523.355	405.884	
π	0				5.1	-		-5.1		3008.9	π	0	0	2523.372	406.131	
402	81		88°	-	5.2	-		-5.2		3008.8		-25	+77	2523.347	406.208	
403	391		76° 40'	-	5.2	-		-5.2		3008.8		-45	+388	2523.327	406.519	
404	720		78°	-	2.9	BH	-3.6	-6.5		3007.5		-100	+713	2523.272	406.844	
TP	796		77° 29' 33"	-	6.0	-		-6.0		30	TP	-104	+789	2523.268	406.920	
TP	796				10.1	TH	+4.0	-6.1		3007.9	TP					
	152		235° 14' 40"	+20.0	+4.3	-		+4.3	3012.2		BS	+39	+147			
	152				+5.1	TH	-0.8	+4.3			BS					
π	0				5.1	-		-5.1		3007.1	π	0	0	2523.307	407.067	
405	104		47° 25'	-	4.8	-		-4.8		3007.4		+40	+96	2523.347	407.163	
TP	187		47° 26' 52"	-	0.7	-		-0.7		3011.5	TP	+72	+173	2523.379	407.240	
TP	187				1.6	TH	+0.9	-0.7			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.	PAGE		
8-21-85		B. Cotcamp		B. SALDIVAR		6834					2	64		
AREA		TOPQ MAP	STATE	COUNTY		TWP	RANGE	PPM		PARTY MANAGER				
Idaho		CLIFTY mtn - 7 1/2'	Id.	Boundary						W. Cassidy				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										3011.5				
	300		243° 13' 04"	+20.0	1.9	-		+1.9	3013.4		BS	+35	+298	
	300			--	+3.4	TH	-1.5	+1.9			BS			
406	71		236° 40'	--	5.5	-		-5.5		3007.9		-16	-69	2523.398 407.469
X	0				5.1	-		-5.1		3008.3	X	0	0	2523.414 407.538
407	257		46° 10'	+20.0	4.9	-		-4.9		3008.5		+104	+235	2523.518 407.773
TP	454		45° 26' 21"	--	4.3	TH	+2.3	-2.0		3011.4	TP	+189	+413	2523.603 407.951
TP	454			--	4.2	TH ₂₇₀	+2.3	-1.9			TP			
	187		228° 37' 03"		+3.3	-		+3.3	3014.7		BS	+68	+174	
	187				+4.2	TH	-0.9	+3.3			BS			
408	67		197° 35'	+20.0	4.1	-		-4.1		3010.6		-53	-41	2523.618 408.084
X	0			--	5.1	-		-5.1		3009.6	X	0	0	2523.671 408.125
TP	174		39° 11' 16"		6.4	-		-6.4		3008.3	TP	+89	+149	2523.760 408.274
TP	174			--	7.3	TH	+0.9	-6.4			TP			
	297		240° 37' 41"	--	+5.7	-		+5.7	3014.0		BS	+48	+293	
	297				+4.2	TH	+1.5	+5.7			BS			
409	210		240° -	+20.0	5.2	-		-5.2		3008.8		-36	-207	2523.772 408.360
X	0				5.1	-		-5.1		3008.9	X	0	0	2523.808 408.567
416	119		62° 10'	--	6.0	-		-6.0		3008.0		+16	+118	2523.824 408.685
411	439		49° 26' 09"	--	7.2	-		-7.2		3006.8	TP	+154	+411	2523.962 408.978
411	439			--	9.4	TH	+2.2	-7.2			TP			

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
8-21-85		B. Cotcamp		B. SALDIVAR		6834					2		65		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho				Id.		Boundary								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	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
										3006.8					
	262		241° 44' 40"	+20.0	+6.1	-		+6.1	3012.9		BS	+38	+259		
	262				+7.4	TH	-1.3	+6.1			BS				
	π	0			5.1	-		-5.1		3007.8	π	0	0	2,524,000	409,237
412	51		49° -	-	4.5	-		-4.5		3008.4		+18	+48	2,524,018	409,285
413	381		44° 51' 51"	-	4.1	-		-4.1		3008.8	TP	+162	+345	2,524,162	409,582
413	381				6.0	TH	+1.9	-4.1			TP				
	936		234° 10' 10"	+20.0	+3.4	-		+3.4	3012.1		BS	+255	+901		
	936				+3.3	270-		+3.3			BS				
414	607		233° 15'	-	4.5	-		-4.5		3007.6		-175	-581	2,524,242	409,902
415	278		229° 30'	-	4.7	-		-4.7		3007.4		-97	-260	2,524,320	410,223
	π	0			5.1	-		-5.1		3007.0	π	0	0	2,524,417	410,483
416	54		29° 05'	-	4.5	-		-4.5		3007.6		+35	+41	2,524,452	410,524
417	384		29° 35'	-	4.6	-		-4.6		3007.4		+249	+292	2,524,666	410,775
418	711		26° 22' 49"	-	5.6	-		-5.6		3006.5	TP	+491	+515	2,524,908	410,998
418	711				5.5	270-		-5.5			TP				
	659		198° 41' 09"	+20.0	+6.0	-		+6.0	3012.5		BS	+514	+412		
	659				+5.9	270-		+5.9			BS				
419	330		199° 25'	-	5.3	-		-5.3		3007.2		-254	-210	2,525,168	411,200
420	0				5.1	-		-5.1		3007.4	π	0	0	2,525,422	411,410
421	330		24° 50'	-	5.2	-		-5.2		3007.3		+234	+233	2,525,656	411,643

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-22-85		B. Cotcamp		B. SALDIVAR		6834				2		66			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		LEONIA - 7 1/2'		Id.		Boundary								W. Cassidy	
STATION NO.	SLOPE 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
									3012.5						
422	660		24° 15'	+20.0	5.2	-		-5.2		3007.3		+473	+461	2,525,895	411,871
TP	947		24° 29' 33"	-	5.3	-		-5.3		3007.2	TP	+676	+664	2,526,098	412,074
TP	947				5.2	270° -		-5.2			TP				
	649		206° 24' 28"	-	+4.7	-		+4.7	3011.9		BS	+448	+470		
	649				+4.6	270° -		+4.6			BS				
423	607		206° -	-	5.0	-		-5.0		3006.9		-422	-437	2,526,124	412,107
424	278		204° 40'	-	4.9	-		-4.9		3007.0		-198	-195	2,526,348	412,349
π	0				5.1	-		-5.1		3006.8	π	0	0	2,526,546	412,544
425	51		15° 30'	+20.0	5.0	-		-5.0		3006.9		+42	+30	2,526,588	412,574
426	380		10° 05'	-	4.8	-		-4.8		3007.1		+329	+190	2,526,875	412,734
TP	627		8° 34' 57"	-	5.2	-		-5.2		3006.7	TP	+551	+300	2,527,077	412,844
TP	627				5.1	270° -		-5.1			TP				
	301		162° 30' 46"	+20.0	+3.2	-		+3.2	3009.9		BS	+301	+13		
	301				+4.7	TH	-1.5	+3.2			BS				
427	217		163° 05'	-	4.1	-		-4.1		3005.8		-217	-12	2,527,181	412,845
π	0				5.1	-		-5.1		3004.8	π	0	0	2,527,398	412,857
428	102		317° 10'	-	4.0	-		-4.0		3005.9		+94	-40	2,527,492	412,817
TP	226		317° 34' 30"	-	2.3	-		-2.3		3007.6	TP	+209	-86	2,527,607	412,771
TP	226				2.2	270° -		-2.2			TP				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
8-21-85		B. Cotamp		B. SALDIVAR		6834					2		67		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Idaho		LEONIA - 7 1/2'		ID		Boundary								W. Cass. dy	
STATION NO.	SLOPE 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
										3007.6					
	211		180° 17' 32"	+20.0	+6.2	-		+6.2	3013.8		BS	+198	+73		
	211				+5.1	BH	+1.1	+6.2			BS				
	45		192° 30'	-	4.9	-		-4.9		3008.9		-38	-24	2527.767	412.820
	0				5.1	-		-5.1		3008.7	TP	0	0	2527.805	412.844
	429	29	95° 10'	-	6.0	BH	-0.1	-6.1		3007.7		-12	+26	2527.793	412.869
	430	353	87° -	-	6.8	-		-6.8		3007.0		-103	+338	2527.702	413.173
	431	674	84° 33' 36"	-	6.6	BH	-3.4	-10.0		3003.8	TP	-169	+652	2527.636	413.496
	431	674			13.3	TH	+34	-9.9			TP				
	790		224° 54' 22"	+20.0	+7.3	89°	-13.8	-6.5	2997.3		BS	+335	+715		
	790				+7.2	271°	-13.8	-6.6			BS				
	432	459	223° 05'	-	10.0	89° 10'	+6.7	-3.3		2994.0		-208	-469	2527.763	413.802
	433	131	229° 40'	-	4.6	89° -	+2.3	-2.3		2995.0		-46	-123	2527.925	414.088
	NAIL	27	338° 12' 48"	-	2.6	-		-2.6		2994.7		+27	+1	2527.998	414.212
	TP	0			5.1	-		-5.1		2992.2	TP	0	0	2527.971	414.211
	434	199	68° 10'	+20.0	4.8	92° 30'	-8.7	-13.5		2983.8		+6	+199	2527.977	414.410
	TP	310	68° 15' 06"	-	4.0	92° 30'	-13.5	-17.5		2979.8	TP	+9	+310	2527.980	414.521
	TP	310			3.9	267° 30'	-13.5	-17.4			TP				
	578		206° 39' 03"	-	5.6	87° 30'	-25.2	-19.6	2960.2		BS	+396	+420		
	578				5.5	272° 30'	-25.2	-19.7			BS				
	435	364	204° 40'	-	5.0	87° 40'	+14.8	+9.8		2970.0		-259	-256	2528.117	414.685

X-412,815.9-2527,900
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5-2,527,635
TRAIL X-413,510

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE						
8-21-85		B. Cotamp		B. Saldivar		6834					2		68						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Idaho		LEONIA		Id.		Boundary								W. Crossley					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
									2960.2										
436	34		197° 40'	+20.0	5.2	87° 40'	+1.4	-3.8		2956.4		-27	-21	2528.349	414.920				
π	0				5.1	-		-5.1		2955.1	π	0	0	2528.376	414.941				
437	299		45° 20'	-	5.3	92° 10'	-11.3	-16.6		2943.6		+125	+272	2528.501	415.213				
TP	598		43° 17' 09"	-	6.1	92° 10'	-22.6	-28.7		2931.5	TP	+269	+534	2528.645	415.475				
TP	598				6.0	267° 50'	-22.6	-28.6			TP								
	476		191° 05' 32"	+20.0	5.5	87° 30'	-20.8	-15.3	2916.2		BS	+407	+246						
	476				5.4	272° 30'	-20.8	-15.4			BS								
438	445		191° 20'	-	4.8	87° 32'	+19.2	+14.4		2930.6		-380	-231	2528.672	415.490				
439	116		185° 15'	-	5.2	87° 30'	+5.1	-0.1		2916.1		-105	-49	2528.947	415.672				
41	84		189° 01' 35"	-	4.8	87° 40'	+3.4	-1.4		2914.8		-73	-41	2528.979	415.680				
π	0				5.1	-		-5.1		2911.1	π	0	0	2528.052	415.721				
440	213		352° 35'	+20.0	5.0	92° 20'	-8.7	-13.7		2902.5		+208	+46	2529.260	415.767				
441	539		349° 20'	-	7.5	92° 20'	-21.9	-29.4		2886.8		+532	+87	2529.584	415.808				
TP	669		355° 42' 33"	-	10.2	92° 20'	-27.2	-37.4		2878.8	TP	+643	+181	2529.675	415.902				
TP	669				10.1	267° 40'	-27.2	-37.3			TP								
	765		263° 48' 24"	-	5.0	86° 30'	-46.7	-41.7	2837.1		BS	+551	+529						
	765				4.9	273° 30'	-46.7	-41.8			BS								
442	581		203° -	-	5.8	86° 30'	+35.5	+29.7		2866.8		-425	-376	2529.821	416.035				
443	252		199° 10'	-	5.7	86° 30'	+15.4	+9.7		2846.8		-195	-159	2530.051	416.272				
π	0				5.1	-		-5.1		2832.0	π	0	0	2530.246	416.431				

