

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-27-85		B. Cotcamp		K. Greenfield		6834		KWT		8		1			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		MT. BONAPARTE-15'		WA.		OKANOGAN								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
K. U.S. CANADA BORDER			y- 734,760 x- 2435,200 (scaled)							2622.4	K				y-734,760 x-2435,200 K. U.S. CANADA BORDER E.L. 2622.4
	867		323 44 50	+18.9	8.6	-		+8.6	2631.0		BS	-828	+259		
	867		'	+	12.9	TH	-4.3	+8.6		BS					
1	705		316 50	--	11.9	-		-11.9		2619.1		+643	-290	734575	2435169
2	393		306 10	--	9.7	-		-9.7		2621.3		+322	-225	734,257	2435237
3	83		276 -	--	4.7	-		-4.7		2626.3		+35	-75	733967	2435384
K	0				5.1	-		-5.1		2625.9	K	0	0	733932	2435459
4	316		185 15'	+18.9	8.3	88 30'	+8.3	70.0		2631.0		-288	-129	733644	2435330
5	640		181 56 30	--	9.7	88 30'	+16.8	+7.1	2638.1		TP	-598	-228	733,334	2435231
5	640		'		9.6	271 30'	+16.8	+7.2		TP					
	1491		21 09 34	--	+12.7	BH	+7.5	+20.2	2658.3		BS	-1141	-960		
	1491				+12.6	BH 26'	+7.5	+20.1		BS					
6	1177		170 -	--	9.7	90 30'	-10.3	-20.0		2638.3		+953	+690	733146	2435224
7	849		16 -	+18.9	7.8	90 10'	-2.5	-10.3		2648.0		+696	+486	732889	2434967
8	542		6 15	--	7.8	-		-7.8		2650.5		+491	+230	732684	2434762
9	218		356 30	--	10.7	88 -	+7.6	-3.1		2655.2		+210	+58	732684	2434481
K	0				5.1	-		-5.1		2653.2	K	0	0	732193	2434271
10	119		203 10	--	4.8	87 -	+6.2	+1.4		2659.7		-88	-80	732,105	2434183
11	446		195 10	--	7.7	88 30'	+11.7	+4.0		2662.3		-369	-250	731,824	2433902
12	774		191 45	--	8.3	88 50'	+15.8	+7.5		2665.8		-666	-395	731527	2433605

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-30-85		B. Cotcamp		K. Greenfield		6834		B.C. U		8		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		MT. BONAPARTE-15		WA.		OKANOGAN								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
									4016.3						
186	54		180° 35'	+19.3	5.8	84° 30'	+5.2	-0.6		4015.7		-51	-18	679,813	2426,819
TP	283	281.9	165° 23' 30"	--	8.3	85° -	+24.7	+16.4		4032.7	TP	-281	-23	679,583	2426,814
TP	283				8.2	275° -	+24.7	+16.5			TP				
	965		315° 00' 27"	-- +	8.9	91° 40'	+28.1	+37.0	4069.7		BS	-86.9	+418		
	965				+6.1	91° 50'	+30.9	+37.0			BS				
187	877		314° 40'	+19.3	8.0	91° 30'	-23.0	-31.0		4038.7		+788	-385	679,502	2426,847
188	447		315° 25'	--	9.7	91° 30'	-11.7	-21.4		4048.3		+404	-191	679,269	2426,998
189	118		316° 30'	--	8.7	91° 30'	-3-1	-11.8		4057.9		+108	-48	678,914	2427,143
X	0				5.1	-	-	-5.1		4064.6	X	0	0	678,714	2427,232
190	121		171° 35'	+19.3	5.1	87° 30'	+5.3	+6.2		4069.9		-119	-23	678,595	2427,209
TP	352	351.3	173° 02' 39"	--	9.8	86° 30'	+21.5	+11.7		4081.4	TP	-343	-75	678,371	2427,157
TP	352				9.7	278° 30'	+21.5	+11.8			TP				
	479	478.3	3° 49' 53"	+19.3	8.3	93° -	+25.1	+33.4	4114.8		BS	-440	-188		
	479				+6.9	93° 10'	+26.5	+33.4			BS				
191	382		3° 30'	--	6.8	93° 10'	-21.1	-27.9		4086.9		+352	+148	678,283	2427,117
192	58		21° 10'	--	11.0	93° 10'	-3.2	-14.2		4100.6		+44	+38	677,975	2427,007
X	0				5.1	-	-	-5.1		4109.7	X	0	0	677,931	2426,969
193	294		145° 40'	--	9.1	89° 10'	+4.3	-4.8		4110.0		-284	+76	677,647	2427,045
194	623		147° -	--	11.6	89° 10'	+9.1	-2.5		4112.3		-605	+148	677,326	2427,117

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7-31-85		B. Cotcamp		K. Greenfield		6834		KUG		8		36				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
WASHINGTON		Heneas Valley - IS		WA		OKANOGAN								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	
									3937.8							
TP	869		142° 17' 33"	+18.6	7.1	91° 20'	-20.2	-27.3		3910.5	TP	-821	+284	638,731	2421,269	
TP	869				7.0	268° 40'	-20.2	-27.2			TP					
	658		295° 53' 04"	-	+1.3	88° 50'	-13.4	-12.1	3898.4		BS	-461	+469			
	658				+3.2	88° 40'	-15.3	-12.1			BS					
325	537		294° 55'	-	7.1	88° 30'	+14.1	+5.0		3905.4		+370	-389	638,640	2421,348	
326	207		-	-	8.0	88° 40'	+4.8	-3.2		3895.2		+143	-150	638,413	2421,587	
K	0				5.1	-		-5.1		3893.3	K	0	0	638,270	2421,737	
327	136		163° 45'	+18.6	5.9	-		-5.9		3892.5		-136	-6	638,134	2421,731	
328	466		164° 20'	-	5.3	-		-5.3		3893.1		-465	-24	637,805	2421,713	
329	796		-	-	9.6	-		-9.6		3888.8		-795	-41	637,475	2421,696	
TP	960		164° 25' 04"	-	12.2	-		-12.2		3886.2	TP	-959	-51	637,311	2421,686	
TP	960				12.1	270°		-12.1			TP					
	949		356° 21' 26"	+18.6	8.6	88° 30'	-24.8	-16.2	3870.0		BS	-917	-245			
	949				+5.8	88° 40'	-22.1	-16.3			BS					
330	789		355° 20'	-	5.9	88° 40'	+10.4	+12.5		3882.5		+766	+190	637,160	2421,631	
331	460		354° 30'	-	5.0	88° 40'	+10.7	+5.7		3875.7		+448	+104	636,842	2421,545	
332	132		346° -	-	6.0	88° 40'	+3.1	-2.9		3867.1		+132	+11	636,526	2421,452	
IL	89		352° 16' 50"	-	6.7	88° 40'	+2.1	-4.6		3865.4	IL	+87	+17	636,481	2421,458	IL y-Inter.
K	0				5.1	-		-5.1		3864.9	K	0	0	636,394	2421,441	

636,560 x 2421,500
y-Inter.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-31-85		B. Cotcamp		K. Greenfield		6834		KOLK		8		37			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON				WA		OKANOGAN								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
									3870.0						
TP	434				14.8	94° 22'	-33.0	-47.8	}	3822.2	TP				
TP	434				14.7	265° 38'	-33.0	-47.7		TP					
	421				+ 5.2	83° 30'	-47.7	-42.5	}	3779.7	BS				
	421				+ 4.0	83° 40'	-46.4	-42.4		BS					
X	0				5.1	-	-	-5.1		3774.6	X				
TP	1119				5.9	96° 20'	-123.4	-129.3	}	3650.4	TP				
TP	1119				9.2	96° 10'	-120.2	-129.4		TP					
	667				+ 4.2	85° 5'	-58.1	-53.9	}	3596.5	BS				
	667				+ 6.1	89° 50'	-60.1	-54.0		BS					
X	0				5.1	-	-	-5.1		3591.4	X				
TP	398				3.9	95° 50'	-40.5	-44.4	}	3552.1	TP				
TP	398				5.0	95° 46'	-39.2	-44.3		TP					
	158				+ 4.0	72° -	-48.8	-44.8	}	3507.3	BS				
	158				+ 3.9	288° -	-48.8	-44.9		BS					
X	0				5.1	-	-	-5.1		3502.2	X				
H	82				8.5	-	-	-8.5		3498.8	H				
H	102				3.2	-	-	-3.2		3504.1					Inter. EL. 3504.0