

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

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DATE		INSURUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-13-84		R. Trowbridge		B. Cotcamp		6834		B. Cotcamp		3		1			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
Washington		Independent Mtn		Washington		Ferry						L. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
			Plates 5 (Grids)												
			(239 45 29)								K				SUNNOT TAKEN @ THIS POINT FOR TR. GRID AZIM.
	71'		000° 00'		5.3	90 -		-5.3		4901.6					
	45'		346° 07' 16"		+4.8	90 -		+4.8	4906.4			+31	+32		Y=710,960 X=2591,700
TP0			(225° 52' 45")								T	0	0	710,991	2,591,732
1	22		252° 37' (132° 22')		6.9	90 -		-6.9		4899.5		-15	+16	710,976	2,591,748
2	348	347.0	219° 17' (99° 01')		11.0	94° 20'	-26.3	-31.3		4869.1		-54	+343	710,937	2,592,075
3	675	673.1	220° 08' (99° 53')		5.2	94° 20'	-51.0	-56.2		4850.2		-116	+663	710,875	2,592,395
4	1005	1003.1	"	↓	10.0	93° 30'	-61.3	-71.3		4835.1		-172	+988	710,819	2,592,720
TP1	1224	1221.3	220° 20' 37"		8.1	93° 50'	-81.8	-89.9		4816.5	TP	-214	+1202	710,777	2,592,934
"	"		(100° 06' 06")		11.6	93° 40'	-78.2	-89.8			TP				
TP0	-		000° 00'								BS				
TP1	-		00°		+5.05			+5.1	4821.6		BS	0	0	710,777	2,592,934
5	112		174° 53' (94° 39')		8.2	95° 40'	-11.1	-19.3		4802.3		-10	+112	710,767	2,593,046
TP0	409	408.3	166° 02' 08"		14.3	93° 20'	-23.8	-38.1		4783.4	TP	+28	+407	710,805	2,593,341
TP2	"		(86° 08' 14")		12.1	266° 20'	-26.2	-38.3	-38.2		TP				
TP1			000° 00'												
TP2			00°		+4.95			+5.0	4788.4		T	0	0	710,805	2,593,341
6	29		162° 43' (68° 51')		6.3	90 -		-6.3		4782.1		+10	+27	710,815	2,593,368
7	357	355.8	154° 07' (60° 15')		5.1	94° 40'	-29.0	-34.1		4754.3		+177	+309	710,982	2,593,650

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8-14-84		R. Traubridge		B. Cotcamp		6834		C		3	2					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Washington		Independent Mtn	Washington	Ferry					L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
BP	428	427	153°31'06"		10.3	940-	-29.9	-40.2	4788.4	4748.2	TP	+216	+368	711,021	2,593,709	
T.P.3	"		(59°39'20")		10.4	266-	-29.9	-40.3			TP					
T.P.3	0		000°00'								T	0	0	711,021	2,593,709	
8	245		150°04' (29°43)		7.1	92°40'	-11.4	-18.5		4734.7		+213	+121	711,234	2,593,830	
T.P.4	260		151°51'25"		4.7	93°-	-13.6	-18.3			TP	+221	+136	711,242	2,593,845	
	"		(31°30'45")		6.9	92°30'	-11.3	-18.2		4735.0	TP					
TP			000° -													
TP	0		000°	+ 4.8				+4.8	4739.8		T	0	0	711,242	2,593,845	
TP	316		267°02'48"		8.4	93°40'	-20.2	-28.6		4711.2	TP	-151	+277	711,091	2,594,122	Across Sta
TP	"		(118°33'33")		14.8	92°30'	-13.8	-28.6			TP					
TP			000°	+ 4.95				+5.0	4716.2		T	0	0	711,091	2,594,122	
10	330		175°52' (114°25)		11.0	93°20'	-19.2	-30.2		4686.0		-136	+300	710,955	2,594,422	
11	660	658.9	"		4.7	93°20'	-38.4	-43.1		4673.1		-272	+600	710,819	2,594,722	
12	989	987.6	175°52' (114°25)		8.9	93°-	-51.7	-60.6		4655.6		-408	+899	710,683	2,595,021	
T.P.6	1040	1038.6	175°46'25"		8.5	93°-	-54.4	-62.9		4653.3	TP	-428	+946	710,663	2,595,068	
"	"		(114°19'58")		8.6	267°-	-54.4	-63.0			TP					

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-13-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		3		3			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Independent		Mtn		Washington		Ferry						L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₅			000° -							4653.3					
TP ₆	0		000° -		+50	4.		+5.0	4658.3		T	0	0	710,663	2,595,068
13	278		197°37'(131°57')		6.9	92°40'	-12.9	-19.8		4638.5		-186	+207	710,477	2,595,275
14	609	607.9	196°44'(131°04')		7.2	93°30'	-37.2	-44.4		4613.9		-399	+458	710,264	2,595,526
TP ₇	811	809.3	196°54'00"		7.0	93°40'	-51.9	-58.9		4599.3	TP	-533	+609	710,130	2,595,677
"	"	"	(131°13'55")		14.3	266°50'	-44.8	-59.1	-59.0		TP				
TP ₆			000° -												
TP ₇			000° -		+5.0	8.0		+5.0	4604.3		T	0	0	710,130	2,595,677
TP ₈	118		153°29'07"		13.8	90° -		-13.3		4591.0	TP	-30	+114	710,100	2,595,791
"	"	"	(104°43'05")		12.8	B.H.	-0.6	-13.4			TP				
TP ₇			000° -												
TP ₈	0		000° -		+5.0	4.		+5.0	4596.0		T	0	0	710,100	2,595,791
16	330	329.2	202°35'(127°18')		7.2	94° -	-23.0	-30.2		4565.8		-199	+262	709,901	2,596,053
17	660	658.4	202°39'(127°22')		10.3	94° -	-46.0	-56.3		4539.7		-400	+523	709,700	2,596,314
TP ₉	823	821	202°05'37'		8.6	94°20'	-62.2	-70.8		4525.1	TP	-492	+657	709,608	2,596,448
"	"	"	(126°48'42")		13.6	266° -	-57.4	-71.0	-70.9		TP				
TP ₈			000° -												
TP ₅			000° -		+50.5			5.1	4530.2		T	0	0	709,608	2,596,448
18	165		157°42'(104°36')		7.7	94° -	-11.5	-19.2		4511.0		-42	+160	709,556	2,596,608

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-14-84		R. Trowsbridge		B. Cotcamp		6834		B.C.W.		3		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Independent Mt		Washington		Ferry								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4530.2						
T.P.	223		151°54'37"		8.3	94°-	-15.6	-23.9	}	4506.3	TP	-34	+220	709,574	2,596,668
	"		(98°43'19")		14.8	92°20'	-9.1	-23.9		TP					
T.P.			000°-						}	4511.5	π	0	0	709,574	2,596,668
T.P.	0		000°-		+5.15	mi		+5.2							
T.P.	326		168°19'56"		6.3	93°30'	-19.9	-26.2	}	4485.3	TP	+17	+325	709,591	2,596,993
	"		(87°03'15")		14.8	92°-	-11.4	-26.2							
T.P.			000°-						}	4490.4	π	0	0	709,591	2,596,993
T.P.			000°-		+5.1			+5.1							
19	94		30°44'(29°49')		8.4	86°40'	+5.5	-2.9		4487.5		+44	-83	709,635	2,596,910
*															
20	235		206°23'(113°26')		5.0	94°-	-16.4	-21.4		4469.0		-93	+216	709,498	2,597,269
T.P. 21	565	564	203°51'06"		10.2	94°-	-39.4	-49.6	}	4440.8	TP	-201	+527	709,390	2,597,520
T.P. 21	"		(110°54'21")		10.2	266°-	-39.4	-49.6							
T.P.			000°-						}	4445.4	π	0	0	709,390	2,597,520
T.P.	0		000°-		+4.6			+4.6							
* 22	327		174°27'(105°21')		11.8	94°-	-22.8	-34.6		4410.8		-87	+316	709,303	2,597,836
T.P. 3	398	397	175°04'37"		13.3	94°-	-27.8	-41.1	}	4404.3	TP	-109	+382	709,281	2,597,902
"	"		(105°58'58")		13.3	266°-	-27.8	-41.1							
T.P.			000°-						}	4409.0	π	0	0	709,281	2,597,902
T.P.	0		000°-		+4.7	mi		+4.7							

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DATE	8-14-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	3	PAGE	5
AREA	Washington	TOPO MAP	Incl. Mtn. 7 1/2	STATE	Wash.	COUNTY	Ferry	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									4409.0					
23	258		199°14' (125°13')		2.0	93°30'	-15.7	-22.7		4386.3		-149	+211	709,132 2,598,113
24	588	586.6	" (125°13')		9.4	94° -	-41.0	-50.4		4358.6		-338	+479	708,943 2,598,381
T.P. ₄	615	614	198°09'47"		9.3	94° -	-42.9	-52.2		4356.8	TP	-344	+508	708,937 2,598,410
"	"	"	(124°08'45")		4.0	94°30'	-48.2	-52.2			TP			
T.P. ₅	-	-	000 -											
T.P. ₄	-	-	000 -		+4.9			+4.9	4361.7		T	0	0	708,937 2,598,410
25	292	291.3	136°43' (80°52')		6.2	94° -	-20.4	-26.6		4335.1		+46	+288	708,983 2,598,698
T.P. ₅	559	558.1	136°57'32"		13.8	93°20'	-32.5	-46.3		4315.4	TP	+86	+551	709,023 2,598,961
"	"	"	(81°06'17")		10.6	93°40'	-35.7	-46.3			TP			
T.P. ₄		α	000 -											
T.P. ₅	0		000 -		+4.75			+4.8	4320.2		T	0	0	709,023 2,598,961
26	60		186°27' (87°33')		9.7	90° -		-9.7		4310.5		+3	+60	709,026 2,599,021
27	391	390.2	175°01' (76°01')		4.8	93°34'	-24.3	-29.1		4291.1		+94	+379	709,117 2,599,340
T.P. ₆	729	728.3	172°34'48"		7.2	92°30'	-31.8	-39.0		4281.2	TP	+205	+699	709,228 2,599,660
"	"	"	(73°41'05")		7.3	267°30'	-31.8	-39.1			TP			
T.P. ₅														
T.P. ₆	0				+4.9			+4.9	4286.1		U.	0	0	709,228 2,599,660
28	91		279°56' (178°37')		12.7	95°20'	-8.5	-21.2		4264.9		-90	+10	709,138 2,599,670
29	181	178.1	157°22' (51°03')		11.4	100°20'	-32.5	-43.9		4242.2		+114	+141	709,342 2,599,801
30	495	492.0	144°31' (38°12')		9.0	96°20'	-54.6	-63.6		4222.5		+387	+304	709,615 2,599,964

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8-14-84		R. Towbridge		B. Cotcamp		6834		B.C.W		3		6				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Washington		Incl. Mtn. 78		Wash		Ferry								L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
			(39°10'32")						4286.1							
Cr. X-ing	552	549	145°29'21"		5.3	96°20'	-60.9	-66.2		4219.9	Δ	+425	+347	709,653	2,600,007	y=709,650 x=2,600,000
T.P. ₇	566	563	146°21'29"		12.5	95°30'	-54.2	-66.7		4219.4	TP	+431	+362	709,659	2,600,022	
"	"	"	(40°02'34")		12.6	264°30'	-54.2	-66.8			TP					
T.P. ₆			000-													
T.P. ₅			000-	+4.85				+4.9	4224.3		π	0	0	709,659	2,600,022	
31	258		236°02'(91°05')		6.2	93°-	-13.5	-19.7		4204.6		-27	+257	709,632	2,600,279	
32	588	587.2	" (91°05')		9.9	93°-	-30.8	-40.7		4183.6		-62	+584	709,597	2,600,606	
Δ	770	769	236°24'53'(91°21'21")		12.3	93°-	-40.3	-52.6		4171.7	Δ	-86	+764	709,573	2,600,786	y=709,575 x=2,600,790
33	918	916.3	235°42'(95°45')		9.5	93°30'	-56.0	-65.5		4158.8		-92	+912	709,567	2,600,934	
T.P. ₈	1026	1024.1	236°11'08"		11.9	93°30'	-62.6	-74.5		4149.8	TP	-111	+1018	709,548	2,601,040	
"	"	"	(96°13'42")		12.0	266°30'	-62.6	-74.6			TP					
T.P. ₇			000-													
T.P. ₆			000-	+5.1				+5.1	4154.9		π	0	0	709,548	2,601,040	
34	251		121°37'(37°51')		9.2	94°-	-17.5	-26.7		4128.2		+198	+154	709,746	2,601,194	
35	581	579.6	116°15'(32°29')		9.1	94°-	-40.5	-49.6		4105.3		+489	+311	710,037	2,601,351	
TP ₉	815	813	117°03'06"		6.3	94°-	-56.8	-63.1		4091.8	TP	+680	+446	710,228	2,601,486	
"	"	"	(33°16'48")		13.4	98°30'	-49.7	-63.1			TP					
T.P. ₈			000-													
TP ₉			000-	+4.95				+5.0	4096.8		π	0	0	710,228	2,601,486	

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8-14-84		R. Trowbridge		B. Cotcamp		6834		B.C.K.		3		7			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Incl. mtn.		7/2 Wash.		Ferry								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4096.8						
36	108		223°35' (71°58')		12.6	90°		-12.6		40842		+25	+105	710.253	2601591
37	437	436.2	213°40' (69°57')		7.9	93°30'	-26.7	-34.6		4062.2		+171	+401	710.399	2601887
TP ₁₀	617	616	213°58'20"		9.6	93°30'	-37.7	-47.3	}	4049.5	TP	+238	+568	710.466	2602054
"	"	"	(67°15'08')		9.7	266°20'	-37.7	-47.4							
TP ₉			000 -												
TP ₁₀			000 -		+5.05			+5.1	}	4054.6	X	0	0	710.466	2602054
38	160		225°26' (112°11')		7.2	92°20'	-6.5	-13.7							
39	487		230°49' (118°04')		8.8	92°20'	-19.8	-28.6		4026.0		-229	+430	710.237	2602484
40	817	816.3	231°50' (117°05')		9.3	92°20'	-33.2	-42.5		4012.7		-397	+713	710.069	2602767
TP ₁₁	1056	1055.1	230°48'02"		10.6	92°20'	-43.0	-53.6	}	4001.0	TP	-496	+931	709.970	2602985
"	"	"	(118°03'10")		13.8	269°50'	-39.9	-53.7							
TP ₁₀			000 -												
TP ₁₁			000 -		+4.95			+5.0	}	4006.0	X	0	0	709.970	2602985
41	91		165°19' (103°22')		4.2	94°50'	-7.7	-11.9							
42	421	419.6	168°14' (106°17')		6.1	94°40'	-34.2	-40.3		3965.7		-118	+403	709.852	2603388
Δ	660	658	169°14' 48" (107°11'58")		7.8	94°40'	-53.7	-61.5		3944.5	Δ	-196	+628	709.774	2603613
43	751	748.5	168°15' (106°18')		7.7	94°40'	-61.7	-68.8		3937.2		-216	+718	709.760	2603703
44	1081	1077.4	" (106°18')		9.9	94°40'	-87.9	-97.8		3908.2		-303	+1038	709.667	2604023
TP ₁₂	1238	1234	170°24'36"		9.6	94°40'	-100.7	-110.3	}	3895.6	TP	-391	+1170	709.579	2604155
"	"	"	(108°27'46")		9.9	265°20'	-100.7	-110.6							

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-14-84		R. Trowbridge		B. Cotcamp		6834		B.C.K.		3		8			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Independent		Wash.		Ferry								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER-ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₁₁			000-							3895.6					
TP ₁₂			000-	+4.9				+4.9	3900.5		π	0	0	709.579	2604.155
45	175		162°39'(91°10')		7.9	93°40'	-11.2	-19.1		3881.4		-3	+175	709.576	2604.330
TP ₁₃	445	444.1	156°51'54" (85°19'40")		9.0	93°40'	-28.5	-37.5		3863.0	TP	+36	+443	709.615	2604.548
"	"	"	"		14.2	93°-	-23.3	-37.5			TP				
TP ₁₂			000-												
TP ₁₃			000-	+4.9				+4.9	3867.9		π	0	0	709.615	2604.548
46	57		182°47'(88°07')		9.1	90-		-9.1		3858.8		+2	+57	709.617	2604.655
47	385	383.9	170°58'(76°18')		6.4	94°20'	-29.1	-35.5		3832.4		+91	+373	709.706	2604.971
48	715	713.0	169°50'(75°10')		10.1	94°20'	-54.0	-64.1		3803.8		+183	+689	709.798	2605.287
49	1045	1041.3	169°48'(75°08')		8.8	94°50'	-88.0	-96.8		3771.1		+267	+1006	709.882	2605.604
TP ₁₄	1449	1444.2	169°54'08" (75°13'48")		12.1	94°40'	-117.8	-129.9		3737.9	TP	+368	+1396	709.983	2605.944
"	"	"	"		12.4	265°20'	-117.8	-130.2	130.03		TP	1			
TP ₁₃			000-												
TP ₁₄			000-	+5.0				+5.0	3742.9		π	0	0	709.983	2605.944
50	82		335°45'(230°59')		4.2	90		-4.2		3738.7		-52	-64	709.931	2605.930
π															
51	269	267.4	203°49'(99°03')		8.6	96°10'	-28.9	-37.5		3705.4		-42	+264	709.941	2606.258
52	599	595.5	201°09'(96°23')		8.1	96°10'	-64.3	-72.4		3670.5		-66	+592	709.917	2606.586
53	927	922.5	203°31'(98°45')		11.5	95°40'	-91.5	-103.6		3639.9		-146	+912	709.843	2606.906

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROB. MAN.		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-14-84		R. Towleridge		B. Cotcamp		6834		B.C.W.		3		9			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Incl. Mtn		Wash		Ferry								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER-ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3742.9						
TP ₁₅	1142	1136.4	202°21'25"		3.6	95°40'	-112.7	-116.3	}	3626.6	TP	-150	+1126	709,833	2607120
"	"	"	(97°35'13")		3.7	264°20'	-112.7	-116.4		TP					
TP ₁₄			000						}	3631.4	TP	0	0	709,833	2607120
TP ₁₅			000		+4.8			+4.8		TP					
54	122		201°08'(118°43')		9.0	96°30'	-13.8	-22.8		3608.6		-59	+107	709,774	2607227
55	448	445.8	188°57'(106°32')		9.7	95°40'	-44.2	-53.9		3577.5		-127	+427	709,706	2607547
56	778	774.2	187°51'(105°26')		7.3	95°40'	-76.8	-84.1		3547.3		-206	+746	709,627	2607866
TP ₁₆	934	930.2	188°25'14"		13.9	95°10'	-84.1	-98.0	}	3583.4	TP	-257	+894	709,576	2608014
"	"	"	(106°00'27")		8.5	95°30'	-89.5	-98.0		TP					
TP ₁₅			000 -						}	3538.3	TP	0	0	709,576	2608014
TP ₁₆			000 -		+4.9			+4.9		TP					
57	178		200°16'(126°16')		6.8	95° -	-15.5	-22.3		3516.0		-105	+144	709,471	2608156
58	508	506.1	"		8.9	95° -	-44.3	-53.2		3485.1		-299	+408	709,277	2608422
59	838	834.8	"		11.8	95° -	-73.0	-84.8		3453.5		-494	+673	709,082	2608687
60	1168	1163.3	"		10.3	95°10'	-105.2	-115.5		3422.8		-688	+938	708,888	2608952
61	1498	1491.9	"		11.0	95°10'	-134.9	-145.9		3392.4		-883	+1203	708,693	2609217
62	1828	1821.0	" (126°16')		12.0	95° -	-159.3	-171.3		3367.0		-1077	+1468	708,499	2609482
TP ₁₇	1871	1863.4	200°21'35"		5.7	95°10'	-168.4	-174.1	}	3364.1	TP	-1105	+1500	708,471	2609514
"	"	"	(126°22'02")		11.3	265° -	-163.0	-174.3		TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		TIME NO.		PAGE			
8-14-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		3		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Ind. Mtn. 7/2		Wash.		Ferry								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER-ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₁₆			000 -							3364.7					
TP ₁₇			000 -		+5.0			+5.0	3369.1		T	0	0	708,471	2609,514
63	287		188°22'(134°45')		9.1	93°30'	-17.5	-26.6		3342.5		-202	+204	708,269	2609,718
TP ₁₈	460	459.1	184°31'30"		11.3	93°30'	-28.1	-39.4		3329.7	TP	-301	+347	708,170	2609,861
"	"	"	(130°53'32")		13.9	93°10'	-25.4	-39.3			TP				
TP ₁₇			000 -												
TP ₁₈			000 -		+4.85			+4.9	3334.6		T	0	0	708,170	2609,861
64	151		170°48'(121°42')		7.8	93°10'	-8.3	-16.1		3318.5		-79	+128	708,091	2609,984
65	481	480.3	166°22'(119°16')		10.0	93°10'	-26.6	-36.6		3298.0		-220	+427	707,950	2610,288
Δ	563	562.1	167°06'48"(118°00'20")		8.6	93°10'	-31.1	-39.7		3294.9	Δ	-264	+496	707,906	2610,357
66	808	806.8	170°57'(121°51')		6.0	93°10'	-44.6	-50.6		3284.0		-426	+685	707,744	2610,546
67	1136	1134.8	172°54'(123°48')		6.9	92°40'	-52.8	-59.7		3274.9		-631	+943	707,539	2610,804
TP ₁₉	1394	1392.5	175°10'47"		5.8	92°40'	-64.8	-70.6		3263.9	TP	-820	+1126	707,350	2610,987
TP ₁₉	"	"	(126°04'19")		14.2	267°40'	-56.7	-70.9	-70.73		TP				
TP ₁₈			000												
TP ₁₉			000		+4.6			+4.6	3268.5		T	0	0	707,350	2610,987
68	73		166°36'(112°40')		8.3	93°10'	-4.0	-12.3		3256.2		-28	+67	707,322	2611,054
69	403	402.4	" (112°40')		12.7	93°10'	-22.3	-35.0		3233.5		-155	+371	707,195	2611,358
TP ₂₀	747	745.3	165°04'35"		13.5	93°50'	-49.9	-63.4		3205.1	TP	-269	+695	707,081	2611,682
"	"	"	(119°08'54")		9.2	94°10'	-54.3	-63.5			TP				

Y=707,410
X=2610,350

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-14-84		R. Trowbridge		B. Cotcamp		6834		B. Clark		3		11			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Independent		Wash.		Ferry								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC.	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₁₉			000 -							3205.1					
TP ₂₀			000 -		+4.95			+5.0	3210.1		K	0	0	707.081 2611.682	
70	38		41°30' (337°39')		2.0	86° -	+2.7	+0.7		3210.8		+35	-14	707.116 2611.668	
71	324	323.2	139°05' (70°14')		4.6	94° -	-22.6	-27.2		3182.9		+109	+304	707.190 2611.986	
72	654	652.4	137° (68°09')		10.4	94° -	-45.6	-56.0		3154.1		+243	+606	707.324 2612.288	
73	984	981.4	"		10.8	94°10'	-71.5	-82.3		3127.8		+365	+911	707.446 2612.593	
74	1314	1310.5	" (68°09')		10.7	94°10'	-95.4	-106.1		3104.0		+488	+1216	707.569 2612.898	
TP ₂₁	1497	1493	136°37'16"		9.6	94°10'	-108.7	-118.3		3091.8	TP	+565	+1382	707.646 2613.064	
"	"	"	(67°46'10")		9.7	265°30'	-108.7	-118.4			TP				
TP ₂₀			000												
TP ₂₁			000		+4.9			+4.9	3096.7		K	0	0	707.646 2613.064	
75	147		170°22' (58°08')		6.1	93°30'	-9.0	-15.1		3081.6		+78	+125	707.724 2613.189	
76	475	473.8	160°07' (47°53')		9.2	94° -	-33.1	-42.3		3054.4		+318	+351	707.964 2613.415	
77	805	802.5	157°50' (45°36')		8.4	94°30'	-63.1	-71.5		3025.2		+561	+573	708.207 2613.637	
TP ₂₂	1017	1014	158°48'11"		11.0	94°30'	-79.8	-90.8		3005.9	TP	+697	+736	708.343 2613.800	
"	"	"	(46°34'21")		11.1	265°30'	-79.8	-90.9			TP				
TP ₂₁			000												
TP ₂₂			000		+4.8			+4.8	3010.7		K	0	0	708.343 2613.800	
78	119		200°03' (62°31')		8.2	93°40'	-7.6	-15.8		2994.9		+47	+109	708.390 2613.909	
79	447	445.5	205°46' (72°20')		8.5	94°40'	-36.4	-44.9		2965.8		+135	+424	708.478 2614.224	

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE 8-15-84	INSTRUMENT MAN R. Trowbridge	ROD MAN B. Colcamp	PARTY NUMBER 6834	NOTES CHECKED BY B.C.W.	SHEET NO. 3	PAGE 12
AREA Washington	TOPO MAP Independent Mtn	STATE Wash	COUNTY Ferry	RANGE	PPM	PARTY MANAGER L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									3010.7					
TP ₂₃	693	691	204°07'09" (70°41'30")		11.5	94°30'	-54.4	-65.9		2944.8	TP	+228	+652	708,571 2614452
					7.4	98°50'	-58.4	-65.8			TP			
TP ₂₂			000											
TP ₂₃			000		+4.8			+4.8	2949.6		TP	0	0	708,571 2614452
80	81		168°28'(59°10')		8.0	92°50'	-4.0	-12.0		2937.6		+42	+70	708,613 2614522
81	404	403.1	149°28'(40°10')		12.1	93°50'	-27.0	-39.1		2910.5		+308	+260	708,879 2614712
TP ₂₄	679	677	149°14'30" (39°50'00")		10.4	97°10'	-49.3	-59.7		2889.9	TP	+519	+435	709,090 2614887
"	"				10.5	265°50'	-49.3	-59.8			TP			
TP ₂₃			000											
TP ₂₄			000		+4.85			+4.9	2884.8		TP	0	0	709,090 2614887
82	66		226°58'(86°54')		6.7	91°40'	-1.9	-8.6		2886.2		+4	+66	709,094 2614957
TP ₂₅	190		224°31'43" (84°21'43")		10.1	97°40'	-5.5	-15.6		2879.2	TP	+18	+189	709,108 2615076
"	"				11.2	97°20'	-4.4	-15.6			TP			
TP ₂₄			000											
TP ₂₅			000		+4.85			+4.9	2884.1		TP	0	0	709,108 2615076
83	205		200°13'(104°41')		10.8	92° -	-7.2	-18.0		2866.1		-52	+198	709,056 2615274
84	527	526.4	199°02'(108°30')		10.1	92°40'	-24.5	-34.6		2849.5		-123	+512	708,985 2615588
TP ₂₆	665		196°54'44" (101°22'27")		7.1	91° -	-11.6	-18.7		2865.4	TP	-131	+652	708,977 2615728
"	"				7.2	269° -	-11.6	-18.8			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
8-15-84		R. Trowbridge		B. Cotcamp		6834		B.C.W		3		13			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Incl. Mtn.		Washington		Ferry								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₂₅			000							2865.4					
TP ₂₆			000		+4.9			+4.9	2870.3		π	0	0	708,977	2615,728
85	240	238.4	072°18'(13°41')	12.4	12.4	96°40'	-27.9	-40.3	2830.0			+232	+56	709,209	2615,784
T.P. ₂₇	258	256	88°30'42"		8.9	97°20'	-32.9	-41.8	2828.5		T.P.	+252	+44	709,229	2615,772
"	"	"	(9°53'09")		13.4	96°20'	-28.5	-41.9			T.P.				
T.P. ₂₆			000												
TP ₂₇			000		+4.9			+4.9	2833.4		π	0	0	709,229	2615,772
86	303	302.4	160°25'(350°18')		8.7	93°40'	-19.4	-28.1	2805.3			+298	-51	709,527	2615,721
T.P. ₂₈	549	548	159°40'00"		8.4	93°40'	-35.1	-43.5	2789.9		TP	+539	-99	709,768	2615,673
"	"	"	(349°33'09")		14.8	93°00'	-28.7	-43.5			TP				
TP ₂₇			000												
TP ₂₈			000		+4.85			+4.9	2794.8		π	0	0	709,768	2615,673
87	99		239°04'(48°37')		7.2	93°10'	-5.5	-12.7	2782.1			+65	+74	709,833	2615,747
Δ	256		243°31'56'(53°05'05")		12.0	93°10'	-14.1	-26.1	2768.7			+154	+204	709,922	2615,877 Int.
T.P. ₂₉	217		242°43'23"		12.1	128°10'	-12.0	-24.1	2770.7		TP	+133	+171	709,901	2615,844
"	"	"	(52°16'32")		12.1	116°50'	-12.0	-24.1			TP				
TP ₂₈			000												
TP ₂₉			000		+4.95			+5.0	2775.7		π	0	0	709,901	2615,844
88	239	238.3	251°36'(113°53')		7.3	94°30'	-18.8	-26.1	2749.6			-133	+198	709,768	2616,042
89	565		250°23'(112°40')		11.5	92°30'	-24.6	-36.1	2739.6			-305	+476	709,576	2616,320

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-15-84	INSTRUMENT MAN.	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.P.V.	LINE NO.	3	PAGE	14
AREA	Washington	TOPO MAP	Incl. Mtn. 2 1/2	STATE	Wash	COUNTY	Ferry	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									2775.7							
T.P. ₃₀	666		250°16'58"		10.4	92°40'	-28.7	-39.1	}	2736.6	TP	-331	+519	709,570	2616363	
"	"		(122°33'30")		10.4	267°20'	-28.7	-39.1		TP						
TP ₂₉			000						}	2741.5	X	0	0	709,570	2616363	
90	276	215.4	160°17'(103°51')		4.8	93°49'	-18.4	-23.2		2718.3		-61	+269	709,509	2616632	
T.P. ₃₁	561	560	160°31'06"		4.8	93°50'	-37.5	-42.3	}	2699.2	TP	-127	+545	709,443	2616908	
"	"		(103°04'36")		4.8	261°10'	-37.5	-42.3		TP						
T.P. ₃₀			000						}	2704.2	X	0	0	709,443	2616908	
T.P. ₃₁			000		+4.95			+5.0		2692.0						
91	64		235°57'(159°02')		5.5	96° -	-6.7	-12.2	}	2661.6	TP	-60	+23	709,383	2616431	
T.P. ₃₂	381	379	222°37'12"		5.0	95°40'	-37.6	-42.6		2661.6	TP	-313	+214	709,130	2617122	
92	"		(145°41'48")		5.0	264°20'	-37.6	-42.6		TP						
TP ₃₁			000						}	2666.5	X	0	0	709,130	2617122	
T.P. ₃₂			000		+4.85			+4.9		2641.2						
TP ₃₃	217	216	128°05'06"		2.6	96° -	-22.7	-25.3	}	2641.2	TP	-14	+215	709,116	2617337	
"	"		(93°46'54")		6.4	95° -	-18.9	-25.3		TP						
TP ₃₂			000						}	2646.3	X	0	0	709,116	2617337	
TP ₃₃			000		+5.05			+5.1		2635.8						
93	110		179°58'(91°45')		7.6	91°30'	-2.9	-10.5	}	2627.7		-3	+110	709,113	2617447	
94	440		174°34'(88°21')		7.1	91°30'	-11.5	-18.6					-13	+440	709,103	2617777

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-15-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	BCW	LINE NO.	3	PAGE	15
AREA	Washington	TOPO MAP		STATE	Wash.	COUNTY	Ferry	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									2646.3							
TP ₃₄	449		175°05'45"		7.1	91°30'	-11.7	-18.8	2627.5	TP	X	+9	+449	709,125	2617786	
"	"		(86°52'35")		0.6	92°20'	-18.3	-18.9								
TP ₃₃			000						2632.6	X	X	0	0	709,125	2617786	
TP ₃₄			000		+5.05			+5.1								
95	318		183°29'(92°22')		10.1	92° -	-11.1	-17.4	2615.2	TP	X	-13	+318	709,112	2616104	
TP ₃₅	556		(91°12'11")		10.1	268° -	-19.4	-29.5								
TP ₃₄			000						2608.1	X	X	0	0	709,113	2618342	
TP ₃₅			000		+4.95			+5.0								
96	91		170°34'(91°46')		5.6	93°50'	-6.1	-11.7	2596.4			+13	+90	709,126	2618432	
97	420	419.1	157°39'(68°51')		7.4	93°50'	-28.1	-35.5								
TP ₃₆	597	596	159°35'24"		4.6	93°30'	-36.4	-41.0	2567.1	TP	X	+196	+563	709,309	2618905	
"	"		(70°47'46")		4.6	266°20'	-36.4	-41.0								
TP ₃₅			000						2572.0	X	X	0	0	709,309	2618905	
TP ₃₆			000		+4.9			+4.9								
Sec Ln	152		07°50'(15°258°37'35")		7.7	87° -	+8.0	+0.3	2572.3	X	X	-30	-149	709,279	2618756	
98	154		207°35'(98°33')		5.7	93°20'	-9.0	-14.7								
99	482	481.2	202°32'(93°20')		11.0	93°20'	-28.0	-39.0	2533.0	TP	X	-28	+480	709,281	2619385	
TP ₃₇	765	763	204°00'50"		7.2	94°20'	-57.8	-65.0								
"	"		(94°48'30")		7.3	25°40'	-57.8	-65.1	2507.0	TP	X	-64	+760	709,245	2619665	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-15-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	3	PAGE	16
AREA	Washington	TOPO MAP		STATE	Washington	COUNTY	Ferry	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
TP ₃₆	1		000							2507.0				
TP ₃₇			000		+4.9			+4.9	2511.9		X	0	0	709,245 2619,665
100	52		216°04' (130°53')		6.3	95°-	-4.5	-10.8		2501.1		-34	+39	709,211 2619,704
101	379	377.6	208°14' (123°03')		7.1	95°-	-33.0	-40.1		2471.8		-206	+317	709,039 2619,982
TP ₃₈	637	635	208°13'36" (123°02'06")		5.1	94°-	-44.4	-49.5		2462.4	TP	-346	+533	708,899 2620,498
"	"	"			14.4	93°10'	-35.2	-49.6			TP			
TP ₃₇			000											
TP ₃₈			000		+4.85			+4.9	2467.3		X	0	0	708,899 2620,498
102	105		240°06' (183°08')		10.8	95°20'	-9.8	-26.6		2446.7		-105	-6	708,794 2620,192
103	402	400.9	200°09' (143°11')		9.7	94°10'	-29.2	-38.9		2428.4		-321	+240	708,578 262,438
104	731	730.0	199°08' (142°10')		9.8	93°-	-38.2	-48.0		2419.3		-577	+448	708,322 262,646
TP ₃₉	886	885	199°49'16" (142°51'22")		10.0	93°-	-46.4	-56.4		2410.9	TP	-705	+534	708,193 262,073
"	"	"			10.0	267°-	-46.4	-56.4			TP	-	-	
TP ₃₈			000											
TP ₃₉			000		+5.0			+5.0	2415.9		X	0	0	708,193 262,073
105	171		166°11' (123°02')		6.3	93°40'	-10.9	-17.2		2398.7		-108	+133	708,085 262,086-1
TP ₄₀	374	373.2	155°24'55" (118°16'14")		8.0	93°40'	-23.9	-31.9		2384.0	TP	-177	+329	708,015 262,105
"	"	"			12.4	267°-	-19.6	-32.0			TP	-	-	
TP ₃₉			000											
TP ₄₀			000		+5.1			+5.1	2389.1		X	0	0	708,015 262,105

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8-15-84	INSTRUMENT MAN R. Trowbridge	ROD MAN B. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY B.C.W.	LINE NO. 3	PAGE 17
AREA Washington	TOPO MAP	STATE Wash	COUNTY Ferry	TWP	RANGE	PPM
				PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER-ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									2389.7					
106	121		209°15'(149°31')		6.8	92°20'	-4.9	-11.7		2377.4		-102	+65	707,913 262,124
107 TP ₄₁	447		209°21'18"		10.2	92°20'	-18.2	-28.4		2360.7	TP	-377	+239	707,637 262,129
"	"	"	(147°37'35")		10.2	96°40'	-18.2	-28.4			TP	-1	-1	
TP ₄₀			000											
TP ₄₁			000	+4.9				+4.9	2365.6		X	0	0	707,637 262,129
TP ₄₂	119		159°16'00"		12.6	90-		-12.6		2353.0	TP	-71	+95	707,565 262,139
"	"		(126°53'35")		12.0	B.H.	-0.6	-12.6			TP	-1	-1	
TP ₄₁			000											
TP ₄₂			000	+4.9				+4.9	2357.9		X	0	0	707,565 262,139 (Penny?)
108	204		159°08'(106°02')		8.2	94°-	-14.2	-22.4		2335.5		-56	+196	707,509 262,158
TP ₄₃	416	415	157°55'12"		11.6	94°-	-29.0	-40.6		2317.3	TP	-106	+401	707,458 262,179
"	"		(104°48'47")		14.1	93°40'	-26.6	-40.7			TP	-1	-1	
TP ₄₂			000											
TP ₄₃			000	+4.85				+4.9	2322.2		X	0	0	707,458 262,179
109	117		196°07'(120°56')		5.7	93°30'	-7.1	-12.8		2309.4		-60	+100	707,398 262,189
110	444	443.2	197°45'(122°31')		9.4	93°20'	-27.1	-36.5		2285.7		-239	+374	707,219 262,216
TP ₄₄	516	515.0	198°09'42"		9.2	93°30'	-31.5	-40.7		2281.5	TP	-280	+432	707,177 262,222
"	"		(122°58'29")		9.3	266°30'	-31.5	-40.8			TP	-1	-1	
TP ₄₃			000											
TP ₄₄			000	+4.95				+5.0	2286.5		X	0	0	707,177 262,222

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-15-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		3		18				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Washington				Wash		Ferry								L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
TP ₄₅	313		152°24'18"		15.0	90°-		-15.0	2286.5	2271.5	TP	-29	+312	707,147	2622533	Sun shot taken here
	"		(95°22'42") (95°21'14")		13.4	B.H.	-1.6	-15.0			TP	-1	-1			= 95°21'14" now using (diff = 0°01'33")
TP ₄₄			000													
TP ₄₅			000		+4.9			+4.9	2276.4		TP	0	0	707,147	2622533	
111	79		18°16' (99°38')		4.8	91°40'	-2.3	-7.1		2269.3		+32	-72	707,179	2622461	
112	248		198°02' (113°23')		4.8	89°20'	+2.9	-1.9		2274.5		-98	+228	707,049	2622761	
TP ₁	315		198°04'10"		3.4	90°-		-3.4		2273.0	TP	-125	+289	707,021	2622821	
"	"		(113°25'24")		4.9	T.H.	+1.6	-3.3			TP	-1	-1			
TP ₄₅			000													
TP ₁			000		+4.85			+4.9	2277.9		TP	0	0	707,021	2622821	
113	263		166°46' (100°11')		6.5	91°10'	-5.4	-11.9		2266.0		-47	+259	706,974	2623080	
TP ₂	305		162°52'36"		6.3	"	-6.2	-12.5		2265.4	TP	-33	+303	706,987	2623123	
"	"		(96°18'00")		6.3	268°50'	-6.2	-12.5			TP	-1	-1			
TP ₁			000													
TP ₂			000		+4.75			+4.8	2270.2		TP	0	0	706,987	2623123	
TP₁	261		172°25'45"		5.2	90°-		-5.2		2265.0	TP	+6	+261	706,992	2623383	
"	"		(88°43'45")		3.9	B.H.	-1.3	-5.2			TP	-1	-1			
TP ₂			000													
TP ₃			000		+5.0			+5.0	2270.0		TP	0	0	706,992	2623383	
114	25		180°13' (98°57')		5.7	-		-5.7		2264.3		+0	+25	706,992	2623408	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-16-84		R. Trowbridge		B. Cotcamp		6834		B.C.W		3		19			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington				Wash.		Ferry								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									2270.0						
115	347		200°58' (109°42')		6.0	92°-	-12.1	-18.1		2251.9		-117	+327	706.875	2623710
TP4	387		199°44'04"		3.9	92°-	-13.5	-17.4		2252.6	TP	-122	+367	706.869	2623749
"	"		(108°27'49")		1.7	92°20'	-15.8	-17.5			TP	-	-		
TP3			000												
TP4			000						2257.7		X	0	0	706.869	2623749
116	280		152°17' (80°45')		4.8	91°58'	-9.6	-14.4		2243.3		+45	+276	706.914	2624025
Sec. Line	389		148°45'18" (79°13'01")		6.3	91°56'	-13.1	-19.4		2238.3	Δ	+86	+379	706.955	2624128 ^{v=706.913} _{x=2624165}
TP5	636		151°23'55"		6.9	91°30'	-16.6	-23.5		2234.2	TP	+112	+626	706.979	2624374
"	"		(99°51'44")		6.9	268°30'	-16.6	-23.5			TP	-2	-		
TP4			000												
TP5			000						2239.0		X	0	0	706.979	2624374
117	67	64.8	308°11' (208°03')		6.0	104°50'	-17.2	-23.2		2215.8		-57	-31	706.922	2624343
118	351	348.5	243°06' (142°58')		4.8	96°50'	-41.8	-46.6		2192.4		-278	+210	706.701	2624584
119	681	677.4	242°32' (142°24')		4.8	95°56'	-70.4	-75.2		2163.8		-537	+413	706.442	2624787
TP6	951	947	243°30'25"		12.4	95°-	-82.9	-95.3		2143.7	TP	-760	+565	706.218	2624938
"	"		(143°22'09")		6.8	95°20'	-88.4	-95.2			TP	-	-		
TP5			000												
TP6			000						2148.6		X	0	0	706.218	2624938
120	55	54.7	153°15' (116°31')		4.8	96°10'	-5.9	-10.7		2137.9		-25	+49	706.93	2624987
121	375	372.3	132°47' (96°09')		4.8	96°50'	-44.6	-49.4		2099.2		-40	+370	706.178	2625358

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		JOB MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO	PAGE					
8-16-84		R. Towbridge		B. Colcan		6834		B.C.W		3	20					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE	PPM	PARTY MANAGER				
Washington				Wash		Ferry						L. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
TP ₁	615	612	140°53'42"		11.4	95°50'	-62.5	-73.9	2148.6	2074.7	TP	751	+593	706.066	2625530	
"	"	"	(104°15'51")		11.5	264°10'	-62.5	-74.0			TP	-1	-1			
TP ₂			000													
TP ₃			000													
122	75		168°14'(92°30')		4.8	95°28'	-7.1	-11.9	2067.8	2079.7	X	0	0	706.066	2625530	
Int.	270	268	161°55'19"(80°11'16")		4.8	96°18'	-29.6	-34.4	2045.3	2067.8		-3	+75	706.063	2625605	
123	377	314.0	178°53'(103°11')		4.8	97°12'	-47.2	-52.0	2027.7	2045.3	Δ	+18	+268	706.084	2625716	Y=706.085 X=2625.800
TP ₄	534	531	181°53'16"		7.2	96°30'	-60.4	-67.6	2012.1	2027.7	TP	-85	+364	705.981	2625894	
TP ₅	"	"	(106°09'07')		13.4	264°10'	-54.3	-67.7		2012.1	TP	-148	+510	705.917	2626034	
TP ₆			000													
TP ₇			000													
124	154	152.7	172°50'(98°59')		4.8	97°23'	-19.8	-24.6	1992.4	2012.1		0	0	705.917	2626034	
125	481	477.5	163°53'(90°02')		4.8	96°57'	-58.2	-63.0	1954.0	1992.4		-24	+151	705.893	2626140	
TP ₈	592	588	162°42'01"		4.2	97°0-	-72.1	-76.3	1940.6	1954.0	TP	-0	+478	705.917	2626517	
"	"	"	(88°51'08")		14.6	264°-	-61.9	-76.5	-76.5	1940.6	TP	+12	+587	705.928	2626625	
TP ₉			000													
TP ₁₀			000													
126	274		266°34'(175°25')		10.6	92°10'	-16.4	-21.0	1924.4	1940.6		0	0	705.928	2626625	
TP ₁₁	302		266°32'16"		11.6	92°10'	-11.4	-23.0	1922.4	1924.4	TP	-273	+22	705.655	2626647	
"	"	"	(175°23'24")		14.2	268°20'	-8.8	-23.0		1922.4	TP	+12	+587	705.928	2626625	
"	"	"									TP	-1	-1			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-16-84		R. Trowbridge		B. Cotcamp		6834		BCW		3		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Lawler 7 1/2		WASH.		Ferry								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER-ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
T.P. _a			000							1922.4					
TP ₀	0		000	+4.95				+5.0	1927.4		TP	0	0	705.626	2,626,648
TP ₁	351		145°10'01"		12.5	93°30'	-21.4	-33.9		1893.5	TP	-271	+223	705.354	2,626,870
"	"		(140°33'25")		12.5	211°30'	-21.4	-33.9			TP	-1	-1		
TP ₀			000												
TP ₄			000	+5.0				+5.0	1898.5		TP	0	0	705.354	2,626,870
127	58		330°00' (290°33')		4.8	84°27'	+5.6	+0.8		1899.3		+20	-54	705.374	2,626,816
128	261	259.7	137°42' (98°15')		4.8	95°46'	-26.2	-31.0		1867.5		-37	+257	705.317	2,627,127
129	591	588.0	" (98°15')		6.3	95°48'	-59.7	-66.0		1832.5		-84	+582	705.270	2,627,452
Δ	684	680	136°46'37" (98°10'02")		4.8	95°58'	-71.1	-75.9		1822.6		-87	+675	705.267	2,627,545
130	919	914.3	135°32' (96°05')		4.8	95°46'	-92.3	-97.1		1801.4		-97	+909	705.257	2,627,779
TP ₂	969	965	135°20'39"		11.0	95°20'	-90.0	-101.0		1799.5	TP	-99	+960	705.254	2,627,829
"	"		(95°54'04")		5.3	95°40'	-95.7	-101.0			TP	-1	-1		
TP ₁			000												
TP ₂			000	+4.8				+4.8	1802.3		TP	0	0	705.254	2,627,829
131	280		172°19' (88°13')		4.8	93°-	-14.7	-19.5		1782.8		+9	+280	705.263	2,628,109
Δ	442		173°01'54" (88°55'58")		4.8	92°48'	-21.6	-26.4		1775.9	Δ	+8	+441	705.262	2,628,270
TP ₃	608		173°25'40"		6.7	92°50'	-30.0	-36.7		1765.6	TP	+7	+607	705.260	2,628,435
"	"		(89°19'44")		6.6	216°10'	-30.0	-36.6			TP	-1	-1		

Y = 705,240
X = 2,627,595

Y = 705,220
X = 2,628,220

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
8-16-84		R. Trowbridge		B. Cotcamp		6834		B.C.W		3		22		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Washington		Lawler 2 1/2		Wash		Ferry						L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
TP ₁₂			000							1765.6				
TP ₁₃			000		+505			+5.1	1770.7		π	0	0	705.260 2,628,435
132	27		281°35' (195°55')		4.8	86°04'	+1.9	-2.9		1767.8		-26	-7	705.234 2,628,428
133	296		188°54' (3694')		4.8	93°09'	-16.3	-21.1		1749.6		+233	+183	705.493 2,628,618
134	618		135°32' (44°52')		4.8	92°12'	-23.7	-28.5		1742.2		+438	+436	705.698 2,628,811
135	948		137°08' (46°28')		4.8	91°47'	-29.5	-34.3		1736.4		+653	+687	705.913 2,629,122
TP ₁₄	998		137°01'54"		7.3	91°40'	-29.0	-36.3		1734.4	TP	+688	+722	705.947 2,629,156
"	"		(46°21'38")		4.4	268°10'	-31.9	-36.3			TP	-1	-1	
TP ₁₃			000											
TP ₁₄			000		+4.75			+4.8	1739.2		π	0	0	705.947 2,629,156
136	276		207°-(73°22')		4.8	91°44'	-8.3	-13.1		1726.1		+79	+264	706,026 2,629,420
137	603		211°42' (78°04')		4.8	90°52'	-9.1	-13.9		1725.3		+125	+590	706,072 2,629,746
TP ₁₅	655		209°41'16"		5.5	90°50'	-9.5	-15.0		1724.2	TP	+158	+636	706,104 2,629,791
"	"		(76°02'54")		15.1	90 -	-	-15.1			TP	-1	-1	
TP ₁₄			000											
TP ₁₅			000		+4.8			+4.8	1729.0		π	0	0	706,104 2,629,791
Δ	91		350°11'06" (246°14'00")		4.8	89°11'	+1.3	-3.5		1725.5	Δ	-37	-83	706,067 2,629,708
138	274		132°36' (28°39')		4.6	91°11'	-5.7	-10.5		1718.5		+240	+131	706,341 2,629,922
139	603		130°07' (26°10')		4.8	91°38'	-17.2	-22.0		1707.0		+541	+266	706,645 2,630,057

Y = 706,030
X = 2,629,740

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-16-84		R. Trowbridge		B. Cotcamp		6834		B. CW		3		23			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Laurier 7 1/2		Wash		Ferry								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1729.0						
140	933		128°50' (24°53')		6.3	91°59'	-31.7	-38.6		1691.0		+846	+393	706,950	2,630,184
TP ₁₆	1157		128°37'12"		13.5	91°30'	-30.3	-43.8		1685.2	TP	+1051	+483	707,154	2,630,272
"	"		(24°40'06")		13.6	268°30'	-30.3	-43.9			TP	-1	-2		
TP ₁₅			000												
TP ₁₆			000	+5.0				+5.0	1690.2		X	0	0	707,154	2,630,272
141	104		192°07' (36°47')		4.8	92°11'	-4.0	-8.8		1681.4		+83	+62	707,237	2,630,334
142	431		198°28' (43°08')		4.8	91°42'	-12.8	-17.6		1672.6		+315	+295	707,469	2,630,567
TP ₁₇	560		197°32'36"		7.7	91°20'	-13.0	-20.7		1669.5	TP	+415	+376	707,568	2,630,647
"	"		(42°12'42")		11.0	269°-	-9.8	-20.8			TP	-1	-1		
TP ₁₆			000												
TP ₁₇			000	+5.0				+5.0	1674.5		X	0	0	707,568	2,630,647
143	198		158°36' (20°49')		4.8	91°24'	-4.8	-9.6		1664.9		+185	+70	707,753	2,630,717
144	528		155°25' (17°38')		5.9	91°24'	-12.9	-18.8		1655.7		+503	+160	708,071	2,630,807
TP ₁₈	783		155°17'53"		11.6	91°40'	-22.8	-34.4		1640.1	TP	+746	+235	708,313	2,630,881
"	"		(17°30'35")		11.7	268°20'	-22.8	-34.5			TP	-1	-1		
TP ₁₇			000												
TP ₁₆			000	+4.7				+4.7	1644.8		X	0	0	708,313	2,630,881
145	81		210°55' (48°26')		4.8	94°04'	-5.7	-10.5		1634.3		+54	+61	708,367	2,630,942
TP ₁₉	364		210°37'31"		12.9	93°40'	-23.3	-36.2		1608.6	TP	+242	+271	708,554	2,631,151
"	"		(48°08'06")		14.0	93°30'	-22.2	-36.2			TP	-1	-1		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-16-84		R. Trowbridge		B. Cotcamp		6834		W		3		24			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Lawler 7/2		Wash		Ferry								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ¹⁸			000							1608.6					
TP ¹⁹			000		+ 4.8			+ 4.8	1613.4		X	0	0	708,554	2,631,151
146	61		232°28' (100°32')		4.8	97°12'	-7.6	-12.4		1601.0		-11	+60	708,543	2,631,211
TP ²⁰	510	507	232°16'23" (100°14'29")		11.2	96°30'	-57.7	-68.9		1544.5	TP	-90	+499	708,463	2,631,649
"	"	"			11.2	263°30'	-57.7	-68.9			TP	-	-		
TP ¹⁹			000												
TP ²⁰			000		+ 4.8			+ 4.8	1549.3		X	0	0	708,463	2,631,649
147	125	124.0	346°56' (267°10')		4.8	82°50'	+15.6	+10.8		1560.1		-6	-124	708,457	2,631,525
148	204	202.3	168°24' (88°38')		4.8	97°25'	-26.3	-31.1		1518.2		+5	+202	708,468	2,631,851
Δ	387	385	166°15'25' (86°29'54")		6.8	95°30'	-37.1	-43.9		1505.4	Δ	+24	+385	708,487	2,632,034
TP ²¹	457	455	164°30'11" (84°44'40")		4.3	95°30'	-43.8	-48.1		1501.2	TP	+42	+453	708,504	2,632,101
"	"	"			8.3	265°-	-39.8	-48.1			TP	-	-		
TP ²⁰			000												
TP ²¹			000		+ 4.75			+ 4.8	1506.0		X	0	0	708,504	2,632,101
149	60		156°44' (67°59')		4.8	91°54'	-2.0	-6.8		1499.2		+29	+53	708,533	2,632,154
150	382		130°42' (35°27')		4.8	91°59'	-13.2	-18.0		1488.0		+311	+222	708,815	2,632,323
TP ²²	568		130°23'45" (35°08'27")		10.1	92°-	-19.8	-29.9		1476.1	TP	+464	+327	708,967	2,632,427
"	"	"			13.4	91°40'	-16.5	-29.9			TP	-	-		
TP ²¹			000												
TP ²²			000		+ 4.9			+ 4.9	1481.0		X	0	0	708,967	2,632,427

Y=708 480
X=2,632,020

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
8-16-84		R. Trowbridge		B. Cotcamp		6834		B. P. W.		3		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Lawner 2 1/2		Wash		Ferry-Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1481.0						
151	145		199°29' (54°31')		4.8	95°12'	-13.1	-17.9		1463.1		+84	+118	709,051	2,632,545
TP 152	459	458	200°54'20" (56°02'41")		10.3	94°10'	-33.3	-43.6		1437.4	TP	+256	+380	709,223	2,632,807 Across Sta
	"				3.7	95°00'	-40.0	-43.7			TP				
TP			000												
TP			000		+4.85	Hi		+4.8	1442.2		TP	0	0	709,223	2,632,807 Sunshot TP
A	85		160°02'06" (60°04'53")		4.8	92°15'	-3.3	-8.1		1431.1		+69	+50	709,292	2,632,857 Y=709,260 X=2,632,890
B.M.	247		168°20'41" (44°23'28")		11.1	90°		-11.1		1431.1		+177	+173	709,400	2,632,980 Y=709,400 X=2,632,980
153	327		170°48' (46°51')		4.8	90°42'	-4.0	-8.8		1433.4		+224	+239	709,447	2,633,046
154	649		167°48' (43°51')		6.0	88°07'	+21.3	+15.3		1457.5		+468	+450	709,691	2,633,257
T.P.	686		166°49'55"		4.3	88°00'	+24.0	+19.7		1461.9	TP	+502	+467	709,725	2,633,274
T.P.	"		(42°52'42")		4.3	272°	+24.0	+19.7			TP				Sunshot 000'
T.P.			000												
TP			000		+4.9	mi		+4.9	1466.8		TP	0	0	709,725	2,633,274
155	282	280.2	189°06' (51°59')		6.8	83°30'	+31.9	+25.1		1491.9		+173	+221	709,898	2,633,495
156	595	591.2	200°19' (63°12')		5.0	83°30'	+67.4	+62.4		1529.2		+227	+528	709,952	2,633,802
T.P.	567	563.4	198°58'30"		4.6	83°30'	+64.2	+59.6		1526.4	TP	+266	+497	709,988	2,633,772
"	"		(61°51'12")		1.3	83°50'	+60.9	+59.6			TP	-3	+1		
TP			000												
TP			000		+5.0			+5.0	1531.4		TP	0	0	709,988	2,633,772

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
8-17-84		R. Trowbridge		B. Cotcamp		6834		B. Clark		3		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Lawler 7 1/2		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1531.4						
157	347	345.7	154°31'(30°22')		4.8	85° -	+30.2	+25.4		1556.8		+278	+205	710,266	2633577
TP ₂	536	533.7	153°33'30"		3.5	84°40'	+49.8	+46.3		1577.7	TP	+435	+309	710,420	2634082
"	"	"	(35°24'42")		6.7	275°40'	+52.9	+46.2			TP	-3	+1		
TP			000												
TP ₂			000	+50				+5.0	1582.7		K	0	0	710,420	2634082
158	146	144.8	205°47'(41°12')		7.0	82°30'	+19.1	+12.1		1594.8		+70	+127	710,490	2634269
159	470	467.0	201°25'(56°50')		6.2	83°30'	+53.2	+47.0		1629.7		+255	+391	710,675	2634473
TP ₃	653	648.6	201°42'14"		6.7	83°20'	+75.8	+69.1		1651.8	TP	+352	+545	710769	2634628
"	"	"	(57°06'56")		4.4	83°32'30"	+73.5	+69.1			TP	-3	+1		
TP			000												
TP ₂			000	+455				+4.5	1656.3		K	0	0	710,769	2634628
160	105	104.3	139°53'(15°00')		6.6	83°16'	+12.5	+5.9		1662.2		+101	+27	710,870	2634655
TP ₄	249	247.3	134°23'31"		7.7	83°10'	+29.6	+21.9		1678.2	TP	+242	+49	711,008	2634678
"	"	"	(11°30'27")		4.8	83°50'	+26.7	+21.9			TP	-3	+1		
TP ₃			000												
TP ₄			000	+495				+4.9	1683.1		K	0	0	711,008	2634678
161	174	173.0	242°15'(73°45')		7.0	84° -	+18.2	+11.2		1694.3		+48	+166	711,056	2634844
TP ₅	376	374.6	236°41'49"		6.6	85° -	+32.8	+26.2			TP	+139	+348	711,144	2635027
"	"	"	(68°42'14")		6.7	275° -	+32.8	+26.1		1709.2	TP	-3	+1		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
8-17-84		R. Trowbridge		B. Cotcamp		6834		B. Clark		3		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Laurier 7 1/2		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER-ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₄			000							1709.2					
TP ₅			000		+4.9			+4.9	1714.1		X	0	0	711.144	2635027
162	122	121.5	143°00'(31°12')	70	89°20'	84°50'	+11.0	+4.0		1718.1		+104	+63	711.248	2635090
TP ₆	353	352.0	133°56'48"		3.9	85°40'	+26.7	+22.8		1736.9	TP	+326	+133	711.467	2635161
"	"	"	(22°09'02")		1.9	86°-	+24.6	+22.7			TD	-3	+1		
TP ₅			000												
TP ₆			000		+5.0			+5.0	1741.9		X	0	0	711.467	2635161
163	96		175°06'(17°15')		4.2	85°-	+8.4	+4.2		1746.1		+92	+28	711.559	2635189
164	422	420.4	160°50'(2°59')		9.4	85°-	+36.8	+27.4		1769.3		+420	+22	711.887	2635183
TP ₇	588	586.4	160°27'38"		4.0	85°50'	+42.7	+38.7		1780.6	TP	+586	+27	712.050	2635189
"	"	"	(2°36'40")		4.0	87°40'	+42.7	+38.7			TP	-3	+1		
TP ₆			000												
TP ₇			000		+5.0			+5.0	1785.6		X	0	0	712.050	2635189
165	164		190°53'(13°30')		7.7	86°20'	+10.5	+5.8		1791.4		+159	+38	712.209	2635227
TP ₈	456	455.4	185°28'12"		5.4	87°-	+23.9	+18.5		1804.1	TP	+451	+64	712.498	2635254
"	"	"	(8°04'52")		2.8	87°20'	+21.2	+18.4			TD	-3	+1		
TP ₇			000												
TP ₈			000		+4.9			+4.9	1809.0		X	0	0	712.498	2635254
166	37		195°08'(23°13')		5.3	86°-	+2.6	-2.7		1806.3		+34	+15	712.532	2635269
167	365		205°08'(33°13')		8.6	87°-	+19.1	+10.5		1819.5		+305	+200	712.803	2635454

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-17-84		R. Trowbridge		B. Colcamp		6834		B.C.W.		3		28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Lawler 1/2		Wash.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER-ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1809.0						
TP ₉	598		202°15'15"		5.0	87°40'	+24.4	+19.4	}	1828.4	TP	+516	+302	713.011	2635557
"	"		"(36°20'01")		5.1	272°20'	+24.4	+19.3		TP	-3	+1			
TP ₈			000						}	1833.3	X	0	0	713.011	2635557
TP ₉			000				+4.95	+4.9		X	0	0			
168	96		167°23'(17°45')		7.3	88°-	+3.4	-3.9		1829.4		+91	+29	713.102	2635586
169	423		159°18'(9°38')		5.2	89°-	+7.4	+2.2		1835.5		+417	+71	713.428	2635628
TP ₁₀	588	5	159°31'34"		5.8	89°-	+10.3	+4.5	}	1837.8	TP	+579	+101	713.587	2635659
"	"		"(9°51'41")		0.7	89°30'	+5.1	+4.4		TP	-3	+1			
TP ₉			000						}	1842.7	X	0	0	713.587	2635659
TP ₁₀			000				+4.95	+4.9		X	0	0			
Int	187		004°21'18'(194°13')		4.8	90°35'	-1.9	-6.7		1836.0	Δ	-181	-46	713.406	2635613
170	177		217°03'(46°55')		5.8	90°-		-5.8		1836.9		+121	+129	713.708	2635788
Δ	168		213°36'26'(43°28'01")		5.8	90°-		-5.8		1836.9	Δ	+122	+116	713.769	2635775
171	507		212°43'(42°35')		4.8	87°37'	+21.1	+16.3		1859.0		+373	+343	713.960	2636002
172 TP ₁₁	841	839.8	217°28'34"		7.5	87°-	+44.0	+36.5	}	1879.2	TP	+569	+618	714.153	2636278
"	"		"(47°20'15")		5.1	87°10'	+41.6	+36.5		TP	-3	+1			
172 TP ₁₀			006						}	1884.0	X	0	0	714.153	2636278
TP ₁₁			000				+4.85	+4.8		X	0	0			
173	324		196°33'(63°53')		9.8	86°-	+22.6	+12.8		1896.8		+143	+291	714.296	2636369

CRK Y=713700
X=2635780

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-17-84		R. Crowbridge		B. Cotcamp		6834		B.C.V.		3		29			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Laurier		Wash.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1884.0						
TP ₁₂	528	526.7	197°20'51"		9.8	86°-	+36.8	+27.0		1911.0	TP	+225	+476	714,375	2636,755
"	"	"	"(64°41'06")		3.7	86°40'	+30.7	+27.0		TP	-3	+1			
TP ₁₁			000						1915.8		X	0	0	714,375	2636,755
TP ₁₂			000		+4.8			+4.8							
174	134		218°13'(102°54')		1.8	90-		-1.8		1914.0		-30	+131	714,345	2636,864
Δ	235		208°15'18"(92°56'24")		0.8	89°30'	+2.1	+1.3		1917.1	#1	-12	+235	714,363	2636,990 #1 T-Intersect EL. 1917.6
175	467		208° (92°41')		5.5	89°30'	+4.1	-1.4		1914.4		-22	+466	714,353	2637,221 Y=714315 X=2637000
TP ₁₃	576		204°10'29"		7.5	88°50'	+11.7	+4.2		1920.0	TP	+11	+576	714,383	2637,332
"	"		(88°51'35")		10.8	88°30'	+15.1	+4.3		TP	-3	+1			
TP ₁₂			000						1924.8		X	0	0	714,383	2637,332
TP ₁₃			000		+4.8			+4.8							
Δ	64		225°15'33'(134°07'08")		10.3	94°10'	-4.7	-15.0		1909.8		-44	+46	714,339	2637,378 Cr X-ing Y=714310 X=2637350
176	236		205°55'(114°47')		12.0	87°50'	+8.9	-3.1		1921.7		-99	+214	714,284	2637,546
177	563		207°24'(116°16')		9.8	87°20'	+26.2	+16.4		1941.2		-249	+505	714,134	2637,837
TP ₁₄	1298	1296.5	207°02'23"		4.4	87°15'	+62.3	+57.9		1982.7	TP	-566	+1166	713,814	2638,499
"	"		(115°53'58")		4.5	272°45'	+62.3	+57.8		TP	-3	+1			
TP ₁₃			000						1987.4		X	0	0	713,814	2638,499
TP ₁₄			000		+4.70			+4.7							
178	417		351°08'(28°02')		8.0	92°40'	-19.4	-27.4		1960.0		+122	-399	713,936	2638,100
179	111		321°31'(263°25')		7.8	92°40'	-5.2	-13.0		1974.4		-13	-110	713,801	2638,389

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
8-17-84		R. Crowbridge		B. Cotcamp		6834		B.C.K.		3		30				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER*		
Washington		Laurier 7 1/2		Wash		Stevens								L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
180	216	214.9	135°02' (70°56')		5.3	84°20'	+21.3	+16.0	1987.4	2003.4		+70	+203	713.884	2638702	
TP ₁₅	507	505.1	129°56' 25"		4.1	85° -	+44.2	+40.1		2027.5	TP	+207	+461	714.018	2638961	
"	"	"	(65° 50' 23")		4.2	275° -	+44.2	+40.0			TP	-3	+1			
TP ₁₄			000													
TP ₁₅			000	+4.85				+4.8	2032.3		TP	0	0	714.018	2638961	
181	51		236°52' (122°42')		6.2	84°50'	+4.6	-1.6		2030.7		-28	+43	713.990	2639104	
182	380	378.5	226°31' (112°24')		8.2	84°50'	+34.2	+26.0		2058.3		-144	+350	713.874	2639311	
TP ₁₆	498	496.7	226°31' 17"		6.8	85°50'	+36.2	+29.4		2061.7	TP	-189	+459	713.826	2639420	
"	"	"	(112° 21' 40")		9.7	85°30'	+39.1	+29.4			TP	-3				
TP ₁₅			000													
TP ₁₆			000	+4.85				+4.8	2066.5		TP	0	0	713.826	2639420	
183	211		179°30' (111°52')		8.1	87°30'	+9.2	+1.1		2067.6		-79	+196	713.747	2639616	
TP ₁₈₄	539		178°50' 05"		3.5	84°30'	+23.5	+12.1		2078.6	TP	-195	+502	713.628	2639922	
TP ₁₇	"		(111° 11' 45")								TP	-3				
TP ₁₆			000													
TP ₁₇			000	+4.85				+4.8	2083.4		TP	0	0	713.628	2639922	
185	330		163°21' (94°33')		7.9	86°40'	+19.2	+11.3		2094.7		-26	+329	713.602	2640251	
186	660	658.9	" (94°33')		6.8	86°40'	+38.4	+31.6		2115.0		-52	+657	713.576	2640579	
187	991	989.6	162°12' 55"		7.8	87° -	+51.9	+44.1		2127.5	TP	-59	+988	713.569	2640910	Across Sta
TP ₁₈	991		(93° 24' 40")		5.0	87°10'	+49.0	+44.0			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-19-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		3		31			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Laurier 7 1/2		Wash		Stevens								L.O. Oquis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₁₃			000							2127.5					
TP ₁₄			000		+4.95			+4.9	2132.4		X	0	0	713.589	2640910
BM	307		002°18'46" (275°43'26")		14.9	90°-		-14.9		2117.5	BM	+31	-305	713.600	2640605
188	330		186°30' (99°55')		6.3	88°40'	+7.7	+1.4		2133.8		-57	+325	713.512	2641235
189	660		183°57' (99°22')		11.8	89°10'	+9.6	-2.2		2130.2		-85	+655	713.484	2641565
TP ₁₅	708		183°31'48" (96°56'28")		11.1	89°20'	+8.2	-2.9		2129.5	TP	-86	+703	713.481	2641613
"	"				11.2	89°40'	+8.2	-3.0			TP	-2			
TP ₁₆			000												
TP ₁₇			000		+4.85			+4.8	2134.3		X	0	0	713.481	2641613
190	284		194°34' (110°30')		6.7	90°-		-6.7		2127.6		-164	+264	713.377	2641877
T.P.	695		195°15'26" (112°11'54")		1.3	T.H.	+3.5	+2.2			TP	-263	+643	713.216	2642256
"	"				1.9	89°40'	+4.0	+2.1		2136.4	TP	-2			
TP ₁₈			000												
TP			000		+4.95			+4.9	2141.3		X	0	0	713.216	2642256
Δ	142		351°44'22" (283°56'16")		7.9	91°-	-2.5	-10.4		2130.9	INT.	+34	-138	713.250	2642118
191	90		337°50' (270°00')		6.6	91°-	-1.6	-8.2		2133.1		+1	-90	713.217	2642166
192	240		147°06" (79°18')		7.0	89°40'	+1.4	-5.6		2135.7		+45	+236	713.261	2642492
TP ₁₉	569		145°17'15" (77°29'09")		3.8	89°40'	+3.3	-0.5		2140.8	TP	+123	+555	713.337	2642811
"	"				0.5	90°-	-	0.5			TP	-2			
TP			000												
193 TP ₂			000		+5.0			+5.0	2145.8		X	0	0	713.337	2642811

H2. Corr Y = -51 X = +15
 Y = 713,600 X = 2640605
 BM A-21934 EL. 2117.5
 U.S.G.S.

2115.8

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-18-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		3		32			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Lawrier 7 1/2		Wash										L. DeWitt	
STATION NO.	SLOPE 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
									2145.8						
TP ₃	226		165°34'48"		5.7	88°40'	+5.3	-0.4	}	2145.4	TP	+102	+201	713.437	264.3012
"	"		(63°03'57")		0.4	90°-		-0.4		TP	-2				
TP ₂			000						}	2150.3	TP	0	0	713.437	264.3012
TP ₃			000		+4.95			+4.9		TP					
194	105		201°38'(84°42')		6.0	88°-	+3.7	-2.3		2148.0		+10	+105	713.447	264.3117
TP ₄	344		203°49'53"		5.0	88°-	+12.0	+7.0	}	2157.3	TP	+19	+343	713.454	264.3355
"	"		(86°53'50")		5.0	272°-	+12.0	+7.0		TP	-2				
TP ₃			000						}	2162.1	TP	0	0	713.454	264.3355
TP ₄			000		+4.8			+4.8		TP					
195	74		163°17'(70°11')		4.4	89°10'	+1.1	-3.3		2158.8		+25	+70	713.479	264.3425
196	396		137°37'(44°31')		5.5	89°-	+6.9	+1.4		2163.5		+282	+278	713.736	264.3633
TP ₅	439		137°36'11"		5.1	89°-	+7.7	+2.6	}	2164.6	TP	+313	+308	713.765	264.3663
"	"		(44°30'01")		7.8	272°20'	+10.2	+2.4		TP	-2				
TP ₄			000						}	2169.4	TP	0	0	713.765	264.3663
TP ₅			000		+4.8			+4.8		TP					
197	296		225°03'(88°33')		5.3	88°40'	+6.9	+1.6		2171.0		+2	+296	713.767	264.3959
TP ₆	228		224°12'25"		2.9	88°40'	+5.3	+2.4	}	2171.8	TP	+5	+228	713.768	264.3892
"	"		(88°42'26")		1.5	89°-	+4.0	+2.5		TP	-2		+1		
TP ₅			000						}	2176.7	TP	0	0	713.768	264.3892
TP ₆			000		+4.9			+4.9		TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-18-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		3		33			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Laurer 7 1/2		Wash.		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									2176.7						
198	395		187°34' (91°16')		2.5	90°-	-6.9	-14.4		2162.3		-43	+395	713.725	2644287
TP ₇	422		185°19'15"		2.5	90°-	-7.4	-14.9		2161.8	TP	-30	+421	713.736	2644314
"	"		(94°01'41")		1.4	91°50'	-13.5	-14.9			TP	-2	+1		
TP ₆			000												
TP ₅			000		+485			+4.9	2166.7		X	0	0	713.736	2644314
199	304		180°52' (94°54')		12.0	89°30'	+2.7	-9.3		2157.4		+3	+304	713.739	2644618
Δ	448		176°26'00" (90°21'41")		11.5	89°40'	+2.6	-8.9		2157.8	Δ	-4	+448	713.732	2644762 Int.
200	626		172°37' (88°35')		6.0	89°40'	+3.7	-2.4		2164.3		+37	+625	713.773	2644939
201	954		170°23' (84°25')		7.8	88°40'	+22.2	+14.4		2181.1		+93	+949	713.829	2645263
Δ	1162		170°38'40" (84°40'21")		3.1	88°40'	+27.1	+24.0		2190.7	Δ	+108	+1157	713.844	2645471 Y=713865 X=2645300
TP ₈ (202)	1283		171°14'00"		2.5	88°40'	+29.9	+27.4		2194.0	TP	+106	+1278	713.840	2645593
"	"		(85°15'41")		6.4	87°30'	+33.6	+27.2	+27.3		TP	-2	+1		
TP ₇			000												
TP ₈			000		+4.9			+4.9	2198.9		X	0	0	713.840	2645593
203	330		191°07' (96°23')		7.2	87°50'	+12.5	+5.3		2204.2		-37	+328	713.803	2645421
TP ₉	381		188°52'02"		9.3	87°50'	+14.4	+5.1		2204.0	TP	-27	+380	713.84	2645974
"	"		(94°07'43")		4.9	88°30'	+10.0	+5.1			TP	-2	+1		
TP ₈			000												
TP ₉			000		+4.95			+5.0	2209.0		X	0	0	713.811	2645974

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
8-18-84		R. Trowbridge		B. Cotcamp		6834		B. C. W.		3		34			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Laurier 7 1/2		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									2209.0						
204	274		166°35'(80°43')		10.1	88°20'	+8.0	-2.1		2206.9		+44	+270	713.855	2646244
205	603		165°17'(79°25')		6.3	88°20'	+17.5	+11.2		2220.2		+111	+593	713.922	2646567
TP ₁₀	645		164°12'42"		7.2	88°20'	+18.8	+11.6		2220.6	TP	+130	+631	713.939	2646606
"	"		(78°26'25")		1.6	88°50'	+13.1	+11.5			TP	-2	+1		
TP ₉			000												
TP ₀			000		+4.85			+4.8		2225.4	X	0	0	713.939	2646606
206	290		190°33'(88°53')		6.2	89°20'	+3.4	-2.8		2222.6		+6	+290	713.945	2646896
207	620		" (88°53')		11.3	89°40'	+3.6	-7.7		2217.7		+12	+620	713.951	2647226
TP ₁₁	1471		199°06'52"		9.0	T.H.	+7.4	-1.6		2223.8	TP	-191	+1459	713.746	2648066
"	"		(97°27'17")		10.3	270°20'	+8.6	-1.7			TP	-2	+1		
TP ₀			000												
TP ₄			000		+5.0			+5.0		2228.8	X	0	0	713.746	2648066
208	548		13°56'(291°23')		11.8	90°20'	-3.2	-15.0		2213.8		+200	-510	713.946	2647556
209	231		025°05'(302°32')		11.5	90°20'	-1.3	-12.8		2216.0		+124	-195	712.870	2647871
Int.	56		28°21'41"(305°48'58')		6.1	90°-		-6.1		2222.7	Δ	+33	-45	713.779	2648021
210	99		207°30'(124°57')		8.7	90°-		-8.7		2220.1		-57	+81	713.689	2648147
211	429	428.0	" (↓)		9.8	94°-		-29.9		2189.1		-245	+351	713.501	2648417
212	759	757.2	" (124°57')		5.3	94°-		-52.9		2170.6		-434	+621	713.312	2648687
213	1084	1082.3	200°22'(117°41')		7.8	93°20'		-63.0		2158.0		-505	+957	713.241	2649023

E1.2310 y=713810 x=2648000

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN.		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-18-84		R. Trowbridge		B. Cotecms		6834		B.C.W.		3		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Lawrier 7 1/2		Wash.		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₁₂	1284	1282.2	197°11'55"		9.1	93°-	-67.2	-76.3	2228.8	2152.5	TP	-535	+1165	713.209	2649233
"	"	"	(114°39'12")		130	217°10'	-63.4	-76.4			TP	-2	+2		
TP ₁₁			000												
TP ₁₂			000		+505			+5.1	2157.6		X	0	0	713.209	2649233
214	144		210°31'49" (145°11'01")		10.7	92°-	-5.0	-15.7		2141.9	Δ	-118	+82	713.091	2649315 Int $\begin{matrix} Y=713.110 \\ X=2649300 \end{matrix}$
215	324	323.4	135°33' (70°12')		10.1	93°30'	-19.8	-29.9		2127.7		+110	+304	713.319	2649537
TP ₁₃	941		131°23'06"		6.3	92°-	-32.8	-39.1		2118.5	TP	+382	+859	713.589	2650093
"	"		(66°02'18")		14.6	268°30'	-24.6	-39.2			TP	-2	+1		
TP ₁₂			000												
TP ₁₃			000		+4.8			+4.8	2123.3		X	0	0	713.589	2650093
216	306		344°46' (230°46')		10.3	89°-	+5.3	-5.0		2118.3		-193	-237	713.396	2649856
217	22		160°15' (46°17')		5.1	89°-	+0.4	-4.7		218.6		+15	+16	713.604	2650109
218	336	334.8	130°33' (16°35')		9.2	85°20'	+27.3	+18.1		2141.4		+321	+96	713.910	2650189
TP ₁₄	612	609.7	127°45'17"		7.3	85°-	+53.3	+46.0		2169.3	TP	+592	+145	714.179	2650239
"	"		(13°47'35")		12.7	275°30'	+58.7	+46.0			TP	-2	+1		
TP ₁₃			000												
TP ₁₄			000		+4.7			+4.7	2174.0		X	0	0	714.179	2650239
219	60		231°28' (70°16')		5.4	84°20'	+5.9	+0.5		2174.5		+20	+56	714.199	2650295
TP ₁₅	467	464.4	235°47'36"		9.4	84°-	+48.8	+39.4		2213.4	TP	+162	+435	714.339	2650625
"	"		(69°35'11")		6.6	84°20'	+46.1	+39.5			TP	-2	+1		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-18-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	3	PAGE	36
AREA	Washington	TO MAP	Laurens: Choc. Mtn. Wash	STATE	Wash	COUNTY	Stevens	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
TP			000							2213.4						
TP ¹⁴			000		+5.05			+5.0	2218.4		π	0	0	714.339	2650625	
220	84		345°45' (235°26')		10.2	92°-	-2.9	-13.1	2205.3			-48	-69	714.291	2650606	
TD	120		149°09'36"		1.9	89°-	+2.1	+0.2	2218.6		TP	+94	+75	714.431	2650751	
"	"		(38°44'47")		0.4	T.H.	+0.6	+0.2			TP	-2	+1			
TP ¹⁵			000													
TP			000		+4.9			+4.9	2223.5		π	0	0	714.431	2650751	
221	122		147°27' (6°12')		5.0	90°-		-5.0	2218.5			+121	+13	714.552	2650764	
222	451		139°23' (358°08')		9.0	90°-		-9.0	2214.5			+451	-15	714.882	2650736	
TP ¹⁷	491		139°14'56"		9.2	90°-		-9.2			TP	+491	-17	714.920	2650735	Y=714920 X=2650715
"	"		(357°59'43")		6.8	B.H.	-2.5	-9.3	2214.2		TP	-2	+1			
TP ¹⁶			000													
TP			000		+5.0			+5.0	2219.2		π	0	0	714.920	2650735	
INT	265	264.2	224°31'18" (42°31'01")		10.4	85°30'	+20.8	+10.4	2229.6		Δ	+195	+179	715.115	2650914	
223	300	299.0	227°17' (45°17')		10.1	85°30'	+23.5	+13.4	2232.8			+210	+212	715.130	2650947	
224	630	627.9	227°48' (47°48')		10.0	85°30'	+49.4	+39.4	2258.6			+422	+465	715.342	2651200	
225	955	952.7	229°26'23"		10.2	86°-	+66.6	+56.4	2275.6		TP	+644	+702	715.562	2651438	
"	"		(47°26'06")		5.7	86°16'	+62.2	+56.5			TP	-2	+1			
TP ¹⁸			000													
TP			000		+4.95			+4.9	2280.5					715.562	2651438	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-18-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		3		37			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Churchill Mtn 7*		Wash.		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									2280.5						
TP ₁₉	174		170°15'47"		0.9	90°		-0.9		2279.6	TP	+138	+106	715.698	2651545
"	"		(37°41'53")		0.0	B.H.	-0.9	-0.9			TP	-2	+1		
TP ₁₆			000												
TP ₁₆			000		+4.85			+4.8	2284.4		TP	0	0	715.698	2651545
226	155		210°54'(168°36')		5.4	87°30'	+6.8	+1.4		2285.8		+57	+144	715.755	2651684
227	482		216°49'(174°31')		7.8	87°30'	+21.0	+13.2		2297.6		+129	+465	715.827	2652010
228	812	811.2	216°42'(174°24')		11.2	87°40'	+33.1	+21.9		2306.3		+218	+781	715.916	2652326
TP ₂₀	929	928.2	216°51'42"		14.0	87°40'	+37.8	+23.8		2308.2	TP	+247	+895	715.943	2652441
"	"		(74°33'35")		5.9	88°10'	+29.7	+23.8			TP	-2	+1		
TP ₁₉			000												
TP ₂₀			000		+4.95			+4.9	2313.1		TP	0	0	715.943	2652441 (PBS)
229	212		203°16'(97°50')		6.5	88° -	+7.4	+0.9		2314.0		-29	+210	715.914	2652651
TP ₂₁	506		201°52'47"		3.9	88° -	+17.7	+13.8			TP	-57	+503	715.884	2652945
"	"		(96°26'22")		2.5	88°10'	+16.2	+13.7		2326.8	TP	-2	+1		
TP ₂₀			000												
TP ₂₀			000		+5.0			+5.0	2331.8		TP	0	0	715.884	2652945
230	33		168°52'(85°18')		5.3	86° -	+2.3	-3.0		2328.8		+3	+33	715.887	2652978
231	361		55°13'(71°39')		8.8	87°20'	+16.8	+8.0		2339.8		+114	+343	715.998	2653288
TP ₂₂	666	665.3	153°52'30"		4.7	87°20'	+31.0	+26.3		2358.1	TP	+224	+626	716.106	2653572
"	"		(70°18'52")		0.8	87°40'	+27.1	+26.3			TP	-2	+1		

AT

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-18-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.K.	LINE NO.	3	PAGE	38
AREA	Washington	TOPO MAP	Churchill Mtn	STATE	Wash	COUNTY	Stevens	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
TP ₁			000							2358.1				
TP ₂					+4.9			+4.9	2363.0		X	0	0	716.106 2653572
232	39		239°54' (130°13')		5.3	88°	+34	-1.9		2361.1		-25	+30	716.081 2653602 Cr. X-ing
Cr. X-ing	318	316.8	209°12'42" (99°31'34")		7.8	85°	+27.7	+19.9		2382.9	Δ	-52	+312	716.054 2653854 y=716.075 x=2653865
233	362	360.6	211°41' (102°00')		8.1	85°	+31.6	+23.5		2386.5		-75	+353	716.031 2653925
TP ₂₃	440	438.3	213°52'34" (104°11'26")		6.9	85°	+38.4	+31.5		2394.5	TP	-107	+425	715.996 2653998
"	"	"	"		4.3	85°20'	+35.8	+31.5			TP	-3	+1	
TP ₂₂			000											
TP ₂₃			000		+4.95			+4.9	2399.4		X	0	0	715.996 2653998
234	250	249	200°53' (125°04')		6.1	85°	+21.8	+15.7		2415.1		-143	+204	715.853 2654202
TP ₂₄	578	576.5	199°53'41' (124°05'07")		8.6	85°50'	+42.0	+33.4			TP	-323	+477	715.670 2654476
235	"	"	"		7.0	86°	+40.3	+33.3		2432.7	TP	-3	+1	
TP ₂₃			000											
235 TP ₂₄			000		+4.9			+4.9	2437.6		X	0	0	715.670 2654476
236	330		168°49' (112°54')		5.0	87°	+17.3	+12.3		2449.9		-128	+304	715.542 2654780
Int.	627	625.8	169°25'45" (113°30'52")		8.4	86°	+38.3	+29.9		2467.5	Δ	-250	+574	715.420 2655050 y=715.420 x=2655050
237	660	658.8	168°49' (112°54')		10.3	86°30'	+40.3	+30.0		2467.6		-256	+607	715.414 2655083 Sun Shot taken
238	989	987.6	" (112°54')		6.1	87°	+51.8	+45.7		2483.3		-384	+910	715.286 2655384 Correcting from
TP ₂₅	1066	1064.5	168°28'21" (112°33'28")		6.3	87°	+55.8	+49.5		2487.1	TP	-411	+982	715.259 2655458 112°33'28" to 112°43'20"
"	"	"	"*(112°43'27")		3.2	87°10'	+52.7	+49.5			TP			diff=00°09'59"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8-18-84	INSTRUMENT MAN R. Towler	ROD MAN B. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY B. Clark	LINE NO. 3	PAGE 39
AREA Washington	TOPO MAP Churchill Mtn. 78	STATE Wash	COUNTY Stevens	TWP	RANGE	PPM
				PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			Plates → (Grids)											
TP ₂₄			000							2487.1				
TP ₂₅			000	+4.9				+4.9	2492.0		π	0	0	715,259 2,655,456
239	250		162°43' (95°26')		4.8	86°43'	+14.3	+9.5		2501.5		-24	+248	715,235 2,655,706
TP ₂₆	395	392.4	162°34'24"		6.1	86°10'	+26.4	+20.3		2512.3	TP	-36	+392	715,224 2,655,849
"	"	"	(95°17'51")		8.3	85°50'	+28.7	+20.4			TP	+1	-1	
TP ₂₅			000											
TP ₂₆			000	+4.8				+4.8	2517.1		π	0	0	715,224 2,655,849
A240	194		213°49'52" (129°07'43')		6.4	88°-	+6.8	+0.4		2517.5	Δ	-122	+150	715,102 2,655,999 Int.
241	524		218°30' (133°48')		6.8	88°-	+18.3	+11.5		2528.6		-362	+378	714,862 2,656,227
TP ₂₄	853		217°38'42"		3.9	88°-	+29.8	+25.9		2543.0	TP	-581	+624	714,644 2,656,471
"	"		(132°56'33")		1.4	88°10'	+27.3	+25.9			TP	+1	-2	
TP ₂₆			000											
TP ₂₄			000	+4.9				+4.9	2547.9		π	0	0	714,644 2,656,471
243	328		164°42' (117°39')		8.1	86°30'	+20.0	+11.9		2559.8		-152	+290	714,492 2,656,761
TP ₂₄	656	654.4	163°56'12"		9.3	86°-	+45.8	+36.5		2584.4	TP	-296	+584	714,349 2,657,053
"	"		(116°52'45")		10.0	85°36'24"	+46.5	+36.5			TP	+1	-2	
TP ₂₄			000											
TP ₂₄			000	+4.8				+4.8	2589.2		π	0	0	714,349 2,657,053

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
8-21-84		R. Trowbridge		B. Cotcamp		68341		B. Clark		3		40			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Churchill Mtn. T2		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)						2589.2						
TP ₃	239		138°22'37"		4.0	87° -	+12.5	+8.5	2597.7	TP	+	61	+231	714,411	2,657,282
"	"		(75°15'22")		4.0	273° -	+12.5	+8.5							
TP ₂			000						2602.7	TP	0	0	714,411	2,657,282	
TP ₃			000		+5.05			+5.0							TP
245	83		184°39' (79°54')		5.7	88° -	+2.9	-2.8	2599.9	TP	+	15	+82	714,426	2,657,364
TP ₄	213		173°17'02"		6.9	88° -	+7.4	+0.5							
"			(68°32'24")		5.1	88°30'	+5.6	+0.5	2603.2	TP	+	11	-2	714,496	2,657,478
TP ₃			000												
TP ₄			000		+5.0			+5.0	2608.2	TP	0	0	714,490	2,657,478	
246	195		196°35' (85°01')		10.-	87°30'	+8.5	-1.5							TP
247	523		198°25' (86°51')		4.6	87°30'	+22.8	+18.2	2626.4	TP	+	28	+522	714,518	2,658,000
TP ₅	613		198°08'41"		4.0	87°30'	+26.7	+22.7							
"	"		(86°41'11")		2.2	87°40'	+25.0	+22.8	2630.9	TP	+	11	-2	714,526	2,658,087
TP ₄			000												
TP ₅			000		+4.85			+4.8	2635.7	TP	0	0	714,526	2,658,087	
248	239		159°46' (66°21')		9.1	86° -	+16.7	+7.6							TP
TP ₆	644		151°26'17"		7.5	87°20'	+30.0	+22.5	2643.3	TP	+	92	+573	714,819	2,658,658
"	"		(63°01'28")		9.4	87°10'	+31.8	+22.4							
TP ₅			000		+4.9			+4.9	2658.1	TP	0	0	714,819	2,658,658	
TP ₆			000												TP

BS?

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-21-84		R. Trowbridge		B. Cotcamp		6834		B. Cole		3		41			
AREA		TOPO. MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Churchill Mtn 7 1/2		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC.	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)						2663.0						
249	124		320°54' (203°55')		6.4	92° -	-4.3	-10.7		2652.3		-113	-50	714,706	2,658,608
250	261	199.9	139°46' (22°47')		4.8	84° -	+21.0	+16.2		2679.2		+184	+77	715,003	2,658,735
TP ₇	336	334.2	139°24'20"		5.9	84° -	+35.1	+29.2		2692.2	TP	+309	+128	715,130	2,658,784
"	"		(22°25'48")		1.0	84°50'	+30.3	+29.3			TP	+2	-2		
TP ₆			000												
TP ₇			000												
									2697.1		π	0	0	715,130	2,658,784
Δ	23		262°53'03" (105°18'51")		5.3	84° -	+2.4	-2.9		2694.2	Δ	-6	+22	715,124	2,658,806
251	229	227.8	269°03' (111°29')		7.0	84° -	+23.9	+16.9		2714.0		-83	+22	715,047	2,658,996
TP ₈	466	464.2	267°40'23" (110°01'43")*		8.7	85° -	+40.6	+31.9		2729.0	TP	-159	+436	714,973	2,659,218
"			(110°06'11")		4.7	85°30'	+36.6	+31.9			TP	+2	-2		
TP ₃			000												
TP ₈			000												
									2733.9		π	0	0	714,973	2,659,218
252	92		168°47' (98°49')		6.4	84° -	+9.6	+3.2		2737.1		-14	+90	714,959	2,659,308
TP ₉	174		157°49'25"		9.8	84° -	+18.2	+8.4		2742.3	TP	+7	+173	714,982	2,659,389
"			(87°51'08")		2.1	86°30'	+10.6	+8.5			TP	+2	-2		
TP ₈	17		000												
TP ₉			000												
									2747.3		π	0	0	714,982	2,659,389
253	237		159°39' (61°30')		6.3	87° -	+12.4	+6.1		2753.4		+113	+208	715,095	2,659,597
TP ₁₀	496	494.9	153°18'56"		4.7	86°10'	+33.2	+28.5		2775.8	TP	+239	+434	715,223	2,659,821
"			(61°10'04")		2.6	85°50'	+36.0	+28.4			TP	+2	-2		

* Sun Shot taken
Correcting to
110°01'43"
diff = 00°04'28"

Crk. Crossing

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
8-21-84		R. Trowbridge		B. Cotcamp		6834		B. Clark		3		42			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Churchill Mtn 7 1/2		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)												
TP ₉			000							2775.8					
TP ₁₀			000		+4.75			+4.8	2780.6		TP	0	0	715.223	2,659,821
254	91		231°26' (112°36')		8.2	89° -	+1.6	-6.6		2774.0		-35	+84	715.188	2,659,905
255	422		221°44' (108°54')		4.8	88° -	+14.7	+9.9		2790.5		-137	+399	715.086	2,660,220
256	749	748.0	227°17' (108°21')		4.9	87° -	+39.2	+34.3		2814.9		-237	+710	714,986	2,660,531
TP ₁₁	784	782.9	226°56'54" (108°06'58")		3.4	87° -	+41.0	+37.6		2818.2	TP	-243	+744	714,982	2,660,563
"					8.1	273°20'	+45.6	+37.5			TD	+2	-2		
TP ₁₀			000												
TP ₁₁			000		+4.95			+5.0	2823.2		TP	0	0	714,982	2,660,563 Hz Corr $\chi = -23$
B.M.	153	151.9	164°33'00" (92°39'58")		11.1	83° -	+18.6	+7.5		2830.7	B.M.	-7	+152	714,975	2,660,715 $\chi = -23$ E1.2830.7
257	295	294.0	155°40' (83°47')		5.9	85°10'	+24.9	+19.0		2842.2		+32	+292	715,014	2,660,855
TP ₁₂	607	605.4	153°32'31" (81°39'29")		5.0	85°50'	+44.1	+39.1		2862.3	TP	+88	+599	715,070	2,661,162
"					5.5	85°47'	+44.6	+39.1			TP				
TP ₁₂			000												
TP ₁₃			000		+4.9			+4.9	2867.2		TP	0	0	715,070	2,661,162
258	17		204°33' (106°12')		4.8	85°30'	+1.3	-3.5		2863.7		-5	+16	715,065	2,661,178
259	346	344.9	202°02' (103°41')		6.5	85°30'	+27.1	+20.6		2887.8		-82	+335	714,988	2,661,497
260	675	672.9	201°29' (103°08')		10.2	85°30'	+53.0	+42.8		2910.0		-153	+655	714,917	2,661,817
TP ₁₃	826	824.0	200°40'06" (102°19'35")		6.9	86° -	+57.6	+50.7		2917.9	TP	-176	+805	714,874	2,661,967
"					4.5	86°10'	+55.2	+50.7			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-21-84	INSTRUMENT MAN	R.	ROD MAN	B	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.	LINE NO.	3	PAGE	93	
AREA	Washington	TOPO MAP	Churchill Mtn 7.5	STATE	Wash	COUNTY	Stevens	TWP		RANGE		PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFER-ENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
TP ₂			000		+5.0			+5.0	2922.9		π	○	○	714,894	2,661,967	
261	179		152°54' (75°14')		6.0	88°-	+6.2	+0.2		2923.1		+46	+173	714,940	2,662,140	
T.P. ₁₄	226		140°30'53"		6.8	88°-	+7.9	+1.1		2924.0	TP	+82	+211	714,976	2,662,178	
"			(68°50'28")		2.9	89°-	+3.9	+1.1			TP					
TP ₁₃			000													
TP ₁₄			000		+4.85			+4.9	2928.9		π	○	○	714,976	2,662,178	
262	278		172°47' (61°37')		8.1	90		-8.1		2920.8		+132	+245	715,108	2,662,423	
TP ₁₅	323		173°57'03"		6.6	90		-6.6		2922.3	TP	+148	+287	715,124	2,662,465	
"			(62°47'31")		5.0	B.H	-1.6	-6.6			TP					
TP ₁₄			000													
TP ₁₅			000		+5.0			+5.0	2927.3		π	○	○	715,124	2,662,465	
263	285		180°53' (67°41')		4.8	88°53'	+5.6	+0.8		2928.1		+99	+267	715,223	2,662,732	
Δ	324		180°33'48' (180°21'19")		6.1	88°50'	+6.6	+0.5		2927.8	Δ	+114	+303	715,238	2,662,768	Int. X = 715,280 -2662,700
TP ₁₆	433		180°50'05"		1.6	88°50'	+8.8	+7.2		2934.5	TP	+151	+406	715,255	2,662,871	
"			(180°37'36")		5.4	88°20'	+12.6	+7.2			TP					
TP ₁₅			000													
TP ₁₆			000		+4.9			+4.9	2931.4		π	○	○	715,275	2,662,871	
264	206		238°10' (127°48')		10.9	90-		-10.9		2928.5		-126	+163	715,149	2,663,034	
TP ₁₇	353		237°09'45"		12.3	90-		-12.3		2927.1	TP	-211	+283	715,064	2,663,154	
"			(126°47'21")		10.6	B.H.	-1.8	-12.4			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-21-84		R. Towbridge		B. Cotcamp		6834		R.T.		3		44			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Churchill Mtn 72		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)												
TP ₁₆			000							2927.1					
TP ₁₇			000	+5.0				+5.0	2932.1		X	O	O	715.064	2,663,154
265	178		195°29' (142°16')		6.3	90-		-6.3		2925.8		-141	+109	714,923	2,663,263
TP ₁₈	352		191°01'06"		4.8	90-		-4.8		2927.3	TP	-261	+236	714,803	2,663,390
"			(137°48'27")		6.6	T.H.	+1.8	-4.8			TP				
TP ₁₇			000												
TP ₁₈			000	+4.7				+4.7	2932.0		X	O	O	714,803	2,663,390
266	153		140°03' (97°51')		7.3	90-		-7.3		2924.7		-21	+152	714,782	2,663,542
TP ₁₉	217		133°19'20"		9.0	90-		-9.0		2923.0	TP	-4	+217	714,799	2,663,607
"			(91°05'49")		8.0	B.H.	-1.1	-9.1			TP				
TP ₁₈			000												
TP ₁₉			000	+4.9				+4.9	2927.9		X	O	O	714,799	2,663,607
267	257		158°25' (69°33')		7.3	93°30'	-15.7	-23.0		2904.9		+90	+240	714,889	2,663,847
TP ₂₀	534	532.5	157°07'26"		6.3	94°20'	-40.3	-46.6		2881.3	TP	+197	+495	714,996	2,664,102
"			(68°15'13")		6.3	265°40'	-40.3	-46.6			TP				
TP ₁₉			000												
TP ₂₀			000	+4.85				+4.85	2886.2		X	O	O	714,996	2,664,102
268	50		195°40' (83°55')		7.0	90-		-7.0		2879.2		+5	+50	715,001	2,664,152
TP ₂₁	364		187°40'10"		6.5	90-		-6.5			TP	+89	+353	715,085	2,664,455
"			(75°55'23")		4.6	B.A	-1.8	-6.4		2879.8	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-21-84		R. Trowbridge		B. Cottramp		6834		R.T.		3		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Churchill Mtn. 75		Wa.		Stevens								L Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates -> (Grids)												
TP ₂₀			000							2879.8					
TP ₂₁			000	+ 4.75				+ 4.8	2884.6		X	0	0	715,085	2,664,455
269	14		142°07' (38°02')		4.2	90 -		-4.2		2880.4		+11	+9	715,096	2,664,464
270	341		135°28' (31°23')		4.0	89° -	+6.0	+2.0		2886.6		+291	+178	715,376	2,664,633
TP ₂₂	469		135°31'25" (31°26'48")		2.8	89° -	+8.2	+5.4		2890.0	TP	+400	+245	715,485	2,664,700
"	"				0.1	89°20'	+5.5	+5.4			TP				
TP ₂₁			000												
TP ₂₂			000	+ 4.85				+ 4.9	2894.9		X	0	0	715,485	2,664,700
271	207		206°52' (58°19')		6.1	86°50'	+11.4	+5.3		2900.2		+109	+176	715,594	2,664,876
TP ₂₃	351		206°19'03' (57°45'51")		8.8	88°20'	+10.2	+1.4		2896.3	TP	+187	+297	715,672	2,664,997
"	"				10.9	88° -	+12.3	+1.4			TP				
TP ₂₂			000												
TP ₂₃			000	+ 4.6				+ 4.6	2900.9		X	0	0	715,672	2,664,997
272	195		224°04' (01°50')		5.4	93°40'	-12.5	-17.9		2883.0		-40	+190	715,642	2,665,187
TP ₂₄	291		223°22'39" (01°08'30")		6.2	93°40'	-18.6	-24.8			TP	-56	+285	715,616	2,665,282
"	"				12.9	92°20'	-11.8	-24.7	-24.6	2876.2	TP				
TP ₂₃			000												
TP ₂₄			000	+ 4.9				+ 4.9	2881.1		X	0	0	715,616	2,665,282
273	225	224.3	128°55' (50°04')		5.5	94°30'	-17.7	-23.2		2857.9		+144	+172	715,760	2,665,454

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE				
8-21-84		Churchill Mtn. 7.5		Wa.		Stevens		6834		R.H.		3 46				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Washington		Churchill Mtn. 7.5		Wa.		Stevens										
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
TP ₂₅	362	360.9	129°15'39" (50°24'09")		4.0	94°30'	-28.4	-32.4	2881.1	2848.7	TP	+230	+278	715.846	2,665.560	
TP ₂₄			000		13.5	267°-	-18.9	-32.4			TP					
TP ₂₅			000	+4.9				+4.9	2853.6		X	0	0	715.846	2,665.560	
TP ₂₆	368		144°14'44" (14°38'53")		2.4	90-		-2.4		2851.2	TP	+356	+93	716.202	2,665.653	
TP ₂₅			000		4.2	T.H.	+1.8	-2.4			TP					
TP ₂₆			000	+5.05				+5.1	2856.3		X	0	0	716.202	2,665.653	
274	186		04°44' (199°23')		4.8	98°13'	-10.4	-15.2		2841.1		-175	-62	716.027	2,665.591	
275	205		209°14' (113°53')		4.8	91°42'	-6.1	-10.9		2845.4		-83	+187	716.119	2,665.840	
TP ₂₇	291		278°49'27" (113°25'20")		6.8	90-		-6.8		2849.5	TP	-116	+267	716.086	2,665.920	
TP ₂₆			000		5.4	B.H.	-1.5	-6.9			TP					
TP ₂₇			000	+4.95				+4.9	2854.4		X	0	0	716.086	2,665.920	
276	241		198°54' (132°22')		4.8	86°32'	+14.6	+9.8		2864.2		-162	+178	715.924	2,666.098	
TP ₂₈	270		178°18'24" (131°46'44")		5.3	86°30'	+16.5	+11.2		2865.6	TP	-180	+201	715.906	2,666.121	
TP ₂₇			000		6.0	86°20'	+17.3	+11.3			TP					
TP ₂₈			000	+5.0				+5.0	2870.6		X	0	0	715.906	2,666.121	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-21-84		R. Trowbridge		B. Cotcamp		6834		R.T.		3		47			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Churchill Mtn		Wg.		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									2870.6						
277	300		165°46' (117°33')		6.1	87°20'	+14.0	+7.9		2878.5		-139	+266	715.767	2,666,387
TP ₂₇	373		164°20'42"		10.4	87°20'	+17.4	+7.0		2877.6	TP	-164	+335	715.742	2,666,456
			(116°07'26")		7.2	87°50'	+14.1	+6.9			TP				
TP ₂₈			000												
TP ₂₉			000	+5.1				+5.1	2882.7		X	0	0	715.742	2,666,456
278	277		230°54' (167°01')		4.8	86°53'	+15.1	+10.3		2893.0		-270	+62	715.472	2,666,518
TP ₃₀	472	470.2	232°4'24"		6.3	85°-	+41.1	+34.8		2917.5	TP	-461	+95	715.281	2,666,551
"			(168°21'50")		9.5	84°30'	+45.2	+35.7			TP				
TP ₂₉			000												
TP ₃₀			000	+5.0				+5.0	2922.5		X	0	0	715.281	2,666,551
279	93		175°11' (163°33')		6.2	90-		-6.2		2916.3		-89	+26	715.192	2,666,577
TP ₃₁	136		117°02'20"		6.5	90-		-6.5		2916.0	TP	-36	+131	715.245	2,666,682
"			(105°24'10")		5.8	B.H.	-0.7	-6.5			TP				
TP ₃₀			000												
TP ₃₁			000	+5.1				+5.1	2921.1		X	0	0	715.245	2,666,682
280	227		120°43' (46°07')		4.8	88°31'	+5.9	+1.1		2922.2		+157	+164	715.462	2,666,846
TP ₃₂	326		119°32'57"		4.9	88°30'	+8.5	+3.6		2924.7	TP	+231	+230	715.476	2,666,912
"			(44°57'07")		30	88°50'	+6.6	+3.6			TP				
TP ₃₁			000												
TP ₃₂			000	+5.0				+5.0	2929.7		X	0	0	715.476	2,666,912

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
8-21-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		3		48						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
Washington		Churchill Mtn 72		Wa.		Stevens								L. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS				
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X		
									2929.7									
281	234		241°52'19"		7.0	86°20'	+15.0	+8.0	}	2937.7	TP	-87	+217	715.389	2,667,129			
TP ₃₃	"		(111°47'26")		6.3	86°30'	+14.3	+8.0		TP								
TP ₃₂			000															
TP ₃₃			000		+4.9			+4.9	}	2942.6	TP	0	0	715.389	2,667,129			
282	337		112°40' (44 29)		5.1	89°0'	+5.9	+0.8			2943.4		+240	+236	715.629	2,667,365		
283	665		110°35' (42°24)		3.9	89°20'	+7.7	+3.8			2946.4		+491	+448	715.880	2,667,577		
TP ₃₄	800		110°21'06"		3.9	89°20'	+9.3	+5.4	}	2948.0	TP	+593	+537	715.982	2,667,666			
"	"		(42°10'32")		8.5	89°0'	+14.0	+5.5			TP							
TP ₃₃			000															
TP ₃₄			000		+4.95			+4.9	}	2952.9	TP	0	0	715.982	2,667,666			
284	191	1190.4	231°- (93°11')		5.6	85°20'	+15.5	+9.9			2962.8		-11	+190	715.971	2,667,856		
TP ₃₅	172		229°12'05"		5.2	85°20'	+14.0	+8.8		}	2961.7	TP	-4	+171	715.978	2,667,837		
"			(91°22'37")		6.2	85°0'	+15.0	+8.8	TP									
TP ₃₄			000															
TP ₃₅			000		+4.9			+4.9	}	2966.6	TP	0	0	715.978	2,667,837			
285	343	341.8	162°48'01"		5.2	85°10'	+28.9	+23.7		}	2990.3	TP	+93	+329	716.071	2,668,166		
TP ₃₆			(74°10'38")		3.2	85°30'	+26.9	+23.7				TP						
TP ₃₅			000															
TP ₃₆			000		+4.75			+4.7	}	2995.0	TP	0	0	716,071	2,668,166			

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-21-84		R. Trowbridge		B. Cotcamp		6834		B.C. W		3		49			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Churchill Mtn. 7.5'		Wash.		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates -> (Grids)						2995.0						
TP ₃₇	238		169°53'43"		6.3	86°20'	+15.2	+8.9		3003.9	TP	+104	+2141	716,175	2,668,380
"			(61°04'21")		4.2	86°50'	+13.1	+8.9			TP				
TP ₃₆			000								π	○	○	716,175	2,668,380
TP ₃₇			000	+4.85				+4.8	3008.7		π	○	○	716,175	2,668,380
287	93		231°15' (115°19')		5.4	87°30'	+4.1	-1.3	3007.4		π	-40	+84	716,135	2,668,464
TP ₃₈	225		233°37'39"		3.6	87°30'	+9.8	+6.2	3014.9		TP	-105	+199	716,070	2,668,579
"			(117°41'60")		1.0	88°10'	+7.2	+6.2			TP				
TP ₃₇			000								π	○	○	716,070	2,668,579
TP ₃₆			000	+4.85				+4.8	3019.7		π	○	○	716,070	2,668,579
288	180	179.2	161°32' (99°14')		4.8	84°27'	+17.4	+12.6	3032.3		π	-29	+177	716,041	2,668,756
TP ₃₄	619	65.6	162°33'48"		7.5	84°00'	+14.7	+57.2	3076.9		TP	-110	+606	715,960	2,669,185
"			(100°15'48")		3.9	84°20'	+6.1	+57.2			TP				
TP ₃₈			000								π	○	○	715,960	2,669,185
TP ₃₈			000	+4.95				+4.9	3081.8		π	○	○	715,960	2,669,185
288	112		353°07' (273°23')		4.8	94°48'	-9.4	-14.2	3067.6		π	+7	-111	715,967	2,669,074
289	218	216.9	189°33' (109°49')		5.8	84°20'	+21.5	+15.7	3097.5		π	-74	+204	715,886	2,669,389
TP ₂	463	460.5	182°23'54"		10.8	84°-	+48.4	+37.6	3119.4		TP	-140	+439	715,820	2,669,624
"			(107°09'42")		6.8	84°30'	+44.4	+37.6			TP				
TP ₂			000								π	○	○	715,820	2,669,624
TP ₂			000	+4.6				+4.6	3124.0		π	○	○	715,820	2,669,624

Y-716,190
X-2668,320
Cr. X-ING

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

GEO-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE					
8-22-84		R. Trowbridge		B. Cotcamp		6834		B.C.L.		3		50					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER			
Washington		Churchill Mtn. 7.5		Wash.		Stevens								L. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH - LAT.	EAST + WEST - DEP.	COORDINATES		REMARKS	
														Y	X		
			Plates → (Grids)						3124.0								
290	85		191°17' (118°57')		4.8	91°06'	-1.6	-6.4		3117.6		-41	+74	715.779	2,669,698		
TP ₃	361		182°13'55"		4.9	89°30'	+3.2	-1.7		3122.3	TP	-123	+339	715.697	2,669,963		
"			(109°53'37")		8.1	89°-	+6.3	-1.8			TP						
TP			000														
TP ₃			000		+4.95			+4.9	3127.2		TP	0	0	715.697	2,669,963		
291	52		195°55' (125°49')		7.6	90		-4.6		3122.6		-30	+42	715.667	2,670,005		
292	381		195°53' (125°47')		5.7	B.H.	-1.9	-7.6		3119.6		-223	+309	715.474	2,670,272		
TP ₄	527		191°58'23"		8.0	90-		-8.0		3119.2	TP	-278	+448	715.419	2,670,411		
"			(121°51'60")		5.3	B.H.	-2.6	-7.9			TP						
TP ₃			000														
TP ₄			000		+4.9			+4.9	3124.1		TP	0	0	715.419	2,670,411		
293	179		160°48' (102°40')		4.3	90'-		-4.3		3119.8		-39	+175	715.380	2,670,586		
294	509		161°04' (102°56')		5.8	90'-		-5.8		3118.3		-114	+496	715.305	2,670,907		
TP ₅	611		159°25'00"		4.9	90'-		-4.9		3119.2	TP	-120	+599	715.299	2,671,010		
"			(101°16'60")		8.0	T.H.	+3.1	-4.9			TP						
TP ₄			000														
TP ₅			000		+4.95			+4.9	3124.1		TP	0	0	715.299	2,671,010		
295	226		164°39' (85°56')		6.1	B.H.	-1.1	-7.2		3116.9		+16	+225	715.315	2,671,235		
296	556		" (u-)		4.9	B.H.	-2.8	-7.7		3116.4		+39	+555	715.338	2,671,565		
Δ	683		164°42'34" (85°59'34")		5.2	B.H.	-3.4	-8.6		3115.5	Δ	+48	+681	715.347	2,671,697		Y=715385 X=2671605

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-22-84		R. Trowbridge		B. Cotcamp		6834		B.P.W		3		51			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Churchill Mtn 75		Wash.		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS A TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)						3124.1						
297	884		164°37' (85°56')		6.7	90-		-6.7		3117.4		+63	+882	715.362	2,671,892
TP ₆	950		164°24'07"		5.6	90-		-5.6		3118.5	TP	+71	+947	715.370	2,671,957
"			(85°41'67")		10.4	T.H.	+4.8	-5.6			TP				
TP ₅			000												
TP ₆	264		000	+4.9				+4.9	3123.4		π	0	0	715.370	2,671,957
298	264		160°06' (65°47')		5.6	T.H.	+1.3	-4.3		3119.1		+108	+241	715.478	2,672,198
299	590		160°35' (66°16')		4.8	89°33'	+4.6	-0.2		3123.2		+237	+540	715.607	2,672,497
TP ₅	802		160°33'52"		6.9	89°30'	+7.0	+0.1		3123.5	TP	+323	+734	715.693	2,672,691
"			(66°14'59")		11.5	89°10'	+11.7	+0.2			TP				
TP ₆			000												
TP ₅			000	+4.8				+4.8	3128.3			0	0	715.693	2,672,691
Δ	229		02°09'18" (248°24'17")		4.8	90-		-4.8		3123.5	Δ	-84	-213	715.609	2,672,478
300	117		188°55' (75°10')		5.0	90-		-5.0		3123.3		+30	+113	715.723	2,672,804
301	447		191°21' (77°36')		5.3	90-		-5.3		3123.0		+96	+437	715.789	2,673,128
TP ₈	671		190°55'54"		2.8	90-		-2.8		3125.5	TP	+149	+654	715.842	2,673,345
"			(77°10'53")		6.2	T.H.	+3.4	-2.8			TP				
TP ₈			000												
TP ₈			000	+5.0				+5.0	3130.5		π	0	0	715.842	2,673,345
302	102		180°13' (77°24')		5.2	90-		-5.2		3125.3		+22	+100	715.864	2,673,445
Δ	213		173°38' (70°48'53")		6.0	90°24'	-1.5	-7.5		3123.0		+70	+201	715.912	2,673,546

INTX-715690
X-2672460

Y-715900
X-2673490
E1.31230

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-22-84		R. Trowbridge		B. Cotcamp		6834		R.T.		3		52			
AREA		TOPO MAP		STATE		COUNTRY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Churchill Mtn. 75		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)						3130.5						
303	434		176°01' (73°12')		5.9	90		-5.9		3124.6		+125	+415	715.967	2,673.760
TP ₉	457		176°41'54"		5.5	90-		-5.5		3125.0	TP	+127	+439	715.969	2,673.784
"			(73°52'47")		7.8	T.H.	+2.3	-5.5			TP				
TP ₈			000												
TP ₉			000	+4.8				+4.8	3129.8		π	0	0	715.969	2,673.784
Δ	63		208°14'46" (102°07'33")		5.3	90-		-5.3		3124.5	Δ	-13	+62	715.956	2,673.846 Int. y=715.900 x=2,673.805
304	304		202° - (95°53')		5.3	B.H.	-1.5	-6.8		3123.0		-31	+302	715.938	2,674.086
TP ₁₀	544		203°29'19"		3.1	T.H.	+2.7	-0.4		3129.4	TP	-70	+540	715.899	2,674.324
"			(97°22'06")		3.6	89°40'	+3.2	-0.4			TP				
TP ₉			000												
TP ₁₀			000	+5.0				+5.0	3134.4		π	0	0	715.899	2,674.324
305	87		168°13' (85°35')		4.8	90-		-4.8		3129.6		+7	+87	715.906	2,674.411
306	414		154°41' (72°03')		6.0	T.H.	+2.1	-3.9		3130.5		+128	+394	716.027	2,674.718
TP ₁₁	538		158°47'29"		4.5	90-		-4.5		3129.9	TP	+200	+499	716.099	2,674.823
"			(68°09'35")		7.2	T.H.	+2.7	-4.5			TP				
TP ₁₀			000												
TP ₁₁			000	+5.0				+5.0	3134.9		π	0	0	716.099	2,674.823
307	202		163°39' (51°47')		2.4	90-		-2.4		3132.5		+125	+159	716.224	2,674.982
308	531		160°48' (48°58')		6.0	T.H.	+2.7	-3.3		3131.6		+349	+401	716.448	2,675.224

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO	PAGE			
8-22-84		R. Trowbridge		B. Cotcamp		6834		R.T.		3	53			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
Washington		Churchill Mtn.		Wash		Stevens					L. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			Plates → (Grids)						3134.9					
TP ₁₂	709		160°25'24"		3.6	T.H.	+3.5	-0.1	}	3134.8	TP	+469	+532	716,568 2,675,355
"			(48°34'59")		2.2	89°50'	+2.1	-0.1		TP				
TP ₁₁			000						}					
TP ₁₂			000	+4.95				+4.9		3139.7		π	0	0
309	152		183°37' (52°12')		6.5	B.H.	-0.8	-7.3		3132.4		+93	+120	716,661 2,675,475
310	478		187°05' (55°40')		5.9	B.H.	-2.4	-8.3		3131.4		+270	+395	716,838 2,675,750
311	803		191°42' (60°17')		4.8	90°35'	-8.2	-13.0		3126.7		+396	+697	716,966 2,676,052
312	1129		193°03' (61°38')		6.2	B.H.	-5.6	-11.8		3127.9		+536	+993	717,104 2,676,348
TP ₁₃	1227		192°25'24"		13.7	90-		-13.7	}	3126.0	TP	+595	+1073	717,163 2,676,428
"	"		(61°00'23")		7.6	B.H.	-6.1	-13.7		TP				
TP ₁₂			000						}					
TP ₁₃			000	+5.0				+5.0		3131.0		π	0	0
313	232		174°23' (55°23')		4.8	91°46'	-7.2	-12.0		3119.0		+132	+191	717,295 2,676,619
TP ₁₄	453		169°11'40"		8.9	90°30'	-3.9	-12.8	}	3118.2	TP	+290	+348	717,453 2,676,774
"			(50°12'03")		4.9	91°-	-7.9	-12.8		TP				
TP ₁₃			000						}					
TP ₁₄			000	+5.0				+5.0		3123.2			0	0
314	99		147°09' (17°21')		5.3	90-		-5.3		3117.9		+95	+30	717,548 2,676,806
315	427		136°15' (06°27')		4.8	90°38'	-4.7	-9.5		3113.7		+424	+48	717,877 2,676,824

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSURUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE				
8-22-84		R. Traubridge		B. Cotcamp		6834		R.T.		3		54				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Washington		Churchill Mtn. 7.5		Wash		Stevens								L. Devitt		
STATION NO.	SLOPE DISTANCE	PLOTTING 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
			Plates → (Grids)						3123.2							
ATP ₁₅	594		136°08'13" (162°20'16")		11.0 8.0	90°- B.H		-11.0 -11.0		3112.2	TP TO	+590	+66	718,043	2,676,842	IX
TP ₁₄			000													
TP ₁₅			000		+5.05			+5.0	3117.2		π	0	0	718,043	2,676,842	
316	163		207°39'(33°59'16")		2.5	90-		-2.7		3114.5		+135	+91	718,178	2,676,933	X = 718,240 2,676,905 Sec line
TP ₁₆	404		208°46'11" (28°06'27")		5.6 0.9	88°- 88°40'	+14.1 +9.4	+8.5 +8.5		3125.7	TP TP	+356	+190	718,399	2,677,032	
TP ₁₅			000													
TP ₁₆			000		+5.05			+5.0	3130.7		π	0	0	718,399	2,677,032	
317	88		192°44'(40°50')		5.4	87°30'	+3.8	-1.6		3129.1		+67	+57	718,466	2,677,089	
TP ₁₇	243		192°21'06" (40°30'33")		6.0 1.7	87°30' 88°30'	+10.6 +6.4	+4.6 +4.7		3135.3	TP TP	+185	+158	718,584	2,677,190	
TP ₁₆			000													
TP ₁₇			000		+5.05			+5.0	3140.3		π	0	0	718,584	2,677,190	
318	158		152°23'(12°51')		5.1	87°-	+8.3	+3.2		3143.5		+154	+35	718,738	2,677,225	
TP ₁₈	418		149°01'06" (09°31'39")		5.5 4.3	87°40' 87°50'	+17.0 +15.8	+11.5 +11.5		3151.8	TP TP	+412	+69	718,996	2,677,259	
TP ₁₈			000													
TP ₁₈			000		+4.95			+4.9	3156.7		π	0	0	718,996	2,677,259	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
8-22-84		R. Trowbridge		B. Cotcamp		6834		R.T.		3	55						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
Washington		Churchill Mtn.	Wash	Stevens					L. Davis								
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									3156.7								
319	69		199°43' (29°15')		4.8	89°04'	+3.5	-1.3		3155.4		+60	+34	719,056	2,677,293		
TP ₁₉	215		206°30'25"		6.6	82°-	+11.3	+4.7		3161.4	TP	+174	+126	719,170	2,677,385		
"			(35°52'04")		2.9	88°-	+7.5	+4.6			TP						
TP ₁₈			000														
TP ₁₉			000		+4.95			+4.9		3166.3	X	0	0	719,170	2,677,385		
Δ	21		261°03'42" (116°55'46")		4.8	87°41'	+0.8	-4.0		3162.3		-10	+19	719,160	2,677,404	Y-719200 X-2677404 Int.	
320	139		137°36' (353'28)		4.0	90°-	-2.4	-6.4		3159.9		+138	-16	719,308	2,677,369		
321	468		139° - (354'52)		2.8	89°-	+8.2	+5.4		3171.7		+466	-42	719,636	2,677,343		
TP ₂₀	651		138°40'56"		4.8	88°40'	+15.2	+10.4		3176.7	TP	+648	-62	719,818	2,677,323		
"			(354'33'00")		2.9	88°50'	+13.3	+10.4			TP						
TP ₁₉			000														
TP ₂₀			000		+50.5			+5.0		3181.7	X	0	0	719,818	2,677,323		
322	145		178°16' (352'49)		4.8	91'31'	-3.8	-8.6		3173.1		+144	-18	719,962	2,677,305		
TP ₂₁	280		172°47'00"		8.8	90°-		-8.8		3172.9	TP	+273	-61	720,091	2,677,262		
"			(347°20'00")		2.4	B.H.	-1.4	-8.8			TP						
TP ₂₀			000														
TP ₂₁			000		+4.75			+4.7		3177.6	X	0	0	720,091	2,677,262		
Δ	91		169°43'54" (337°03'54")		4.2	90°-		-4.2		3173.4	Δ	+84	-35	720,175	2,677,227	Y-720200 X-2677205 Crk Xing	
323	186		167°22' (334'42')		4.8	87°16'	+8.9	+4.1		3181.7		+168	-79	720,259	2,677,183		

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO	PAGE						
8-22-84		R. Trowbridge		B. Cotcamp		6834		R.T.		3	56						
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER								
Washington		Churchill Mtn 7.5	Wash	Stevens													
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
			Plates → (Grid)						3177.6								
TP ₂₂	200		170°59'40"		4.7	89°20'	+9.3	+4.6	}	3182.2	TP	+186	-74	720,277	2,677,188		
"			(338°19'40")		2.3	88°-	+7.0	+4.7		TP							
TP ₂₁			000						}	3187.2	X	0	0	720,277	2,677,188		
TP ₂₂			000	+5.0				+5.0									
324	308		188°29' (356°49')		4.8	89°09'	+4.6	-0.2	}	3187.0		+307	-17	720,584	2,677,171		
TP ₂₃	618		196°51'54"		3.6	89°10'	+9.0	+5.4		TP	3192.6	TP	+616	-52	720,893	2,677,136	
"	"		(355°11'31")		5.4	89°-	+10.8	+5.4	TP								
TP ₂₂			000						}	3197.6	X	0	0	720,893	2,677,136		
TP ₂₃			000	+5.0				+5.0									
323	106		006°44'58" (151°56'33")		5.2	91°-	-1.8	-7.0	}	3190.6	A	-106	-4	720,787	2,677,132	TP	
325	27		235°26' (50°38')		4.3	91°-	-0.5	-4.8			3192.8		+17	+21	720,910	2,677,157	
326	351		210°56'31"		2.6	89°20'	+4.1	+1.5	}	3199.1	TP	+315	+155	721,208	2,677,291		
TP ₂₄			(26°08'05")		4.6	89°-	+6.1	+1.5		TP							
TP ₂₃			000						}	3204.0	X	0	0	721,208	2,677,291		
326 TP ₂₄			000	+4.9				+4.9									
327	330		188°06' (34°14')		5.0	89°20'	+3.8	-1.2	}	3202.8		+273	+186	721,481	2,677,477		
328	659		188°00' (34°08')		5.1	89°10'	+9.6	+4.5			3208.5		+545	+370	721,753	2,677,661	
TP ₂₅	850		187°42'04"		8.1	89°10'	+12.4	+4.3	}	3208.3	TP	+706	+473	721,914	2,677,764		
"			(33°50'09")		3.2	89°30'	+7.4	+4.2		TP							

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-22-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.	LINE NO.	3	PAGE	57	
AREA	Washington	TOPO MAP	Churchill Mtn. 75	STATE	Wash.	COUNTY	Stevens	TWP		RANGE		PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)												
TP ₂₄			000							3208.3					
TP ₂₅			000		+5.0			+5.0	3213.3		X	0	0	721,914	2,677,764
329	134		116°03' (14°53')	L	4.7	90°-		-4.7		3208.6		+130	+34	722,044	2,677,798
TP ₂₆	433		155°40'36"		5.4	88°-	+15.1	+9.7		3223.0	TP	+427	+72	722,341	2,677,836
TP ₂₅			(09°30'45")		1.6	88°30'	+11.3	+9.7			TP				
TP ₂₆			000	*	+5.1			+5.1	3228.1		X	0	0	722,341	2,677,836
330	57		247°20' (76°51')		5.7	92°-	-2.0	-7.7		3220.4		+13	+55	722,354	2,677,891
331	373		205°44' (39°15')		5.6	89°30'	+3.3	-2.3		3225.8		+289	+236	722,630	2,678,072
TP ₂₇	719		210°03'30"		4.6	88°10'	+23.0	+18.4		3246.5	TP	+554	+458	722,895	2,678,294
TP ₂₆			(39°34'15")		4.7	271°50'	+23.0	+18.3			TP				
TP ₂₇			000		+4.95			+4.9	3251.4		X	0	0	722,895	2,678,294
332	40		306°08' (165°42')		4.8	93°49'	-2.7	-7.5		3243.9		-39	+10	722,856	2,678,304
TP ₂₈	137		157°57'49"		4.0	90°-		-4.0		3247.4	TP	+131	+41	723,026	2,678,335
TP ₂₇			(17°32'04")		4.7	T.H.	+0.7	-4.0			TP				
TP ₂₈			000		+5.0			+5.0	3252.4		X	0	0	723,026	2,678,335
333	150		150°34' (348°06')		5.0	88°-	+5.2	+0.2		3252.6		+147	-31	723,173	2,678,304

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-22-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.	LINE NO.	3	PAGE	58
AREA	Washington	TOPO MAP	Churchill Mtn. 75	STATE	Wash.	COUNTY	Stevens	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates = (Grids)						3252.4						
TP ₂₉	349		145°55'49"		0.9	88°-	+12.2	+11.3	3263.7	TP	+	334	-99	723.360	2,678,236
"			(343°27'53")		1.9	89°50'	+13.2	+11.3							
TP ₂₈	1		000						3268.5	TP	+	0	0	723.360	2,678,236
TP ₂₉			000		+4.8		+4.8								
339	127	126.5	231°00' (341°28')		5.2	85°-	+11.1	+5.9	3274.4	TP	+	104	+72	723.464	2,678,308
TP ₃₀	416		229°20'46"		5.1	86°20'	+26.6	+21.5							
			(32°48'39")		7.6	86°-	+29.0	+21.4	3290.0	TP	+	349	+225	723.709	2,678,462
TP ₂₉			000												
TP ₃₀			000		+4.85			+4.8	3294.8	TP	+	0	0	723.709	2,678,462
Δ335	40		171°39'12" (241°27'51")		4.4	90°-		-4.4							
TP ₃₁	195		182°19'00"		7.4	90°-		-7.4	3287.4	TP	+	159	+112	723.868	2,678,575
"			(35°07'39")		6.5	B.H.	-1.0	-7.5							
TP ₃₀			000						3292.3	TP	+	0	0	723.868	2,678,575
TP ₃₁			000		+4.9			+4.9							
336	176		200°55' (56°03')		4.8	89°40'	+1.0	-3.8	3288.5	TP	+	98	+146	723.966	2,678,721
TP ₃₂	340		198°57'18"		2.0	T.H.	+1.7	-0.3							
			(54°04'57")		2.3	87°40'	+2.0	-0.3	3292.0	TP	+	199	+275	724.067	2,678,851
TP ₃₁			000												
TP ₃₂			000		+5.05			+5.0	3297.0	TP	+	0	0	724.067	2,678,851
337	170		226°15' (100°20')		4.8	91°-	-3.0	-7.8							
									3289.2					724.037	2,679,018

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SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8-22-84		R. Trowbridge		B. Cotcamp		6834		R.T.		3	59					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Washington		Churchill Mtn.	Wash	Stevens					L. Davis							
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
			Plates-(Grids)						3297.0							
TP ₃₃	290		225°45'02"		10.9	90-		-10.9	}	3286.1	TP	-50	+286	724,017	2,679,138	
"	"		(99°49'59")		9.4	B.H.	-1.5	-10.9		TP				+1		
TP ₃₂			000		4.95				}		π	0	0	724,017	2,679,138	
TP ₃₃			000		+4.95			+4.9		3291.0						
338	203		145°04' (64°54')		4.8	89°10'	+3.0	-1.8		3289.2		+86	+184	724,103	2,679,327	
339	533		" "		6.7	89°10'	+7.8	+1.1		3292.1		+227	+482	724,244	2,679,250	
TP ₃₄	783		43°20'57"		4.5	89°10'	+4.6	+0.1	}	3291.1	TP	+353	+699	724,371	2,679,838	
"			(63°10'56")		3.8	T.H.	+3.9	+0.1		TP			+1	+1		
TP ₃₃			000						}		π	0	0	724,371	2,679,838	
TP ₃₄			000		+5.0			+5.0		3296.1						
340	80		180°27' (63°38')		4.8	90°48'	-1.1	-5.9		3290.2		+36	+72	724,407	2,679,910	Hz. Corr. y = +1 x = +5
Δ	217		165°11'24" (48°22'20")		4.8	89°49'	+0.7	-4.1		3292.0	Δ	+144	+162	724,515	2,680,000	Int. Y = 724,515 X = 2,680,000
341	408		170°18' (54°28'56")		6.1	90°10'	-1.2	-7.3		3288.8		+237	+332	724,608	2,680,170	
TP ₃₅	582		171°17'42" (54°28'38")		4.9	90°-		-4.9	}	3291.2	TP	+338	+474	724,709	2,680,312	
"					2.0	B.H.	-2.9	-4.9		TP						
TP			000						}		π	0	0	724,709	2,680,312	
TP			000		+4.95			+5.0		3296.2						
Δ	48		221°55'03" (96°33'11")		6.5	90-		-6.5		3289.7	Δ	-5	+48	724,704	2,680,360	Int
342	180		241°43' (116°21')		6.1	91°40'	-5.2	-11.3		3284.9		-80	+161	724,629	2,680,473	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
8-2		R. Trowbridge		B. Cotcamp		6834		R.T.		W 3		60			
AREA		TOP MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazar Mtn		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)						3296.2						
TP ₂	283		237°47'58"		11.6	91°40'	-8.2	-19.8	}	3276.4	TP	-108	+261	724,601	2,680,573
"			(112°26'12")		5.0	93° -	-14.8	-19.8		TP					
TP ₁			000						}	3281.3	TP	0	0	724,601	2,680,573
TP ₂			000	+4.85			+4.9			TP					
343	218		116°51' (100°17')		6.2	93° -	-11.4	-17.6	}	3263.7		-39	+214	724,562	2,680,787
TP ₃	293		115°28'26"		9.2	92° -	-10.2	-19.4		TP			-40	+290	724,561
"	"		(97°54'38")		14.3	91° -	-5.1	-19.4	TP						
TP ₂			000						}	3266.5	TP	0	0	724,561	2,680,863
TP ₃			000	+4.6			+4.6			TP					
344	268		227°53' (145°48')		10.4	94° -	-18.7	-29.1	}	3237.4		-221	+150	724,340	2,681,013
TP ₄	407		228°06'18"		5.3	92°50'	-20.1	-25.4		TP			-337	+227	724,224
"			(146°00'56")		1.7	93°20'	-23.7	-25.4	TP						
TP ₃			000						}	3246.3	TP	0	0	724,224	2,681,090
TP ₄			000	+5.15			+5.2			TP					
345	193		198°57' (164°58')		6.9	92° -	-6.7	-13.6	}	3232.7		-186	+50	724,038	2,681,140
TP ₅	309		199°14'10"		9.0	92° -	-10.8	-19.8		TP			-299	+79	723,925
"			(165°15'06")		3.6	93° -	-16.2	-19.8	TP						
TP ₄			000						}	3231.4	TP	0	0	723,925	2,681,169
TP ₅	0		000	+4.9			+4.9			TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-25-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	R.T.	LINE NO.	3	PAGE	61	
AREA	Washington	TOPO MAP	Belshazzar Mtn.	STATE	Wash	COUNTY	Stevens	TWP		RANGE		PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									3231.4					
346	208		115°33' (100°48')		9.9	92°-	-7.3	-17.2		3214.2		-39	+204	723,886 2,681,373
TP ₆	256		111°51'53"		11.5	92°-	-8.9	-20.4		3211.0	TP	-32	+254	723,893 2,681,423
"			(97°06'59")		2.6	94°-	-17.9	-20.5			TP			
TP ₅			000											
TP ₆			000	+4.9				+4.9	3215.9		TP	0	0	723,893 2,681,423
347	278		158°27' (75°34')		5.7	93°-	-14.5	-20.2		3195.7		+69	+269	723,962 2,681,692
TP ₇	567	566.4	157°01'44"		5.0	92°45'	-27.2	-32.2		3183.7	TP	+155	+545	724,048 2,681,968
"			(74°08'43")		5.1	267°15'	-27.2	-32.3			TP			
TP ₆			000											
TP ₇			000	+4.8				+4.8	3188.5		TP	0	0	724,048 2,681,968
Δ	67		269°05' (163°13'43")		6.4	93°-	-3.5	-9.9		3178.6	SL	-64	+19	723,984 2,681,987 # section line int.
348	86		262°23' (161°32')		6.4	93°-	-4.5	-10.9		3177.6		-81	+27	723,967 2,681,995
TP ₈	265		256°39'30"		1.6	91°50'	-8.5	-10.1		3178.5	TP	-231	+129	723,817 2,682,097
"			(150°48'13")		0.7	92°-	-9.2	-9.9	-10.0		TP			
TP ₇			000											
TP ₈			000	+4.75				+4.8	3183.3		TP	0	0	723,817 2,682,097
349	149		203°11' (173°59')		11.8	90°-		-11.8		3171.5		-148	+16	723,669 2,682,113
TP ₉	427		204°07'37"		12.8	90°-		-12.8		3170.5	TP	-425	+38	723,392 2,682,135
"			(174°55'50")		10.7	B.H	-2.1	-12.8			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT/MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8-25-84		R. Trowbridge		B. Cotcamp		6834		R.T.		3	62					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Washington		Bellevue	Wash.	Stevens					L. Davis							
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
TP ₈			000							3170.5						
TP ₉			000		+ 4.8			+4.8	3175.3		π	0	0	723,392	2,682,135	
350	61		97°02'(91°58')		7.9	90°-		-7.9		3167.4		-2	+61	723,390	2,682,196	
TP ₁₀	323	322.2	86°51'48" (81°47'38")		5.9	94°-	-22.5	-28.4		3146.9	TP	+46	+319	723,438	2,682,454	
"					6.0	266°-	-22.5	-28.5			TP					
TP ₉			000													
TP ₁₀			000		+ 5.1			+5.1	3152.0		π	0	0	723,438	2,682,454	
351	16		194°55'(96°43')		5.7	90°-		-5.7		3146.3		-2	+16	723,436	2,682,470	
352 TP ₁₁	330		161°30'10" (63°17'48")		3.8	93°50'	-22.1	-25.9		3126.1	TP	+148	+294	723,586	2,682,748	
"					1.9	94°10'	-24.0	-25.9			TP					
TP ₁₀			000													
352 TP ₁₁			000		+ 5.0			+5.0	3131.1		π	0	0	723,586	2,682,748	
TP ₁₂	263		194°01'25" (77°19'13")		4.7	91°-	-4.6	-9.3		3121.8	TP	+58	+257	723,644	2,683,005	Begin X-Country
"					9.3	90°-		-9.3			TP					
TP ₁₁			000													
TP ₁₂			000		+4.9			+4.9	3126.7		π	0	0	723,644	2,683,005	
TP ₁₃	123	121.5	167°12'02" (64°31'15")		13.5	99°-	-19.2	-32.7		3094.0	TP	+52	+110	723,696	2,683,115	
"					11.3	100°-	-21.4	-32.7			TP					End X-Country
TP ₁₂			000													
TP ₁₃			000		+ 4.9			+4.9	3098.9		π	0	0	723,696	2,683,115	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8.25.84		R. Trombridge		B. Cotcamp		6834				3	63				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Washington		Belshazzar Mtn. - 7 1/2		WASH.		Stevens					L.O. J.				
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									3098.9						
353	53	52.3	345° 55' (230° 26')		4.8	80° 41'	+8.6	+3.8		3102.7		-33	-40	723,663	2,683,075
354	269		140° 51' (25° 22')		8.8	93° -	-14.1	-22.9		3076.0		+243	+115	723,939	2,683,230
TP ₁₄	378		139° 31' 16"		9.3	93° -	-19.8	-29.1		3069.8	TP	+345	+154	724,041	2,683,269
--	--		(24° 02' 31")		14.8	92° 10'	-14.3	-29.1			TP				
TP ₁₃	-		0° 00' 00"												
TP ₁₄	-				+5.1	-		+5.1	3074.9		X	0	0	724,041	2,683,269
TP ₁₅	187	182.9	216° 17' 23"		0.8	102° -	-38.9	-39.7		3035.3	TP	+91	+159	724,132	2,683,428
--	--		(60° 19' 54")		0.5	102° 04' 42"	-39.1	-39.6			TP				
TP ₁₄	-		0° 00' 00"												
TP ₁₅	-				+4.9	-		+4.9	3040.2		X	0	0	724,132	2,683,428
355	44		246° 16' (96° 36')		4.8	99° 18'	-7.1	-11.9		3028.3		-5	+44	724,127	2,683,472
TP ₁₄	293		217° 30' 06"		5.8	92° -	-16.2	-16.0		3024.2	TP	-40	+290	724,092	2,683,718
--	--		(97° 49' 60")		14.5	BM	-1.5	-16.0			TP				
TP ₁₅	-		0° 00' 00"												
TP ₁₆	-				+5.0	-		+5.0	3029.2		X	0	0	724,092	2,683,718
356	73		122° 44' (46° 34')		9.0	-		-9.0		3020.2		+55	+47	724,147	2,683,765
TP ₁₇	344		116° 36' 42"		7.5	92° 50'	-17.0	-24.5		300	TP	+283	+194	724,375	2,683,912
--	--		(34° 26' 42")		2.4	93° 40'	-22.0	-24.4		3004.8	TP				
TP ₁₆	-		0° 00' 00"												
TP ₁₇	-				+5.2	-		+5.2	3010.0		X	0	0	724,375	2,683,912

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-25-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	3	PAGE	67
AREA	Washington	TOPO MAP	Belshazzar	STATE	Wash	COUNTY	Stevens	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			Plates - (Grids)						3010.0					
35)	55		172°58' (27°25')		6.3	90-		-6.3		3003.7		+49	+25	724,424 2,683,937
TP ₁₈	236		110°39'47"		6.3	92-	-8.2	-14.5		2995.5	TP	+228	+61	724,603 2,683,973
			(15°06'29")		4.9	92°20'	-9.6	-14.5			TP			
TP ₁₉			000											
TP ₁₉			000	+5.15				+5.2	3000.7		X	0	0	724,603 2,683,973
358	151		245°56' (81°01')		12.9	90-		-12.9		2987.8		+24	+149	724,627 2,684,122
TP ₁₉	338		246°05'08"		14.1	90-		-14.1		2986.6	TP	+52	+334	724,655 2,684,307
			(81°11'37")		12.4	B.H.	-1.7	-14.1			TP			
TP ₁₈			000											
TP ₁₉			000	+4.9				+4.9	2991.5		X	0	0	724,655 2,684,307
359	134		179°03' (80°15')		10.9	94°-	-9.3	-20.2		2971.3		+23	+132	724,678 2,684,439
TP ₂₀	442	440.9	174°56'32"		2.8	94°-	-30.8	-33.6		2957.9	TP	+106	+428	724,761 2,684,735
			(76°08'09")		10.5	93	-23.1	-33.6			TP			
TP ₁₉			000											
TP ₂₀			000	+4.95				+5.0	2962.9		X	0	0	724,761 2,684,735
360	19		15°12' (51°20')		6.0	90-		-6.0		2956.9		+12	+15	724,773 2,684,750
361	339		170°00'30"		13.5	90-		-13.5		2949.4	TP	+137	+310	724,898 2,685,045 F.S.?
TP ₂₁			(66°08'39")		10.5	90°30'	-3.0	-13.5			TP			
TP ₂₀			000											
(30) TP ₂₁			000	+4.8				+4.8	2954.2		X	0	0	724,898 2,685,045 B.S.?

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
8-25-84		R. Trowbridge		B. Cotnam		6834		B.C.W		3		65			
AREA		TPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazzar		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates (Grids)						2954.2						
TP ₂₂	193	192.3	205°18'43" (91°27'22")		6.0	95°	-16.8	-22.8		2931.4	TP	-5	+192	724,893	2,685,237
					8.2	94°20'	-14.6	-22.8		TP					
TP ₂₁			000						2936.5			0	0	724,893	2,685,237
TP ₂₂			000	+5.05				+5.1							
TP ₂₃	129		221°38'24" (133°05'46")		6.6	90°		-6.6	2929.9		TP	-88	+94	724,805	2,685,331
(362)	"				6.0	B.H.	-0.6	-6.6		TP					
TP ₂₂			000						2934.7			0	0	724,805	2,685,331
TP ₂₃			000	+4.8				+4.8							
TP ₂₄	198		161°42'36" (114°48'22")		14.5	90°		-14.5	2920.2		TP	-83	+180	724,722	2,685,511
"					13.5	B.H.	-1.0	-14.5		TP					
TP ₂₃			000						2925.2			0	0	724,722	2,685,511
TP ₂₄			000	+5.0				+5.0							
363	127		208°40' (143°28')		13.3	B.H.	-0.6	-13.9		2911.3		-102	+76	724,620	2,685,587
TP ₂₅	252	251.4	204°45'2" (139°33'49")		6.9	94°		-17.6	2900.7		TP	-191	+163	724,531	2,685,674
"					11.3	93°		-13.2		-24.5	TP				
TP ₂₄			000						2905.6			0	0	724,531	2,685,674
TP ₂₅			000	+4.9				+4.9							
364	202		141°14' (100°48')		5.4	92°		-7.0		2893.2		-38	+198	724,493	2,685,872
TP ₂₆	228		138°00'20" (97°34'09")		5.1	92°		-8.0	2892.6		TP	-30	+226	724,501	2,685,900
"					7.1	93°		-11.9		-13.0	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-25-84	INSTRUMENT MAN	R. Traylor	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	3	PAGE	66
AREA	Washington	TOPO MAP	Belshazzar Mtn	STATE	Wash	COUNTY	St	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
TP ₂₅			000							2892.6				
TP ₂₆			000		+4.9			+4.9	2897.5		X	0	0	724,501 2,685,900
Δ	287		139°13'54" (56°48'03")		4.8	92°52'	-14.4	-19.2	2878.3		IF	+157	+240	724,658 2,686,140
365	297		139°11' (56°51')		4.8	92°54'	-15.0	-19.8	2877.7			+162	+248	724,663 2,686,148
TP ₂₇	540	539.3	139°41'30"		6.1	92°50'	-26.7	-32.8			TP	+292	+454	724,793 2,686,354
			(57°15'39")		2.9	93°10'	-29.8	-32.7	2864.8		TP			
TP ₂₆			000											
TP ₂₉			000		+5.0			+5.0	2869.8		X	0	0	724,793 2,686,354
366	81		148°49' (61°05')		9.4	90°-		-9.4	2860.4			+73	+36	724,866 2,686,390
TP ₂₈	436		133°52'54"		10.3	92°40'	-20.3	-30.6	2839.2		TP	+427	+84	725,220 2,686,438
"			(11°08'33")		7.8	93°-	-22.8	-30.6			TP			
TP ₂₇			000											
TP ₂₈			000		+4.95			+5.0	2844.2		X	0	0	725,220 2,686,438
TP ₂₉	228		321°51'32"		6.7	93°-	-11.9	-18.6	2825.6		TP	-203	+103	725,017 2,686,541
"			(153°00'05")		14.7	91°-	-4.0	-18.7			TP			
TP ₂₈			000											
TP ₂₉			000		+4.9			+4.9	2830.5		X	0	0	725,017 2,686,541
367	78		114°52' (87°52')		9.0	90°-		-9.0	2821.5			+3	+78	725,020 2,686,619
TP ₃₀	150		111°03'06"		11.8	90°-		-11.8			TP	+16	+149	725,033 2,686,690
"			(84°03'11")		12.5	T.H.	+0.8	-11.7	2818.8		TP			

724,610 x 2,686,095
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SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN.		ROD MAN.		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8-25-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		3	67					
AREA		TOP MAP	STATE	COUNTY		TWP		RANGE	PPM	PARTY MANAGER						
Washington		Belshazar Mtns	Wash	Stevens						L. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
			Plates (Grids)													
TP ₂₉	1		000							2818.8						
TP ₃₀			000	+	5.0			+5.0	2823.8		π	0	0	725.033	2,686,696	
TP ₃₁	128		152°13'50"		12.9	90-		-12.9		2810.9	TP	+71	+106	725.104	2,686,796	
"			(56°17'01")		12.3	B.H.	-0.6	-12.9			TP					
TP ₃₀			000													
TP ₃₁			000	+	5.05			+5.0	2815.9		π	0	0	725.104	2,686,796	
368	118		190°26' (60°43')		12.8	90-		-12.8		2803.1		+47	+108	725.151	2,686,904	
Δ	323		186°10'29" (62°27'30")		7.6	92°50'	-16.6	-23.6		2792.3	S.L.	+149	+286	725.253	2,687,082	# Section Line 2nd
369	447		187°04' (63°21')		5.0	92°50'	-22.1	-27.1		2788.8		+200	+399	725.304	2,687,195	
370	776		187°04' (63°21')		6.4	92°50'	-38.3	-44.7		2771.2		+348	+693	725.452	2,687,489	
TP ₃₂	943	941.7	186°57'42"		2.0	93°-	-49.3	-51.3		2764.6	TP	+424	+841	725.528	2,687,637	
"			(63°14'43")		12.9	92°20'	-38.4	-51.3			TP					
TP ₃₁			000													
TP ₃₂			000	+	4.9			+4.9	2769.5		π	0	0	725.528	2,687,637	
371	167		140°09' (23°24')		9.1	93°-	-8.7	-17.8		2751.7		+153	+66	725.681	2,687,703	
TP ₃₃	388	387.1	138°10'55"		3.3	94°-	-27.1	-30.4		2739.1	TP	+360	+141	725.898	2,687,778	
"			(21°25'38")		13.5	92°30'	-16.9	-30.4			TP					
TP ₃₂			000													
TP ₃₃			000	+	4.8			+4.8	2743.9		π	0	0	725.888	2,687,778	
372	106		197°50' (39°16')		9.9	90-		-9.9		2734.0		+82	+67	725.970	2,687,845	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
8-25-84		R. Trowbridge		B. Cotcamp		6834		B.C.W		3		68			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazer Mtn 78		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (bricks)						2743.9						
373	435		193°25' (34°51')		11.7	92°-	-15.2	-26.9		2717.0		+357	+248	726,245	2,688,026
TP ₃₄	548	547.3	193°30'48" (34°56'26")		3.8	93°-	-28.7	-32.5		2711.4	TP	+449	+313	726,337	2,688,091
					8.6	92°30'	-23.9	-32.5			TP				
TP ₃₃			000												
TP ₃₄			000	+4.7				+4.7	2716.1		X	0	0	726,337	2,688,091
374	222		203°06' (58°02')		9.8	92°-	-7.7	-17.5		2698.6		+117	+188	726,454	2,688,279
TP ₃₅	317		203°54'33" (58°50'59")		10.1	92°-	-11.1	-21.2		2694.9	TP	+164	+271	726,501	2,688,362
					4.6	93°-	-16.6	-21.2			TP				
TP ₃₄			000												
TP ₃₅			000	+4.8				+4.8	2699.7		X	0	0	726,501	2,688,362
375	234		189°49' (63°40')		7.0	92°-	-8.2	-15.2		2684.5		+104	+210	726,605	2,688,572
TP ₃₆	288		188°19'37" (67°10'36")		3.2	93°-	-15.1	-18.3		2681.4	TP	+112	+265	726,614	2,688,627
					5.7	92°30'	-12.6	-18.3			TP	+1			
TP ₃₅			000												
TP ₃₆			000	+5.0				+5.0	2686.4		X	0	0	726,614	2,688,627
376	272		170°13' (57°24')		10.3	92°-	-9.5	-19.8		2666.6		+146	+229	726,760	2,688,856
Δ	264		169°04'12" (56°14'48")		10.3	92°-	-9.2	-19.5		2666.9		+147	+219	726,761	2,688,846
377	595	594.2	160°27'52" (57°38'28")		6.2	93°-	-31.1	-37.3		2649.1	TP	+318	+502	726,933	2,689,129
TP ₃₇					7.9	92°50'	-29.4	-37.3			TP	+1			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE					
8-25-84		R. Rowbridge		B. Cotcamp		6834		B.C.W		3		69					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER			
Washington		Belshazzar Mts		Wash.		Stevens								L. Davis			
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS			
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X	
			Plates-7(Grids)														
TP ₃₆			000							2649.1							
TP ₃₇			000		+4.9			+4.9	2654.0		TP	0	0	726,933	2,689,129		
Δ	103		351°20'36" (228°59'04")		8.4	85° -	+9.0	+0.6		2654.6			-67	-77	726,866	2,689,052	Int
378	321		146°50' (24°29')		9.3	91° -	-5.6	-14.9		2639.1			+292	+133	727,225	2,689,262	
379	649		142°02' (23°40')		13.3	91° -	-11.3	-24.6		2629.4			+594	+260	727,527	2,689,389	
TP ₀	833		146°42'36" (24°21'04")		4.8	91°40' -	-24.2	-29.0		2625.0	TP		+759	+343	727,693	2,689,472	
					0.0	92° -	-29.1	-29.1			TP		+1				
TP ₀			000														
TP ₁			000		+5.1			+5.1	2630.1		TP	0	0	727,693	2,689,472		
380	152		206°20' (50°41')		9.3	90° -		-9.3		2620.8			+96	+118	727,789	2,689,570	
381	435		175°41' (20°02')		4.8	91°28' -	-11.1	-15.9		2614.2			+409	+149	728,102	2,689,621	
TP ₂	425		173°19'14" (17°40'18")		4.8	92° -	-14.8	-19.6		2610.5	TP		+405	+129	728,099	2,689,601	
					12.2	91° -	-7.4	-19.6			TP		+1				
TP ₁			000														
TP ₂			000		+4.95			+4.9	2615.4		TP	0	0	728,099	2,689,601		
TP ₃	311		169°28'18" (7°08'36")		7.9	90° -		-7.9		2607.5	TP		+309	+39	728,409	2,689,640	
"					6.3	B.H.	-1.6	-7.9			TP		+1				
TP ₀			000														
TP ₃			000		+5.1			+5.1	2612.6		TP	0	0	728,409	2,689,640		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-28-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W	LINE NO.	3	PAGE	70
AREA	Washington	TOPO MAP	Bekazzar Mtn	STATE	Wash.	COUNTY	Stevens	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			Plains (Grids)						2612.6					
382	35		240°20' (67°29')		5.3	90°-		-5.3		2607.3		+13	+32	728,422 2,689,672
TP ₁	269		225°28'48" (52°37'24")		12.7	91°-	-4.7	-17.4		2595.2	TP	+163	+214	728,573 2,689,854
					3.3	93°-	-14.1	-17.4			TP	+1		
TP ₃			000		+4.95			+						
TP ₄			000					+4.9	2600.1		TP	0	0	728,573 2,689,854
383	93		169°56' (42°33')		9.6	91°-	-1.6	-11.2		2588.9		+69	+63	728,642 2,689,917
384	424		170°52' (43°29')		9.0	93°-	-22.2	-31.2		2568.9		+307	+291	728,880 2,690,145
TP	456		170°19'25" (42°56'49")		9.5	93°-	-23.9	-33.4		2566.7	TP	+333	+310	728,907 2,690,164
					1.5	94°-	-31.8	-33.3			TP	+1		
TP			000											
TP ₁			000		+4.9			+4.9	2541.6		TP	0	0	728,907 2,690,164
TP ₂	264		156°17'06" (19°13'55")		8.6	92°-	-9.2	-17.8		2553.8	TP	+249	+87	729,157 2,690,251
					4.0	93°-	-13.8	-17.8			TP	+1		
TP ₁			000											
TP ₂			000		+5.0			+5.0	2558.8		TP	0	0	729,157 2,690,251
385	29		209°53' (49°07')		8.9	90°-		-8.9		2549.9		+19	+22	729,176 2,690,273
386	354		214°02'01" (53°15'56")		10.8	93°-	-18.5	-29.3		2529.5	TP	+211	+283	729,369 2,690,534
TP ₃					4.6	94°	-24.7	-29.3			TP	+1		
TP ₃			000											
TP ₃			000		+4.95			+4.9	2534.4		TP	0	0	729,369 2,690,534

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
8-28-84		R. Trowbridge		B. Cotcamp		6834		B. PLW		3		51			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazzar Mtn		Wash.		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₄	283		143°16'32"		7.5	93° -	-14.8	-22.3	2534.4		TP	+271	+80	729,641	2,690,614
"			(16°32'28")		5.1	93°30'	-17.3	-22.4		2512.0	TP	+1			
TP ₃			000												
TP ₄			000	+5.2				+5.2	2517.2		K	0	0	729,641	2,690,614
387	43		210°53' (47°25')		7.9	90 -		-7.9		2509.3		+29	+32	729,670	2,690,646
TP ₅	282		185°32'42"		8.9	92° -	-9.8	-18.7			TP	+261	+106	729,903	2,690,720
TP ₅			(22°05'10")		4.0	93° -	-14.8	-18.8		2498.4	TP	+1			
TP ₄			000												
TP ₅			000	+5.15				+5.1	2503.5		K	0	0	729,903	2,690,720
388	88		208°40' (50°45')		11.7	92° -	-3.1	-14.8		2488.7		+56	+68	729,959	2,690,788
TP ₆	336	335.2	207°39'06"		4.2	94° -	-23.4	-27.6		2475.9	TP	+217	+256	730,121	2,690,976
"			(49°44'16")		7.1	93°30'	-20.5	-27.6			TP	+1			
TP ₅			000												
TP ₆			000	+5.1				+5.1	2481.0		K	0	0	730,121	2,690,976
389	85		199°27' (69°11')		8.0	90 -		-8.0		2473.0		+30	+79	730,151	2,691,055
TP ₇	365		196°07'54"		12.0	93° -	-19.1	-31.1			TP	+149	+333	730,271	2,691,309
"			(65°52'10")		5.7	94° -	-25.5	-31.2		2449.8	TP	+1			
TP ₆			000												
TP ₇			000	+5.1				+5.1	2454.9		K	0	0	730,271	2,691,309

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-28-84		R. Trowbridge		B. Cotcamp		6834		B.C.W		3		73			
AREA		TOPOG MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazer Mtn 7.5		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									2411.8						
TP ₁₂	234		232° 18' 48" (147° 19' 28")		7.1	100° -	-40.6	-47.7	2364.0	TP	TP	-194	+124	730,262	2,692,040
					11.3	261° -	-36.6	-47.9				-47.8	+1		
TP ₁₁			000						2368.9	TP	TP	0	0	730,262	2,692,040
TP ₁₂			000	+	4.95			+4.9				0	0	730,262	2,692,040
Δ 393	113		240° 50' 30" (208° 09' 58")		4.8	87° -	+5.9	+1.1	2370.0	S.L.	S.L.	-99	-53	730,163	2,691,987
394	208		64° 09' (31° 26')		10.1	92° -	-7.3	-17.4	2351.5			+177	+108	730,439	2,692,148
TP ₁₃	299		64° 14' 16" (31° 33' 44")		12.6	92° -	-10.4	-23.0	2345.9	TP	TP	+255	+156	730,518	2,692,196
"					2.1	94° -	-20.9	-23.0				+1			
TP ₁₂			000						2350.9	TP	TP	0	0	730,518	2,692,196
TP ₁₃			000	+	5.0			+5.0				0	0	730,518	2,692,196
TP ₁₄	177		214° 21' 16" (65° 55' 00")		8.7	91° -	-3.1	-11.8	2339.1	TP	TP	+72	+162	730,591	2,692,358
"					1.0	93° 30' -	-10.8	-11.8				+1			
TP ₁₃			000						2344.0	TP	TP	0	0	730,591	2,692,358
TP ₁₄			000	+	4.9			+4.9				0	0	730,591	2,692,358
395	66		191° 58' (77° 53')		6.0	90° -		-6.0	2338.0			+14	+65	730,605	2,692,423
396	390	389.1	110° 35' 27" (56° 30' 27")		1.2	94° -	-27.2	-28.4	2315.6	TP	TP	+215	+324	730,807	2,692,682
TP ₁₅					8.0	93° -	-20.4	-28.4				+1			
TP ₁₄			000						2320.5	TP	TP	0	0	730,807	2,692,682
TP ₁₅			000	+	4.9			+4.9				0	0	730,807	2,692,682

5-730,170 X-261,940
section line end.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-28-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		3		74			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Waddington		Belshazzar Mtn.		75' Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates (Grids)						2320.5						
TP ₁₄	131		189°53'48" (66°24'15")		12.1	92° -	-4.6	-16.7	}	2303.8	TP	+52	+120	730,860	2,692,802
					2.9	96° -	-13.7	-16.6		TD			+1		
TP ₁₅			000						}	2308.8	TP	0	0	730,860	2,692,802
TP ₁₆			000		+505			+5.0		TP			0	0	730,860
397	194		171°30' (57°05")		10.0	92° -	-6.8	-16.8	}	2292.0		+103	+164	730,963	2,692,966
TP ₁₇	316		171°08'00" (57°32'15")		9.7	92° -	-11.0	-20.7		TP			+170	+266	731,031
					4.2	93° -	-16.5	-20.7	TP			+1			
TP ₁₆			000						}	2293.1	TP	0	0	731,031	2,693,068
TP ₁₇			000		+505			+5.0		TP			0	0	731,031
398	207		204°29' (82°01")		9.1	91° -	-3.6	-12.7	}	2280.4		+29	+205	731,060	2,693,273
TP ₁₈	262		202°16'47" (79°49'02")		9.1	91° -	-4.6	-13.7		TP			+46	+258	731,078
					1.5	92°40'	-12.2	-13.7	TP			+1			
TP ₁₇			000						}	2284.4	TP	0	0	731,078	2,693,326
TP ₁₈			000		+5.0			+5.0		TP			0	0	731,078
399	268		162°18' (62°07")		12.9	90° -		-12.9	}	2271.5		+125	+237	731,203	2,693,563
TP ₁₉	278		161°19'12" (61°08'14")		6.2	91°30'	-7.3	-13.5		TP			+134	+243	731,213
					1.3	92°30'	-12.1	-13.4	TD			+1			
TP ₁₈			000						}	2275.9	TP	0	0	731,213	2,693,569
TP ₁₉			000		+505			+5.0		TP			0	0	731,213

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-28-84		R. Trowbridge		B. Cotcamp		6834		B.C.K.		3		76			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazzar Mtn 7.5'		Wash.		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)						2244.1						
TP ₂₄	368		141°42'27"		5.2	92° -	-12.8	-18.0		2226.1	TP	-118	+348	730,805	2,694,481
			(108°41'07")		11.6	91° -	-6.4	-18.0		TP	+1				
TP ₂₃			000						2231.1		π	0	0	730,805	2,694,481
TP ₂₄			000	+5.05				+5.0							
403	116		139°38' (108°19')		4.8	90°42'	-1.4	-6.2		2224.9		+43	+108	730,848	2,694,589
TP ₂₅	340		137°33'06"		4.3	91°20'	-7.9	-12.2		2218.9	TP	+137	+311	730,943	2,694,792
			(66°14'13")		12.2	90° -	-	-12.2			TP	+1			
TP ₂₄			000						2223.9		π	0	0	730,943	2,694,792
TP ₂₅			000	+5.0				+5.0							
Δ	14		276°49'33" (183°03'46")		5.3	89° -	+0.2	-5.1		2218.8		-14	-1	730,929	2,694,791
404	107		19°25' (81°39')		11.4	89° -	+1.9	-9.5		2214.4		+16	+106	730,959	2,694,898
405	436		81°31' (77°45')		6.5	93° -	-22.8	-29.3		2194.6		+92	+425	731,035	2,695,217
Δ TP ₂₆	621		191°28'41"		1.0	93° -	-32.5	-33.5		2190.4	TP	+131	+606	731,075	2,695,398
			(77°45'54")		11.8	92° -	-21.7	-33.5			TP	+1			
TP ₂₅			000						2195.6		π	0	0	731,075	2,695,398
TP ₂₆			000	+5.25				+5.2							
406	154		210°09' (107°52')		8.2	90° -		-8.2		2187.4		-47	+147	731,028	2,695,545
407	485		209°38' (107°21')		13.3	B.H.	-2.4	-15.7		2179.9		-145	+463	730,930	2,695,861
TP ₂₇	559		208°41'27"		13.1	B.H.	-2.8	-15.9		2179.7	TP	-158	+536	730,918	2,695,934
"			(106°24'21")		6.2	91° -	-9.7	-15.9			TP	+1			

Y = 730,910
X = 2,694,735

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
8-28-84		R. Trowbridge		B. Cotcamp		6834		B.P.L.		3		57			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazar Mtn 7.5		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₂₆			Plates → (Grids)							2179.7					
TP ₂₇			000						2184.6		π	0	0	730,918 2,695,934	
408	250		172°33' (98°57')		9.9	90-		-9.9		2174.7		-39	+247	730,879 2,696,181	
TP ₂₈	483		172°12'16"		11.9	90-		-11.9		2172.7	TP	-72	+478	730,847 2,696,412	
"			(98°36'37")		14.3	T.H.	+2.4	-11.9			TP	+1			
TP ₂₉			000												
TP ₂₈			000						2177.5		π	0	0	730,847 2,696,412	
409	130		232°04' (150°41')		12.4	87°20'	+6.0	-6.4		2171.1		-113	+64	730,734 2,696,476	
410	430		199°40' (118°17')		10.3	90-		-10.3		2167.2		-204	+379	730,643 2,696,791	
411	760		197°50' (116°27')		11.5	B.H.	-3.8	-15.3		2162.2		-339	+680	730,508 2,697,092	
Δ	881		197°49" (116°25'37")		4.8	90°47'	-12.0	-16.8		2160.7		-392	+789	730,455 2,697,201	
TP ₂₉	1060		197°33'55"		14.7	90°20'	-6.1	-20.8		2156.6	TP	-468	+951	730,380 2,697,363	
"			(116°10'32")		11.8	269°30'	-9.2	-21.0	-20.9		TP	+1			
TP ₂₈			000												
TP ₂₉			000						2161.5		π	0	0	730,380 2,697,363	
412	33		211°12' (147°23')		5.5	90-		-5.5		2156.0		-28	+18	730,352 2,697,381	
413	359		189°23' (125°34')		11.7	90-		-11.7		2149.8		-209	+292	730,171 2,697,655	
415	1005		188°42' (124°53')		11.6	90°30'	-8.7	-20.3		2141.2		-575	+824	729,805 2,698,187	
TP ₃₀	1218		185°07'24"		9.4	90°30'	-10.6	-20.0		2141.3	TP	-633	+1041	729,748 2,698,404	
"			(121°17'56")		9.7	269°30'	-10.6	-20.3	-20.2		TP	+1			

3-730,425 x-2,697,205
section line int.

415 SHOT BEFO
#414

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE 8-28-84	INSTRUMENT MAN R. Trowbridge	ROD MAN B. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY B.C.W.	LINE NO. 3	PAGE 78
AREA Washington	TOPO MAP Belshazzar Mtn. 75	STATE Wash	COUNTY Stevens	TWP	RANGE	PPM
				PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)												
TP ₂₉			000							2141.3					
TP ₃₀			000		+4.8			+4.8	2146.1		X	0	0	729,748	2,698,404
414	555		347°48' (289°06')		9.3	89-	+9.7	+0.4		2146.5		+182	-524	729,930	2,697,880
416	108		187°27' (128°45')		10.1	89-	+1.9	-8.2		2137.9		-68	+84	729,680	2,698,488
417	436		178°40' (119°58')		4.8	90°20'	-2.5	-7.3		2138.8		-218	+378	729,530	2,698,782
Δ	465		177°17'35" (118°35'31")		7.3	90-		-7.3		2138.8		-223	+408	729,525	2,698,812
TP ₃₁	634		178°06'16"		1.7	89°40'	+3.7	+2.0		2148.1	TP	-311	+552	729,438	2,698,956
T			(119°24'12")		1.8	270°20'	+3.7	+1.9			TP	+1			
TP ₃₀			000												
TP ₃₁			000		+5.0			+5.0	2153.1		X	0	0	729,438	2,698,956
418	133	132.5	191°09' (130°33')		8.2	85°-	+11.6	+3.4		2156.5		-86	+101	729,352	2,699,057
TP ₃₂	300	299.3	191°46'04"		9.4	86°-	+20.9	+11.5		2164.6	TP	-197	+225	729,242	2,699,182
"			(131°10'16")		4.1	87°-	+15.7	+11.6			TP	+1	+1		
TP ₃₁			000												
TP ₃₂			000		+5.0			+5.0	2169.6		X	0	0	729,242	2,699,182
419	163		188°53' (140°03')		2.5	88°-	+5.7	-1.8		2167.8		-125	+105	729,117	2,699,287
TP ₃₃	374		189°01'58"		4.5	89°30'	+3.3	-1.2		2168.4	TP	-287	+239	728,956	2,699,422
"			(140°12'14")		1.3	90°-		-1.3			TP	+1	+1		
TP ₃₂			000												
TP ₃₃			000		+4.9			+4.9	2173.3		X	0	0	728,956	2,699,422

729,540 - 2,698,730
y-Inter.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY				LINE NO		PAGE	
8-28-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.				3		79	
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazar Mtn		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
420			Plates → (Grids)						2173.3		X				
420			000												
420			000												
420	114		166°46' (126°58')		7.1	90-		-7.1		2166.2		-69	+91	728,887	2,699,513
421	443		166°15' (126°27')		9.7	90-		-9.7		2163.6		-263	+356	728,693	2,699,778
TP ₃₄	671		165°45'59"		11.1	90-		-11.1		2162.2	TP	-394	+543	728,563	2,699,966
			(125°58'13")		7.8	B.H.	-3.4	-11.2			TP	+1	+1		
TP ₃₃			000												
TP ₃₄			000	+5.0				+5.0	2167.2		X	0	0	728,563	2,699,966
422	101		196°11' (142°09')		8.0	90-		-8.0		2159.2		-80	+62	728,483	2,700,028
TP ₃₅	213		186°28'20"		6.7	90-		-6.7		2160.5	TP	-144	+157	728,420	2,700,124
"			(132°26'33")		5.6	B.H.	-1.1	-6.7			TP	+1	+1		
TP ₃₄			000												
TP ₃₅			000	+5.1				+5.1	2165.6		^	0	0	728,420	2,700,124
423	214		175°41' (128°08')		8.4	90-		-8.4		2157.2		-132	+168	728,288	2,700,292
424	542		170°44' (123°11')		4.8	90°52'	-8.2	-13.0		2152.6		-297	+454	728,123	2,700,578
TP ₃₆	626		170°54'01"		7.8	90°30'	-5.5	-13.3		2152.3	TP	-344	+523	728,077	2,700,648
"			(123°20'34")		4.1	90°50'	-9.1	-13.2			TP	+1	+1		
TP ₃₅			000												
TP ₃₆			000	+5.05				+5.05	2157.3		X	0	0	728,077	2,700,648

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-28-84		R. Trowbridge		B. Cotcamp		68341		B. Clark		3		80			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazer Mtn. 25'		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									2157.3						
425	246		187°45' (131°06')		8.9	90		-8.9		2148.4		-162	+185	727,915	2,700,833
426	576		" (131°06')		10.7	90		-10.7		2146.6		-379	+434	727,698	2,701,082
TP ₃₇	697		184°17'32" (127°38'06")		10.7	90		-10.7		2146.6	TP	-426	+552	727,652	2,701,201
					7.2	B.H.	-3.5	-10.7			TP	+1	+1		
TP ₃₆			000												
TP ₃₇			000					+5.0	2151.6		X	0	0	727,652	2,701,201
Δ	144		166°20'33" (113°58'39")		5.1	90-		-5.1		2146.5	Δ	-59	+132	727,593	2,701,333
427	207		167°48' (115°26')		4.7	90-		-4.7		2146.9		-89	+187	727,563	2,701,388
428	535		" (115°26')		10.4	T.H.	+2.7	-7.7		2143.9		-230	+483	727,422	2,701,684
TP ₃₈	675		164°53'44" (112°31'50")		7.5	90-		-7.5		2144.1	TP	-259	+623	727,394	2,701,825
"					4.2	B.H.	-3.4	-7.6			TP	+1	+1		
TP ₃₇			000												
TP ₃₄			000					+4.9	2149.0		X	0	0	727,394	2,701,825
429	206		235°10' (167°04'2")		4.8	92-	-7.2	-12.0		2137.0		-201	+44	727,193	2,701,869
Δ	277		233°19'49" (165°51'39")		12.0	90-		-12.0		2137.0	Δ	-269	+68	727,125	2,701,883
TP ₁	460		233°20'01" (165°51'56")		6.9	90-		-6.9		2142.1	TP	-446	+112	726,949	2,701,938
			(165°39'30")*		4.6	B.H.	-2.3	-6.9			TP	+1	+1		
TP ₃₈			000												
TP ₁			000					+4.9	2147.0		X	0	0	726,949	2,701,938

Y-727,590
X-2,701,385

Y-727,205
X-2,701,895

Correcting to
Sun shot:
165°39'30"
diff=00°12'26"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-27-84		R. Trowbridge		B. Cotcamp		6834		B. M. W.		3		81			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazzar Mtn.		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)						2147.0						
430	73		147°46' (133°26')		5.0	T.H.	+0.4	-4.6		2142.4		-50	+53	726,899	2,701,991
431	400		149°16' (134°56')		10.1	88°-	+14.0	+3.9		2150.9		-282	+283	726,667	2,702,221
TP ₂	730		149°23'54"		10.1	88°-	+25.5	+15.4		2162.4	TP	-516	+515	726,434	2,702,454
432			(135°03'24")		5.8	88°20'	+21.2	+15.4			TP	+1	+1		
TP ₁			000												
TP ₂			000												
										2167.3	π	0	0	726,434	2,702,454
Δ	120		175°05'04" (130°08'28")		5.7	90-		-5.7		2161.6	SL	-77	+92	726,357	2,702,546 # section line
TP ₃	279		167°39'36"		7.0	90-		-7.0		2160.3	TP	-151	+235	726,284	2,702,690
"			(122°43'00")		5.6	B.H.	-1.4	-7.0			TP	+1	+1		
TP ₂			000												
TP ₃			000												
										2165.3	π	0	0	726,284	2,702,690
433	48		164°31' (107°14')		4.6	90-		-4.6		2160.7		-15	+46	726,269	2,702,736
434	378		" " (107°14')		8.4	90-		-8.4		2156.9		-115	+360	726,169	2,703,050
TP ₄	385		163°45'46"		6.1	B.H.	-1.9	-8.0		2157.3	TP	-109	+369	726,176	2,703,060
"			(106°28'46")		8.0	90-		-8.0			TP	+1	+1		
TP ₃			000												
TP ₄			000												
										2162.2	π	0	0	726,176	2,703,060
TP ₅	259		178°16'59"		3.9	90-		-3.9		2158.3	TP	-66	+250	726,111	2,703,311
"			(104°45'45")		5.2	T.H.	+1.3	-3.9			TP	+1	+1		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-29-84		R. Trowbridge		B. Cotcamp		6834		B. Davis		3		82			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazzar Mtn. 7.5'		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₄			Plates-(Grids)												
TP ₅			000							2158.3					
435	56		000	+4.8	M.		+4.8	2163.1			π	0	0	726,111	2,703,311
Int.	232		202°50' (127°36')		6.4	90°-	-6.4			2156.7		-34	+44	726,077	2,703,356
TP ₆	337		204°23'36" (129°09'21")		12.9	92°-	-8.1	-21.0		2142.1	Δ	-146	+180	725,965	2,703,491
"			201°17'48" (126°03'33")		8.8	93°-	-17.6	-26.4		2136.7	TP	-198	+272	725,914	2,703,584
"					2.9	94°-	-23.5	-26.4			TP	+1	+1		
TP ₅			000												
TP ₆			000	+5.0			+5.0	2141.7			π	0	0	725,914	2,703,584
436	43		150°40' (96°44')		6.2	90°-	-6.2			2135.5		-5	+43	725,909	2,703,627
Δ	26		127°42'00" (73°45'33")		6.2	90°-	-6.2			2135.5	Crk	+7	+25	725,921	2,703,609
FP ₃	372		134°40'36"		9.4	90°-	-9.4			2132.3	TP	+60	+367	725,975	2,703,752
"			(86°44'09")		7.5	B.H.	-1.9	-9.4			TP	+1	+1		
TP ₆			000												
TP ₅			000	+5.0			+5.0	2137.3			π	0	0	725,975	2,703,952
437	31		293°37' (194°21')		5.6	88°-	+1.1	-4.5		2132.8		-30	-8	725,945	2,703,944
438	344		235°12' (135°56')		1.3	90°-	-1.3			2136.0		-247	+239	725,728	2,704,191
TP ₈	578		231°42'01"		7.6	89°-	+10.1	+2.5		2139.8	TP	-412	+406	725,564	2,704,359
"			(135°26'10")		0.4	T.H.	+2.9	+2.5			TP	+1	+1		
TP ₅			000												
TP ₈			000	+5.1			+5.1	2144.9			π	0	0	725,564	2,704,359

Y = 725,945
X = 2,703,510

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-29-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B. Clark	LINE NO.	3	PAGE	83
AREA	Washington	TOPO MAP	Belshazzar	STATE	Wash	COUNTY	Stevens	TWP		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
			Plates 2 (Grids)						2144.9							
439	93		159°45' (115°11')		5.7	88-	+3.2	-2.5		2142.4		-40	+84	725,524	2,704,443	
TP ₉	556*		136°55'54"		11.5	90-		-11.5			TP	-23	+556	725,542	2,704,916	
			(92°22'04")		11.6	270-		-11.6		2133.3	TP	+1	+1			
TP ₈			000													
TP ₉			000					+5.2		2138.5	TP	0	0	725,542	2,704,916	
440	154		337°41' (250°03')		9.9	86°	+10.7	+0.8		2139.3		-52	-144	725,490	2,704,772	
441	173		149°51' (122°13')		5.0	T.H.	+0.9	-4.1		2134.4		+81	+153	725,623	2,705,069	
442	501		142°56' (55°18')		8.7	89°	+8.7	±0.0		2138.5		+281	+415	725,823	2,705,331	
TP ₁₀	679		143°20'19"		5.6	89°	+11.9	+6.3		2144.8	TP	+383	+561	725,926	2,705,478	
"			(55°42'23")		1.6	89°20'	+7.9	+6.3			TP	+1	+1			
TP ₉			000													
TP ₁₀			000					+4.9		2149.7	TP	0	0	725,926	2,705,478	
443	163		221°30' (97°12')		8.0	87°	+8.5	+0.5		2150.2		-20	+161	725,906	2,705,639	
Δ	324		220°43'19" (96°25'42")		9.5	88°	+11.3	+1.8		2151.5		-36	+322	725,890	2,705,800	Hz. Corr. Y - +54, X - +17
TP ₁₁	400		219°32'42"		6.5	89°	+7.0	+0.5		2150.2	TP	-37	+398	725,889	2,705,876	Y = 725,890 X = 2,705,800
"			(95°15'05")		10.0	88°30'	+10.5	+0.5			TP					
TP ₁₀			000													
TP ₁₁			000					+4.9		2155.1	TP	0	0	725,889	2,705,876	
444	100		205°54' (121°09')		8.4	90°		-8.4		2146.7		-52	+86	725,837	2,705,962	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
8-29-84		R. Trowbridge		B. Cotcamp		6834		B.C.K.		3		84			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Belshazzar Mtn 75'		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (brides)						2155.1						
445	427		194°33" (109°48')		4.6	90°-		-4.6		2150.5		-145	+402	725,744	2,706,278
Δ	472		193°48'29" (109°03'34')		3.7	90°-		-3.7		2151.4	INT.	-154	+446	725,735	2,706,322
TP ₁₂	509		174°56'32"		6.2	T.H.	+2.5	-3.7		2151.4	TP	-176	+478	725,713	2,706,354
"			(110°11'37")		8.1	89°30'	+4.4	-3.7			TP				
TP			000												
TP ₁₂			000	+5.05				+5.0	2156.4		π	0	0	725,713	2,706,354
446	247		170°51' (122°08')		11.4	91°-	-4.3	-15.7		2140.7		-131	+209	725,582	2,706,563
TP ₁₃	445		190°35'35"		9.7	91°-	-7.8	-17.5		2138.9	TP	-228	+382	725,485	2,706,736
"			(120°47'14")		1.9	92°-	-15.5	-17.4			TP				
TP			000												
TP ₁₂			000	+5.1				+5.1	2144.0		π	0	0	725,485	2,706,736
447	129		170°33' (111°20')		8.1	89°-	+2.3	-5.8		2138.2		-47	+120	725,438	2,706,856
TP ₁₄	214		167°00'42"		11.5	90°-		-11.5			TP	-65	+204	725,420	2,706,940
"			(107°47'56")		10.5	B.H.	-1.1	-11.6		2132.4	TP				
TP			000												
TP ₁₃			000	+5.1				+5.1	2137.5		π	0	0	725,420	2,706,940
448	245		168°13' (96°01')		6.9	90°-		-6.9		2130.6		-26	+244	725,394	2,707,184
TP ₁₅	520		167°53'55"		8.7	90°-		-8.7		2128.8	TP	-52	+517	725,368	2,707,457
"			(95°41'51")		6.1	B.H.	-2.6	-8.7			TP				

~~725,715~~
Y = 725,715
X = 2,706,290

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8-29-84		R. Trowbridge		B. Cotcamp		6834		B.C.K.		3	85				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Washington		Belshazzar Mtn 2.5'		Wash		Stevens					L. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates - (Grids)												
TP ₁₄			000	+5.0						2128.8	π	0	0	725.	
TP ₁₅			000					+5.0	2133.8		π	+0	+0	725.368	2707457
449	50		117°20' (123°02')		5.8	87-	+2.6	-3.2		2130.6		+23	+45	725.391	2707502
Δ	189		131°23'58" (147°05'49")		7.9	87-	+9.9	+2.0		2135.8	SL	+128	+138	725.496	2707595
450	377		131°14' (146°56')		11.0	88°-	+13.2	+2.2		2136.0		+257	+275	725.625	2707732
TP ₁₆	501		131°14'57"		4.6	89°-	+8.7	+4.1		2137.9	TP	+342	+366	725.710	2707823
"			(146°56'48")		13.4	88°-	+17.5	+4.1			TP				
TP ₁₅			000												
TP ₁₆			000	+5.0				+5.0	2142.9		π	0	0	725.710	2707823
451	211		201°47' (168°44')		9.8	91°-	-3.7	-13.5		2129.4		+77	+197	725.787	2708020
TP ₁₇	345		202°52'03"		10.2	91°-	-6.0	-16.2		2126.7	TP	+119	+324	725.829	2708147
"			(69°48'51")		14.5	B.H.	-1.7	-16.2			TP				
TP ₁₆	345		000												
TP ₁₇			000	+4.95				+4.9	2131.6		π	0	0	725.829	2708147
452	200		212°48' (102°57')		13.3	90°-		-13.3		2118.3		-44	+195	725.785	2708342
TP ₁₈	468		211°13'34"		14.1	90°-		-14.1		2117.5	TP	-90	+459	725.739	2708606
"			(101°02'25")		11.8	B.H.	-2.3	-14.1			TP				
TP ₁₇			000												
TP ₁₈			000	+5.0				+5.0	2122.5		π	0	0	725.739	2708606

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-29-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	3	PAGE	86	
AREA	Washington	TOPO. MAP	Belshazer 11/12/5	STATE	Wash	COUNTY	Stevens	TWP		RANGE		PPM	PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
			Plates 7 (Grid)						2122.5										
453	59		155°31' (76°33')		5.1	89° -	+1.0	-4.1		2118.4		+14	+57	725,753	2708,163				
454	388		144°33' (65°35')		9.9	90° -		-9.9		2112.6		+160	+353	725,899	2708,459				
TP ₁₈	570		142°53'15"		4.0	90° -		-4.0		2118.5	TP	+251	+512	725,990	2709,118				
"			(63°55'40")		6.9	T.H.	+2.9	-4.0			TP								
TP ₁₈			000																
TP ₁₉			000		+5.1			+5.1	2123.6		π	0	0	725,990	2709,118				
455	146		201°23' (85°19')		5.2	90° -		-5.2		2118.4		+12	+146	726,002	2709,264				
TP ₂₀	262		187°01'29"		5.6	88°10'	+8.4	+2.8		2126.4	TP	+85	+248	726,075	2709,366				
"			(70°57'09")		11.7	86°50'	+14.5	+2.8			TP								
TP ₁₉			000																
TP ₂₀			000		+5.0			+5.0	2131.4		π	0	0	726,075	2709,366				
TP ₂₁	190		177°51'36"		5.3	B.H.	-1.0	-6.3		2125.1	TP	+69	+177	726,144	2709,543				
"			(68°48'45")		7.2	T.A.	+1.0	-6.2			TP								
TP ₂₀			000																
TP ₂₁			000		+5.1			+5.1	2130.2		π	0	0	726,144	2709,543				
456	18		242°33' (31°22')		6.8	90° -		-6.8		2123.4		-12	+14	726,132	2709,557				
B.M.	106	105.2	160°52'57" (49°41'42")		8.4	97° -	-12.9	-21.3		2108.9	B.M.	+68	+80	726,212	2709,623	El. 2108			
457	337		188°16' (77°05')		11.8	91°40'	-9.8	-21.6		2108.6		+75	+328	726,219	2709,871				
TP ₂₂	507		188°54'24"		5.8	91°40'	-14.7	-20.5		2109.7	TP	+108	+495	726,252	2710,038				
TP ₂₂			(77°43'09")		10.2	91°10'	-10.3	-20.5			TP								

Y=726,200
X=2709,600

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE		
8-29-84		R. Crowbridge		B. Cotcamp		6834		B.C.W		3		87		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Washington		Belshazzar Mtns		Wash		Stevens						L. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
TP ₂₁			Plates → (bricks)							2109.7				
TP ₂₂			000						2114.3		⌘	0	0	726,252 2,710,38
458	167		210°34' (108°17')		4.8	90°50'	-2.4	-7.2		2107.1		-52	+159	726,200 2,710,197
459	496		208°37' (106°20')		9.3	90°50'	-7.2	-16.5		2097.8		-139	+476	726,113 2,710,514
TP ₂₃	947		209°05'42"		11.4	90°50'	-13.8	-25.2		2089.1	TP	-274	+906	725,978 2,710,944
			(106°48'51")		8.7	91° -	-16.5	-25.2			TP			
TP ₂₂			000											
TP ₂₃			000		+4.95			+4.9	2094.0		⌘	0	0	725,978 2,710,944
460	128		343°52' (270°41')		5.7	89° -	+2.2	-3.5		2090.5		+2	-128	725,980 2,710,816
461	195		146°06' (72°55')		9.7	89° -	+3.4	-6.3		2087.7		+57	+186	726,035 2,711,30
TP ₂₄	822		136°37'43"		7.1	89°50'	+2.4	-4.7			TP	+368	+735	726,346 2,711,679
"			(63°26'34")		4.8	90° -		-4.8		2089.2	TP			
TP ₂₃			000											
TP ₂₄			000		+5.05			+5.0	2094.2		⌘	0	0	726,346 2,711,679
462	302		355°40' (239°07')		11.9	90° -		-11.9		2082.3		-155	-259	726,191 2,711,420
463	28		191°55' (75°22')		5.1	90° -		-5.1		2089.1		+7	+27	726,353 2,711,706
464	355		172°48' (56°15')		10.0	90° -		-10.0		2084.2		+197	+295	726,543 2,711,974
TP ₂₅	541		171°48'43"		10.6	91° -	-9.4	-20.0		2074.1	TP	+308	+444	726,654 2,712,123
"			(55°15'17")		6.0	91°30'	-14.2	-20.2	-20.1		TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8-29-84		R. Trowbridge		B. Cotcamp		6834		B.C. W		3	8					
AREA		TOPOG. MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Washington		Bels. Min	Wash	Stevens					L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
TP ₂₄			000							2074.1						
TP ₂₅			000	+505				+5.0	2079.1		π	0	0	726,654	2,712,123	
465	157		217°15' (92°30')		9.1	90 -		-9.1		2070.6		-7	+157	726,647	2,712,280	
TP ₂₆	430		215°02'46"		6.7	90 -		-6.7		2072.4	TP	-2	+430	726,652	2,712,553	
"			(90°18'03")		8.8	T.H.	+2.2	-6.6			TP					
TP ₂₅			000													
TP ₂₆			000	+5.1				+5.1	2077.5		π	0	0	726,652	2,712,553	
466	61		213°29' (123°47')		5.0	90 -		-5.0		2072.5		-34	+51	726,618	2,712,604	
467	388		208°50' (119°08')		7.4	89 -	+6.8	-0.6		2076.9		-189	+339	726,463	2,712,892	
TP ₂₇	456		206°57'00"		9.0	89 -	+8.0	-1.0		2076.5	TP	-209	+405	726,443	2,712,958	
"			(117°15'03")		1.0	90 -		-1.0			TP					
TP ₂₆			000													
TP ₂₇			000	+50				+5.0	2081.5		π	0	0	726,443	2,712,958	
468	261		195°34' (132°49')		13.6	90 -	-4.6	-18.2		2063.3		-177	+191	726,266	2,713,149	
469	580		133°54' (70°09')		4.8	91°51'	-18.7	-23.5		2058.0	crk x=mg	+187	+549	726,630	2,713,507	y = 726,605 x = 2,713,510
TP ₂₈	791		124°51'18"		8.9	91°10'	-16.1	-25.0		2056.5	TP	+369	+699	726,812	2,713,657	
"			(62°09'21")		11.1	91° -	-13.8	-24.9			TP					
TP ₂₇			000													
TP ₂₈			000	+48				+4.8	2061.3		π	0	0	726,812	2,713,657	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
8-30-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		3	89					
AREA		TOPO MAP	STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER							
Washington		Northport 7.5	Wash	Stevens					L. Davis							
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
			Plates (bricks)						2061.3							
470	84		142°33' (24°42')		6.0	89-	+1.5	-4.5		2056.8		+76	+35	726,888	2713692	
471	395		109°33' (351°42')		12.0	88°24'	+11.0	-1.0		2060.3		+391	-57	727,203	2713600	
TP ₁	273		107°43'57" (349°53'18")		4.0	89-	+4.8	+0.8		2062.1	TP	+269	-48	727,081	2713609	
					2.4	89°20'	+3.2	+0.8			TP					
TP ₂₈			000													
TP ₁			000						2066.9		X	0	0	727,081	2713609	
TP ₂	270		110°31'31" (1°24'49")		13.0	90-		-13.0		2053.9	TP	+270	+7	727,351	2713616	
"					11.6	B.H.	-1.4	-13.0			TP					
TP ₁			000													
TP ₂			000						2059.2		X	0	0	727,351	2713616	
472	206		240°05' (61°30')		4.9	93-	-10.8	-15.7		2043.5		+98	+181	727,449	2713797	
TP ₃	252		240°49'00" (62°13'49")		13.4	91-	-4.4	-17.8		2041.4	TP	+117	+223	727,468	2713839	
"					4.6	93-	-13.2	-17.8			TP					
TP ₁			000													
TP ₂			000						2046.4		X	0	0	727,468	2713839	
473	284		190°41' (72°55')		7.0	89-	+5.0	-2.0		2044.4		+83	+271	727,551	2714110	
474	614		190°30'30" (72°44'19")		2.2	90-		-2.2		2044.2	TP	+182	+586	727,650	2714425	
474					5.2	T.H.	+3.1	-2.1			TP					
TP ₃			0 00 00													
474	0								2049.1		X	0	0	727,650	2714425	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-30-84		R. Trawbridge		B. Cotcamp		6834		B.C.W		3		90			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Northfort		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
475	331		145°28' (38°12')		12.1	90-		-12.1	2049.1	2037.0		+260	+205	727.910	2714630
TP ₅	466		144°02'10"		13.3	B.H.	-2.3	-15.6		2033.5	TP	+373	+279	728.023	2714704
"			(36°46'29")		7.5	91-	-8.1	-15.6			TP				
TP ₄			000												
TP ₅			000	+5.15				+5.1	2038.6		π	0	0	728.023	2714704
476	192		146°53' (3°39')		8.1	89-	+3.4	-4.7		2033.9		+192	+12	728.215	2714716
Δ	287		141°35'00" (358 21 29')		11.0	89-	+5.0	-6.0		2032.6	S.L.	+287	-8	728.310	2714696 -728,280 -2714690
TP ₆	540		142°20'58"		6.9	B.H.	-2.7	-9.6		2029.0	TP	+540	-8	728.563	2714696
"			(359°01'27")		12.3	T.H.	+2.7	-9.6			TP				
TP ₅			000												
TP ₆			000	+5.0				+5.0	2034.0		π	0	0	728.563	2714696
477	37		313°32' (132°39')		7.7	83-	+4.5	-3.2		2030.8		-25	+27	728.538	2714723
Δ	284		234°21' (53°28'27")		5.9	T.H.	+1.4	-4.5		2029.5	Δ	+169	+228	728.732	2714924
478	330		236°16'09"		5.1	90-		-5.1		2028.9	TP	+187	+272	728.750	2714968
TP ₅			(55°23'36")		6.8	T.H.	+1.7	-5.1			TP				
TP ₆			000												
TP ₅			000	+5.0				+5.0	2033.9		π	0	0	728.750	2714968
479	325	324.2	181°0' (56°41')		4.8	94-		-22.7		2006.4		+178	+271	728.928	2715237
TP ₈	599		181°26'23"		3.7	93-	-31.3	-35.0		1998.9	TP	+327	+501	729.077	2715469
"			(56°49'59")		8.9	92°30'	-26.1	-35.0			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
8-30-84		R. Trowbridge		B. Cotcamp		68341		B. Clark		3		91			
AREA		T.O. MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Northport		Wash.		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (Grids)												
TP			000							1998.9					
TP ₈			000	+5.0				+5.0	2003.9		π	0	0	729,077	2,715,469
480	65		219°40' (91°30')		7.0	90-		-7.0		1996.9		-7	+65	729,070	2,715,534
481	389		220°55' (91°45')		4.0	90-		-4.0		1999.9		-52	+385	729,025	2,715,854
TP ₉	403		220°19'31"		4.1	90-		-4.1		1999.8	TP	-50	+400	729,027	2,715,869
"			(97°09'30")		2.1	B.H.	-2.0	-4.1			TP				
TP ₈			000												
TP ₉			000	+5.2				+5.2	2005.0		π	0	0	729,027	2,715,869
TP ₁₀	296		143°15'43"		11.3	90-		-11.3		1993.7	TP	+146	+257	729,173	2,716,126
"			(60°25'13")		9.8	B.H.	-1.5	-11.3			TP				
TP ₉			000												
TP ₁₀			000	+5.1				+5.1	1998.8		π	0	0	729,173	2,716,126
482	20		216°04' (91°29')		5.6	90-		-5.6		1993.2		-2	+20	729,171	2,716,146
TP ₁₁	432		217°02'09"		4.1	89°	+7.5	+3.4		2002.2	TP	-56	+428	729,117	2,716,554
"			(97°27'22")		11.7	88°	+15.1	+3.4			TP				
TP ₁₀			000												
TP ₁₁			000	+5.05				+5.0	2007.2		π	0	0	729,117	2,716,554
483	95		342°32' (259°59')		8.7	91°	-1.7	-10.4		1996.8		-17	-94	729,100	2,716,460
484	232		163°35' (81°04')		5.9	90-		-5.9		2001.3		+36	+229	729,153	2,716,783

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE: 8-30-84
 INSTRUMENT MAN: R. Traubridge
 ROB MAN: B. Cotcamp
 PARTY NUMBER: 68341
 NOTES CHECKED BY: B. C. V.
 AREA: Washington
 TOPO MAP: North Port 9.5'
 STATE: Wash
 COUNTY: Stevens
 TWP: [blank]
 RANGE: [blank]
 PPM: [blank]
 PARTY MANAGER: L. Davis
 LINE NO: 3
 PAGE: 92

STATION NO.	SLOPE DISTANCE	PLOTTING 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
			Plates → (brds)						2007.2						
TP ₁₂	372		113°01'30"		58	B.H.	-1.9	-7.7	}	1999.5	TP	+62	+367	729,179	2,716,920
"			(80° 28' 52")		33	90°40'	-4.3	-7.6		TP				-1	
TP ₁₂			000	1					}	2004.5	TP	0	0	729,179	2,716,920
485	202		241°45' (142°14')		10.0	92°-	-7.0	-17.0			1987.5		-160	+124	729,019
TP ₁₃	381.5 RMC		241°39'30"		14.3	92°-	-13.4	-27.7	}	1976.8	TP	-304	+236	728,875	2,717,155
"			(142° 08' 22")		7.6	93°-	-20.1	-27.7		TP				-1	
TP ₁₃			000						}	1981.8	TP	0	0	728,875	2,717,155
486	146		172°15' (134°28')		6.7	95°-	-12.7	-19.4			1962.4		-102	+104	728,773
487	472		167°30' (129°38')		10.1	92°-	-16.5	-26.6		1955.2		-301	+363	728,574	2,717,518
TP ₁₄	500		167°11'02"		9.9	92°-	-17.4	-27.3	}	}	TP	-317	+387	728,559	2,717,541
"			(129° 19' 24")		14.3	91°30'	-13.1	-27.4			TP			+1	-1
TP ₁₄			000						}	}	TP	0	0	728,559	2,717,541
488	302		149°50' (99°09')		8.0	89°-	+5.3	-2.7				1956.7		-48	+298
TP ₁₅	465		140°16'42"		3.8	89°-	+8.1	+4.3	}	}	TP	+3	+465	728,563	2,718,005
"			(89° 36' 06")		11.1	88°06"	+15.4	+4.3			TP			+1	-1
TP ₁₅			000						}	}	TP	0	0	728,563	2,718,005
TP ₁₅			000	+5.1				+5.1				1968.8	TP	0	0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8-30-84	INSTRUMENT MAN R. Trowbridge	ROD MAN B. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY B.C.W	LINE NO. 3	PAGE 93
AREA Washington	TOPO MAP North Part 25'	STATE Wash	COUNTY Stevens	TWP	RANGE	PPM
				PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									1968.8					
489	158		166°38' (76°14')		5.1	90° -		-5.1		1963.7		+356	+153	728,601 2,718,158
490	486		163°19' (72°55')		5.5	89° -	+8.5	+3.0		1971.8		+143	+464	728,706 2,718,469 EOL line #3
Sec. line	422		162°21'06" (71°57'12")		5.2	89° -	+7.4	+2.2		1971.0		+131 -4	+401 -1	728,690 2,718,405 Y-728,690 X-2,718,405 Traverse Back
TP	465		-		6.2	91° -	-8.1	-14.3		1954.5	TP			to B.M ↓ Hz. Corr. Y: +3 X: -5
					2.1	91°30'	-12.2	-14.3			TP			
B.S	500		-		+10.0	92° -	+17.4	+27.4	1981.9		BS			
					+14.3	91°30'	+13.1	+27.4			BS			
TP	385		-		5.8	86°30'	+23.5	+17.7		1999.6	TP			
					9.1	86° -	+26.9	+17.8			TP			
BS	372		-		+5.7	B.H.	+1.9	+7.6			BS			
					+4.3	90°30'	+3.2	+7.5	2007.1		BS			
TP	455				12.1	90° -		-12.1			TP			
					9.9	B.H.	-2.3	-12.2		1994.9	TP			
B.S	267		-		+10.2	90° -		+10.2			BS			
					+8.8	B.H.	+1.3	+10.1	2005.0		BS			
TP					5.4	90° -		-5.4		1999.6	TP			
BS	581				+2.4	93°10'	+32.1	+34.5			BS			
BS					+7.4	92°40'	+27.0	+34.4	2034.0					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8-30-84	INSTRUMENT MAN R. Trowbridge	ROD MAN B. Cotcamp	PARTY NUMBER 6834	NOTES CHECKED BY	LINE NO. W3 B.C.	PAGE 94
AREA Washington	TOPO MAP North Part 25	STATE Wash	COUNTY Stevens	TWP	RANGE	PPM
				PARTY MANAGER L. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									2034.0								Traverse to B.M.
TP	329				5.2	90		-5.2		2028.8	TP						
"					6.8	T.H.	+1.6	-5.2			TP						
BS	555				+10.8	90 -		+10.8	2039.6		BS						
BS					+8.1	B.H.	+2.8	+10.9			BS						
TP	469				4.0	89° -	+8.2	+4.2		2043.8	TP						
TP					12.2	88° -	+16.4	+4.2			TP						
BS	748				+10.7	90 -		+10.7			BS						
"					+6.9	B.H.	+3.7	+10.6	2054.4		BS						
TP	220				8.6	86° -	+15.3	+6.7		2061.1	TP						
"					12.45	85° -	+19.2	+6.8			TP						
BS					+5.5	90 -		+5.5	2066.6		BS						
TP	894				11.1	88°40'	+20.8	+9.7		2076.3	TP						
"					8.5	88°50'	+18.2	+9.7			TP						
BS	544				+9.6	89° -	-9.5	+0.1	2076.4		BS						
"					+4.8	89°30'	-4.7	+0.1			BS						
TP	376				1.6	T.H.	+1.9	+0.3		2076.7	TP						
"					6.3	89 -	+6.6	+0.3			TP						
BS	596				12.4	B.H.	+3.0	+15.4	2092.1		BS						
BS					+11.9	90°20'	+3.5	+15.4			BS						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

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DATE	8-30-84	INSTRUMENT MAN	R. Iron	ROD MAN	B. Cotcamp	PARTY NUMBER	6834	NOTES CHECKED BY	B.C. W	LINE NO.	3	PAGE	95
AREA	Washington	TOPO MAP	North Part 2.5	STATE	Wash	COUNTY	Stevens	RANGE		PPM		PARTY MANAGER	L. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									2092.1								Traverse to BM
TP	746		—		2.8	90-		-2.8		2089.3	TP						
"					7.1	89°40'	+4.3	-2.8			TP						
BS	946				+8.7	91-	+16.5	+25.2	2114.5		BS						
"					+14.2	90°40'	+11.0	+25.2			BS						
TP	333				3.3	90-		-3.3		2111.2							
					1.6	B.H.	-1.7	-3.3									
					+5.6	90-		+5.6	2116.8		BS						
B.M.					7.5	90-		-7.5		2109.3	TP						U.S. GS Bm EL. 2108.6 999.9 STATION