

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO		PAGE		
9-21-84		R. Trowbridge		B. Cotcamp		6834					5		1		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH.		Blair's Lake 7 1/2'		WASH.		Pawnee								L.O.O	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
K -	T-intersect		Same as station #1							4570.0	K			STA. # 1 EL. 4570.0	
STA. #1	142		3° 44' 29" (207° 50' 14")	+	0.8	88°	-5.0	-4.2	4565.8		BS	-125	-66	530,880 2,898,100 # Y-530,880 x-2,898,100 EL. 4570.0	
1	0				5.0	-		-5.0		4560.8	T	0	0	530,755 2,898,034	
2	196		245° 31' (269° 37')		9.0	91° 30'	-5.1	-14.1		4551.7		-1	-196	530,754 2,897,835	
TP ₂	218		244° 33' 30"		9.7	90° 30'	-7.1	-16.8		4549.0	TP	-6	-273	530,749 2,897,761	
2	273		(268° 38' 15")		12.1	91°	-4.8	-16.9			TP				
TP ₁	-		0° 00' 00"												
TP ₂	-				+ 5.0	-		+ 5.0		4554.0	T	0	0	530,749 2,897,761	
3	214		143° 32' (232° 10')		7.9	93°	-12.2	-20.1		4533.9		-143	-185	530,606 2,897,576	
TP ₃	218		157° 49' 42"		2.7	93°	-19.8	-22.5		4531.5	TP	-151	-346	530,598 2,897,415	
3	378		(246° 27' 57")		4.9	92° 40'	-17.6	-22.5			TP				
TP ₂	-		0° 00' 00"												
TP ₃	-				+ 5.0	-		+ 5.0		4526.5	T	0	0	530,598 2,897,415	
A	59		(231° 31' 36) 300° 59' 33"		12.4	-		-12.4		4524.1	TP	+30	-51	530,628 2,897,364 # Y-530,620 x-2,897,375	
4	176		234° 30' (300° 58')		9.9	93° 30'	-10.7	-20.6		4515.9		+90	-151	530,688 2,897,264	
TP ₄	296		232° 07' 43"		6.2	93° 40'	-18.9	-25.1		4511.4	TP	+141	-259	530,739 2,897,156	
4	-		(298° 35' 40")		5.4	93° 30'	-19.8	-25.2			TP				
TP ₄	-		0° 00' 00"												
4	-				+ 4.9	-		+ 4.9		4516.3	T	0	0	530,739 2,897,156	
4	-		162° 45' (281° 21')		9.2	92°	-7.2	-16.4		4499.9		+40	-201	530,779 2,896,955	

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
9-22-84		R. Troubridge		B. Cotcamp		6834		B. Clark		4		2						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
Washington				WASH.		Pend Oreille								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 ₅	278		165°11'06"		9.6	92°-	-9.7	-19.3	4516.3	4497.0	TP	+66	-270	530.805	2896886			
	278		(283°46'46")		14.5	91°-	-4.9	-19.4			TP							
TP ₄			000															
TP ₅	153		000		+5.2			+5.2	4502.2		TP	0	0	530.805	2896886			
TP ₆	153		193°17'06"		10.9	90°-		-10.9		4491.3	TP	+70	-136	530.875	2896750			
"	153		(297°03'52")		8.2	91°-	-2.7	-10.9			TP							
TP ₅			000															
TP ₆			000		+5.1			+5.1	4496.4		TP	0	0	530.875	2896750			
6	89		156°53'-(273°57")		10.2	90°-		-10.2		4486.2		+6	-89	530.881	2896666			
TP ₇	313		148°07'52"		11.7	92°-	-10.9	-22.6		4473.8	TP	-26	-312	530.849	2896438			
"	313		(265°11'44")		6.2	93°-	-16.4	-22.6			TP							
TP ₆			000															
TP ₇			000		+5.0			+5.0	4478.8		TP	0	0	530.849	2896438			
7	105		201°35' (286°47')		10.0	90°-		-10.0		4468.8		+30	-101	530.879	2896337			
8	431		197°57' (283°09')		5.8	93°-	-22.6	-28.4		4450.4		+98	-419	530.947	2896019			
TP ₈	479		200°54'24"		5.7	93°-	-25.1	-30.8			TP	+133	-460	530.982	2895978			
"	479		(286°06'08")		7.0	92°50'	-23.7	-30.7		4448.1	TP							
TP ₇			000															
TP ₈			000		+5.05			+5.1	4453.2		TP	0	0	530.782	2895978			
9	279		223°19' (329°25')		4.8	92°30'	-11.9	-16.7		4436.5		+240	-142	531.222	2895836			

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-		R. Crowbridge		B. Cotcamp		6834		B. Clark		5		3			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
Washington				Wash.								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
									4453.2						
TP ₉	474		233°11'59"		5.0	92°36'56"	-21.6	-26.6	4426.6	TP	π	+443	-167	531,425	2895811
TP ₉	474		(339°18'07")		5.0	92°33'34"	-21.6	-26.6							
TP ₉	-		000						4431.7	π	0	0	531,425	2895811	
TP ₉	-		000		+5.05		+5.1								
10	94		147°04' (306°22')		10.3	90-	-10.3	-10.3	4421.4			+56	-76	531,481	2895735
TP ₁₀	247		143°46'29"		14.3	91-	-4.3	-18.6	4413.1	TP	π	+135	-207	531,560	2895604
"	"		(303°04'36")		5.8	93°-	-12.9	-18.7							
TP ₉	-		000						4418.3	π	0	0	531,560	2895604	
TP ₁₀	-		000		+5.15		+5.2								
11	166		209°33' (332°38')		8.6	90-	-8.6	-8.6	4409.7			+147	-76	531,707	2895528
TP ₁₁	184		204°52'24"		8.7	90-	-8.7	-8.7	4409.6	TP	π	+156	-98	531,716	2895506
"	"		(327°57'00")		7.8	B.H.	-0.9	-8.7							
TP ₁₀	-		000						4414.7	π	0	0	531,716	2895506	
TP ₁₁	-		000		+5.1		+5.1								
12	299		111°54' (259°51')		9.8	92°-	-10.4	-20.2	4394.5			-53	-294	531,663	2895212
TP ₁₂	3184 ^{RT}		111°24'50"		10.2	92°-	-11.0	-21.2	4393.6	TP	π	-58	-308	531,658	2895198
"	"		(259°21'50")		4.7	93°-	-16.4	-21.1							
TP ₁₁	-		000						4398.8	π	0	0	531,658	2895198	
TP ₁₂	-		000		+5.15		+5.2								
Int.	37		165°18'30" (244°10'20")		7.9	90-	-7.9	-7.9	4370.9			-16	-33	531,642	2895165

Y-531,610 X-2,895,185
T-Intersect

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-21-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		5		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Browns Lake 7.5		Wash.		Pend Oreille								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 K TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									4398.8						
13	234		253°48' (333°16')		4.8	94°05'	-16.7	-21.5		4377.3		+208	-105	531.866	2895093
TP ₁₃	445	444.2	264°50'24"		3.1	93°30'	-27.2	-30.3		4368.5	TP	+427	-121	532.085	2895077
	"		(344'12'14")		4.4	93°20'	-25.9	-30.3			TP				
TP			000												
TP ₁₃			000		+5.1			+5.1	4373.6		K	0	0	532.085	2895077
14	80		136°31' (300°43')		9.9	90-		-9.9		4363.7		+41	-69	532.126	2895008
TP ₁₄	218		128°23'41"		14.5	90-		-14.5		4359.1	TP	+84	-201	532.169	2894876
"	"		(292°35'55")		13.4	B.H.	-1.1	-14.5			TP				
TP			000												
TP ₁₃			000		+5.2			+5.2	4364.3		K	0	0	532.169	2894876
15	186		131°46' (249°22')		13.3	90-		-13.3		4351.0		-66	-174	532.103	2894702
TP ₁₅	458		150°56'49"		6.8	92°-	-16.0	-22.8		4341.5	TP	-51	-455	532.118	2894421
"	"		(263°32'44")		14.8	91°-	-8.0	-22.8			TP				
TP ₁₄			000												
TP ₁₃			000		+5.2			+5.2	4346.7		K	0	0	532.118	2894421
16	40		150°00' (233°33')		6.1	90-		-6.1		4340.6		-24	-32	532.094	2894389
TP ₁₆	651		162°34'54"		6.9	91-	-11.4	-18.3			TP	-263	-595	531.855	2893826
"	"		(246°07'38")		5.0	91°10'	-13.2	-18.2		4328.5	TP				
TP ₁₅			000												
TP ₁₆			000		+5.15			+5.2	4333.7		K	0	0	531.855	2893826

DATE		INSTRUMENT/MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-21-84		R. Trowbridge		B. Cottramp		6834		BCW		85		5			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
Washington				Wash								L. Devine			
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									4333.7						
17	329		19°52' (86°00')		6.8	T.H.	+1.6	-5.2		4328.5		+23	+328	531.878	2894154
-H-	259		198°58'36" (86°00'14")		5.2	T.H.	+1.3	-3.9		4329.8	Sec line	+18	+258	531.873	2894104
18					5.1	-		-5.1		4328.6	π	0	0	531.855	2893826
19	331		234°40' (300°48')		10.0	91-	-5.8	-15.8		4317.9		+169	-284	532.024	2893542
TP ₁₇	580		233°58'04"		5.2	92°-	-20.2	-25.4		4308.3	TP	+291	-502	532.146	2893324
"	"		(200°05'42")		6.9	91°50'	-18.5	-25.4			TP				
TP ₁₆			000												
TP ₁₇			000	+5.0				+5.0	4313.3		π	0	0	532.146	2893324
20	79		171°32' (291°38')		8.7	90-		-8.7		4304.6		+29	-73	532.175	2893251
TP ₁₈	218		171°57'53"		11.4	92°-	-7.6	-19.0		4294.3	TP	+82	-202	532.228	2893122
"			(292°03'35")		3.8	94°-	-15.2	-19.0			TP				
TP ₁₉			000												
TP ₁₈			000	+5.2				+5.2	4299.5		π	0	0	532.228	2893122
21	191		184°34' (298°38')		10.2	93-	-10.0	-20.2		4279.3		+86	-171	532.314	2892951
22	819	517.6	187°02' (299°06')		7.5	94°10'	-37.7	-45.2		4254.3		+252	-452	532.480	2892670
TP ₁₉	550	548.6	186°23'17"		7.0	94°10'	-40.0	-47.6			TP	+261	-482	532.489	2892640
"	"		(298°26'52")		2.2	94°40'	-44.7	-46.9		4252.6	TP				
TP ₁₈			000												
TP ₁₉			000	+5.1				+5.1	4257.7		π	0	0	532.489	2892640

531.850 x = 2,894,100
Sec line inter.

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-21-84		R. Trowbridge		B. Cotcamp		6834		P.C.W.		5		6			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
Washington				Wash								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 ₂₀	224		142°34'59"		13.2	92° -	-7.8	-21.0	4257.7						
"	"		(261°01'51")		5.3	94° -	-15.6	-20.9		4236.8	TP	-35	-221	532,451	2892419
TP ₁₉			000												
TP ₂₀			000		+5.15			+5.2	4242.0		X	0	0	532,454	2892419
23	69		157°13' (238°15')		10.0	90 -		-10.0		4232.0		-36	-59	532,418	2892360
24	395		146°34' (227°36')		12.7	93°20'	-23.0	-35.7		4206.3		-266	-291	532,188	2891228
TP ₂₁	722	720.2	146°27'48"		8.4	94° -	-50.4	-58.8		4183.2	TP	-487	-531	531,967	2891888
25	"		(227°29'39")		14.7	93°30'	-44.1	-58.8			TP				
TP ₂₀	-		000												
25	-		000		+5.15			+5.2	4188.4		X	0	0	531,967	2891888
26	327	326.1	171°18' (218°48')		4.8	94°14'	-24.1	-28.9		4159.5		-254	-204	531,713	2891684
27	654	652.4	172°15' (219°45')		7.7	94° -	-45.6	-53.3		4135.1		-502	-417	531,465	2891471
28	983	980.6	171°36'30"		8.8	94° -	-68.6	-77.4			TP	-761	-618	531,206	2891270
TP ₂₁	"		(219°06'09")		8.7	266° -	-68.6	-77.3		4111.1	TP				
TP ₂₀			000												
TP ₂₁			000		+5.2			+5.2	4116.3		X	0	0	531,206	2891270
TP ₂₂	263	261.6	206°00'20"		2.3	96° -	-27.5	-29.8		4086.5	TP	-110	-237	531,096	2891033
"			(245°06'29")		3.5	95°45'	-26.3	-29.8			TP				
TP ₂₁			000												
TP ₂₂			000		+5.1			+5.1	4096.6		X	0	0	531,096	2891033

Geosource Inc.

DATE		INSTRUMENT MAN		ROB MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
9-21-84		R. Towbridge		B. Cotcamp		6834		B.C.W		5		7			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
Washington				Wash								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
									4091.6						
29	46		141°49' (200°55')		8.4	90° -		-8.4		4083.2		-41	-21	531.055	2891012
TP ₂₃	157		145°00'52"		12.8	93° -	-8.2	-21.0		4070.6	TD	-135	-79	530.961	2890954
	"		(210°07'21")		4.6	96° -	-16.4	-21.0			TP				
TP ₂₂	-		000												
TP ₂₃	-		000	+5.1	"			+5.1	4075.7		π	0	0	530.961	2890954
30	199	198.1	161°23' (191°30')		4.8	95°17'	-18.3	-23.1		4052.6		-194	-40	530.767	2890914
TP ₂₄	309	308.3	162°19'41"		9.9	94° -	-21.6	-31.5			TP	-301	-66	530.660	2890888
"			(192°27'02")		4.5	95°	-26.9	-31.4		4044.3	TP				
TP ₂₃			000												
TP ₂₄			000	+5.0				+5.0	4049.3		π	0	0	530.660	2890888
31	228		222°16' (234°43')		12.0	94° -	-15.9	-27.9		4021.4		-131	-186	530.529	2890702
TP ₂₅	348	347.2	222°09'12"		10.4	94° -	-24.3	-34.7		4014.6	TP	-201	-283	530.459	2890605
"	-		(234°36'14")		4.4	95° -	-30.3	-34.7			TP				
TP ₂₄	-		000												
TP ₂₅	-		000	+5.1				+5.1	4019.7		π	0	0	530.459	2890605
TP ₂₆	310		287°40'54"		10.2	93°40'	-19.8	-30.0		3989.7	TP	+295	-94	530.754	2890511
"	"		(342°17'08")		13.8	93° -	-16.2	-30.0			TP				
TP ₂₅	-		000												
TP ₂₆	-		000	+4.85				+4.9	3994.6		π	0	0	530.754	2890511
32	58		335°44' (138°01')		6.4	83° -	+7.1	+0.7		3995.3		-43	+39	530.711	2890550

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-21-84		R. Rowbridge		B. Cotcamp		6834		B.C.W.		5		9			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
Washington				Wash								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 ₃₀	389	387.0	143°54'05"		4.9	95°46'	-39.1	-44.0	3926.6		TP	+354	-157	531.684	2889,937
"	"		(336°02'28")		4.8	26°14'	-39.1	-43.9		3882.7	TP				
TP ₃₀	-		000												
TP ₃₀	-		000												
TP ₃₀	-		000		+5.1			+5.1	3887.8		π	0	0	531.684	2889,937
38	187	186	320°41'(116°43')		8.6	84°-	+19.5	+10.9		3898.7		-84	+166	531.600	2889,103
37	128		130°41'(286°43')		11.3	92°-	-4.5	-15.8		3872.0		+37	-123	531.721	2889,814
TP ₃₁	263		130°58°00"		10.6	93°-	-13.8	-24.4			TP	+77	-251	531.761	2889,686
"	"		(287°00'28")		6.0	94°-	-18.3	-24.3		3863.5	TP				
TP ₃₀	-		000												
TP ₃₁	-		000		+5.0			+5.0	3868.5		π	0	0	531.761	2889,686
TP ₃₂	320	317.6	173°57'42"		6.2	97°-	-39.0	-45.2		3823.3	TP	+60	-312	531.821	2889,374
"	"		(280°58'10")		6.2	26°-	-39.0	-45.2			TP				
TP ₃₁	-		000												
TP ₃₂	-		000		+5.0			+5.0	3828.3		π	0	0	531.821	2889,374
38	222		324°03'(65°01')		4.8	85°10'	+18.7	+13.9		3842.2		+94	+201	531.915	2889,575
39	96		108°10'(209°08')		12.8	90°-		-12.8		3815.5		-84	-47	531.737	2889,327
TP ₃₃	267		93°51'41"		9.7	93°-	-14.0	-23.7		3804.6	TP	-258	-68	531.563	2889,306
"	"		(194°49'51")		5.1	94°-	-18.6	-23.7			TP				
TP ₃₂			000												
TP ₃₃			000		+5.0			+5.0	3809.6		π	0	0	531.563	2889,306

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
9-22-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		5		11						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
Washington				Wash.		Pend Oreille								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 ₃₈	158		238°54'24"		13.3	91°-	-2.8	-16.1	3728.7	3712.6	TP	+46	-151	530.977	2888469			
"	"		(286°57'50")		2.3	95°-	-13.8	-16.1			TP	-2						
TP ₃₇	-		000															
TP ₃₈	-		000															
44	197		247°31'(354°28')		8.1	94°-	-13.7	-21.8	3717.5	3695.7	TP	+196	-19	531.173	2888450			
TP ₃₉	432	430.4	247°48'04"		3.9	95°-	-37.6	-41.5		3676.0	TP	+429	-39	531.404	2888430			
"	"		(354°45'54")		2.7	95°10'	-38.9	-41.6			TP	-2						
TP ₃₈	-		000															
TP ₃₉	-		000															
45	84		112°14'27"		10.1	92°-	-2.9	-13.0	3681.1	3668.1	TP	+25	-80	531.427	2888351	Across Sta		
TP ₄₀	-		(287°00'21")		4.3	96°-	-8.8	-13.1			TP	-2	+1					
TP ₃₉	-		000															
45	-		000															
46	316	315.2	147°13'24"		5.9	94°-	-22.0	-27.9	3673.5	3645.6	TP	-86	-303	531.427	2888351			
TP ₄₁	"		(254°13'45")		11.4	93°-	-16.5	-27.9			TP	-2	+1	531.339	2888049			
TP ₄₀	-		000															
46	-		000															
46	-		000															
46	18		279°32'03"(354°05'48")		6.2	87°-	+0.9	-5.3	3650.7	3645.4	TP	+18	-2	531.339	2888049			
TP ₄₂	600	598.5	226°00'42"		8.3	94°-	-41.8	-50.1		3600.6	TP	+301	-517	531.357	2888049	y=531.360 x=2888.030		
"	"		(300°14'27")		13.5	93°30'	-36.6	-50.1			TP	-2	+1	531.638	2888533	y-intersect		

DATE 9.22.84 INSTRUMENT MA R. Trowbridge ROD MAN B. Cotcamp PARTY NUMBER 6834 NOTES CHECKED BY LINE NO. 5 PAGE 12
 AREA WASH. TOPO MAP STATE WASH. COUNTY Peno Oreille TWP RANGE PPM PARTY MANAGER L.O.D.

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH+ SOUTH - LAT.	EAST+ WEST - DEP.	COORDINATES		REMARKS
														Y	X	
TP41	-		0°00'00"							3600.6						
TP42	-				+5.2	-		+5.2	3605.8		TP	0	0	531,638	2,887,533	
47	280		347°33' (107°41')		6.3	86°-	+19.5	+13.2		3619.0		-85	+266	531,553	2,887,799	
48	59		210°27' (330°41')		9.6	-		-9.6		3596.2		+51	-29	531,689	2,887,504	
IF	277	276.3	219°00'06" (339°14'33")		4.8	94°08'	-20.0	-24.8		3581.0	IF	+258	-98	531,896	2,887,435	IF-531,825 x-2,887,440
49	378		215°05' (335°19')		4.8	93°04'	-20.2	-25.0		3580.8		+343	-158	531,981	2,887,375	
TP43	641		184°32'10"		5.5	92°20'	-26.1	-31.6		3574.2	TP	+365	-526	532,001	2,887,008	
--	--		(304°46'37")		5.5	267°40'	-26.1	-31.6			TP	-2	+1			
TP42	-		0°00'00"													
TP43	-				+5.2	-		+5.2	3579.4		TP	0	0	532,001	2,887,008	
49	221		305°55'12" (70°41'49")		15.0	85°38'	+16.8	+1.8		3581.2	TP	+73	+208	532,074	2,887,216	IF-532,075 x-2,887,203
50	94		(289°24' (54°11'))		7.2	86°-	+6.6	-0.6		3578.8		+55	+76	532,056	2,887,084	IF EL. 3582.0
51	235		99°50' (224°37')		10.8	91°-	-4.1	-14.9		3564.5		-167	-165	531,834	2,886,843	
IF	395		95°57'36" (220°44'13")		6.9	91°-	-6.9	-13.8		3565.6		-299	-258	531,702	2,886,750	IF-531,700 x-2,886,740
52	565		95°55' (220°42')		13.0	-		-13.0		3566.4		-429	-368	531,572	2,886,640	
53	895		93°53' (218°40')		11.3	-		-11.3		3568.1		-699	-559	531,302	2,886,449	
54	1225		93°37' (218°24')		10.9	-		-10.9		3568.5		-960	-761	531,041	2,886,247	
TP44	1435		95°48'29"		10.5	-		-10.5		3569.0	TP	-1090	-934	930,909	2,886,075	
--	1435		(220°35'06")		6.2	90°10'	-4.1	-10.3	10.4		TP	-2	+1			

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.22.84		A. Trowbridge		B. Cotcamp		6834		B.C.W.		5		14			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH.ington				WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3544.4						
60	261	260.4	191°16' (336°01')		9.2	94° -	-18.2	-27.4		3517.0		+238	-106	531,121	2885055
TP ₄₈	420	419.0	188°05'26"		12.4	94° -	-29.3	-41.7			TP	+273	-191	531,254	2884971
"	"	"	(332°49'56")		5.0	95° -	-36.6	-41.6		3502.8	TP	-2	+1		
TP ₄₉	—	—	000												
TP ₄₈	—	—	000		+5.15			+5.2	3508.0		TP	0	0	531,254	2884971
61	165		154°39' (307°25')		11.4	92° -	-5.8	-17.2		3490.8		+100	-131	531,354	2884840
TP ₄₉	211		149°21'13"		12.0	92° -	-7.4	-19.4		3488.6	TP	+112	-178	531,364	2884994
"	"		(302°11'08")		1.0	95° -	-18.4	-19.4			TP	-2	+1		
TP ₄₈	—	—	000												
TP ₄₉	—	—	000		+5.2			+5.2	3493.8		TP	0	0	531,364	2884994
62	281	280.3	156°41' (278°52')		7.9	94° -	-19.6	-27.5		3466.3		+43	-277	531,407	2884517
TP ₅₀	479	477.8	154°16'20"		7.4	94° -	-33.4	-40.8		3453.0	TP	+54	-475	531,416	2884320
"	"		(276°27'28")		0.4	94°50'	-40.4	-40.8			TP	-2	+1		
TP ₄₈	—	—	000												
TP ₅₀	—	—	000		+5.1			+5.1	3458.1		TP	0	0	531,416	2884320
63	132		162°11' (258°38')		10.0	92° -	-4.6	-14.6		3443.5		-26	-129	531,390	2884191
TP ₅₁	399		161°02'04"		7.9	93° -	-20.9	-28.8		3429.3	TP	-86	-389	531,328	2883932
"	"		(257°29'32")		1.0	94° -	-27.8	-28.8			TP	-2	+1		
TP ₅₀	—	—	000												
TP ₅₁	—	—	000		+5.15			+5.2	3434.5		TP	0	0	531,328	2883932

SURVEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE					
9.22.84		R. Trowbridge		B Cotcamp		6834		B.C.K.		5		15					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER			
				WASH.		Pend Oreille								L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS			
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X	
64	63		158°08' (235°38')		9.1	90° -		-9.1	3434.5	3425.4		-36	-52	531,292	2883880		
TP ₅₂	344		141°01'43"		12.1	92° -	-12.0	-24.0	3410.5	3410.5	TP	-269	-214	531,057	2883719		
"	"		(218°31'15")		0.1	94° -	-24.0	-24.1			TP	-2	+1				
TP ₅₁	—		000														
TP ₅₂	—		000		+5.2			+5.2	3415.7		TP	0	0	531,057	2883719		
65	47		199°38' (238°05')		8.5	90° -		-8.5		3407.2		-25	-40	531,032	2883679		
66	377	376.1	197°55' (238°26')		6.9	94° -	-26.3	-33.2		3382.5		-208	-313	530,849	2883406		
TP ₅₃	651	649.4	197°32'29"		9.6	94° -	-45.4	-55.0	3360.7	3360.7	TP	-363	-539	530,692	2883181		
"			(236°03'44")		2.0	94°40'	-53.0	-55.0			TP	-2	+1				
TP ₅₂	—		000														
TP ₅₃	—		000		+5.15			+5.2	3365.9		TP	0	0	530,692	2883181		
67	59		206°37' (262°41')		10.0	90° -		-10.0		3355.9		-8	-59	530,684	2883122		
68	159		199°33'24" (255°37'08")		12.8	91° -	-2.8	-15.6		3350.3		-39	-154	530,653	2883027		
TP ₅₄	435		201°57'25"		12.6	93° -	-22.8	-35.4	3330.6	3330.6	TP	-90	-425	530,600	2882757		
"	"		(258°01'09")		5.0	94° -	-30.3	-35.3			TP	-2	+1				
TP ₅₃	—		000														
TP ₅₄	—		000		+5.2			+5.2	3335.8		TP	0	0	530,600	2882757		
68	51		334°07' (52°08')		6.5	85° -	+4.4	-2.1		3333.7		+31	+40	530,631	2882797		
69	278	277.3	154°12' (232°13')		6.9	94° -	-19.4	-26.3		3309.5		+170	-219	530,430	2882508		
70	608		152°14' (230°15')		8.2	94° -	-42.4	-50.6		3285.2		-388	-466	530,212	2882291		

5-530,650 x-2,882,990
 } - intersect

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
9.22.84		R. TRUMB.		B. Cotcamp		6834					5		16		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH.				WASH.		Pend Oreille								L.O.O.	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									3335.8						
TR ₅₅	756	754.2	151° 53' 13"		8.3	94°	-52.7	-61.0		3274.8	TP	-486	-577	530,112	2,882,181
"	"		(229° 54' 52")		1.7	94° 30'	-59.3	-61.0							
TP ₅₄	-		0° 00' 00"						3280.1		T	0	0	530,112	2,882,181
TP ₅₅	-				+5.3	-		+5.3							
71	180		192° 53' (242° 48')		10.0	93°	-9.4	-19.4		3260.7		-82	-160	530,030	2,882,021
TP ₅₆	368	367.1	192° 01' 29"		7.1	94°	-25.7	-32.8		324	TP	-173	-324	529,937	2,881,858
"	"		(241° 56' 21")		0.6	95°	-32.1	-32.7							
TP ₅₅	-		0° 00' 00"						3252.5		T	0	0	529,937	2,881,858
TP ₅₆	-				+5.1	-		+5.1							
Δ	120		351° 34' 08" (56° 30' 24")		6.5	85°	+10.5	+4.0		3256.5		+66	+100	530,003	2,881,958
72	141		165° 39' (227° 35')		10.7	92°	-4.9	-15.6		3236.9		-95	-104	529,842	2,881,754
TP ₅₇	395		159° 07' 56"		8.2	93°	-20.7	-28.9		3223.6	TP	-297	-259	529,638	2,881,600
"	"		(221° 04' 17")		1.3	94°	-27.6	-28.9							
TP ₅₆	-		0° 00' 00"						3228.8		T	0	0	529,638	2,881,600
TP ₅₇	-				+5.2	-		+5.2							
73	72		152° 31' (193° 35')		6.5	-		-6.5		3222.3		-70	-17	529,568	2,881,583
71	324		148° 37' 51" (189° 42' 14")		6.0	-		-6.0		3222.8	71	-319	-55	529,399	2,881,545
74	402		148° 38' (189° 42')		6.6	-		-6.6		3222.2		-396	-68	529,242	2,881,532
TP ₈	710		147° 05' 50"		6.1	-		-6.1			TP	-703	-101	528,933	2,881,500
"	"		(188° 10' 07")		9.6	TH	+3.6	-6.0							

529,310 K - 2,881,520
71 T - Int. 61.3223.0

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE						
9.24.84		R. Trow.		B. Cotamp		6834					5		17						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
WASH.				WASH		Peno Oreille								L.O.O					
STATION NO.	SLOPE DISTANCE	PLOTTING 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 ₀	-		0° 00' 00"							3222.8									
TP ₁	-				+4.8	-		+4.8	3222.6		π	0	0	528,933	2,881,500				
75	26		135° 46' (143° 56')		6.6	-		-6.6		3221.0		-21	+15	528,912	2,881,515				
76	355		153° 31' (161° 41')		10.8	93°	-18.6	-29.4		3198.2		-337	+111	528,596	2,881,611				
77	685	683.3	- - (- -)		10.8	94°	-47.8	-58.6		3169.0		-649	+215	528,284	2,881,715				
TP ₁	826	824.0	153° 34' 41"		13.5	94°	-57.6	-71.1		3156.6	TP	-783	+258	528,448	2,881,759				
--	--		(161° 44' 48")		13.3	266°	-57.6	-70.9	3110.3		TP	-2	+1						
TP ₀	-		0° 00' 00"																
TP ₁	-				+4.8	-		+4.8	3161.4		π	0	0	528,448	2,881,759				
78	191		190° 51' (172° 36')		13.0	93°	-10.0	-23.0		3138.4		-189	+25	527,959	2,881,784				
TP ₂	490	488.1	191° 13' 46"		7.0	95°	-42.7	-49.7		3111.7	TP	-484	+60	527,662	2,881,820				
--	--		(172° 58' 34")		2.7	95° 30'	-47.0	-49.7			TP	-2	+1						
TP ₁	-		0° 00' 00"																
TP ₂	-				+5.1	-		+5.1	3116.8		π	0	0	527,662	2,881,820				
79	38		221° 19' (214° 18')		8.8	-		-8.8		3108.0		-31	-21	527,631	2,881,779				
TP ₃	364		211° 19' 33"		6.2	92°	-12.7	-18.9		3097.9	TP	-332	-150	527,328	2,881,671				
80	364		(204° 18' 07")		12.6	91°	-6.3	-18.9			TP	-2	+1						
TP ₂	-		0° 00' 00"																
80	-				+5.1	-		+5.1	3103.0		π	0	0	527,328	2,881,671				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
9-24-84		R. Trowbridge		B. Cotcamp		6837		B.C.W		5		18							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington				Wash		Pend Oreille								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				
									3103.0										
81	330		196°20' (220°38')		7.5	90°-		-7.5		3095.5		-250	-215	527.078	2881456				
1K	454		196°27'36" (220°45'43")		8.3	90°-		-8.3		3094.7	Δ	-344	-296	526.984	2881375				y - intersect
82	660		196°28" (220°46')		12.4	90°-		-12.4		3090.6		-500	-431	526.828	2881240				
83	990		" (")		9.1	B.H.	-5.0	-14.1		3088.9		-750	-646	526.578	2881025				
84	1267		196°27'45" (220°45'52")		11.6	B.H.	-6.3	-17.9		3085.1	Δ	-960	-827	526.328	2880841				y - 526,395 x - 2,880,820 TRAIL
84	1320		" (")		12.7	B.H.	-6.6	-19.3		3083.7		-1000	-862	526.328	2880809				
TP ₄	1648		196°55'18" (221°13'25")		12.2	90°40'	-19.1	-31.3			TP	-1239	-1086	526.087	2880586				
85	"		"		12.1	215°20'	-19.1	-31.2		3071.8	TP	-2	+1						
TP ₃	-		000																
85	-		000	+5.1				+5.1	3076.9		π	0	0	526.087	2880586	(R.S?)			
86	330		168°01' (209°14')		9.2	92°-	-11.5	-20.7		3056.2		-288	-161	525.799	2880425				
87	658		167°03' (208°16')		10.0	92°-	-23.0	-33.0		3043.9		-579	-311	525.508	2880275				
88	988		167°18' (208°31')		6.2	92°-	-34.5	-40.7		3036.2		-868	-471	525.29	2880115				
Δ	1298		166°17'36" (207°31'01")		9.1	92°-	-45.3	-54.4		3022.5	Δ	-1150	-599	524.937	2879987				
89	1318	1317.2	166°33' (207°46')		10.1	92°-	-46.0	-56.1		3020.8		-1166	-614	524.921	2879972				
TP ₅	2410	2409	166°35'16" (207°48'41")		11.4	91°40'	-70.0	-81.4		2995.6	TP	-2131	-1124	523.954	2879463				
"	"		"		11.2	218°20'	-70.0	-81.2	-81.3		TP	-2	+1						
TP ₄	-		000																
TP ₅	-		000	+4.95				+5.0	3000.6		π	0	0	523.954	2879463				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-24-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		19			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington				Wash.										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
									3000.6						
90	763		000°06' (27°55')		8.2	T.H.	+3.8	-4.4		2996.2		+674	+357	524,628	2879,820
Cr. X-ing	661		000°41'28" (28°30'09")		10.8	90-		-10.8		2989.8	Δ	+581	+315	524,535	2879,778
91	433		001°00' (28°49')		12.3	B.H.	-2.2	-14.5		2986.1		+379	+209	524,333	2879,672
92	105		352°13' (20°02')		6.1	90-		-6.1		2994.5		+99	+36	524,053	2879,499
93	251		225°22' (253°11')		10.9	90-		-10.9		2989.7		-73	-240	523,881	2879,223
94	581		225°02' (252°51')		13.4	B.H.	-2.9	-16.3		2984.3		-171	-555	523,783	2878,908
95	911		225°46'43"		6.1	91°-	-15.9	-22.0	}	2978.6	TP	-257	-874	523,695	2878,590
TP ₆			(253°35'24")		11.4	90°40'	-10.6	-22.0			TP	-2	+1		
TP ₅	-		000						}	2983.6	TP	0	0	523,695	2878,590
TP ₄	-		000		+5.0			+5.0			TP	0	0		
11 th	43		355°29'38" (19°05'02")		5.4	89°-	+0.8	-4.6		2979.0	Δ	+15	+40	523,710	2878,630
96	329		184°25' (258°00')		9.1	90°-		-9.1		2974.5		-68	-322	523,627	2878,268
97	659		182°25' (")		10.4	B.H.	-3.3	-13.7		2969.9		-137	-645	523,558	2877,945
98	989		182°07' (55°47')		12.3	B.H.	-4.9	-17.2		2966.4		-244	-958	523,451	2877,632
99	1320		182°07' (")		9.1	90°40'	-15.3	-24.4		2959.2		-326	-1279	523,369	2877,311
100	1650		182°07' (")		12.0	90°40'	-19.1	-31.1		2952.5		-408	-1599	523,287	2876,991
TP ₃	1756		182°20'23"		5.0	90°40'	-20.4	-35.4	}	2948.3	TP	-427	-1703	523,268	2876,889
"	"		(255°55'47")		9.8	219°10'	-25.5	-35.3			TP				
TP ₆	-		000						}	2953.4	TP	0	0	523,268	2876,889
TP ₅	-		000		+5.05			+5.1			TP	0	0		

y = 523,710 x - 2,878,680
TRAIL depth horiz y = 57
CORR. x = 25

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
9.24.84		R. Trowbridge		B. Cotnam		6834					5		20		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH.				WASH		Peno Okeice								L.O.O	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									2953.4						
101	222		171° 50' (247° 46')		9.9	92°	-7.7	-17.6		2935.8		-84	-205	523.184	2876.684
TP ₈	438		165° 00' 28"		9.5	92°	-15.3	-24.8		2928.6	TP	-213	-383	523.055	2876.508
--	--		(240° 56' 15')		9.5	268°	-15.3	-24.8			TP		+2		
TP ₇	-		0° 00' 00"												
TP ₈	-			+5.1	-			+5.1	2933.7		π	0	0	523.055	2876.508
102	111		161° 51' (222° 47')		11.0	-		-11.0		2922.7		-81	-75	522.974	2876.433
103	439		153° 18' (214° 14')		8.0	92°	-15.3	-23.3		2910.4		-363	-247	522.692	2876.241
TP ₉	488		150° 32' 28"		7.8	92°	-17.0	-24.8		2908.9	TP	-416	-255	522.639	2876.254
--	--		(211° 28' 43")		6.4	92° 10'	-18.4	-24.8			TP		+1		
TP ₈	-		0° 00' 00"												
TP ₉	-			+5.1	-			+5.1	2914.0		π	0	0	522.639	2876.254
104	278		155° 54' (187° 23')		9.4	92°	-9.7	-19.1		2894.9		-276	-36	522.363	2876.218
TP ₁₀	352		151° 14' 43"		12.1	92°	-12.3	-24.4		2889.6	TP	-351	-17	522.288	2876.238
--	-		(182° 43' 26")		6.0	93°	-18.4	-24.4			TP		+1		
TP ₉	-		0° 0' 00"												
TP ₁₀	349			+5.1	-			+5.1	2894.7		π	0	0	522.288	2876.238
105	249		167° 16' (169° 59')		10.8	91°	-4.3	-15.1		2879.6		-245	+43	522.043	2876.281
TP ₁₀	489		165° 44' 32"		7.6	92°	-17.1	-24.7			TP	-479	+98	521.809	2876.337
--	489		(168° 27' 58")		3.3	92° 30'	-21.3	-24.6		2870.1	TP		+1		

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
9-24-84		R. Trumble		B. Cotcamp		6834		B.C.W.		5		21				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Washington		Stookum Crk Wash		Wash		Pend Oreille								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			000	+5.0				+5.0	2875.1	2875.1	π	0	0	521.809	2876.337	
106	94		207°16' (195°44')		8.9	90 -		-8.9		2866.2		-90	-25	521.719	2876.312	
107	422		199°44' (188°11')		9.1	90 -	-7.4	-16.5		2858.6		-418	-60	521.391	2876.277	
108	752		188°18' (186°46')		10.6	90 -	-13.1	-23.7		2851.4		-747	-89	521.062	2876.248	
109	1082		198°08' (186°36')		11.6	90 -	-18.9	-30.5		2844.6		-1075	-124	520.734	2876.213	
TP ₁₂	1351		199°08'01"		10.0	90 -	-23.5	-33.5		2841.7	TP	-1339	-179	520.470	2876.159	
"	"		(187°35'59")		9.7	269 -	-23.5	-33.2	-33.2		TP		"			
TP	-		000													
TP ₁₂	-		000	+5.2				+5.2	2846.9		π	0	0	520.470	2876.159	
110	62		190°56' (198°32')		5.7	90 -		-5.7		2841.2		-59	-20	520.411	2876.139	
111	392		186°22' (193°58')		10.8	90 -		-10.8		2836.1		-380	-95	520.090	2876.064	
112	722		186°32' (194°08')		11.0	B.H.	-3.6	-14.6		2832.3		-700	-176	519.770	2875.983	
113	1053		186°20'58" (193°56'57")		13.0	B.H.	-5.3	-18.3		2828.6	Δ	-1022	-254	519.448	2875.905	L ₁ - 519.440 x -2875.945 T-Intersect
114	1383		186°26' (194°02')		11.9	90°40'	-16.1	-28.0		2818.9		-1342	-335	519.128	2875.824	
TP ₁₃	1438		186°32'22"		12.9	90°40'	-16.7	-29.6		2817.5	TP	-1394	-351	519.076	2875.809	
"	"		(194°08'21")		12.5	269°20'	-16.7	-29.2	-29.2		TP		"			
TP ₁₂	-		000													
TP ₁₃	-		000	+5.05				+5.1	2822.6		π	0	0	519.076	2875.809	
115	274		186°53' (201°01')		9.3	90 -	-4.8	-14.1		2808.5		-256	-98	518.820	2875.711	
116	604		186°08' (200°17')		12.6	90 -	-10.5	-23.1		2799.5		-566	-209	518.510	2875.600	
117	934		186°40' (200°48')		13.5	90 -	-16.3	-29.8		2792.8		-873	-332	518.203	2875.477	

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
9-24-84		R. Trowbridge		B. Cotcamp		6834		B.C.V		5		22				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Washington				Wash		Pend Oreille								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
									2822.6							
117	1112		186°31'42" (200°46'03")		7.0	91°20'	-25.8	-32.8		2789.8		-1040	-392	518,036	2875417	y - 518,035 x - 2875,465 T-Intersect
118	1262		186°38' (200°416')		10.0	91°20'	-29.3	-39.3		2783.3		-1180	-447	517,896	2875362	
119	1592		" (")		12.4	91°20'	-37.0	-49.4		2773.2		-1488	-564	517,588	2875245	
120	1922		" (")		8.3	91°30'	-50.2	-58.5		2764.1		-1797	-681	517,279	2875128	
TP ₁₄	2035		186°17'48"		15.0	91°20'	-47.3	-63.3		2759.6	TP	-1906	-710	517,170	2875100	
"	"		(200°26'09")		14.5	268°40'	-47.3	-62.8	-63.0		TP		"			
TP ₁₃	-		000													
TP ₁₄	-		000	+5.15				+5.2	2764.8		X	0	0	517,170	2875100	
121	216		178°00' (198°26')		8.6	92° -	-7.5	-16.1		2748.7		-205	-68	516,965	2875032	
122	546		175°20' (195°46')		8.0	93° -	-28.6	-36.6		2728.2		-525	-148	516,645	2874952	
TP ₁₅	663	662.1	177°16'12"		9.0	93° -	-34.7	-43.7		2721.1	TP	-631	-201	516,539	2874900	
"	"		(197°42'21")		12.9	92°40'	-30.8	-43.7			TP		"			
TP ₁₄	-		000													
TP ₁₅	-		000	+5.1				+5.1	2726.2		X	0	0	516,539	2874900	
123	213		188°02' (205°44')		6.7	93° -	-11.1	-17.8		2708.4		-192	-92	516,347	2874808	
124	349		188°56'21" (206°38'42")		8.0	93° -	-18.3	-26.3		2699.9		-312	-156	516,227	2874744	
124	541		192°51' (210°33')		6.3	93° -	-28.3	-34.6		2691.6		-465	-275	516,074	2874625	
125	869		192°15' (209°57')		10.6	93° -	-45.5	-56.1		2670.1		-752	-433	515,787	2874467	
TP ₁₆	946		191°17'34"		13.0	93° -	-49.5	-62.5		2663.8	TP	-826	-458	515,713	2874443	
"	"		(208°59'55")		12.8	267° -	-49.5	-62.3	-62.4		TP		"			

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE							
9-24-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		5		23							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington				Wash		Pend Oreille								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 ₁₅			000																
TP ₁₆			000		+5.05*			+5.1	2668.9		π	0	0	515.713	2874443				
126	251	250.-	163°56' (192°56')		8.7	95° -	-21.9	-30.6		2638.3		-244	-56	515.469	2874367				
127	579	276.7	158°59' (187°59')		12.8	95°10'	-52.1	-64.9		2604.0		-571	-80	515.142	2874363				
128	908	905.5	158°16' (187°16')		12.1	94°17'	-67.8	-79.9		2589.0		-898	-115	514.815	2874328				
TP ₁₇	1051	1048	158°20'02"		8.4	94°20'	-79.4	-87.8		2581.3	TP	-1039	-134	514.674	2874310				
"	"	"	(187°19'57")		8.1	265°40'	-79.4	-87.5		-87.6?	TP		"						
TP ₁₆			000																
TP ₁₇			000		+5.2			+5.2	2586.5		π	0	0	514.674	2874310				
129	187		188°27' (195°47')		9.1	93° -	-9.8	-18.9		2567.6		-180	-51	514.494	2874254				
130	517		185°57' (193°17')		4.6	94° -	-36.1	-40.7		2545.8		-502	-119	514.172	2874191				
131	847	845	186°47' (194°07')		5.5	94° -	-59.1	-64.6		2521.9		-819	-206	513.855	2874104				
TP ₁₈	1165	1162	185°53'44"		5.5	94° -	-81.2	-86.7		2500.0	TP	-1131	-266	513.543	2874045				
132	"	"	(193°13'41")		5.2	266° -	-81.2	-86.4		-86.5?	TP		"						
TP ₁₈			000																
TP ₁₃₂			000		+5.05			+5.1	2565.1		π	0	0	513.543	2874045				
133	330		150°08' (163°22')		8.0	93° -	-17.3	-25.3		2479.8		-316	+94	513.227	2874135				
TP ₁₉	549	548.3	150°53'42"		10.3	93° -	-28.7	-39.0		2466.1	TP	-527	+150	513.016	2874196				
"	"	"	(164°07'23")		2.4	93°50'	-36.7	-39.1			TP		"						
TP ₁₈			000																
TP ₁₉			000		+5.15			+5.2	2477.3		π	0	0	513.016	2874196				
134	112		203°25' (187°32')		12.1	91° -	-2.0	-14.1		2457.2		-111	-15	512.905	2874181				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-24-84		R. Trowbridge		B. Cotcamo		6834		B. C. W.		5		24			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington				Wash.		Pend Oreille								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
									2471.3						
135	438	436.9	205°32' (189°39')		8.4	94°-	-30.5	-38.9		2432.4		-431	-73	512,585	2874,123
TP ₂₀	619	618.2	200°01'05"		12.6	93°-	-32.4	-45.0			TP	-617	-45	512,399	2874,152
"	"		(184°08'28")		12.5	267°-	-32.4	-44.9		2426.4	TP				
TP ₁₉	—		000								X				
TP ₂₀	—		000	+5.1				+5.1	2431.5		X	0	0	512,399	2874,152
136	146		184°24' (188°32')		10.1	90°-		-10.1		2421.4		-144	-22	512,255	2874,130
137	473		173°55' (178°03')		8.8	93°-	-24.8	-33.6		2397.9		-472	+16	511,927	2874,168
138	803		172°56' (177°04')		9.3	93°-	-42.0	-51.3		2380.2		-801	+41	511,598	2874,193
TP ₂₁	978	976.7	173°33'19"		7.1	93°-	-51.2	-58.3			TP	-976	+39	511,423	2874,192
"	"		(177°41'47")		6.8	267°-	-51.2	-58.0	-58.7	2373.4	TP				
TP ₂₀	—		000												
TP ₂₁	—		000	+5.1				+5.1	2378.5		X	0	0	511,423	2874,192
139	166		214°00' (211°42')		11.7	90°-		-11.7		2366.8		-141	-87	511,282	2874,105
140	493		210°33' (208°15')		12.0	91°-	-8.6	-20.6		2357.9		-434	-233	510,889	2873,959
X	558		210°13'24" (207°55'11")		9.0	91°30'	-14.6	-23.6		2354.9	Δ	-493	-261	510,930	2873,931
TP ₂₂	616		210°27'36"		10.6	91°30'	-16.1	-26.7		2351.8	TP	-543	-291	510,880	2873,902
"	"		(208°09'23")		12.5	91°20'	-14.3	-26.8			TP				
TP ₂₁	—		000												
TP ₂₂	—		000	+5.25				+5.3	2357.1		X	0	0	510,880	2873,902
141	214		201°49' (229°58')		12.4	92°-	-7.5	-19.9		2337.2		-138	-164	510,742	2873,738

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-24-84						6834		B.C.W.		5		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington				Wash		Pend Oreille								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
									2357.1						
141	237		198°00'64" (226°09'27")		12.4	92°-	-8.3	-20.7		2336.4		-164	-171	510,716	2873,31
TP ₂₃	476		201°25'00"		12.9	93°-	-24.9	-37.8		2319.3	TP	-308	-362	510,572	2873,541
"	"		(229°34'23")		11.6	93°10'	-26.3	-37.9			TP		+		
TP ₂₂			000												
TP ₂₃			000		+5.2			+5.2	2324.5		X	0	0	510,572	2873,541
142	69		213°10' (222°44')		12.0	90°-		-12.0		2312.5		-9	-68	510,563	2873,473
TP ₂₄	716	713.3	213°12'57"		2.9	95°-	-62.4	-65.3		2259.2	TP	-90	-708	510,482	2872,834
144	"		(262°47'20")		13.3	94°10'	-52.0	-65.3			TP		+		
TP ₂₃	-		000												
(144) TP ₂₄	-		000		+5.1			+5.1	2264.3		X	0	0	510,482	2872,834
143	323	321.8	354°16' (177°03')		8.0	85°-	+28.2	+20.2		2284.5		+72	+314	510,554	2873,148
144	-		- (")		5.1			-5.1		2259.2	X	0	0	510,482	2872,834
145	329		151°09' (233°54')		11.5	92°-	-11.5	-23.0		2241.3		-190	-261	510,292	2872,573
146	657		147°35' (230°22')		10.0	92°-	-22.9	-32.9		2231.4		-387	-531	510,095	2872,303 Pavement
147	986		147°28' (230°15')		4.9	92°-	-34.3	-39.3		2225.0		-630	-758	509,852	2872,076
148	1315		148°01' (230°48')		11.0	91°10'	-26.7	-37.7		2226.6		-831	-1019	509,651	2871,815
TP ₂₅	1541		145°55'11"		5.0	91°-	-26.8	-31.8			TP	-1017	-1158	509,465	2871,677
"	"		(228°42'31")		4.7	269°-	-26.8	-31.5	-31.5	2232.7	TP		+		
TP ₂₄	-		000												
TP ₂₅	-		000		+5.1			+5.1	2237.8		X	0	0	509,465	2871,677

DATE		INSTRUMENT/MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-24-84		R. Rowbridge		B. Cotcamp		6834		B.C.W		5		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER.	
Washington				Wash		Pend Oreille								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
									2237.8						
149	97		164°01' (212°44')		5.9	89-	+1.7	-4.2		2233.6		-82	-52	509,383	2871,625
150	426		161°04' (209°47')		7.8	90-		-7.8		2230.0		-370	-212	509,095	2871,465
TP ₂₅	536		156°52'30"		12.0	90-		-12.0		2225.8	TP	-483	-231	508,982	2871,447
"	"		(205°35'01")		14.7	T.H.	+2.7	-12.0			TP		"		
TP ₂₄	—		000												
TP ₂₅	—		000						2231.0		TP	0	0	508,982	2871,447
151	214		153°09' (178°44')		12.8	90-		-12.8		2218.2		-214	+5	508,768	2871,452
B.M	364		155°18'52" (180°53'53')		13.8	B.H.	-1.8	-15.8		2215.4	B.M	-364	-6.	508,618	2871,441
# _{20m}	367		152°10'35" (177°45'36')		12.7	B.H.	-1.8	-14.5		2216.5	#	-367	+14	508,615	2871,461
152	544		153°09' (178°44')		13.1	90-		-13.1		2217.9		-544	+12	508,438	2871,459
153	874		" (")		9.4	90-		-9.4		2221.6		-874	+19	508,108	2871,466
154	1204		" (")		9.4	90-		-9.4		2221.6		-1204	+27	507,778	2871,474
TP ₂₆	1533		152°54'39"		14.0	90-		-14.0		2217.0	TP	-1532	+40	507,450	2871,488
155	"		(178°29'40")		6.3	B.H.	-7.7	-14.0			TP		"		
TP ₂₅	—		000												Sunshot taken
155	—		000						2222.2		TP	0	0	507,450	2871,488
156	330		178°47' (157°17')		12.4	90-		-12.4		2209.8		-330	+16	507,120	2871,504
#	575		178°50'48" (177°20'28")		11.6	90°20'	-3.3	-14.9		2207.3	#	-574	+27	506,876	2871,515
157	660		179°43' (178°13')		11.8	90°20'	-3.8	-15.6		2206.6		-660	+21	506,790	2871,509
158	990		" (")		11.9	90°20'	-5.7	-17.6		2204.6		-990	+31	506,460	2871,519

5 - 508,610 x - 2,871,485
B.M. U.S.G.S. 30m 1935 EL. 2017
15 - 508,605 x - 2,871,500
#1 - Intersect

4 - 506,895 x - 2,871,535
#1 - Intersect EL. 2208.0
178°50'46"

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE							
9-25-84		R. Trowbridge		B. Cotcamp		6834		B.C.W.		5		27							
AREA		TOP MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington		Cusick		Wash.		Pend Oreille								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				
									2222.2										
159	1320		179°43' (178°13')		12.0	90°20'	-7.6	-19.6		2202.6		-1319	+41	506,131	2871,529				
160	1650		" (")		11.6	90°20'	-9.5	-21.1		2201.1		-1649	+51	505,801	2871,539				
161	1980		" (")		12.8	90°20'	-11.4	-24.2		2198.0		-1979	+62	505,471	2871,550				
162	2310		" (")		5.5	90°40'	-26.8	-32.3		2189.9		-2309	+72	505,141	2871,560				
TP ₁	2335		179°10'54"		12.0	90°30'	-20.3	-32.3		2190.1	TP	-2333	+100	505,117	2871,588				Sunshot 000°00'
"	"		(177°32'01")		11.6	269°30'	-20.3	-31.9	-32.1		TP		+1						New Az - 177°32'01"
TP ₂	—		000																
TP ₁	—		000	+49				+4.9	2195.0		X	0	0	505,117	2871,588				
163	305		194°06' (191°38')		12.7	90°—		-12.7		2182.3		-299	-62	504,818	2871,526				
TP ₂	812		193°46'06"		13.7	90°30'	-4.5	-18.2			TP	-502	-100	504,615	2871,489				
"	"		(191°18'07")		10.7	90°50'	-7.4	-18.1		2176.9	TP		+1						
TP ₁	—		000																
TP ₂	—		000	+5.2				+5.2	2182.1		X	0	0	504,615	2871,489				
164	213		261°50' (273°08')		5.8	87°30'	+9.3	+3.5		2185.6		+12	-212	504,627	2871,277				
165	542		257°44' (269°02')		10.3	87°30'	+23.6	+13.3		2195.4		-9	-541	504,606	2870,948				
166	869		255°26' (268°44')		11.0	88°10'	+27.8	+16.8		2198.9		-49	-867	504,566	2870,622				
TP ₃	881		255°49'42"		11.0	88°10'	+28.2	+17.2		2198.6	TP	-44	-879	504,571	2870,611				
"	"		(267°07'49")		9.2	88°20'	+25.6	+16.4	+16.5		TP		+1						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE		
9-25-84		R. Trow		B. Cotcamp		6834					5		28		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH		Cusick - 7 1/2		WASH		Pend Oreille								L.O.O	
STATION NO.	SLOPE 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
TP2	-		0° 00' 00"							2198.6					
TP3	-			+5.1	-			+5.1	2203.7		X	0	0	504,571 2,870,611	
167	324		141° 50' (228° 58')		6.6	-		-6.6		2197.1		-214	-246	504,357 2,870,365	
168	656		-- (-)		10.5	-		-10.5		2193.2		-431	-495	504,140 2,870,116	
169	986		-- (-)		16.2	84	-4.9	-15.1		2188.6		-647	-744	503,924 2,869,867	
170	1316		-- (-)		10.6	90° 30'	-11.4	-22.0		2181.7		-864	-993	503,707 2,869,618	
TP4	1413		141° 47' 54"		12.3	90° 30'	-12.3	-24.6		217	TP	-928	-1065	503,643 2,869,547	
--	--		(228° 55' 43")		12.2	269° 30'	-12.3	-24.5		2179.2	TP		+1		
TP3	-		0° 00' 00"												
TP4	-			+5.2	-			+5.2	2184.4		X	0	0	503,643 2,869,547	
171	233		180° 02' (228° 58')		8.3	91°	-4.1	-12.4		2172.0		-153	-176	503,490 2,869,371	
H	224		177° 05' 27" (226° 01' 10")		8.3	91°	-3.9	-12.2		2172.2		-156	-161	503,487 2,869,386 4-503,495 x -2,869,395	
172	563		180° 02' (228° 58')		11.9	91°	-9.8	-21.7		2162.7		-378	-425	503,273 2,869,122	
H	726		179° 15' 05" (228° 04' 48")		12.8	91°	-12.7	-25.5		2158.9		-484	-541	503,159 2,869,006	
173	893		180° 02' (228° 58')		134	91°	-15.6	-29.0		2155.4		-586	-674	503,057 2,868,873 4-503,110 x -2,868	
174	1223		-- (-)		12.1	91°	-21.3	-33.4		2151.0		-803	-922	502,840 2,868,625	
175	1553		-- (-)		9.4	91°	-27.1	-36.5		2147.9		-1019	-1171	502,624 2,868,376	
176	1883		-- (-)		8.4	91°	-32.8	-41.2		2143.2		-1236	-1420	502,407 2,868,127	
177	2213		-- (-)		10.0	91°	-38.5	-48.5		2135.9		-1453	-1669	502,190 2,867,878 2867878	
178	2543		-- (-)		13.5	91°	-44.2	-57.7		2126.7		-1669	-1918	501,974 2,867,629	

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-25-84		R. Trowbridge		D. Cotcamp		6834		B.C.W.		5		27			
AREA		TOP MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Cusick 7.5'		Wash.		Pend Oreille								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
									2184.4						
TP ₅	2708		180°02'29"		8.3	91°10'	-55.0	-63.3	-63.2 ³	2121.2	TP	-1777	-2042	501.866	2867506
"	"		(228°58'12")		8.1	268°50'	-55.0	-63.1		TP					
TP ₄	-		000						+5.2	2126.4	X	0	0	501.866	2867506
TP ₅	-		000												
179	164		180°36' (229°34')		6.6	92° -	-5.7	-12.3		2114.1		-106	-125	501.760	2867381
180	494		" (")		13.4	92° -	-17.2	-30.6		2095.8		-320	-376	501.546	2867130
181	824	822.9	" (")		10.3	93° -	-43.1	-53.4		2073.0		-534	-626	501.332	2866880
182	1154	1152.4	" (")		6.8	93° -	-60.4	-67.2		2059.2		-747	-877	501.119	2866629
#	1225	1223.3	180°35'18" (229°33'30")		3.5	93° -	-64.1	-67.6		2058.8	#	-794	-931	501.072	2866575 ^{-501.026} E1. 2061.0
183	1483	1481.9	180°56' (229°54')		10.0	92°10'	-56.0	-66.0		2060.4		-955	-1134	500.911	2866372
184	1812	1811.2	180°30' (229°28')		10.4	91°40'	-52.6	-63.0		2063.4		-1177	-1377	500.689	2866129
185	2142		" (")		7.9	91°30'	-56.0	-63.9		2062.5		-1392	-1627	500.474	2865879
186	2472		" (")		8.1	91°20'	-57.4	-65.5		2060.9		-1606	-1878	500.260	2865628
187	2802		" (")		10.5	91°10'	-56.9	-67.4		2059.0		-1821	-2129	500.045	2865377
188	3132		" (")		5.3	91°10'	-63.6	-68.9		2057.5		-2035	-2380	499.831	2865126
189	3462		" (")		10.3	91° -	-60.2	-70.5		2055.9		-2250	-2631	499.616	2864875
190	3791		180°15' (229°13')		7.6	91° -	-65.9	-73.5		2052.9		-2476	-2870	499.390	2864636
191	4120		" (")		9.8	90°54'	-64.4	-74.2		2052.2		-2691	-3119	499.175	2864387
192	4450		179°55' (228°53')		9.9	90°50'	-64.3	-74.2		2052.2		-2926	-3352	498.940	2864151
193	4779		" (")		7.1	90°50'	-69.0	-76.1		2050.3		-3142	-3600	498.724	2863906

Geosource Inc.

DATE		INSURUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
9-25-84		R. Trowbridge		B. Cotcamp		6834		B. C. W.		5		30		
AREA		TOP MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Washington		Cusick 7.5		Wash		Pend Oreille						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.	
									2126.4					
194	5109		179°50' (228°48')		10.7	90°45'	-66.3	-77.0		2049.4		-3365	-3844	498.501 2863662 90°35'54'
195	5439		179°49' (228°47')		6.4	90°45'	-70.6	-77.0		2049.4		-3584	-4091	498.282 2863415
196	5769		" (")		11.0	90°40'	-66.4	-77.4		2049.0		-3801	-4339	498.065 2863167
197	6099		" (")		8.9	90°40'	-70.2	-79.1		2047.3		-4018	-4588	497.848 2862918
#	6110		179°46'16" (228°44'28')		8.9	90°40'	-70.3	-79.2		2047.2		-4029	-4593	497.837 2862913 Y-497805 X-2862925
198	6429		" (228°44')		10.1	90°34'	-62.7	-72.8		2053.6		-4240	-4832	497.626 2862674
TP6	6454		109°04'43"		0.0	90°38'30"	-71.4	-71.4		2055.6	TP	-4255	-4852	497.611 2862655
"	"		(228°44'55")		0.0	269°22'06"	-70.3	-70.3	-70.83		TP		"	
"	"				4.8	90°35'54"	-66.5	-71.3						
TP5	—		000											
TP6	—		000	+5.1				+5.1	2060.7		TP	0	0	497.611 2862655
199	316		218°54' (267°34')		6.7	90° -		-6.7		2054.0		-13	-316	497.598 2862339
200	646		" (")		8.8	90° -		-8.8		2051.9		-26	-645	497.585 2862010
201	976		" (")		9.3	90° -		-9.3		2051.4		-40	-975	497.571 2861680
202	1306		" (")		8.1	90° -		-8.1		2052.6		-54	-1305	497.557 2861350
203	1636		" (")		7.3	90° -	+0.1	-7.2		2053.5		-67	-1635	497.544 2861020
204	1964		217°34' (266°19')		10.1	90°10'		-5.6		2045.0		-126	-1960	497.485 2860695
205	2294		217°34' (")		10.7	90°10'		-6.6		2043.4		-147	-2289	497.464 2860366
206	2624		" (")		8.5	90°10'		-7.5		2044.7		-169	-2619	497.442 2860036

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
9-25-84		R. Trowbridge		B. Cotcano		6834		B.C. W		5		31		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Washington		Cusick-7.5		Wash		Pend Oreille						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.	
									2060.7					
TP8	2805		217°23'54"		4.9	90°05'	-3.9	-8.8	}	2052.2	TP	-188	-2799	497,423 2859,857
"			(216°08'49")		4.3	216°55'	-3.9	-8.2		-8.53	TP			
TP3	—		000											
TP8	—		000											
207	148		183°39' (219°48')		6.0	90 -		-6.0	}	2051.3	π	0	0	497,423 2859,857
208	478		181°10' (217°19')		9.7	90 -		-9.7		-2057.3				
209	808		181°01' (217°10')		11.8	90 -		-11.8		2045.5		-22	-477	497,401 2859,380
210	1138		" (")		13.0	90 -		-13.0		2044.3		-40	-807	497,383 2859,050
211	1468		" (")		7.5	B.H.	-7.3	-14.8		2042.5		-56	-1137	497,367 2856,720 ^{Y-497,385 E1.2046} _{X-2856,230}
212	1798		" (")		9.4	B.H.	-9.0	-18.3		2039.0		-73	-1466	497,350 2856,391
213	2128		" (")		9.5	B.H.	-10.6	-20.0		2037.3		-89	-1796	497,334 2856,061
214	2458		" (")		9.2	B.H.	-12.3	-21.4		2035.9		-105	-2125	497,318 2857,732
215	2787		181°15'16"		9.3	B.H.	-13.9	-23.0	}	2034.7	TP	-122	-2455	497,301 2857,402
TP9	"		(216°24'05")		8.6	B.H.	-13.9	-22.3		-2263		TP	+1	+1
TP8	—		000											
TP9	—		000											
216	330		178°45' (216°09')		5.8	90 -		-5.8	}	2039.7	π	0	0	497,298 2857,074
217	657		177°32' (214°56')		6.3	90 -		-6.3		-2033.9				
CrXing	927		174°04' (212°05')		8.8	90 -		-8.8		2033.4		-22	-329	497,276 2856,745
218	984		175°21' (212°45')		8.1	90 -		-8.1		2030.9		-58	-654	497,240 2856,420
										2031.6		-128	-918	497,170 2856,156
												-124	-976	497,174 2856,098

Geosource Inc.

DATE		INSTRUMENT MAN		ROB. MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
9-25-84		R. Trowbridge		B. Cotcamp		6834				5		32							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington		Cusick 7.5		Wash.		Pend Oreille								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				
									2039.7										
219	1312		176°38' (266°02')		7.1	90-		-7.1		2032.6		-136	-1305	497.162	2855.769				
220	1637		178°55' (266°19')		7.0	90-	+0.1	-6.9		2032.8		-105	-1634	497.193	2855.440				
221	1966		179°21' (266°45')		6.3	90-	+0.1	-6.2		2033.5		-111	-1963	497.187	2855.111				
222	2296		" (")		10.7	89°50'	+6.8	-3.9		2035.8		-130	-2292	497.168	2854.782				
223	2625		179°21'24"		10.7	89°50'	+7.8	-2.9		2037.1	TP	-148	-2621	497.151	2854.455				
TP	"		(266°45'29")		10.2	270°10'	+7.8	-2.4	-2.63		TP								
TP ₁₀	—		000																
TP	—		000	+5.1				+5.1	2042.2		TP	0	0	497.151	2854.455				
224	3830		179°56' (266°41')		6.9	89°30'	+2.9	-4.0		2038.2		-19	-329	497.132	2854.126				
225	660		" (266°41')		8.6	89°30'	+5.8	-2.8		2039.4		-38	-659	497.113	2853.796				
226	990		" (266°41')		8.3	89°30'	+8.6	+0.3		2042.5		-57	-988	497.094	2853.467				
B.M.	1031		180°37'24" (267°21'53')		7.3	89°30'	+9.0	+1.7		2043.9	△	-47	-1030	497.104	2853.425				
227	1320		" (267°23')		9.9	89°30'	+11.6	+1.7		2043.9									
228	1650		179°15' (266°00')		8.4	89°40'	+9.7	+1.3		2043.5									
229	1980		179°23' (266°08')		10.1	89°40'	+11.6	+1.5		2043.7									
TP	2015		179°20'26"		10.1	89°40'	+11.8	+1.7		2044.1	TP								
"	"		(266°05'55")		9.7	270°20'	+11.8	+2.1	+1.93		TP								
TP ₁₀	—		000																
TP ₁₁	—		000	+5.05				+5.1	2049.2										

1-497.104 E1. 2045.0
 x-2853.425 Horiz. +2'
 Cor. x +32'

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
9-25-84		R. Traubridge		B. Cotcamp		6834		L.D.		5	32				
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER						
Washington		Cusick 7.5		Wash.	Pend Oreille				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 Y X	REMARKS
									2039.7						
219	1312		176°38' (211°03')		2.1	90°-		-7.1		2032.6		-136	-1305	497.162	2855.769
220	1637		178°55' (216°19')		7.0	90°-	+0.1	-6.9		2032.8		-105	-1634	497.193	2855.440
221	1966		179°21' (216°45')		6.3	90°-	+0.1	-6.2		2033.5		-111	-1963	497.187	2855.111
222	2296		" (")		10.7	89°50'	+6.8	-3.9		2035.8		-130	-2292	497.168	2854.782
223	2625		179°21'24"		10.7	89°50'	+7.8	-2.9		2037.1	TP	-148	-2621	497.151	2854.455
TP	"		(216°45'29")		10.2	270°10'	+7.8	-2.4	-2.4		TP	"	"		
TP	"		000												
TP	"		000		5.1			+5.1	2042.2		T	0	0	497.151	2854.455
224	3730		179°56' (211°41')		6.9	89°30'	+2.9	-4.0		2038.2		-19	-329	497.132	2854.26
225	660		" (211°41')		8.6	89°30'	+5.8	-2.8		2039.4		-38	-659	497.113	2853.796
226	990		" (211°41')		8.3	89°30'	+8.6	+0.3		2042.5		-57	-988	497.094	2853.467
B.M.	1031		180°37'24" (211°165')		2.3	89°30'	+9.0	+1.7		2043.9	Δ	-47	-1030	497.104	2853.425
227	1320		" (211°28')		9.9	89°30'	+11.6	+1.7		2043.9		-60	-1319	497.091	2853.136
228	1650		179°15' (211°00')		8.4	89°40'	+9.7	+1.3		2043.5		-115	-1616	497.036	2852.809
229	1980		179°23' (211°08')		10.1	89°40'	+11.6	+1.5		2043.7		-134	-1955	497.017	2852.480
TP	2015		179°20'26"		10.1	89°40'	+11.8	+1.7		2044.1	TP	-137	-2010	497.014	2852.446
"	"		(211°05'55")		9.7	270°20'	+11.8	+2.1	+1.9		TP		"		
TP	"		000												
TP	"		000		+5.05			+5.1	2049.2		T	0	0	497.014	2852.446

497.104 EL. 2045.0
 x-2854.25
 coll. x-+32

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
9-25-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		33			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Cusick 7.5		Wash		Pend Oreille								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
									2049.2						
230	289		195°29' (281°35')		7.3	90-		-7.3		2041.9		+58	-283	497.072	2852,163
231	607		206°56' (293°02')		10.9	90-		-10.9		2038.3		+238	-559	497.252	2851887 E of Creek
TP ₁₂	941		188°36'18"		9.0	90-		-9.0		2040.2	TP	+76	-938	497.090	2851509 W of Creek
"	"		(274°36'13")		13.7	T.H.	+4.7	-9.0			TP		"		
TP ₁₁			000												
TP ₁₂			000												
					+5.1			+5.1	2045.3		T	0	0	497.090	2851509
232	135		283°02' (371°38')		4.8	96°06'	-14.3	-19.1		2026.2		+129	+41	497.219	2851550
233	244		169°43' (264°19')		4.8	90°34'	-2.4	-7.2		2038.1		-24	-243	497.066	2851266
234	557		160°53' (255°29')		9.0	90-		-9.0		2036.3		-140	-539	496.950	2850970
235	883		165°26' (260°02')		10.6	90-		-10.6		2034.7		-153	-870	496.737	2850639
236	1211		166°54' (261°30')		11.7	90-		-11.7		2033.6		-179	-1198	496.911	2850311
237	1527		170°31' (265°07')		11.5	90-		-11.5		2033.8		-136	-1521	496.960	2840988
238	1855		170°06' (264°42')		11.0	90°06'	-3.2	-14.2		2031.1		-171	-1847	496.919	2849662
239	2183		169°11' (263°47')		8.8	90°06'	-3.7	-12.5		2032.8		-236	-2170	496.854	2849339
240	2512		169°25'30"		12.8	90-		-12.7			TP	-261	-2498	496.829	2849012
TP ₁₃	"		" (264°01'43")		4.8	90°10'		-7.2			TP		"		
TP ₁₂			000												
TP ₁₃			000												
					+5.05			+5.1	2038.5		T	0	0	496.829	2849012

DATE		INSTRUMENT MAN		ROD MAN		PART NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-26-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Cusick 7.5'		Wash		Pend Oreille								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
									2282.5						
252	111		140°43' (228°01')		4.8	84°33'	+10.5	+5.7		2288.2		-74	-83	496,572	2845098
TP ₂	248	246.6	131°34'51" (223°53'05")		7.4	83°56'	+26.6	+19.2		2301.7	TP	-178	-171	496,468	2845011 Back on Road
"					11.7	82°50'	+30.9	+19.2			TP		+1		
TP ₁	-		000												
TP ₂	-		000	+5.05				+5.1	2306.8		TP	0	0	496,468	2845011
253	197		204°18' (248°01')		6.2	86°-	+13.7	+7.5		2314.3		-73	-183	496,395	2849828
254	527		" (")		7.5	86°-	+36.8	+29.3		2336.1		-196	-489	496,272	2844522
TP ₃	605	603.5	204°03'42" (247°56'47")		7.2	86°-	+42.2	+35.0			TP	-227	-559	496,241	2844453
"	"				7.1	274°-	+42.2	+35.1		2341.9	TP		+1		
TP ₂	-		000												
TP ₃	-		000	+5.05				+5.1	2347.0		TP	0	0	496,241	2844453
TP ₄	203		262°06'41" (330°03'28")		7.9	87°-	+10.6	+2.7		2349.7	TP	+176	-101	496,417	2844355 Sunshot taken
TP ₄	"				0.8	89°-	+3.5	+2.7			TP		+1		
TP ₃	-		000												
TP ₄	-		000	+5.1				+5.1	2354.8		TP	0	0	496,417	2844353
255	97		193°00' (343°03')		7.5	90°-		-7.5		2347.3		+93	-28	496,510	2849325
256	427		" (")		11.5	90°-		-11.5		2343.3		+408	-124	496,825	2844229
257	753		196°04' (346°07')		8.4	90°-		-8.4		2346.4		+731	-181	497,148	2844172
TP ₅	899		195°40'24" (345°43'52")		6.5	90°-		-6.5		2348.3	TP	+871	-222	497,288	2844132
"	"				11.0	T.H.		+4.5			TP		+1		

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-26-84		R. Trawbridge		B. Cotcamp		6834		LD		BC		5		36	
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
Washinton		Cusick 7.5'		Wash.		Pend Oreille						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	—		000							2348.3					
TP ₅	—		000		+5.05			+5.1	2348.3		π	0	0	497,288 2844,132	
258	182		163°41' (329°25')		10.0	87°	+9.5	-0.5	2352.9			+156	-93	497,444 2844,039	
AI	128		160°02'47" (325°46'39")		4.8	88°28'	+3.4	-1.4	2352.0		Δ	+106	-72	497,394 2844,060 y 497,405 x 2844,070 11" Fence Line	
259	512		161°04' (326°48')		8.8	88°	+17.9	+9.1	2362.5			+428	-280	497,716 2843,852	
TP ₆	653		158°32'13"		9.8	88°	+22.8	+13.0	2366.4		TP	+530	-381	497,818 2843,752	
"	"		(324° 16' 05")		2.2	88°40'	+15.2	+13.0			TP		+1		
TP ₅	—		000												
TP ₆	—		000		+5.05			+5.1	2371.5		π	0	0	497,818 2843,752	
260	174		121°47' (266°03')		6.8	89°	+3.0	-3.8	2367.7			-12	-174	497,806 2843,578	
TP ₇	297		111°28'05"		6.7	89°	+5.2	-1.5	2370.0		TP	-73	-288	497,745 2843,465	
"	"		(255°44'10")		1.5	90°		-1.5			TP		+1		
TP ₆	—		000												
TP ₇	—		000		+5.1			+5.1	2375.1		π	0	0	497,745 2843,465	
261	200		151°22' (227°06')		7.6	87°	+10.5	+2.9	2378.0			-136	-147	497,609 2843,318	
TP ₈	527		144°22'48"		7.8	88°	+18.4	+10.6	2385.7		TP	-403	-339	497,342 2843,127	
"	"		(220°06'58")		3.2	88°30'	+13.8	+10.6			TP		+1		
TP ₇	—		000												
TP ₈	—		000		+5.2			+5.2	2390.9		π	0	0	497,342 2843,127	

DATE		INSTRUMENT MAN		ROB MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-26-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		37			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Cusick 7.5'		Wash		Pend Oreille								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
									2,390.9						
263	329		174°53' (215°)		4.8	89°-	+5.7	+0.9		2,391.8		-270	-189	497.072	2842938
264	659		174°22' (214°29')		7.7	89°-	+11.5	+3.8		2,394.7		-543	-373	496.799	2842751
TP ₉	806		173°48'36"		11.1	89°-	+14.1	+3.0			TP	-669	-450	496.673	2842678
"	"		(213°55'34")		4.2	89°30'	+7.0	+2.8	+2.9	2,393.8	TP				
TP ₈	-		000												
TP ₉	-		000	+5.05				+5.1	2,398.9		TP	0	0	496.673	2842678
265	191		203°54' (237°50')		5.9	90°-		-5.9		2393.6		-102	-162	496.571	2842516
266	518		197°02' (230°58')		5.2	90°-		-5.2		2,393.7		-326	-402	496.347	2842276
TP ₁₀	1737		200°17'18"		11.7	T.H.	+8.7	-2.9			TP	-1016	-1409	495.657	2841270
"	"		(234°12'52")		11.5	T.H.	+8.7	-2.7	-2.8	2,396.1	TP				
TP ₉	-		000												
TP ₁₀	-		000	+5.15				+5.2	2,401.3		TP	0	0	495.657	2841270
267	903		06°34' (60°47')		7.7	90°-		-7.7		2393.6		+441	+788	496.098	2842658
268	583		12°15' (66°28')		6.6	T.H.	+2.9	-3.7		2397.6		+233	+535	495.890	2841865
269	253		12°51' (67°04')		7.8	89°-	+4.4	-3.4		2,397.9		+99	+233	495.756	2841503
270	76		189°14' (243°27')		7.5	89°-	+1.3	-6.2		2,395.1		+34	+68	495.691	2841202
271	402		187°14'12"		8.6	90°-		-8.6		2,392.7	TP	-192	-353	495.465	2840918
TP ₁₁	"		(241°27'04")		10.6	T.H.	+2.0	-8.6			TP				
TP ₁₀	-		000												
TP ₁₁	-		000	+5.15				+5.2	2,397.9		TP	0	0	495.465	2840918

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE							
9-26-84		R. Traubridge		B. Cotcamp		6834		B.C.		5		38							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington				Wash.		Pend Oreille								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				
									2,397.9										
272	217		164°35'08" (226°02'12")		9.0	92°-	-7.6	-16.6		2,381.3		-151	-156	495.314	2840.762				x-495,270 x-2840,760 y-Intersect El. 2383.0
TP ₁₂	330		164°35' (226°02')		8.2	92°50'	-16.3	-24.5		2,373.4	1	-229	-238	495.236	2840.680				
"	606	605.2	167°37'13" (229°04'17")		6.5	93°-	-31.7	-38.2		2,359.7	TP	-396	-457	495.069	2840.462				
"	"	"			11.8	92°30'	-26.4	-38.2			TP		+						
TP ₁₁	-		000																
TP ₁₂	-		000	+50				+5.0	2,364.7		π	0	0	495.069	2840.462				
273	92		255°29' (304°33')		4.8	90°-		-4.8		2,359.9		+52	-76	495.121	2840.386				
274	418		242°51' (291°55')		4.6	90°-		-4.6		2,360.1		+156	-388	495.225	2840.074				
TP ₁₃	517		244°23'53" (293°28'10")		3.8	90°-		-3.8			TP	+206	-474	495.275	2839.989				
"	"				6.3	T.H.	+2.6	-3.7		2,361.0	TP		+						
TP ₁₂	-		000																
TP ₁₃	-		000	+5.1				+5.1	2,366.1		π	0	0	495.275	2839.989				
275	230		194°30' (307°58')		5.3	89°-	+4.0	-1.3		2,364.8		+142	-181	495.417	2839.808				
276	560		"		6.8	89°-	+9.8	+3.0		2,369.1		+345	-441	495.620	2839.548				
277	890		"		9.2	89°-	+15.5	+6.3		2,372.4		+548	-702	495.823	2839.287				
278	1220		"		12.5	89°-	+21.3	+8.8		2,374.9		+751	-962	496.026	2839.027				
279	1550		" (307°58')		6.2	89°20'	+18.1	+11.9		2,378.0		+954	-1222	496.229	2838.761				
TP ₁₄	1639		193°57'39" (307°25'49")		13.1	89°-	+28.7	+15.6			TP	+996	-1301	496.271	2838.689				
"	"				12.7	270°-	+28.7	+16.0	+15.83	2,381.9	TP		+						

DATE		INSURUMENT MAN		ROB MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE				
9-26-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		39				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Washington				Wash		Pend Oreille								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	—		000							2,381.9						
TP ₃	—		000													
280	237		141°21' (218°47')		5.4	89° -	+4.1	-1.3	2,386.9		π	0	0	496,271	2838689	
281	567		139°47' (217°13')		6.4	89° -	+9.9	+3.5		2,385.6		-5	-237	496,266	2838452	
282	897		" (217°13')		6.4	89° -	+15.7	+9.3		2,390.4		-28	-566	496,243	2838123	
1#	1122		139°28'34" (216°54'23")		5.3	89° -	+19.6	+14.3		2,396.2		-44	-896	496,227	2837793	
283	1227		139°47' (217°13')		9.9	89° -	+21.4	+16.5		2,401.2		-61	-1120	496,210	2837591	
284	1557 RME		" ↓		7.2	88°50'	+31.8	+24.5		2,403.4		-60	-1226	496,211	2837463	
285	1887		" (217°13')		8.7	88°50'	+38.5	+29.8		2,411.5		-76	-1555	496,195	2837134	
TP ₁₅	2214		139°06'13"		9.2	88°50'	+45.2	+36.0		2,416.7		-92	-1885	496,179	2836804	
286			(266°32'02")		8.7	88°50'	+45.2	+36.5	+36.3		TP	-134	-2269	496,137	2836481	
TP	—		000							2,423.2					TP's destroyed by machinery Sun shot taken for Azimuth	
TP ₁₅ (286)	—		000		+5.1			+5.1	2,428.3		π	0	0	496,137	2836481 (218°23'23")	
287	328		134°16' (220°48')		10.7	88° -	+11.4	+0.7		2,429.0		-248	-214	495,889	2836267	
288	658		132°50' (219°22')		4.7	89° -	+11.5	+6.8		2,435.1		-509	-417	495,628	2836041	
289	988		131°46' (218°18')		10.9	88°30'	+25.9	+15.0		2,443.3		-775	-612	495,362	2835869	
TP ₁₄	1201		131°59'24"		6.7	88°30'	+31.5	+24.8		2,453.2		TP	-941	-746	495,196	2835736
"			(218°23'23")		6.5	271°030'	+31.5	+25.0	+24.9		TP					
TP ₁₅	—		000													
TP ₁₄	—		000									π	0	0	495,196 2835736	

496,190 x -2,837,570
T-Intersect EL. 2402.0

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-27-84		R. Traubridge		B. Cotcamp		6834		B.C.		5		40			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Wheeler, Pk. 7.5		Wash		Pend Oreille								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 ₀	—									2423.2					
TP ₁ (286)	—				+5.0	4:		+5.0	2,428.2		TP	0	0	496,137	AT 286.0 EL. 2423.2
TP ₂	1208		000° 00' 00"		9.7	86° 20'	+35.2	+25.5			TP	-941	-746	495,196	2835736
"	"		(218° 23' 23")		9.5	271° 40'	+35.2	+25.7	+25.6	2453.8	TP		+1		
TP ₁	—		000												
TP ₂	—		000		+5.0			+5.0	2,458.8		TP	0	0	495,196	2835736
290	111		212° 14' (250° 37')		9.6	83° -	+13.5	+3.9		2,462.7		-37	-105	495,159	2835631
TP ₃	280	278.9	209° 56' 23"		6.5	85° -	+24.4	+17.9			TP	-112	-255	495,084	2835482
"	"		(246° 19' 46")		1.5	86° -	+19.5	+18.0		2,476.8	TP		+1		
TP ₂	—		000												
TP ₃	—		000		+5.0			+5.0	2,481.8		TP	0	0	495,084	2835482
291	151		151° 23' (217° 43')		8.8	86° -	+10.5	+1.7		2,483.5		-119	-92	494,965	2835390
TP ₄	205		101° 24' 06"		3.4	86° -	+14.3	+10.9		2,492.7	TP	-200	+43	494,884	2835526
"	"		(167° 43' 52")		4.6	85° 40'	+15.5	+10.9			TP		+1		
TP ₃	—		000												
TP ₄	—		000		+5.15			+5.2	2,497.9		TP	0	0	494,884	2835526
292	150		142° - (129° 44')		6.0	85° -	+13.1	+7.1		2,505.0		-96	+115	494,788	2835641
TP ₅	212	211.2	142° 23' 53"		5.8	85° -	+18.5	+12.7		2,510.6	TP	-136	+161	494,748	2835688
"	"		(130° 07' 45")		2.1	86° -	+14.8	+12.7			TP		+1		

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-27-84		R. Tronbridge		B. Cotcamp		6834		B.C.		5		41			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Winchr. PK. 7.5		Wash.		Pend Oreille								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
LAT.	DEP.	Y	X												
TP ₄	—	—	000								π	0	0	494,748	2835,688
TP ₅	—	—	000	+50.5				+5.1	2515.7		π	0	0	494,748	2835,688
TP ₆	186		230°01'42"		3.6	87° -	+9.7	+6.1		2,521.8	TP	-186	-1	494,562	2835,688
TP ₇	"		(180°09'27")		6.9	86° -	+13.0	+6.1			TP		+1		
TP ₅	—	—	000												
TP ₆	—	—	000	+5.0				+5.0	2,526.8		π	0	0	494,562	2835,688
293	111		240°38' (240°41')		8.3	87° -	+5.8	-2.5		2,524.3		-54	-97	494,508	2835,591
294	437		241°56'36"		6.1	87° -	+22.9	+16.8		2,543.6	TP	-204	-386	494,358	2835,303
TP ₇	"		(242°06'03")		2.3	87°30'	+19.1	+16.8			TP		+1		
TP ₆	—	—	000												
294	—	—	000	+5.1				+5.1	2,548.7		π	0	0	494,358	2835,303
TP ₈	250		160°16'35"		8.6	86° -	+17.4	+8.8		2,557.5	TP	-184	-168	494,174	2835,135
"	"		(222°22'38")		4.3	87° -	+13.1	+8.8			TP				
TP ₇	—	—	000												
TP ₈	—	—	000	+5.1				+5.1	2,562.6		π	0	0	494,174	2835,135
295	73		200°07' (242°30')		8.0	86° -	+5.1	-2.9		2,559.7		-34	-65	494,110	2835,070
296	399		201°52' (244°15')		8.6	87° -	+20.9	+12.3		2,574.9		-173	-359	494,001	2834,776
TP ₉	464 RMT		200°51'30"		5.5	87° -	+24.3	+18.8		2,581.4	TP	-208	-414	493,966	2834,721
"	"		(243°22'08")		4.1	87°10'	+22.9	+18.8			TP				
TP ₈	—	—	000												
TP ₉	—	—	000	+5.0				+5.0	2,586.4		π	0	0	493,966	2834,721

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
9-27-84		R. Trowbridge		B. Catcamp		6834		B.C.		3		42							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington		Winchester Pk		Wash		Pend Oreille								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 ₁₀	181		133°22'54"		3.9	89°-	+3.2	-0.7	2,586.4										
"	"		(196°45'02")		1.8	89°40'	+1.1	-0.7		2,585.7	TP	-173	-52	493,793	28341669				
TP ₂	-		000								TP								
TP ₁₀	-		000		+5.1			+5.1	2,590.8		X	0	0	493,793	28341669				
2919	65		172°09' (188°54')		6.9	86°-	+4.5	-2.4		2,588.4		-64	-10	493,729	28341659				
TP ₁₁	242		159°29'47"		4.4	86°-	+16.9	+12.5		2,603.3	TP	-241	+16	493,552	28341685				
"	"		(176°14'49")		0.2	87°-	+12.7	+12.5			TP								
TP ₁₀	-		000																
TP ₁₁	-		000		+5.05			+5.1	2,608.4		X	0	0	493,552	28341685				
TP ₁₂	117		253°59'05"		5.9	85°-	+10.2	+4.3		2,612.7	TP	-39	-110	493,513	28341575				
"	"		(250°13'54")		1.8	87°-	+6.1	+4.3			TP								
TP ₁₁	-		000																
TP ₁₂	-		000		+5.0			+5.0	2,617.7		X	0	0	493,513	28341575				
298	61		207°45' (277°59')		7.3	83°-	+7.4	+0.1		2,617.8		+8	-60	493,521	28341515				
TP ₁₃	343		205°20'37"		6.6	87°-	+18.0	+11.4		2,629.1	TP	+33	-341	493,546	28341234				
"			(275°34'31")		3.6	87°30'	+15.0	+11.4			TP								
TP ₁₀	-		000																
TP ₁₃	-		000		+5.1			+5.1	2,634.2		X	0	0	493,546	28341234				
299	48		143°03' (238°38')		4.8	91°49'	-1.5	-6.3		2,627.9		-25	-41	493,521	2834193				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-27-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		43			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Winchr. PK. 7.5		Wash		Pend Oreille								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
									2634.2						
TP ₁₄	298		152°23'36"		7.6	90-		-7.6		2626.6	TP	-112	-276	493,434	2833958
"	"		(247°58'07")		6.1	B.H.	-1.5	-7.6			TP				
TP ₃	=		000								π	0	0	493,434	2833958
TP ₁₄	=		000		+5.1			+5.1	2631.7		π	0	0	493,416	2833881
300	79		188°46'(256°44')		5.0	89°-	+1.4	-3.6		2,628.1		-18	-77	493,154	2833528
TP ₁₅	514		168°57'48"		4.9	87°30'	+22.4	+17.5			TP	-280	-430	493,154	2833528
"	"		(236°55'55")		4.8	272°30'	+22.4	+17.6		2,649.3	TP				
TP ₁₄	=		000								π	0	0	493,154	2833528
TP ₁₅	=		000		+5.05			+5.1	2654.4		π	0	0	493,237	2833610
301	117		347°47'(44°43')		9.1	90-		-9.1		2,645.3		+83	+82	493,016	2833371
302	209		171°40'(228°36')		6.1	87°-	+10.9	+4.8		2,659.2		-138	-157	492,874	2833252
TP ₁₆	394		167°39'08"		2.7	87°-	+20.6	+17.9		2,672.3	TP	-280	-276	492,874	2833252
"	"		(224°35'03")		9.6	86°-	+27.5	+17.9			TP				
TP ₁₅	=		000								π	0	0	492,874	2833252
TP ₁₆	=		000		+5.2			+5.2	2,677.5		π	0	0	492,930	2833098
303	164		245°20'(289°55')		6.5	88°-	+5.7	-0.8		2,676.7		+56	-154	493,041	2832790
304	491		245°20' (")		4.8	88°30'	+12.9	+8.1		2,685.6		+167	-462	493,054	2832757
TP ₁₇	527		245°21'25"		5.2	88°30'	+13.8	+8.6		2,686.1	TP	+180	-495	493,054	2832757
"	"		(289°56'28")		14.5	87°30'	+23.0	+8.5			TP				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
9-27-84		R. Krowbridge		B. Cotcamp		6834		B.C.		5		44		
AREA		TOPO. MAP		STATE		COUNTY		TWP		RANGE		PPM		
Washington		Winchstr. PK. 7.5		Wash.		Pend Oreille						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 ₁₆	—		000							2,686.1				
TP ₁₇	—		000	+5.1				+5.1	2,691.2		π	0	0	493,054 2832757
Y	177		188°51'22" (298°47'50")		5.7	90-		-5.7		2,685.5	Δ	+85	-155	493,139 2832602 1-493,175 x-2,852,435 1-Intersect El. 2687.0
TP ₁₈	234		183°56'14"		10.1	T.H.	+1.2	-8.9		2,682.3	TP	+95	-214	493,149 2832543
"	"		(293°52'42")		4.9	910-	-4.1	-9.0			TP			
TP ₁₉	—		000											
TP ₂₀	—		000	+5.05				+5.1	2,687.4		π	0	0	493,149 2832543
305	57		183°00' (291°53')		8.7	90-		-8.7		2,678.7		+26	-51	493,175 2832492
306	384		167°51' (281°44')		6.2	91-	-6.7	-12.9		2,674.5		+78	-376	493,227 2832161
TP ₁₉	546		167°25'35"		10.7	910-	-9.5	-20.2		2,667.2	TP	+107	-535	493,256 2832008
"			(281°18'17")		6.0	91°30'	-14.3	-20.3			TP			
TP ₁₈	—		000											
TP ₁₉	—		000	+5.05				+5.1	2,672.3		π	0	0	493,256 2832008
307	36		96°22' (197°40')		7.3	90-		-7.3		2,665.0	C.K.M.	-34	-11	493,222 2831997
307	137		99°19' (200°37')		8.0	88°-	+4.8	-3.2		2,669.1		-128	-48	493,128 2831960
TP ₂₀	269		56°48'01"		5.1	81°26'	+16.7	+11.6		2,683.9	TP	-249	+106	493,007 2832108
"			(158°06'18")		1.7	87°10'	+13.3	+11.6			TP			
TP ₁₉	—		000											
TP ₂₀	—		000	+5.0				+5.0	2,688.9		π	0	0	493,007 2832108

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NO. AS CHECKED BY		LINE NO.		PAGE			
9-27-84		R. Frowbridge		B. Cotcamp		6834		B.C.		5		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Winchr. PK. 7.5'		Wash.		Pend Oreille								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 π TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									2.688.9						
308	134		144°08' (122°14')		7.6	84° -	+14.0	+6.4		2,695.3		-71	+113	492,936	2832,221
309	462		136°48' (114°54')		6.5	85° -	+40.3	+33.8		2,722.7		-195	+419	492,812	2832,527
TP ₂₁	587	584.8	136°49'43"		12.6	85° -	+51.2	+38.6			TP	-247	+530	492,760	2832,638
"	"		(114°56'01")		5.7	85°40'	+44.4	+38.7		2,727.6	TP				
TP ₂₀	—		000												
TP ₂₁	—		000		+5.1			+5.1		2,732.7	π	0	0	492,760	2832,638
IF	28		328°14'30" (263°10'31")		7.2	89° -	+0.5	-6.7		2,726.0		-3	-28	492,757	2832,610 } y=492,710 x=2,832,610 } - Intersect
310	231		237°35' (172°31')		9.0	89° -	+4.0	-5.0		2,727.7		-229	+30	492,531	2832,668
TP ₂₂	418	RMT.	236°25'04"		5.9	88° -	+14.3	+8.4			TP	-406	+62	492,354	2832,700
"	"		(171°21'05")		1.1	88°40'	+9.6	+8.5		2,741.2	TP				
TP ₂₁	—		000												
TP ₂₂	—		000		+5.1			+5.1		2,746.3	π	0	0	492,354	2832,700
IF	149		225°55'00" (217°16'05")		8.3	86° -	+10.4	+2.1		2,748.4	IF	-118	-90	492,236	2832,610 } y=492,195 x=2,832,590 } - Intersect EL. 2751.6
311	163		229°45' (221°06')		8.1	86° -	+11.4	+3.3		2,749.6		+123	-107	492,231	2832,593
312	491		221°19' (212°40')		4.8	87°31'	+21.3	+16.5		2,762.8		-413	-265	491,941	2832,435
TP ₂₃	988	986.2	221°09'50"		7.1	86°30'	+60.3	+53.2			TP	-832	-530	491,522	2832,770
T"	"		(212°30'55")		6.9	273°30'	+60.3	+53.4		2,799.7	TP				
TP ₂₂			000												
TP ₂₃			000		+5.15	+5		+5.2		2,804.9	π	0	0	491,522	2832,770

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTE CHECKED BY		LINE NO.		PAGE			
9-27-84		R. Trowbridge		B. Cotcamp		6834		BC		5		46			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Winchstr. PK. 7.5		Wash.		Pend. Oreille								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
									2,804.9						
313	173		349°50' (22°21')		9.1	92°-	-6.0	-15.1		2789.8		+160	+66	491,682	2832236
314	172		208°47' (241°18')		5.8	84°-	+18.0	+12.2		2,817.1		-83	-151	491,439	2832619
TP ₂₄	337	335.8	207°10'46"		5.2	85°10'	+28.4	+23.2		2,828.1	TP	-169	-290	491,353	2831880
"	"		(239°41'41")		11.1	84°10'	+34.3	+23.2			TP				
TP ₂₃	—		000												
TP ₂₄	—		000		+5.1			+5.1	2,833.2		π	0	0	491,353	2831880
315	153		154°39' (214°21')		8.9	84°-	+16.0	+7.1		2,840.3		-126	-86	491,227	2831794
TP ₂₅	340	338.7	152°25'52"		3.4	85°-	+29.6	+26.2		2,859.4	TP	-287	-180	491,066	2831700
"	"		(212°07'33")		9.3	84°-	+35.5	+26.2			TP				
TP ₂₄	—		000												
TP ₂₅	—		000		+5.2			+5.2	2,864.6		π	0	0	491,066	2831700
316	153		226°34' (258°42')		7.7	86°-	+10.7	+3.0		2,867.6		-30	-150	491,036	2831550
317	32		007°41'54" (39°44'27")		4.8	96°40'	-3.7	-8.5		2,856.1	Scale	+24	+20	491,090	2831720
317	437		206°20' (238°28')		11.1	85°-	+38.1	+27.0		2,891.6		-229	-372	490,837	2831328
TP ₂₄	681	678.4	184°28'24"		8.3	85°-	+59.4	+51.1		2,915.7	TP	-545	-404	490,521	2831296
(318)	"		(216°35'57")		4.3	85°20'	+55.4	+51.1			TP				
TP ₂₅	—		000												
(318)	—		000		+5.05			+5.1	2,920.8		π	0	0	490,521	2831296
319	330		166°05' (202°41')		5.1	87°-	+17.3	+12.2		2,933.0		-304	-127	490,217	2831169

DATE		INSTRUMENT MAN		ROB MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-27-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Inchstr. PK 25		Wash		Pend Oreille								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 ₂₇	413		167°28'13"		4.5	87°-	+21.6	+17.1	2920.8	2937.9	TP	-377	-168	490,144	2831,128
"	"		(204°04'10")		11.7	86°-	+28.8	+17.1			TP				
TP ₂₆	—		000								TP				
TP ₂₇	—		000	+5.1				+5.1	2943.0		TP	0	0	490,144	2831,128
TP ₂₈	192		231°37'52"		4.2	88°-	+6.7	+2.5		2945.5	TP	-47	-186	490,097	2830,942
"	"		(255°42'02")		10.9	86°-	+13.4	+2.5			TP				
TP ₂₇	—		000								TP				
TP ₂₈	—		000	+5.15				+5.2	2950.7		TP	0	0	490,097	2830,942
320	71		222°27' (298°09')		5.1	88°-	+2.5	-2.6		2,948.1		+34	-63	490,131	2830,879
321	398		209°10' (284°52')		13.4	88°-	+13.9	+0.5		2,951.2		+102	-385	490,199	2830,557
TP ₂₉	543		209°12'58"		8.1	89°-	+9.5	+1.4		2,952.1	TP	+140	-525	490,237	2830,417
"	"		(284°54'00")		11.2	88°40'	+12.6	+1.4			TP				
TP ₂₈	—		000								TP				
TP ₂₉	—		000	+5.05				+5.1	2,957.2		TP	0	0	490,237	2830,417
322	157		190°38' (295°33')		11.3	89°-	+2.7	-8.6		2,948.6		+68	-142	490,305	2830,275
TP ₃₀	478	476.8	126°15'18"		12.5	86°-	+33.3	+20.8			TP	-299	-371	489,938	2830,046
"	"		(231°10'18")		9.7	86°20'	+30.6	+20.9		2,978.1	TP				
TP ₂₉	—		000								TP				
TP ₃₀	—		000	+4.75				+4.8	2,982.9		TP	0	0	489,938	2830,046
323	111		344°44' (35°54')		8.0	90°-		-8.0		2,974.9		+90	+65	490,028	2830,111

DATE		INSTRUMENT/MAN		ROB MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
9-27-84		R. Traubridge		B. Cotcamp		6834		B.C.		5		48							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington		Winchr. PK. 75		Wash.		Pend								L. Devils					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
324	241		236°06' (287°16')		5.8	T.H.	+1.2	-4.6	2,982.9										
TP ₃₁	403		237°37'28"		4.2	T.H.	+2.0	-2.0	}	2,978.3	TP	+72	-230	490,010	2829816				
"	"		(288°47'46")		9.2	89°-	+7.0	-2.2		-2.13	2,980.8	TP	+130	-382	490,068	2829664			
TP ₃₀	-		000						}										
TP ₃₁	-		000		+5.05			+5.1		2,985.9		TP	0	0	490,068	2829664			
TP ₃₁	19		345°42'18" (94°35'04")		5.5	90°-		-5.5		2,980.4	Δ	-2	+19	490,066	2829683				
325	171		199°45' (308°33')		8.0	88°-	+6.0	-2.0		2,983.9		+107	-134	490,175	2829530				
TP ₃₂	313		90°14'18"		8.8	88°-	+10.9	+2.1	}		TP	+152	-274	490,220	2829390				
"	"		(299°02'04")		3.3	89°-	+5.5	+2.2		2,988.1	TP								
TP ₃₁	-		000						}										
TP ₃₂	-		000		+5.0			+5.0		2,993.1		TP	0	0	490,220	2829390			
326	182		195°30' (314°32')		9.3	85°-	+15.9	+6.6		2,999.7		+128	-130	490,348	2829260				
TP ₃₃	268	267.0	195°22'17"		11.3	85°-	+23.4	+12.1	}		TP	+187	-191	490,407	2829199				
"	"		(314°24'21")		2.0	87°-	+14.0	+12.0			3,005.2	TP							
TP ₃₂	-		000						}										
TP ₃₃	-		000		+5.05			+5.1		3,010.3		TP	0	0	490,407	2829199			
327	225		142°42' (277°06')		4.8	85°49'	+16.4	+11.6		3021.9		+28	-223	490,435	2828976				
TP ₃₄	417	416.0	142°37'12"		2.2	86°-	+29.1	+26.9	}		TP	+51	-413	490,458	2828786				
"	"		(277°01'33')		9.5	85°-	+36.3	+26.8			3037.2	TP							

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NO. AS CHECKED BY		LINE NO.		PAGE			
9-29-84		R. Trowbridge		B. Colman		6834		B.C.		5		50			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Wichita Pk. 7.5		Wash		Kendall								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 -	EAST + WEST -		Y
LAT.	DEP.	Y	X												
TP ₀	-		000							3080.0					
TP ₁	-		000	+ 48			+4.8	3084.8			π	0	0	490,648	2828279
331	192		168°05' (171°28')		6.9	86° -	+13.4	+6.5		3091.3		-196	+28	490,458	2828307
TP ₂	276	275.3	168°02'36"		7.4	86° -	+19.3	+11.9		3096.7	TP	-272	+41	490,376	2828320
"	"		(171°25'06")		2.6	87° -	+14.4	+11.8			TP				
TP ₁	-		000												
TP ₂	-		000	+ 505			+5.1	3101.8			π	0	0	490,376	2828320
332	252		208°21' (199°46')		0.7	85° -	+22.0	+11.3		3113.1		-237	-85	490,139	2828235
TP ₃	384	383.1	207°44'26"		6.4	86° -	+26.8	+20.4		3122.2	TP	-362	-126	490,014	2828194
"	"		(199°09'32")		1.9	86°40'	+22.3	+20.4			TP				
TP ₂	-		000												
TP ₃	-		000	+ 505			+5.1	3127.3			π	0	0	490,014	2828194
TP ₄	371		255°13'24"		4.4	86°40'	+21.6	+17.2		3144.5	TP	+28	-369	490,042	2827825
"	"		(274°22'56")		5.5	86°30'	+22.7	+17.2			TP				
TP ₃	-		000												
TP ₄	-		000	+ 5.1			+5.1	3149.6			π	0	0	490,042	2827825
333	147		350°40' (85°03')		7.8	93° -	-7.7	-15.5		3134.1		+13	+146	490,055	2827971
334	161		112°52' (207°15')		6.4	86° -	+11.2	+4.8		3154.4		-143	-74	489,899	2827751
TP ₅	314		103°47'53"		4.4	87°20'	+14.6	+10.2		3159.8	TP	-298	-98	489,744	2827727
"	"		(198°10'49")		4.4	87°40'	+14.6	+10.2			TP				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
9-29-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5	51			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
Washington		Winchstr. Pk 7.5		Wash		Pend Oreille					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 ₃	—	—	000							3159.8				
TP ₄	—	—	000		+5.2			+5.2	3165.0		TP	0	0	489.744 2827727
335	173	—	178°46' (196°55')		9.6	92°-	-6.0	-15.6		3149.4		-165	-50	489.579 2827677
TP ₅	261	—	179°30'34"		9.7	92°-	-9.1	-18.8		3146.2	TP	-249	-79	489.495 2827648
"	"	—	(197°41'23")		5.1	93°-	-13.7	-18.8			TP			
TP ₄	—	—	000											
TP ₅	—	—	000		+5.1			+5.1	3151.3		TP	0	0	489.495 2827648
336	249	—	218°23' (236°04')		5.4	88°-	+8.7	+3.3		3154.6		-139	-207	489.356 2827441
TP ₆	488	—	218°25'52"		0.5	88°-	+17.0	+16.5		3167.8	TP	-272	-405	489.223 2827243
"	"	—	(236°07'15")		9.0	87°-	+25.5	+16.5			TP			
TP ₅	—	—	000											
TP ₅	—	—	000		+5.1			+5.1	3172.9		TP	0	0	489.223 2827243
337	88	—	168°00' (224°00')		5.4	89°-	+1.5	-3.9		3169.0		-63	-61	489.160 2825182
Sec line	33	—	168°00' 01°46'54" (57°51')		7.5	89°-	+0.6	-6.9		3166.0		+18	+28	489.241 2827271 # SECTION LINE
TP ₇	272	—	158°56'26"		3.9	88°-	+9.5	+5.6		3178.5	TP	-223	-156	489.000 2827087
"	"	—	(215°03'41")		8.7	87°-	+14.2	+5.5			TP			
TP ₆	—	—	000											
TP ₆	—	—	000		+5.1			+5.1	3183.6		TP	0	0	489.000 2827087
338	134	—	128°42' (163°46')		7.0	85°-	+11.7	+4.7		3188.3		-129	+37	488.871 2827124
El. Shot.	12	—	207°15' (242°19')		2.7	90°-		-2.7		3180.9				

DATE 9.29.84 INSTRUMENT MAN ~~B.E.~~ ROD MAN B. Cotcamp PARTY NUMBER 6834 NOTES CHECKED BY LINE NO. 5 PAGE 53

AREA WASH. TOPO MAP Winchester Pk. STATE WASH. COUNTY Penn Orelle TWP RANGE PPM PARTY MANAGER L.O.D.

STATION NO.	SLOPE 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	-		0° 00' 00"							3203.5				
TP ₂	-			+5.0	-			+5.0	3208.5		T	0	0	488.464 2,825.968
343	92		269° 48' (309° 03')		9.0	-		-9.0		3199.5		+58	-71	488.522 2,825.897
TP ₃	230		205° 04' 45"		13.2	-		-13.2		3195.3	TP	+130	-190	488.594 2,825.778
..	--		(304° 20' 05")		14.4	TH	+1.2	-13.2			TP			
TP ₂	-		0° 00' 00"											
TP ₃	-			+5.1	-			+5.1	3200.4		T	0	0	488.594 2,825.778
344	190		190° 19' (344° 31')		6.9	91°	-3.3	-10.2		3190.2		+131	-135	488.728 2,825.643
TP ₅	310		185° 44' 49"		2.2	92°	-10.8	-13.0		3187.4	TP	+199	-237	488.793 2,825.541
..	--		(310° 04' 54")		6.7	91° 10'	-6.3	-13.0			TP			
TP ₁₄	-		0° 00' 00"											
TP ₅	-			+5.1	-			+5.1	3192.5		T	0	0	488.793 2,825.541
345	206		146° 25' (276° 30')		4.8	91° 28'	-5.3	-10.1		3182.4		+23	-205	488.816 2,825.336
TP ₁₆	267		145° 40' 55"		6.6	-		-6.6		3185.9	TP	+27	-266	488.820 2,825.275
..	--		(275° 45' 59")		5.3	BH	-1.3	-6.6			TP			
TP ₁₅	-		0° 00' 00"											
TP ₁₆	-			+5.0	-			+5.0	3190.9		T	0	0	488.820 2,825.275
346	184		136° 15' 40" (232° 0129")		5.6	-		-5.6		3185.3	T	-113	-145	488.707 2,825.130 y-488.690 x-2825.200
346	270		132° 30' (228° 16')		7.5	89°	+4.7	-2.8		3188.1		-180	-201	488.640 2,825.074

DATE	9-29-84	INSTRUMENT MAN	R. Trowbridge	ROD MAN	B. Catcamp	PARTY NUMBER	6834	NO. CHECKED BY	LD B.C.	LINE NO.	5	PAGE	54	
AREA	Washington	TOPO MAR	Winchstr. Rk. 25	STATE	Wash	COUNTY	Pend Oreille	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	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									3190.9										
TP ₁₇	382		132°17'00"		6.7	89°20'	+4.4	-2.3	}	3188.6	TP	-255	-284	488,565	2,824,991				
"	"		(228°02'49")		5.6	89°30'	+3.3	-2.3								TP			
TP ₁₆	-		000						}	3193.5	TP	0	0	488,565	2,824,991				
TP ₁₅	-		000		4.85			+4.9								TP			
347	226		226°16' (274°49')		10.5	88°-	+7.9	-2.6	}	3190.9	TP	+17	-225	488,582	2,824,766				
TP ₁₈	446		226°16'27"		9.4	88°-	+15.6	+6.2								TP			
"	"		(274°19'16")		4.1	88°40'	+10.4	+6.3	}	3199.8	TP	+34	-444	488,599	2,824,547				
TP ₁₇	-		000													TP			
TP ₁₈	-		000						}	3204.8	TP	0	0	488,599	2,824,547				
TP ₁₈	-		000		+5.0			+5.0								TP			
348	130		348°29' (82°48'16")		7.1	90°-		-7.1	}	3197.7	TP	+5	+39	488,604	2,824,566				
TP ₁₉	268		235°12' (329°31')		10.3	90°-		-10.3								TP			
"	"		235°46'22"		2.4	93°-	-14.0	-16.4	}	3188.4	TP	+232	-133	488,831	2,824,414				
TP ₁₈	-		(330°05'38")		9.5	91°30'	-7.0	-16.5								TP			
TP ₁₉	-		000						}	3193.6	TP	0	0	488,831	2,824,414				
TP ₁₉	-		000		+5.15			+5.2								TP			
349	187		193°36' (343°42')		5.9	93°-	-9.8	-15.7	}	3177.9	TP	+179	-52	489,010	2,824,362				
350	515		188°49' (338°55')		12.7	93°-	-26.9	-39.6								TP			
TP ₂₀	844	842.5	187°27'20"		11.2	93°-	-44.2	-55.4	}	3177.9	TP	+779	-322	489,616	2,824,092				
(351)	"		(337°32'58")		11.1	267°-	-44.2	-55.3								TP			

x-488,580 y-2,824,605
y-intersect

DATE		INSTRUMENT MAN		ROB MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-27-84		R. Traubridge		B. Cotcamp		6834		B.C.		5		55			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Winestr. P.K. 45'		Wash		Pend. Oreille								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 (351)			000							3138.3					
352	330		000	+5.0			+5.0	3143.3			π	0	0	489.610	2824092
353	660		153°22' (310°55')		6.9	92°-	-11.5	-18.4		3124.9		+216	-249	489.826	2823843
TP ₂₁	739		" (")		7.5	92°-	-23.0	-30.5		3112.8		+432	-499	490.042	2823593
"	"		153°19'11"		7.9	92°-	-25.8	-33.7		3109.6	TP	+483	-559	490.093	2823533
"	"		(310°52'09')		7.9	268°-	-25.8	-33.7			TP				
TP ₂₀	—		000												
TP ₂₁	—		000	+5.05			+5.1	3114.7			π	0	0	490.093	2823533
354	243		132°37' (263°29')		7.8	92°-	-8.5	-16.3		3098.4		-28	-241	490.065	2823292
355	573		" (")		13.3	92°-	-20.0	-33.3		3081.4		-65	-569	490.028	2822964
TP ₂₂	728		132°29'17"		9.1	92°-	-25.4	-34.5			TP	-84	-723	490.009	2822810
"	"		(263°21'26")		4.8	92°20'	-29.6	-34.4		3080.3	TP				
TP ₂₁	—		000												
TP ₂₂	—		000	+4.9			+4.9	3085.2			π	0	0	490.009	2822810
C.K. Ring	77		101°15'05" (184°36'31')		5.0	90°-		-5.0		3080.2	Δ	-77	-6	489.932	2822804
356	188		108°18' (191°46')		6.1	89°-	+3.3	-2.8		3082.4		-184	-38	489.825	2822772
(F)	409		103°22'00" (186°33'26")		2.3	90°-		-2.3		3082.9		-406	-47	489.603	2822763
TP ₂₃	464		103°48'00"		2.3	90°-		-2.3		3082.9	TP	-460	-58	489.549	2822752
"	"		(187°09'26")		4.6	T.H.	+2.3	-2.3			TP				

5-489.985 x -2822.790
T-Intersect

DATE		INSURUMENT MAN		ROB MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
9-29-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		56			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Winchr. Pk. 7.5'		Wash		Pend Oreille								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 ₂₁	—		000							3082.9					
TP ₂₂	—		000		+5.0			+5.0	3087.9		X	0	0	489,519 2822752	
357	60		222°18' (225°28')		5.3	90-		-5.3		3082.6		-39	-46	489,510 2822706	
358	384		216°45' (223°54')		17.8	88°55'	+7.3	-10.5		3077.4		-277	-266	489,272 2822486	
359	675		207°39' (214°48')		9.9	90-		-9.9		3078.0		-554	-385	488,995 2822367	
TP ₂₃	869		204°36'51"		12.8	90-		-12.8			TP	-739	-458	488,810 2822294	
"	"		(211°46'17")		8.4	B.H.		-4.3		3075.2	TP				
TP ₂₂	—		000												
TP ₂₃	—		000		+5.1			+5.1	3080.3		X	0	0	488,810 2822294	
360	133		186°53' (218°39')		8.4	90-		-8.4		3071.9		-104	-83	488,706 2822211	
361	438		166°31' (198°17')		9.2	91°-	-7.6	-16.8		3063.5		-416	-137	488,394 2822157	
362	721		149°13' (180°59')		6.0	92°-	-25.2	-31.2		3049.1		-721	+12	488,089 2822282	
363	996		137°38' (169°24')		12.8	92°-	-34.7	-47.5		3032.8		-979	+183	487,831 2822477	
TP ₂₄	1245	1243.8	134°56'09"		6.3	92°30'	-54.3	-60.6			TP	-1210	+286	487,600 2822580	
"	"		(166°42'26")		5.8	267°30'	-54.3	-60.1	-60.33	3020.6	TP				
TP ₂₃	—		000												
TP ₂₄	—		000		+5.0			+5.0	3025.0		X	0	0	487,600 2822580	
364	78		235°30' (222°12')		8.6	90-		-8.6		3016.4		-58	-52	487,542 2822528	
TP ₂₅	270		239°34'44"		4.8	93°-	-14.1	-18.9		3006.1	TP	-186	-195	487,414 2822385	
"	"		(226°17'10")		14.2	91°-	-4.7	-18.9			TP				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
9-29-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		57		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Washington		Winchr. PK. 25'		Wash		Pend Oreille						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 ₂₄	—		000							3006.1				
TP ₂₅	—		000		+5.05			+5.1	3011.2		π	0	0	487.414 2822385
365	143		209°55' (256°12')		12.8	90°-		-12.8		2998.4		-34	-139	487.380 2822246
TP ₂₆	263		211°54'42" (258°11'52')		9.4	92°-	-9.2	-18.6		2992.6	TP	-54	-257	487.360 2822128
"					14.0	91°-	-4.6	-18.6			TP			
TP ₂₅	—		000											
TP ₂₆	—		000		+5.1			+5.1	2997.7		π	0	0	487.360 2822128
366	211		209°19' (281°31')		5.3	92°-	-7.4	-12.7		2985.0		+64	-201	487.424 2821927
TP ₂₇	337		209°15'42" (287°27'34')		5.6	92°-	-11.8	-17.4		2980.3	TP	+101	-321	487.461 2821807
"	"				11.5	91°-	-5.9	-17.4			TP			
TP ₂₆	—		000											
TP ₂₇	—		000		+4.95			+5.0	2985.3		π	0	0	487.461 2821807
367	188		119°29' (226°51')		7.3	93°-	-9.8	-17.1		2968.2		-128	-137	487.333 2821670
TP ₂₈	308		113°42'46" (221°10'20")		7.3	93°-	-16.1	-23.4		2961.9	TP	-232	-202	487.229 2821605
"	"				1.9	94°-	-21.5	-23.4			TP			
TP ₂₇	—		000											
TP ₂₈	—		000		+5.0			+5.0	2966.9		π	0	0	487.229 2821605
368	208		201°53' (243°03')		10.8	91°-	-3.6	-14.4		2952.5		-94	-185	487.135 2821420
369	534		200°50' (242°20')		10.1	90°20'	-3.1	-13.2		2953.7		-251	-471	486.978 2821134

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
9-29-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		59						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
Washington		Winchester PK 25		Wash		Pend Oreille								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 ₃₁	—		000							2957.8								
TP ₃₂	—		000		+5.1			+5.1	2962.9		X	0	0	485.674	2819971			
375	179		200°45' (266°44')		5.0	90-		-5.0	2957.9			-29	-177	485.669	2819794			
376	507		193°49' (253°48')		10.4	89°-	+8.9	-1.5	2961.4			-141	-487	485.553	2819484			
377	837		" (")		6.4	89°-	+14.6	+8.2	2971.1			-234	-804	485.460	2819162			
TP ₃₃	943		193°41'46"		6.5	89°-	+16.5	+10.0			TP	-265	-905	485.429	2819066			
"	—		(253°40'31")		6.2	271°-	+16.5	+10.3	+10.3	2973.1	TP							
TP ₃₂	—		000															
TP ₃₃	—		000		+4.95			+5.0	2978.1		X	0	0	485.429	2819066			
378	225		199°22' (273°03')		6.6	89°-	+3.9	-2.7	2975.4			+12	-225	485.441	2818841			
379	555		" (")		10.3	89°-	+9.7	-0.6	2977.5			+30	-554	485.459	2818562			
TP ₃₄	619		199°25'30"		2.1	T.H.	+3.1	+1.0	2979.1		TP	+33	-618	485.462	2818448			
"	"		(273°06'01")		9.8	89°-	+10.8	+1.0			TP							
TP ₃₃	—		000															
TP ₃₄	—		000		+5.05			+5.1	2984.2		X	0	0	485.462	2818448			
380	268		152°07' (245°13')		4.9	89°-	+4.7	-0.2	2984.0			-112	-243	485.350	2818205			
TP ₃₅	510		151°43'24"		51	89°-	+8.9	+3.8	2988.0		TP	-217	-461	485.245	2817987			
"			(244°49'25")		3.6	89°10'	+7.4	+3.8			TP							
TP ₃₄	—		000															
TP ₃₅	—		000		+5.05			+5.1	2993.1		X	0	0	485.245	2817987			

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NO. CHECKED BY		LINE NO.		PAGE			
9-29-84		R. Towbridge		B. Cotcamp		6834		B.P.		5		60			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Washtr. PK. 7.5'		Wash		Pend Oreille								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
									2993.1						
381	95		214°10' (228°59')		7.3	88 -	+3.3	-4.0		2989.1		+15	-94	485.260	2817893
TP ₃₆	225		205°24'54" (270°14'19")		8.5	88 -	+7.9	-0.6		2992.5		+1	-225	485.246	2817762
TP ₃₆	350		211°04'08" (275°53'33")		7.5	88 -	+12.2	+4.7		2997.8	TP	+36	-348	485.281	2817639
"					1.4	89 -	+6.1	+4.7			TP				
TP ₃₅	—		000												
TP ₃₆	—		000												
									3002.9		π	0	0	485.281	2817639
382	82		225°00' (320°59')		6.3	89 -	+1.4	-4.9		2998.0		+64	-52	485.345	2817587
383	409		215°47' (311°41')		9.3	89 -	+7.1	-2.2		3000.7		+272	-305	485.553	2817334
TP ₃₇	340		214°46'33" (310°40'06")		9.3	89 -	+5.9	-3.4		2999.5	TP	+222	-258	485.503	2817381
"	"				3.4	90 -		-3.4			TP				
TP ₃₆	—		000												
TP ₃₇	—		000												
									3004.6		π	0	0	485.503	2817351
384	399		188°52' (319°32')		6.2	89 -	+7.0	+0.8		3005.4		+304	-259	485.807	2817122
TP ₃₈	492		186°11'36" (316°51'42")		5.7	89 -	+8.6	+2.9		3007.5	TP	+359	-336	485.862	2817045
"					4.3	89 -	+7.2	+2.9			TP				
TP ₃₇	—		000												
TP ₃₈	—		000												
									3012.6		π	0	0	485.862	2817045
385	231		165°50' (302°42')		7.4 ⁽⁵⁴⁾	89 -	+4.0	-1.4		3011.2		+125	-194	485.987	2816854
Sec Line	94		169°41'42" (306°33'24")		4.6	89 -	+1.6	-3.0		3009.6		+56	-76	485.918	2816969

y - 485.215 x - 2.817, 715
y - Intersect

y - 485.925 x - 2.816, 900
Section Line

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NO. CHECKED BY		LINE NO.		PAGE		
9-29-84		R. Krowbridge		B. Cotcamp		6834		B.C.		5		61		
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		
Washington		Winchester Mtn.		Wash		Peru/Oselle						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 ₃₉	367		163°28'18"		6.0	89°-	+6.4	+0.4	3012.6					
"	"		(300°19'60")		12.4	88°-	+12.8	+0.4		3013.0	TP	+185	-317	486,046 2816,728
TP ₃₈	—		000								TP	-1		
TP ₃₇	—		000								π	0	0	486,046 2816,728
386	193		209°33'(329°53')		3.3	90°-		-3.3		3014.8		+167	-97	486,213 2816,131
387	523		" (")		5.1	T.H.	+2.6	-2.5		3015.6		+452	-262	486,498 2816,466
TP ₄₀	572		207°38'42"		3.3	90°-		-3.3		3014.8	TP	+485	-303	486,530 2816,425
"			(327°58'42")		6.2	T.H.	+2.9	-3.3			TP	-1		
TP ₃₉	—		000											
TP ₄₀	—		000								π	0	0	486,530 2816,425
TP ₄₁	249		152°31'04"		5.7	89°-	+4.3	-1.4	3019.8		TP	+126	-215	486,655 2816,210
"	"		(300°29'46")		1.4	90°-		-1.4		3018.4	TP	-1		
TP ₄₀	—		000											
TP ₄₁	—		000								π	0	0	486,655 2816,210
388	29		249°01'(69°31')		5.4	90°-		-5.4		3018.0		+29	+5	486,684 2816,215
389	353		230°02'(350°32')		4.8	T.H.	+1.8	-3.0		3020.4		+348	-58	487,003 2816,210
TP ₄₂	415		228°34'56"		2.6	T.H.	+2.1	-0.5		3022.9	TP	+407	-79	487,061 2816,131
"	"		(349°04'42")		15.0	88°-	+14.5	-0.5			TP	-1		
TP ₄₁			000											
TP ₄₂			000								π	0	0	487,061 2816,131
					+5.05			+5.1	3028.0					

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-29-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		62			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Winchestr. Pk. 25'		Wash		Pend Oreille								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
									3028.0						
390	275		90°31' (259°36')		9.1	88° -	+9.6	+0.5		3028.5		-50	-270	487.011	2815861
TP ₄₃	291		89°26'20"		9.6	88° -	+10.2	+0.6		3028.6	TP	-58	-285	487.002	2815846
"	"		(258°31'02")		4.5	89° -	+5.1	+0.6			TP	-			
TP ₄₂	—		000												
TP ₄₃	—		000	+5.0				+5.0	3033.6		TP	0	0	487.002	2815846
TP ₄₄	309		145°26'57"		3.8	89° -	+5.4	+1.6		3035.2	TP	-222	-214	486.779	2815632
"	—		(223°57'59")		9.2	88° -	+10.8	+1.6			TP	-			
TP ₄₃	—		000												
TP ₄₄	—		000	+4.85				+4.9	3040.1		TP	0	0	486.779	2815632
391	28		297°24' (341°22')		5.8	90° -		-5.8		3034.3		+27	-9	486.806	2815623
TP ₄₅	202		266°34'13"		3.6	90° -		-3.6		3036.5	TP	+131	-154	486.909	2815478
TP ₄₅	"		(310°32'12")		4.6	T.H.	+1.0	-3.6			TP	-			
TP ₄₄	—		000												
TP ₄₅	—		000	+4.95				+5.0	3041.5		TP	0	0	486.909	2815478
392	157		213°03' (343°35')		7.2	89° -	+2.7	-4.5		3037.0		+151	-44	487.060	2815434
TP ₄₆	263		213°43'18"		6.8	89° -	+4.6	-2.2		3039.3	TP	+253	-71	487.161	2815407
"	—		(344°15'30")		2.3	90° -		-2.3			TP	-			
TP ₄₅	—		000												
TP ₄₆	—		000	+4.85				+4.9	3044.2		TP	0	0	487.161	2815407

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
9-29-84		R. Trowbridge		B. Cotcamio		6834		B.C.		5	63						
AREA		TOPO MAR	STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER									
Washington		Winchstr PK. 7.5	Wash	Perd Breille				L. Davis									
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
									3044.2								
393	230		210°21' (14°35')		8.2	89°-	+4.0	-4.2		3040.0		+223	+58	487.384	2815465		
TP ₁	451		210°26'28"		0.6	90°-		-0.6			TP	+436	+114	487.596	2815521		
"	"		(574°41'58")		2.8	T.H.	+2.3	-0.5		3043.7	TP	-					
TP ₄₆	—		000								TP						
TP ₁	—		000	+5.05				+5.1	3048.8		TP	0	0	487.596	2815521		
394	103		88° 136°13' (336°55')		4.8	88°56'	+1.9	-2.9		3045.9		+90	-50	487.686	2815401		
TP ₂	179		121°59'36"		3.6	89°-	+3.1	-0.5		3048.3	TP	+130	-123	487.725	2815398		
"	"		(316°41'34")		6.7	88°-	+6.2	-0.5			TP	-					
TP ₁	—		000								TP						
TP ₂	—		000	+4.95				+5.0	3053.3		TP	0	0	487.725	2815398		
395	237		122°33' (259°14'34")		4.8	91°10'	-4.8	-9.6		3043.7	Cr. King	-44	-233	487.681	2815165	y = 487.685 x = 2815.200 # creek crossing	
TP ₃	245		118°24'12"		4.7	91°10'	-5.0	-9.7		3043.6	TPV	-63	-237	487.661	2815161	Corrected by	
"	"		(254°59'57")		9.7	90°-		-9.7			TP	-				Sun Shot	
TP ₅₅	94		141°52'38"		1.8	90°-		-1.8		3051.5						TP @ TP ₅₅ for Sun Shot	

DATE: 10-1-84
 INSTRUMENT MAN: R. Brown
 ROD MAN: B. Cotaamp
 PARTY NUMBER: 6834
 NOTES CHECKED BY: B.C.
 LINE NO.: 5
 PAGE: 64
 AREA: Washington
 TOPO MAP: Winchstr. PK. 75
 STATE: Wash
 COUNTY: Pencil Oreille
 TWP: [blank]
 RANGE: [blank]
 PPM: [blank]
 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 ₂	—		000							3043.6				
TP ₃	—		000		+5.0			+5.0	3048.6		X	0	0	487.661 281516.1
TP ₄	197		170°19'08"	4.7	90-			-4.7		3043.9	TP	-82	-179	487.578 2814982
"	"		(245°23'20")		5.7	T.H.	+1.0	-4.7			TP	-1		
TP ₃	—		000											
TP ₄	—		000		+5.05			+5.1	3049.6		X	0	0	487.578 2814982
396	126		213°52'(279°15')		8.5	91°-	-2.2	-10.7		3038.3		+20	-124	487.598 2814858
TP ₅	304		207°40'30"		13.3	91°-	-5.3	-18.6			TP	+16	-304	487.593 2814678
"	"		(273°03'50")		2.9	92°-	-10.6	-18.5		3030.5	TP	-1		
TP ₄	—													
TP ₅	—				+5.0			+5.0	3035.5		X	0	0	487.593 2814678
397	141		150°57'(244°01')		7.3	89°-	+2.5	-4.8		3030.7		-62	-127	487.531 2814551
14	212		149°27'15"(242°31'05')		7.9	89°-	+3.7	-4.2		3031.3		-98	-188	487.495 2814490
398	471		150°57'(244°01')		10.3	89°-	+8.2	-2.1		3033.4		-206	-423	487.387 2814255
14	808		150°21'56"(243°25'46')		13.3	89°-	+14.1	+0.8		3036.3	X	-361	-723	487.232 2813955
399	799		150°57'(244°01')		13.3	89°-	+14.0	+0.7		3036.2		-350	-718	487.243 2813960
TP ₆	1079		150°37'36"		11.9	89°-	+18.9	+7.0		3042.5	TP	-478	-967	487.114 2813711
"	"		(243°41'26")		2.4	89°30'	+9.4	+7.0			TP	-1		
TP ₅	—		000											
TP ₆	—		000		+5.05			+5.1	3047.6		X	0	0	487.114 2813701

x = 487,500
y = intersect

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
10-1-84		R. J. Row bridge		B. Colacino		6834		B.P.		5		65							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington		Windt. PK		Wash		Pend Oreille								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				
									3047.6										
400	39		234°50'54" (298°32'20")		3.6	90° -		-3.6		3044.0		+19	-34	487.133	281367				3-487.100 X-2813.710 T-Intersect. El. 3045.0
TR 400	69		243°18' (306°59')		6.5	87° -	+3.6	-2.9		3044.7		+42	-55	487.156	2813656				
TR 401	397	396.0	243°30'55" (307°12'21")		7.4	86° -	+27.7	+20.3			TP	+239	-315	487.352	2813316				
TP 401	"		000		2.7	86°40'	+23.1	+20.4		3068.0	TP	-1							
TP 401	"		000		+5.1			+5.1	3073.1		TP	0	0	487.352	2813396				
TR 402	329		163°42'41" (290°55'02")		8.3	87° -	+17.2	+8.9		3082.0	TP	+117	-307	487.468	2813089				
TP 402	"		000		2.6	88° -	+11.5	+8.9			TP	-1							
TP 402	"		000		+5.1			+5.1	3087.1		TP	0	0	487.468	2813089				
TR 403	329		171°47' (282°42')		8.9	89° -	+5.7	-3.2		3083.9		+72	-321	487.540	2812768				
TR 403	701		169°22'07" (286°17'09')		4.7	89°46'	+2.9	-1.8			TP	+125	-690	487.592	2812349				
TP 403	"		000		4.0	270°12'	+2.5	-1.5	-1.6	3085.5	TP	-1							
TP 403	"		000		+5.0			+5.0	3090.5		TP	0	0	487.592	2812349				
TR 404	47		331°56' (72°13')		5.8	88° -	+1.6	-4.2		3086.3		+14	+45	487.606	2812444				
TR 404	218		178°11'00" (278°28'09')		9.6	90° -		-9.6		3080.9	TP	+32	-216	487.623	2812183				
TP 404	"		000		8.5	B.H.	-1.1	-9.6			TP	-1							
TP 404	"		000		+5.1			+5.1	3086.0		TP	0	0	487.623	2812183				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
10-1-84		R. Trowbridge		B. Cotcamp		6834				5		66							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
WASH.		Winchester Peak		WASH		Pend Oreille Stearns								L.O.O					
STATION NO.	SLOPE DISTANCE	PLOTTING 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				
									3086.0										
405	67		197° 35' (296° 03')		6.3	89°	+1.2	-5.1		3080.9		+29	-60	487,652	2,812,123				
TP ₉	355		199° 21' 49"		7.5	87°	+18.6	+11.1	}	3097.1	TP	+166	-313	487,788	2,811,870				
--	--		(297° 55' 58')		1.3	88°	+12.4	+11.1				TP	-						
TP ₈	-		0° 00' 00"						}										
TP ₉	-				+5.15	Hi		+5.2		3102.3		X	0	0	487,788	2,811,870			
406	39		166° 15' (284° 11')		6.1	85°	+34	-2.7		3099.6		+10	-38	487,798	2,811,832				
sec. line	333		158° 25' 46" (226° 2' 44')		7.9	87°	+17.4	+9.5		3111.8	Δ	+37	-331	487,825	2,811,539				
407	368		159° 15' 58"		8.2	87°	+19.3	+11.1	}	3113.4	TP	+46	-365	487,833	2,811,505				
407	--		(217° 11' 56')		1.8	88°	+12.8	+11.0				TP	-						
TP ₉	-		0° 00' 00"						}										
407	-				+4.95			+5.0		3118.4		X	0	0	487,833	2,811,505			
408	330		169° 55' (267° 07')		9.1	87°	+17.3	+8.2		3126.6		-17	-330	487,816	2,811,175				
409	660		169° 55' (267° 07')		13.0	87° 50'	+25.0	+12.0		3130.4		-33	-659	487,800	2,810,846				
TP ₁₁	758		170° 06' 00"		14.3	88°	+26.5	+12.2	}	3130.7	TP	-36	-757	487,796	2,810,748				
--	--		(267° 11' 56')		14.2	272°	+26.5	+12.3				TP	-						
TP ₁₀	-		0° 00' 00"						}										
TP ₁₁	-				+5.1	Hi		+5.1		3135.8		X	0	0	487,796	2,810,748			
410	228		167° 06' (254° 24')		5.4	-		-5.4		3130.4		-61	-220	487,735	2,810,528				
TP ₁₂	615		165° 07' 43"		10.8	89°	+10.7	-0.1	}	3135.	TP	-186	-586	487,609	2,810,162				
--	--		(252° 25' 39')		9.0	89° 10'	+9.0	±0.0			3135.8	TP	-						

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-1-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		67			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Goddards Pk. 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 -	EAST + WEST -		Y
TP ₂	0				+5.0	-		+5.0	3140.8	3135.8	TP	0	0	487.609	2810162
411	67		65°10' (77°36')		6.8	90-		-6.8		3134.0		+14	+65	487.623	2810227
412	276		238°16' (310°42')		4.4	T.H.	+1.4	-3.0		3137.8		+180	-209	487.789	2809953
413	605		238°55' (310°21')		1.8	89°20'	+7.0	-4.8		3136.0		+400	-454	488.009	2809708
414	934		238°16' (310°42')		10.5	89°20'	+10.9	+0.4		3141.2		+609	-708	488.218	2809459
TP ₃	1137		238°15'13"		6.0	89°30'	+9.9	+3.9			TP	+741	-862	488.349	2809300
"	"		(310°40'52")		5.9	270°30'	+9.9	+4.0		3144.8	TP	-1			
TP ₂	—		000												
TP ₃	—		000		+5.05			+5.1	3149.9		TP	0	0	488.349	2809300
415	128		201°13' (331°54')		7.4	89°-	+2.2	-5.2		3144.7		+113	-60	488.462	2809240
416	454		204°00' (334°41')		10.8	89°-	+7.9	-2.9		3147.0		+410	-194	488.759	2809106
TP ₄	590		200°47'16"		4.0	T.H.	+3.0	-1.0		3148.9	TP	+518	-282	488.866	2809018
"	"		(331°28'08")		11.3	89°-	+10.3	-1.0			TP	-1			
TP ₃	—		000												
TP ₄	—		000		+5.05			+5.1	3154.0		TP	0	0	488.866	2809018
417	186		147°37' (299°55')		7.5	88°-	+6.5	-1.0		3153.0		+96	-163	488.956	2808855
TP ₅	310		138°07'38"		7.3	88°-	+10.8	+3.5			TP	+104	-292	488.969	2808726
"	"		(289°35'46")		1.8	89°-	+5.4	+3.6		3157.6	TP	-1			
TP ₄	—		000												
TP ₅	—		000		+5.2			+5.2	3162.8		TP	0	0	488.969	2808726

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-1-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		68			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Goddards Peak		Wash		Sterens								L. Lewis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									3162.8						
418	199		165°27' (275°03')		6.4	88° -	+6.9	+0.5		3163.3		+18	-198	488.787	2805.578
419	529		" { " }		8.7	88° -	+18.5	+9.8		3172.6		+47	-527	489.016	2808.199
420	859		" { " }		10.8	88° -	+30.0	+19.2		3182.0		+76	-856	489.045	2807.870
TP ₁₆	973		165°36'48" (275°12'34")		10.6	88° -	+34.0	+23.4	} +23.53	3186.3	TP	+88	-968	489.056	2807.758
"	"				10.4	272	+34.0	+23.6			TP	-1			
TP ₁₅	"		000						} 3191.5		X	0	0	489.056	2807.758
TP ₁₆	"		000					+5.2							
421	221		224°00' (319°13')		7.7	88° -	+7.7	+0.0		3191.5		+167	-144	489.223	2807.614
Criking	222		220°32'54" (315°45'28")		7.7	88° -	+7.7	±0.0		3191.5		+159	-155	489.215	2807.031
422	552		224°18' (319°31')		8.1	88° -	+19.3	+11.2		3202.7		+420	-358	489.476	2807.900
423	877		222°35' (317°48')		6.2	88° -	+30.6	+24.4		3215.9		+650	-589	489.706	2807.169
TP ₁₇	917		221°29'46" (316°42'20")		7.3	88° -	+32.0	+24.7	}		TP	+667	-628	489.722	2807.130
"	"				7.2	272	+32.0	+24.8			TP	-1			
TP ₁₆	"		000						} 3221.5		X	0	0	489.722	2807.130
TP ₁₉	"		000					+5.2							
424	288		174°53' (311°35')		9.2	87° -	+15.1	+5.9		3227.4		+191	-215	489.913	2806.915
TP ₁₈	539		171°18'42" (308°01'02")		12.7	87° -	+28.2	+15.5	}	3237.0	TP	+332	-424	490.053	2806.706
"	"				3.3	88° -	+18.8	+15.5			TP	-1			
TP ₁₉	"		000						} 3242.1		X	0	0	490.053	2806.706
TP ₁₈	"		000					+5.1							

g-489.215 x 2.807.550
creek crossing

DATE		INSTRUMENT MAN		ROB MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
10-18-84		R. Townbridge		B. Cotnam		6834		JD		B.C.		5 69			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Goldbluffs Pk 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
									3242.1						
425	77		115°16' (293°17')		5.7	88°-	+2.7	-3.0		3239.1		+30	-71	490.083	2806635
426	399		144°10' (272°11')		10.4	88°-	+13.9	+3.5		3245.6		+15	-399	490.068	2806307
TP ₁₉	660		140°41'19"		12.0	88°-	+23.0	+11.0		3253.1	TP	-15	-659	490.057	2806047
"	"		(268°42'21")		0.5	89°-	+11.5	+11.0			TP	-1			
TP ₁₈	—		000												
TP ₁₉	—		000												
					+5.0					3258.1	π	0	0	490.037	2806047
427	80		220°11" (308°53')		4.8	89°-	+1.4	-3.4		3254.7		+50	-62	490.087	2805985
ff-	54		215°28'48" (304°11'09")		4.8	88°52'	+1.1	-3.7		3254.4	Δ	+30	-45	490.067	2806002 # section line
428	408		213°30' (302°12')		7.0	89°-	+21.4	+14.4		3272.5		+217	-345	490.254	2805902
429	736		210°17' (298°59')		11.8	86°-	+51.4	+39.6		3297.7		+357	-644	490.394	2805403
TP ₂₀	888	885.8	210°50'48"		14.5	86°-	+62.0	+47.5			TP	+437	-771	490.473	2805276
"	"		(299°33'09")		14.4	274°-	+62.0	+47.6		3305.7	TP	-1			
TP ₁₉	—		000												
TP ₂₀	—		000												
					+5.1					3310.8	π	0	0	490.473	2805276
430	177		210°39' (330°12')		9.8	88°-	+6.2	-3.6		3307.2		+154	-88	490.627	2805188
Crk. Xing	289		207°26'48" (326°59'57")		12.8	88°-	+10.1	-2.7		3308.1	Δ	+242	-157	490.715	2805119
431	499		202°27' (322°00')		12.4	88°-	+17.4	+5.0		3315.8		+393	-307	490.866	2804969
TP ₂₁	541		199°35'57"		11.9	88°-	+18.9	+7.0		3317.8	TP	+409	-354	490.881	2804922
"			(319°09'06")		2.4	89°-	+9.4	+7.0			TP	-1			

DATE		INSTRUMENT/MAN		ROD/MAN		PARTY NUMBER		CHECKED BY		LINE NO.		PAGE		
10-1-84		R. Trowbridge		B. Cottramp		6834		B.C.		5		70		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Washington		Godbirds Pk. 45'		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 ₂₀	—		000							3317.8				
432	279		134°04' (213°13')		6.3	88° -	+9.7	+3.4	3322.9		π	0	0	490.881 2804.922
TP ₂₂	546		134°10'50" (273°19'56")		6.9	88° -	+19.1	+12.2		3326.3			+16	-279
"	"				2.1	88°30'	+14.3	+12.2		3335.1	TP	+32	-545	490.912 2804.377
TP ₂₁	—		000											
TP ₂₂	—		000						3340.0		π	0	0	490.912 2804.357
433	51		178°21' (211°41')		5.8	86° -	+3.6	-2.2		3337.8			+2	-51
434	348		128°13' (216°33')		6.9	87° -	+18.2	+11.3		3351.3		-280	-207	490.632 2804.150
TP ₂₃	418	417.0	124°20'18" (217°40'14")		10.8	86° -	+29.2	+18.4	3358.4		TP	-330	-255	490.581 2804.122
"	"				9.6	86°10'	+27.9	+18.3				TP	-1	
TP ₂₂	—		000											
TP ₂₃	—		000						3363.5		π	0	0	490.581 2804.122
TP ₂₄	221		248°33'40" (286°13'54")		2.8	88° -	+7.7	+4.9		3368.4		TP	+61	-212
"	"				0.9	88°30'	+5.8	+4.9			TP	-1		
TP ₂₃	—		000											
TP ₂₄	—		000						3373.5		π	0	0	490.641 2803.910
435	55		203°34' (309°48')		7.4	86° -	+3.8	-3.6		3369.9			+35	-42
436	385		" "		11.5	87° -	+20.2	+8.7		3382.2		+246	-296	490.887 2803.614
437	702		197°02' (303°16')		9.9	85°30'	+55.1	+45.2		3418.7		+365	-587	491.026 2803.323

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NO. CHECKED BY		LINE NO.		PAGE			
10-1-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		71			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Goodlands PK. 7.5		Wash		Stevens								L. Lewis	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									3373.5						
TP ₂₅	877	874.3	196°11'20"		11.9	85°30'	+68.8	+56.9			TP	+469	-738	491,109	2803172
"	"	"	(302°25'14")		9.3	85°40'	+66.3	+57.0			TP	-1			
TP ₂₄	—	—	000								TP				
TP ₂₅	—	—	000								TP				
438	154		181°40' (304°05')		7.4	88° -	+5.4	-2.0		3433.7		+86	-128	491,195	2803044
439	484		" (")		10.4	88° -	+16.9	+6.5				3442.2		+271	-401
TP ₂₆	582		184°30'07"		7.7	88° -	+20.3	+12.6		3448.3	TP	+349	-465	491,457	2802702
"	"		(306°55'21")		14.5	87°20'	+27.1	+12.6			TP	-1			
TP ₂₅	—	—	000								TP				
TP ₂₆	—	—	000								TP				
436	186		195°57'02" (322°52')		5.0	87° -	+9.7	+4.7		3458.0	Δ	+148	-112	491,605	2802595
440	237		199°57' (326°52')		5.5	87° -	+12.4	+6.9				3460.2		+198	-130
TP ₂₇	391		192°21'00"		6.4	87° -	+20.5	+14.1			TP	+296	-255	491,752	2802452
"	"		(319°16'21")		2.9	87°30'	+17.1	+14.2			TP	-1			
TP ₂₆	—	—	000								TP				
TP ₂₇	—	—	000								TP				
441	159		136°10' (275°26')		7.1	88° -	+5.5	-1.6		3471.0		+15	-158	491,767	2802094
TP ₁	283		132°16'40"		5.7	88° -	+9.9	+4.2				3476.8	TP	+7	-283
"	"		(271°28'21")		3.2	88°30'	+7.4	+4.2			TP	-1			

491,605 x -2, 802,540
T-intersect

Sun shot
Taken

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-2-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		72			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Goodrich RK 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
TP ₃₆	—		000							3476.8					
TP ₁	—		000		+4.95			+5.0	3481.8		X	0	0	491,758 2802169	
442	205		162°53'(254°21')		7.0	87°20'	+9.5	+2.5		3484.3		-55	-197	491,703 201972	
443	530		155°37'(247°05')		8.9	87°—	+27.7	+18.8		3500.6		-206	-468	491,552 2801681	
TP ₂	620	619.2	155°51'53"		9.6	87°—	+32.5	+22.9		3504.6	TP	-239	-571	491,518 2801598	
"	"		(247°20'20")		4.3	87°30'	+27.0	+22.7	+22.8		TP	-1			
TP ₁	—		000												
TP ₂	—		000		+4.95			+5.0	3509.6		X	0	0	491,518 2801598	
444	250		226°23'(313°43')		8.6	87°—	+13.1	+4.5		3514.1		+101	-229	491,619 2801369	
TP ₃	271		227°23'31"		9.5	87°—	+14.2	+4.7		3514.3	TP	+113	-246	491,630 2801352	
"	"		(294°43'57")		4.8	88°—	+9.5	+4.7			TP	-1			
TP ₁	—		000												
TP ₂	—		000		+5.1			+5.1	3519.4		X	0	0	491,630 2801352	
445	306		194°26'(304°10')		8.4	87°—	+16.0	+7.6		3527.0		+193	-237	491,823 2801115	
TP ₄	285		190°00'59"		9.0	87°—	+14.9	+5.9		3525.3	TP	+162	-234	491,791 2801118	
"	"		(304°44'56")		4.0	88°—	+9.9	+5.9			TP	-1			
TP ₁	—		000												
TP ₂	—		000		+5.0			+5.0	3530.3		X	0	0	491,791 2801118	
TP ₅	335		159°00'06"		8.4	87°—	+17.5	+9.1		3539.4	TP	+80	-325	491,870 2806993	
446	"		(283°45'02")		2.6	88°—	+11.7	+9.1			TP	-1			

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
10-2-84						6834		B.C.		5		73							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington		Goodlands PK 75		Wash		Stevens								L. J. GULLS					
STATION NO.	SLOPE DISTANCE	PLOTTING 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 ₄	—	—	000																
TP ₅	—	—	000		+5.0			+5.0	3544.4	3539.4	Λ	0	0	491,870	2860793				
447	330		201°23' (305°08')		8.1	87° -	+17.3	+9.2		3553.6		+190	-270	492,060	2860523				
TP ₆	418		*201°49'36"		9.4	87° -	+21.9	+12.5		3556.9	TP	+243	-340	492,112	2860453				
"	"		(305°31'38")		2.1	88° -	+14.6	+12.5			TP	-1							
TP ₅	—	—	000																
TP ₆	—	—	000		+5.1			+5.1	3562.0		π	0	0	492,112	2800453				
448	223		150°10' (275°45')		2.1	88° -	+7.8	+0.7		3562.7		+22	-222	492,134	2800231				
TP ₇	418		146°34'00"		10.8	88° -	+14.6	+4.6		3566.6	TP	+16	-417	492,127	2800036				
"	"		(272°08'38")		3.9	88°50'	+8.5	+4.6			TP	-1							
TP ₇	—	—	000																
TP ₈	—	—	000		+5.1			+5.1	3571.7		π	0	0	492,127	2800036				
Cr. Crossing	28		175°06' (267°14'38")		6.4	86° -	+2.0	-4.4		3567.3	Δ	-1	-28	492,126	2800008	#			
449	127		210°47' (302°36')		8.3	86° -	+8.9	+0.6		3572.3		+69	-107	492,196	2799929				
450	457	455.9	211°25'32"		13.8	86° -	+31.9	+18.1		3589.8	TP	+252	-380	492,378	2799656	13.8			
TP ₈	"		(303°34'10")		5.8	87° -	+23.9	+18.1			TP	-1							
TP ₈	—	—	000																
TP ₈	—	—	000		+5.1			+5.1	3594.9		π	0	0	492,378	2799656				
451	327		169°53' (293°27')		8.5	86° -	+22.8	+14.3		3609.2		+130	-300	492,508	2799356				
452	656		166°53' (290°27')		8.9	86° -	+45.8	+36.9		3631.8		+229	-615	492,607	2799041				
TP ₉	834	832.0	166°15'54"		11.6	86° -	+58.2	+46.6		3641.5	TP	+282	-783	492,659	2798803				
"	"		(289°50'04")		9.2	86°10'	+55.8	+46.6			TP	-1							

492,100 x -2,800,000
creek crossing

DATE		INSTRUMENT MAN		ROB MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
10-2-84		R. Tronbridge		B. Cotcamp		6834		B.C.		5		74							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington		Gardners Pk 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				
TP ₈	—		000							3641.5									
TP ₉	—		000		+5.1			+5.1	3646.6		π	0	0	492,659	2798603				
453	172		224°33' (334°20')		9.2	87° -	+9.0	-0.2		3646.4		+155	-74	492,814	2798799				
Crk Xing	131		218°12' (328°02'04")		4.8	88°53'	+2.6	-2.2		3644.4	Δ	+111	-69	492,776	2798,809	#	492,770	x=2,798,805	CREEK CROSSING
454	499		238°34' (338°24')		11.0	86° -	+34.8	+23.8		3670.4		+464	-184	493,123	2798,689				
TP ₁₀	597	595.6	225°53'07"		11.3	86° -	+41.7	+30.4			TP	+543	-245	493,202	2798,628				
"	"		(335°43'11")		7.7	86°20'	+38.2	+30.5		3677.1	TP								
TP ₉	—		000																
TP ₁₀	—		000		+5.1			+5.1	3682.2		π	0	0	493,202	2798,628				
455	229		163°34' (319°17')		6.1	86° -	+16.0	+9.9		3692.1		+174	-149	493,376	2798,474				
TP ₁₁	499	497.8	157°13'24"		4.1	86° -	+34.8	+30.7			TP	+339	-364	493,541	2798,265				
"	"		(312°56'35")		5.5	85°50'	+36.3	+30.8		3713.0	TP		+1						
TP ₁₀	—		000																
TP ₁₁	—		000		+5.2			+5.2	3718.2		π	0	0	493,541	2798,265				
456	57		147°18' (280°15')		6.8	84° -	+6.0	-0.8		3717.4		+10	-56	493,551	2798,209				
TP ₁₂	349		134°33'24"		3.5	87° -	+18.3	+14.8		3733.0	TP	-15	-348	493,526	2797,918				
"	"		(267°29'59")		9.6	86° -	+24.3	+14.7			TP		"						
TP ₁₁	—		000																
TP ₁₂	—		000		+5.15			+5.2	3738.2		π	0	0	493,526	2797,918				

HORIZ. -46 CORR. x 726

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-2-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Goodbirds PK. 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
									3738.2						
457	34		166°41' (254°11')		7.7	84° -	+3.6	-4.1		3734.1		-9	-33	493.517	2797885
458	364		" "		7.7	87° -	+19.1	+11.4		3749.6		-99	-350	493.427	2797568
TP ₃	677	676.1	163°20'35"		11.8	87° -	+35.4	+23.6			TP	-222	-639	493.304	2797280
"	"		(250°50'34")		3.9	87°40'	+27.6	+23.7		3761.9	TP		+		
TP ₂	—		000												
TP ₃	—		000						3767.0		Λ	0	0	493.304	2797280
459	15		164°05' (234°56')		5.9	85° -	+1.3	-4.6		3762.4		-9	-12	493.295	2797268
460	98		02°43'36" (73°34'10")		4.8	91°54'	-3.2	-8.0		3759.0	Δ	+28	+94	493.332	2797374
TP ₄	302		208°56'02"		12.0	92° -	-10.5	-22.5		3744.5	TP	+51	-297	493.355	2796984
TP ₄	"		(299°46'36")		6.8	93° -	-15.8	-22.6			TP		+		
TP ₃	—		000												
TP ₄	—		000						3749.5		κ	0	0	493.355	2796984
460	36		168°31' (268°18')		5.9	90° -		-5.9		3743.6		-1	-36	493.354	2796948
TP ₅	253		169°16'39"		7.7	90° -		-7.7		3741.8	TP	-4	-253	493.351	2796732
"	"		(269°03'15")		6.4	B.H.		-1.3			TP		+		
TP ₄	—		000												
TP ₅	—		000						3746.8		κ	0	0	493.351	2796732
461	114		170°29' - (258°32')		8.7	88° -	+4.0	-4.7		3742.1		-21	-112	493.330	2796620
462	306		167°40'24" (256°43'39")		12.7	88° -	+10.7	-2.0		3744.8	Δ	-70	-298	493.281	2796434
TP ₄	338		168°27'12" (257°30'21")		11.8	88° -	+11.8	±0.6		3746.8	TP	-73	-330	493.278	2796403
"	"				5.9	89° -	+5.9	+0.0			TP				

493.300 x - 2797.260
y - intersect

493.300 x - 2796.435
creek crossing

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-2-84		R. Traubridge		B. Cotcamp		6834		B.C.		5 B.C.		76			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Goodbriek PK. 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 ₅	—		000							3746.8					
TP ₆	—		000		+5.1			+5.1	3751.9		π	0	0	493.278 27964403	
462	23		252°35' (330°05'27")		6.0	85° -	+2.0	-4.0		3747.9		+20	-11	493.298 27963922	
462	125		261°48' (339°18')		6.3	85° -	+10.9	+4.6		3756.5		+117	-44	493.395 2796359	
TP ₇	360	358.6	260°57'42"		2.0	85° -	+31.4	+29.4		3781.3	TP	+334	-132	493.612 2796272	
"	"		(338°28'09")		8.3	84° -	+37.6	+29.3			TP		+		
TP ₆	—		000												
TP ₅	—		000		+5.05			+5.1	3786.4		π	0	0	493.612 2796272	
463	94		173°38' (332°06')		4.7	84° -	+9.8	+5.1		3791.5		+83	-44	493.695 2796228	
TP ₈	146	145.2	168°28'21"		3.8	84° -	+15.3	+11.5		3797.9	TP	+122	-79	493.734 2796194	
"	"		(326°56'30")		1.3	85° -	+12.7	+11.4			TP		+		
TP ₈	—		000												
TP ₈	—		000		+495			+5.0	3802.9		π	0	0	493.734 2796194	
464	269		154°50' (301°47')		4.8	84°51'	+24.1	+19.3		3822.2		+142	-229	493.876 2795965	
TP ₉	343	341.6	155°36'51"		5.1	84°50'	+30.9	+25.8		3828.7	TP	+184	-288	493.918 2795907	
"	"		(302°33'21")		0.1	85°40'	+25.9	+25.8			TP		+		
TP ₈	—		000												
TP ₈	—		000		+5.1			+5.1	3833.8		π	0	0	493.918 2795907	
465	256		188°21' (310°54')		11.6	83° -	+31.2	+19.6		3853.4		+168	-194	494.086 2795713	

493.305 x -2796.355
T-Intersect

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-2-84		R. Troubridge		B. Cotcamp		6834		B.C.		5		77			
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER			
Washington		Goldards Pk 15		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
									3833.8						
TP ₂₀	383	381.4	184°57'48"		2.8	84°50'	+34.5	+31.7	}	3865.5	TP	+232	-303	494,150	2795605
"	"		(307°31'09")		1.5	85° -	+33.4	+31.7		TP				+	
TP ₁₉	—		000						}	3870.5	TP	0	0	494,150	2795605
TP ₂₀	—		000	+50				+5.0		TP					
466	201		156°01' (283°48')		2.0	85° -	+17.5	+10.5	}	3881.0		+48	-195	494,198	2795410
TP ₂₁	357	356.1	153°26'07"		0.2	86° -	+24.9	+24.7		TP	3895.2	TP	+68	-350	494,218
TP ₂₁			(280°57'16")		6.4	85° -	+31.1	+24.7	TP				"		
TP ₂₀	—		000						}	3900.2	TP	0	0	494,218	2795256
TP ₂₁	—		000	+50				+5.0		TP					
467	209		135°21' (236°18')		7.5	85° -	+18.2	+10.5	}	3910.7		-116	-174	494,102	2795082
TP ₂₂	271	270.0	135°14'27"		8.0	85° -	+23.6	+15.6		TP	3915.8	TP	-150	-224	494,068
"	"		(236°11'43")		3.3	86° -	+18.9	+15.6	TP				+		
TP ₂₁	—		000						}	3920.8	TP	0	0	494,068	2795033
TP ₂₂	—		000	+49.5				+5.0		TP					
468	271		209°03' (265°43')		6.8	85° -	+23.6	+16.8	}	3937.6		-26	-276	494,048	2794763
TP ₂₃	388	386.5	209°05'27"		6.5	85° -	+33.8	+27.3		TP		TP	-32	-385	494,036
"	"		(265°17'10")		8.7	84°40'	+36.1	+27.4	TP	3948.2	TP		+		
TP ₂₂	—		000						}	3953.2	TP	0	0	494,036	2794649
TP ₂₃	—		000	+5.0				+5.0		TP					
469	216		200°14' (265°31')		6.1	85° -	+18.8	+12.7	}	3965.9		+58	-208	494,094	2794441

DATE		INSTRUMENT/MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
10-2-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		78		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Washington		Goddards Pk. 25		Wash		Stevens						L. Owens		
STATION NO.	SLOPE DISTANCE	PLOTTING 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.	
									3953.2					
TP ₂₄	253	252.0	200°25'05"		6.4	85° -	+22.1	+15.7		3968.9	TP	+68	-243	494.104 2794407
"	"		(285°42'15")		4.2	85°30	+19.9	+15.7			TP		+	
TP ₂₃	—		000											
TP ₂₄	—		000		+4.95			+5.0	3973.9		π	0	0	494.104 2794407
470	292		18°42' (292°24')		4.8	85° -	+25.4	+20.6		3994.5		+111	-270	494.215 2794137
471	622		83°56' (289°38')		5.2	85° -	+54.2	+49.0		4022.9		+209	-586	494.313 2793821
TP ₂₅	811	807.9	183°30'40"		4.2	85°	+70.7	+66.5			TP	+266	-763	494.370 2793645
"	"		(289°12'55")		4.1	275° -	+70.7	+66.6		4040.5	TP		+	
TP ₂₄	—		000											
TP ₂₅	—		000		+4.8			+4.8	4045.3		π	0	0	494.370 2793645
Δ	36		81°38'06" (236°51'01")		3.9	90° -		-3.9		4041.4		-23	-28	494.347 2793617 # 4-494.325 K-2, 793595 El. 40460
472	150		142°53' (252°06')		5.0	89° -	+2.6	-2.4		4042.9		-46	-143	494.324 2793502
TP ₁	162		146°04'53"		5.7	89° -	+2.8	-2.9		4042.4	TP	-41	-157	494.329 2793489
"	"		(255°15'41")		4.2	86° -	+11.3	-2.9			TP		+	Sun Shot Taken ° Adj. to
TP ₂₅	—		000											
TP ₁	—		000		+5.05			+5.1	4047.5		π	0	0	494.329 2793489
TP ₂	161		180°16'05"		10.0	90° -		-10.0		4037.5	TP	-40	-156	494.289 2793334
"	"		(255°31'46")		9.2	B.H.	-0.8	-10.0			TP		+	
TP ₁	—		000											
TP ₂	—		000		+5.15			+5.2	4042.7		π	0	0	494.289 2793334

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-3-84						6834		R.D.		43.C.		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Goodbards Pk. 7-5		Wash		Stevens								L. Daulton	
STATION NO.	SLOPE DISTANCE	PLOTTING 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
									4042.7						
473	180		159°26'(234°55')		9.7	92°-	-6.3	-16.0		4026.7		-103	-147	494.186	2793187
TP ₃	486		153°07'17"		10.3	93°-	-25.4	-35.7		4007.0	TP	-321	-364	493.968	2792971
"	"		(228°39'03")		1.9	94°-	-33.9	-35.8			TP				
TP ₂	—		000												
TP ₃	—		000												
474	27		311°56'(6°35')		6.0	87°-	+1.4	-4.6		4007.5		+27	±0	493.995	2792971
TP ₄	249		201°33'05"		10.4	92°-	-8.7	-19.1			TP	-64	-241	493.904	2792730
"	"		(255°12'08")		6.0	93°-	-13.0	-19.0		3993.1	TP				
TP ₂	—		000												
TP ₄	—		000												
475	75		200°05'(275°17')		4.9	95°-	-6.5	-11.4		3986.9		+7	-75	493.911	2792656
TP ₅	264	263.0	202°48'50"		4.2	95°-	-23.0	-27.2		3971.1	TP	+37	-260	493.941	2792472
"	"		(278°00'58")		13.4	93°-	-13.8	-27.2			TP				
TP ₂	—		000												
TP ₄	—		000												
476	142		176°35'(274°03')		7.7	94°-	-9.9	-17.6		3958.8		+11	-142	493.952	2792330
477	466		163°49'(261°50')		12.5	94°-	-32.5	-45.0		3931.4		-66	-461	493.875	2792011
"	491	489.5	162°53'08" (260°54'06")		3.3	94°-	-34.2	-47.5		3928.9	TP	-77	-484	493.864	2791988
478	796		164°26' (262°27')		6.7	94°50'	-67.1	-73.8		3902.6		-105	-789	493.836	2791683
479	1126		" (")		9.7	94°20'	-85.1	-94.8		3881.6		-148	-1116	493.793	2791356

y = 493.850x - 2791.990
y - Intersect

DATE		INSTRUMENT MAN		ROB MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-2-84		R. Trajicridge		B. Cotcamp		6834		B.C.		5		80			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Goddards PK. 75'		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 -	EAST + WEST -		Y
									3976.4						
TP ₆	1255	1251.9	163°47'41"		14.6	94° -	-87.5	-102.1	3874.4		TP	-178	-1239	493,763	2791,234
"	"		(261°48'39")		14.5	266° -	-87.5	-102.0		TP				+	
TP ₅	—		000						3879.5		TP	0	0	493,763	2791,234
TP ₅	—		000		+5.05			+5.1		TP					
TP ₅	354		182°39'29"		12.1	93° -	-18.5	-30.6	3848.9		TP	-34	-352	493,729	2790,883
"	"		(264°28'08")		6.0	94° -	-24.7	-30.7		TP				+	
TP ₅	—		000						3853.9		TP	0	0	493,729	2790,883
TP ₅	—		000		+4.95			+5.0		TP					
480	160		348°24' (72°52')		7.7	85° -	+13.9	+6.2	3860.1			+47	+153	493,776	2791,036
TP ₈	90		144°40'43"		8.2	90° -		-8.2		TP			-59	-68	493,676
"	"		(229°08'51")		8.6	T.H.	+6.5	-8.1		3845.8	TP				
TP ₅	—		000						3851.0		TP	0	0	493,676	2790,816
TP ₆	—		000		+5.15			+5.2		TP					
481	78		116°05' (225°14')		7.3	90° -		-7.3	3843.7			-55	-55	493,615	2790,761
482	403		156°20' (205°29')		7.7	92° -	-14.1	-21.8			3829.2		-364	-173	493,306
TP ₆	512		156°05'59"		7.1	92° -	-17.9	-25.0	3826.0		TP	-463	-218	493,207	2790,599
"	"		(205°14'50")		14.6	91°10'	-10.4	-25.0		TP				+	
TP ₆	—		000						3831.1		TP	0	0	493,207	2790,599
TP ₆	—		000		+5.1			+5.1		TP					
483	236		230°00' (255°15')		8.4	90° -		-8.4		3822.7		-60	-228	493,147	2790,371

493,155 X 2.79,365 Section Line

DATE		INSTRUMENT MAN		ROB. MAN.		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-3-84		R. Trayloridge		B. Cotcamp		6834		B.C.		3		81			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Gardner's Pk. 7.5		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 X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3831.1						
484	566		229° - (254° 95')		12.3	90'		-12.3		3818.8		-154	-545	493.053	2790054
485	896		229° 23' (254° 38')		7.7	80' 45'	-11.7	-19.4		3811.7		-237	-864	492.976	2789735
TP ₁₀	1123		227° 59' 30"		8.9	90° 40'	-13.0	-21.9			TP	-324	-1075	492.883	2789525
"	"		(253° 14' 20")		8.8	269° 20'	-13.0	-21.8		3809.3	TP				
TP ₉	—		000												
TP ₁₀	—		000		+5.15			+5.2	3814.5		X	0	0	492.883	2789525
486	91		126° 21' (199° 35')		7.4	90° -		-7.4		3807.1		-86	-31	492.797	2789494
487	413		106° 56' (180° 10')		12.6	B.H.	-2.1	-14.7		3799.8		-413	-1	492.470	2789524
TP ₁₁	589		106° 55' 41"		12.9	B.H.	-2.9	-15.8		3798.7	TP	-589	-2	492.294	2789524
"			(186° 10' 01")		5.5	91° -	-10.3	-15.8			TP				
TP ₁₀	—		000												
TP ₁₁	—		000		+4.95			+5.0	3803.7		X	0	0	492.294	2789524
488	156		193° 52' (194° 02')		9.7	90° -		-9.7		3794.0		-151	-38	492.143	2789486
TP ₁₂	391		186° 16' 43"		10.7	91° -	-6.8	-17.5		3786.2	TP	-389	-44	491.905	2789481
"			(186° 26' 44")		3.9	92° -	-13.6	-17.5			TP				
TP ₁₁	—		000												
TP ₁₂	—		000		+4.95			+5.0	3791.2		X	0	0	491.905	2789481
489	76		314° 00' 46" (320° 34' 30")		1.9	95° -	-6.6	-8.5		3782.7		+58	-48	491.963	2789433
489	212		290° 25' (296° 52')		10.1	90° -		-10.1		3781.1		+96	-189	492.001	2789292
TP ₁₃	265		291° 34' 12" (298° 00' 56")		11.9	90° -		-11.9		3779.3	TP	+124	-234	492.029	2789248
					10.6	B.H.		-11.3							

491.975 x - 2789435
creek crossing 3787.0

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE		
10-3-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		82		
AREA		TOPO MAP		STATE		COUNTY		RANGE		PPM		PARTY MANAGER		
Washington		Goddard's Pk 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	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
TP ₁₂	—		000							3779.3				
TP ₁₃	—		000						3784.4		π	0	0	492,029 2789248
490	276		195°39' (313°40')		5.8	92° -	-9.6	-15.4		3769.0		+191	-200	492,220 2789048
491	601		192°31' (310°32')		12.3	91° -	-10.5	-22.8		3761.6		+391	-457	492,420 2788791
TP ₁₄	637		191°06'59"		12.3	91° -	-11.1	-23.4		3761.0	TP	+402	-494	492,431 2788754
"	"		(309°07'55")		4.9	91°40'	-18.5	-23.4			TP			
TP ₁₃	—		000											
TP ₁₄	—		000						3766.2		π	0	0	492,431 2788754
492	278		101°11' (230°19')		8.0	92° -	-9.7	-17.7		3748.5		-178	-214	492,253 2788540
TP ₁₅	557		99°20'40"		6.9	92° -	-19.4	-26.3		3739.9	TD	-369	-417	492,062 2788337
"			(228°28'35")		15.0	91°10'	-11.3	-26.3			TD			
TP ₁₄	—		000											
TP ₁₅	—		000						3745.0		π	0	0	492,062 2788337
493	15		238°40' (287°09')		2.5	88° -	+2.3	-5.2		3739.8		+19	-62	492,081 2788275
494	385		208°04' (256°33')		13.4	B.H.	-1.9	-15.3		3729.7		-90	-374	491,972 2787963
TP ₁₆	455		208°00'06"		10.1	91° -	-7.9	-18.0		3727.0	TP	-106	-442	491,956 2787895
"			(256°28'41")		2.2	92° -	-15.9	-18.1			TP			
TP ₁₅	—		000											
TP ₁₆	—		000						3732.1		π	0	0	491,956 2787895
H	25		350°37' (67°05'41")		5.2	91° -	-0.4	-5.6		3726.5		+10	+23	491,966 2787918
495	283		252°21' (328°55')		8.3	91° -	-4.9	-13.2		3718.9		+242	-146	492,198 2787749

y - 491,985 x - 2,181.865
creek crossing

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
10-3-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		84							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington		Garbards Pk. 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				
TP ₁₉	—		000							3684.3									
TP ₂₀	—		000		+5.1			+5.1	3689.4		π	0	0	492.844	2786.501				
TP ₂₁	142		149°31'16"		5.9	90-		-5.9		3683.5	TP	+33	-138	492.877	2786.366				
"	"		(283°35'57")		5.2	B.H.	-0.7	-5.9			TP								
TP ₂₀	—		000																
TP ₂₁	—		000		+5.05			+5.1	3688.6		π	0	0	492.877	2786.366				
501	68		159°45'(263°21')		8.6	90-		-8.6		3680.0		-8	-68	492.869	2786.298				
TP ₂₂	828		130°03'30"		3.7	90-	-14.4	-18.1			TP	-491	-667	492.386	2785.699				
"			(233°39'27")		13.2	90°20'	-4.8	-18.0		3670.6	TP								
TP ₂₁	—		000																
TP ₂₂	—		000		+5.1			+5.1	3675.7		π	0	0	492.386	2785.699				
502	445		001°40'(55°19')		15.0	89°01'	+7.6	-7.4		3668.3		+253	+366	492.639	2786.065				
503	126		343°43'(37°22')		6.9	89°-	+2.2	-4.7		3671.0		+100	+76	492.486	2785.775				
TP ₂₃	45		145°11'40"		5.6	90-		-5.6			TP	-43	-15	492.343	2785.684				
"	"		(198°51'07")		5.3	B.H.	-0.2	-5.5		3670.2	TP								
TP ₂₂	—		000																
TP ₂₃	—		000		+5.15			+5.2	3675.4		π	0	0	492.343	2785.684				
504	157		147°20'(166°11')		11.6	89°-	+2.7	-8.9		3666.5		-152	+37	492.191	2785.721				
505	480		136°20'(155°11')		5.2	90°-		-5.2		3670.2		-436	+201	491.907	2785.885				
TP ₂₄	525		136°16'11"		2.9	90°-		-2.9		3672.5	TP	-476	+221	491.867	2785.905				
"	"		(155°09'18")		5.5	T.H.	+2.6	-2.9			TP								

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
10-3-84		R. Trowbridge		B. Lotcamp		6834		B.C.		5		86							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington		Goldards Pk. 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				
TP ₂₉	—		000							3644.3									
TP ₂₈	—		000		+ 5.1			+ 5.1	3649.4		⊖	0	0	491.955	2785.023				
510	312		121°10' (230°20')		9.5	90 -		- 9.5		3639.9		-199	-240	491.756	2784.783				
TP ₂₉	597		118°15'03" (227°24'41")		10.1	90 -		- 10.1		3639.3	TP	-404	-440	491.551	2784.583				
TP ₂₈	—		000																
TP ₂₉	—		000		+ 4.9			+ 4.9	3644.2		⊖	0	0	491.551	2784.583				
511	90		314°18'14" (1°42'55")		8.3	90 -		- 8.3		3635.9	⊖	+90	+3	491.641	2784.583				491.610 x - 2784.550 creek crossing
511	184		304°31' (351°56')		8.7	90 -		- 8.7		3635.5		+182	-26	491.733	2784.557				
512	414		" "		11.1	90 -		- 11.1		3633.1		+410	-58	491.961	2784.525				
TP ₃₀	899		304°08'17" (351°32'58")		12.7	90 -		- 12.7		3631.5	TP	+889	-132	492.440	2784.451				
TP ₂₉	—		000																
TP ₃₀	—		000		+ 5.1			+ 5.1	3636.6		⊖	0	0	492.440	2784.451				
513	58		340°06' (151°39')		6.9	89° -	+ 1.0	- 5.9		3630.7		-51	+28	492.389	2784.479				
514	254		97°34' (269°06')		7.0	89° -	+ 4.4	- 2.6		3634.6		-4	-254	492.436	2784.197				
TP ₃₁	362		102°16'54" (273°49'52")		8.9	89° -	+ 6.3	- 2.6		3634.0	TP	+24	-361	492.464	2784.090				
TP ₃₀	—		000																
TP ₃₀	—		000		+ 5.0			+ 5.0	3639.0		⊖	0	0	492.464	2784.090				
515	136		226°13'42" (320°03'34")		8.3	90 -		- 8.3		3630.7		+104	-87	492.568	2784.065				492.500 x - 2784.065 y-intersect

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-3-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		87			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Garbirds PK		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
									3639.0						
515	229		233°40' (327°30')		11.4	90° -		-11.4		3627.6		+193	-123	492,657	2783967
TP ₃₂	553		229°50'34"		12.6	91° -	-9.6	-22.2		3616.8	TP	+445	-328	492,909	2783762
516	"		(323°40'26")		2.9	92° -	-19.3	-22.2			TP				
TP ₃₁	—		000												
517	—		000						3621.9		π	0	0	492,909	2783762
517	330		134°03' (277°43')		11.0	93° -	-17.3	-28.3		3593.6		+44	-327	492,953	2783435
TP ₃₃	301		135°10'04"		10.9	93° -	-15.8	-26.7		3	TP	+46	-297	492,955	2783465
"	"		(278°50'30")		5.6	94° -	-21.0	-26.6		3595.3	TP				
TP ₃₂	—		000												
TP ₃₃	—		000						3600.4		π	0	0	492,955	2783465
518	342		138°22' (237°13')		4.8	94°30'	-26.8	-31.6		3568.8		-185	-288	492,770	2783177
TP ₃₄	446		140°24'02"		10.5	93° -	-23.3	-33.8		3566.6	TP	-228	-383	492,727	2783082
"	"		(239°14'32")		2.7	94° -	-31.1	-33.8			TP				
TP ₃₃	—		000												
TP ₃₄	—		000						3571.7		π	0	0	492,727	2783082
TP	63		270°44'25" (349°58'57")		4.8	94°13'	-4.6	-9.4		3562.3		+62	-11	492,789	2783071
519	287		288°16' (347°31')		6.8	93° -	-15.0	-21.8		3549.9		+280	-62	493,007	2783020
TP ₃₅	557	556.2	289°47'01"		4.2	93° -	-29.1	-33.3		3538.4	TP	+542	-125	493,269	2783957
"	"		(347°01'33")		14.0	92° -	-19.4	-33.4			TP				
TP ₃₄	—		000						3543.4		π	0	0	493,269	2783957
					* +5.0										

Y=492,785 X=2,783,085
Y-intersect

DATE		INSTRUMENT MAN.		ROD MAN.		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
10-3-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		88				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Washington		Cobbards #K 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	X
									3543.4							
520	46		126°05' (293°01')		6.5	92°	-1.6	-8.1		3535.3		+18	-42	493.287	2782915	-
TP ₃₆	149		116°34'48"		8.3	92°	-5.2	-13.5		3529.9	TP	+35	-145	493.304	2782812	
"	"		(283°36'21")		13.5	90°		-13.5			TP					
TP ₃₅	—		000													
TP ₃₀	—		000													
					+5.15			+5.2	3535.1		π	0	0	493.304	2782812	
521	223		157°39' (211°05')		5.3	93°	-11.7	-17.0		3518.1		-34	-220	493.270	2782552	
522	550		156°08' (259°44')		5.4	93°	-28.8	-34.2		3500.9		-98	-54	493.206	2782271	
TP ₃₇	625		153°59'34"		6.9	93°	-32.7	-39.6		3495.5	TP	-134	-610	493.170	2782202	
"	"		(257°35'55")		14.2	92°20'	-25.4	-39.6			TP					
TP ₃₆	—		000													
TP ₃₇	—		000													
					+4.9			+4.9	3500.4		π	0	0	493.170	2782202	
523	249		139°27' (217°03')		8.0	93°	-13.0	-21.0		3479.4		-199	-150	492.971	2782052	
524	578		137°27' (215°03')		9.0	93°	-30.2	-39.2		3461.2		-473	-332	492.697	2781870	
TP ₃₈	841	839.9	131°56'32"		10.9	93°	-44.0	-54.9			TP	-708	-452	492.462	2781750	
"	"		(212°32'27")		10.7	267°	-44.0	-54.7	-54.8	3445.6	TP					
TP ₃₇	—		000													
TP ₃₈	—		000													
					+4.95			+5.0	3450.6		π	0	0	492.462	2781750	
525	62		203°37' (232°10')		5.4	92°	-2.2	-7.6		3443.0		-35	-52	492.427	2781698	
TP ₃₉	349		190°14'03"		13.9	92°	-12.2	-26.1		3424.5	TP	-256	-237	492.206	2781514	
"	"		(222°46'30")		1.8	94°	-24.3	-26.1			TP		+1			

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
10-3-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		89							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington		Gardners Pk. 7.5		Wash.		Sevens								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 ₃₃	—		000 —							3424.5									(BS?)
TP ₃₄	—		000 —	+505				+5.1	3429.6		π	0	0	492,206	2,781,514				
526	38		166°07' (208°54')		7.3	90-		-7.3		3422.3		-33	-18	492,173	2,781,496				
TP ₃₅	139		161°16'41"		12.7	90-		-12.7		3416.9	TP	-127	-57	492,079	2,781,457				
"	"		(204°03'11")		12.0	B.H.	-0.7	-12.7			TP								
TP ₃₆	—		000 —																
TP ₃₅	—		000 —	+50				+5.0	3421.9		π	0	0	492,079	2,781,457				
527	219		135°13' (161°16')		10.9	92-	-7.6	-18.5		3403.4		-207	+70	491,872	2,781,527				
528	546		131°03' (155°06')		7.0	93-	-28.6	-35.6		3386.3		-495	+230	491,584	2,781,687				
TP ₄₀	698	697.3	130°30'13"		8.1	93 92°40'	-30.4	-38.5		3383.4	TP	-630	+300	491,449	2,781,757			92°30'	
"	"		(154°33'24)		6.1	92°40'	-32.5	-38.6			TP								
TP ₃₉	—		000 —																
TP ₄₀	—		000 —	+5.05				+5.1	3388.5		π	0	0	491,449	2,781,757				
529	201		228°13' (202°46')		6.9	94-	-14.0	-20.9		3367.6		-185	-78	491,264	2,781,679				
530	531		" (")		7.7	93°30'	-32.4	-40.1		3348.4		-490	-205	490,959	2,781,552				
TP ₄₁	610	608.9	229°07'30"		6.7	93°30'	-37.2	-43.9			TP	-558	-245	490,891	2,781,512				
"	"		(203°40'54")		1.3	94-	-42.5	-43.8		3344.7	TP								
TP ₄₀	—		000 —																
TP ₄₁	—		000 —	+4.95				+5.0	3349.7		π	0	0	490,891	2,781,512				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-3-84		R. Trumbidge		B. Cotcamp		6834		R.C.		5		90			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		(Gooblands Pk 25)		Wash		Stevens								L. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	MAGNETIC NORTH	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
								3349.7							
531	264		221°41' (245°22')	8.7	93°-	-138	-22.5		3327.2		-110	-240	490,781	2,781,272	
532	594		219°37' (243°18')	12.5	93°-	-31.1	-43.6		3306.1		-267	-531	490,624	2,780,981	
533	924		" (")	7.3	93°40'	-59.1	-66.4		3283.3		-415	-825	490,476	2,780,687	
TP ₄₂	1180	1117.7	218°53'06"	7.3	93°40'	-71.6	-78.9			TP	-515	-992	490,376	2,780,520	
"			(242°34'00")	13.7	216°40'	-65.1	-78.8		3270.9	TP					
TP ₄₁	—		000												
TP ₄₃	—		000	+5.0			+5.0	3275.9		TP	0	0	490,376	2,780,520	
534	134		187°26' (250°-)	6.8	93°-	-7.0	-13.8		3262.1		-46	-126	490,336	2,780,394	
535	464		" (")	10.9	93°-	-24.3	-35.2		3240.7		-159	-436	490,217	2,780,084	
-H--	484		186°33'18" (249°07'18")	11.0	93°-	-25.3	-36.3		3239.6	S.L.	-172	-452	490,204	2,780,068	
536	792		186°51' (249°25')	4.7	93°40'	-50.6	-55.3		3220.6		-278	-741	490,098	2,779,779	
TP ₄₃	960	958.0	185°31'58"	5.1	93°40'	-61.4	-66.5		3209.4	TP	-357	-889	490,019	2,779,631	
"	"		(248°05'58")	7.9	93°30'	-58.6	-66.5			TP					
TP ₄₂	—		000												
TP ₄₃	—		000	+5.05			+5.1	3214.5		TP	0	0	490,019	2,779,631	
TP ₄₄	160		165°04'36"	5.7	93°-	-8.4	-14.1		3200.4	TP	-96	-128	489,923	2,779,503	
537	"		(233°10'34")	14.1	90°-	-	-14.1			TP					
TP ₄₃	—		000												
TP ₄₄	—		000	+5.0			+5.0	3205.4		TP	0	0	489,923	2,779,503	

Y=490,200 X=2,779,780
Section Line

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
10-3-84		R. Towbridge		B. Cotocamp		6834		B.C.		5		91							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
Washington		Cheweh 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	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									3205.4										
TP ₄₅	420	419.0	142°55'06"		2.6	94°-	-29.3	-31.9		3173.5	TP	-403	-116	489,520	2,779,387				
"	"	"	(196°05'40")		9.9	93°-	-22.0	-31.9											TP
TP ₄₄	+		000						3178.5		K	0	0	489,520	2,779,387				
TP ₄₅	-		000		+5.0		+5.6												
538	99		05°25' (210°31')		6.8	86°-	+6.9	+0.1		3178.6		+92	+36	489,612	2,779,423				
539	251		245°12' (261°18')		8.9	93°-	-13.1	-22.0		3156.5		-38	-248	489,482	2,779,139				
TP ₄₆	537		242°48'22"		11.3	93°-	-28.1	-39.4		3139.1	TP	-103	-526	489,417	2,778,861				
"	"		(258°54'02")		1.9	94°-	-37.5	-39.4											TP
TP ₄₅	—		000						3144.2		K	0	0	489,417	2,778,861				
TP ₄₆	—		000		+5.1		+5.1												
540	53		217°29' (291°23')		8.5	90°-		-8.5		3135.7		+24	-47	489,441	2,778,814				
TP ₄₉	381		206°50'55"		9.9	93°-	-19.9	-29.8		3114.4	TP	+103	-366	489,520	2,778,495				
541	"		(285°44'57")		3.3	94°-	-26.6	-29.9											TP
TP ₄₆	—		000						3119.5		K	0	0	489,520	2,778,495				
541	—		000		+5.1		+5.1												
TP ₄₉	250		155°42'58"		13.2	93°-	-13.1	-26.3			TP	-37	-247	489,483	2,778,248				
"	"		(261°27'55")		4.4	95°-	-21.8	-26.2											TP
TP ₄₆	—		000						3098.3		K	0	0	489,483	2,778,248				
TP ₄₉	—		000		+4.95		+5.0												
542	77		188°05' (269°33')		11.8	90°-		-11.8		3086.5		-11	-77	489,482	2,778,171				

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE						
10-3-84		R Trowbridge		B. Cotcamp		6834		B.C.		5		92						
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
Washington		Chewelah 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			
TP ₄₈	343		188°37'55"		10.9	92°-	-12.0	-22.9	3078.3	3075.4	TP	+1	-343	489,484	2,777,905			
TP ₄₈	"		(270°05'50")		4.9	93°-	-18.0	-22.9			TP							
TP ₄₉	—		000															
TP ₄₈	—		000		+5.0			+5.0	3080.4		TP	0	0	489,484	2,777,905		Sum shot taken	
543	58		155°41' (245°53')		6.9	90°-		-6.9		3073.5		-24	-53	489,460	2,777,852			
TP ₄₉	222		110°28'25"		1.9	93°-	-11.6	-13.5		3066.9	TP	-74	-209	489,410	2,777,696		Sum shot 000	
"	"		(250°28'55")		1.3	93°10'	-12.3	-13.6			TP							
TP ₄₈	—		000															
TP ₄₉	—		000		+						TP							

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-4-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		93			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Chewelah 7.50		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 -	EAST + WEST -		Y
TP ₄₈	—		000							3066.9					
TP ₄₉	—		000	+5.1				+5.1	3072.0		π	0	0	489,410 2,777,696	
544	163		195° 18' (265° 47')		6.1	105° -	-42.2	-48.3		3023.7		-12	-163	489,398 2,777,533	
TP ₅₀	179.5	172.7	195° 38' 19" (266° 07' 14")		6.2	106° -	-49.3	-55.5		3016.4	TP	-12	-172	489,378 2,777,524	
"					9.5	105° -	-46.3	-55.8	-55.63		TP				
TP ₄₉	—		000												
TP ₅₀	—		000	+5.0				+5.0	3021.4		π	0	0	489,398 2,777,524	
TP ₅₁	206	253.3	180° 24' 50" (266° 32' 04")		4.2	104° -	-49.8	-54.0		2967.2	TP	-12	-200	489,386 2,777,324	
"	"				11.6	102° -	-42.8	-54.4	-54.23		TP				
TP ₅₁	—		000												
TP ₅₀	—		000	+4.8				+4.8	2972.0		π	0	0	489,386 2,777,324	
545	106		179° 16' (265° 48')		8.134	99° -	-16.6	-30.0		2942.0		-8	-106	489,378 2,777,218	
TP ₅₂	260	253.3	179° 27' 56" (266° 00' 00")		6.0	103° -	-58.5	-64.5		2907.4	TP	-18	-253	489,368 2,777,071	
"					10.6	102° -	-54.1	-64.7	-64.63		TP				
TP ₅₁	—		000												
TP ₅₂	—		000	+4.9				+4.9	2912.3		π	0	0	489,368 2,777,071	
546	116.9	163.2	177° 49' 35" (263° 49' 35")		4.6	105° -	-43.7	-48.3		2863.9	TP	-18	-162	489,350 2,776,909	
TP ₅₃	"				6.2	104° 30' -	-42.3	-48.5	-48.43		TP				
TP ₅₂	—		000												
546	—		000	+4.9				+4.9	2868.8		π	0	0	489,350 2,776,909	

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY			LINE NO.		PAGE					
10.4.84		R. Trowbridge		B. Cotamp		6834					5		95					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER				
WASH.		CHEWELAN		WASH.		Stevens								L.O.O.				
STATION NO.	SLOPE DISTANCE	PLOTTING 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			
553	321		136° 14' (235° 49')		9.2	95°	-28.0	-37.2	2644.3	2657.1		-180	-266	489,023	2,774,750			
TP ₅₆	466	464.2	136° 50' (21)		8.2	95°	-40.6	-48.8		2645.5	TP	-257	-387	488,946	2,774,629			
--	--		(236° 25' 39')		4.1	95° 30'	-44.7	-48.8			TP							
TP ₅₅	—		0° 00' 00															
TP ₅₆	—				+4.95	Hi		+5.0	2650.5		π	0	0	488,946	2,774,629			
554	191		203° 41' (260° 07')		5.2	95°	-16.6	-21.8		2628.7		-33	-188	488,913	2,774,441			
555	520		190° 07' (255° 33')		7.9	95°	-45.3	-53.2		2597.3		-130	-504	488,816	2,774,125			
TP ₅₇	854	850.8	198° 29' 41'		4.9	95°	-74.4	-79.3		2571.2	TP	-221	-821	488,725	2,773,808			
TP ₅₆	854		(254° 55' 20')		12.3	94° 30'	-67.0	-79.3			TP							
TP ₅₆	—		0° 00' 00															
556	—				+4.9	Hi		+4.9	2576.1		π	0	0	488,725	2,773,808			
557	331		197° 14' (272° 09')		8.6	94°	-23.1	-31.7		2544.4		+12	-331	488,737	2,773,477			
TP ₅₇	378	376.6	197° 52' 59"		2.9	95°	-32.9	-35.8		2540.4	TP	+18	-376	488,743	2,773,432			
--	--		(272° 48' 19')		1.7	95° 10'	-34.0	-35.7			TP							
TP ₅₆	—		0° 00' 00															
TP ₅₇	—				+5.1	Hi		+5.1	2545.5		π	0	0	488,743	2,773,432			
558	283		191° 17' (284° 05')		8.1	94°	-19.7	-27.8		2517.7		+69	-274	488,812	2,773,158			
559	613		-- (284° 05')		7.4	94° 20'	-46.3	-53.7		2491.8		+149	-595	488,892	2,772,837			
TP ₅₈	912	909.2	190° 28' 25'		5.5	94° 30'	-71.5	-77.0			TP	+209	-885	488,952	2,772,547			
--	--		(283° 16' 44')		5.4	265° 30'	-71.5	-76.9		2468.6	TP							

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-4-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		96			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Chewelah 7.5		Wash		Stevens								L.D.	
STATION NO.	SLOPE DISTANCE	PLOTTING 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 ₅₇	—		000							2468.6					
TP ₅₈	—		000		+5.15			+5.2	2473.8		π	0	0	488,952	2,772,547
560	29		164°49' (268°06')		2.7	90-		-7.7		2466.1		-1	-29	488,951	2,772,518
561	93		159°04'18" (260°21'01")		2.1	90-		-12.1		2461.7		-16	-92	488,936	2,772,455
561	349		163°49' (267°06')		5.9	94-	-24.3	-30.2		2443.6		-18	-349	488,931	2,772,198
561	594	592.6	162°26'08" (265°42'52")		7.4	94-	-41.4	-48.8		2425.0		-44	-591	488,908	2,771,956
TP ₅₉	657	655.4	162°03'46"		8.5	94-	-45.8	-54.3		2419.5	TP	-53	-653	488,899	2,771,894
"	"		(265°20'30")		4.2	93°30'	-40.1	-54.3			TP				
TP ₅₉	—		000												
TP ₅₉	—		000		+5.2			+5.2	2424.7		π	0	0	488,899	2,771,894
562	28		159°03' (244°24')		5.9	94-	-2.0	-7.9		2416.8		-12	-25	488,887	2,771,869
TP ₆₀	309	308.3	156°30'53"		11.0	94-	-21.6	-32.6			TP	-145	-272	488,754	2,771,622
"	"		(241°05'23")		5.6	95-	-26.9	-32.5		2392.2	TP				
TP ₆₀	—		000												
TP ₆₀	—		000		+5.15			+5.2	2397.4		π	0	0	488,754	2,771,622
563	49		178°52' (240°43')		9.2	90-		-9.2		2388.2		-24	-43	488,730	2,771,579
564	372		159°49' (221°40')		11.0	94-	-25.9	-36.9		2360.5		-278	-247	488,476	2,771,375
TP ₆₁	536	534.7	159°54'46"		14.2	94-	-37.4	-51.6		2345.8	TP	-399	-356	488,355	2,771,266
"	"		(221°46'09")		4.9	95-	-46.7	-51.6			TP				
TP ₆₀	—		000		+5.05			+5.1	2350.9		π	0	0	488,355	2,771,266

y = 488,950x - 2,772,420
T-Intersect

y = 488,905x - 2,771,920
y-Intersect

DATE: 10-4-84
 INSTRUMENT MAN: R. Trowbridge
 ROD MAN: B. Cotcamp
 PARTY NUMBER: 6834
 NOTES CHECKED BY: B.C.
 LINE NO.: 5
 PAGE: 98
 AREA: Washington
 TOPO MAP: Cheweh 7.5
 STATE: Wash
 COUNTY: Stevens
 TWP: [blank]
 RANGE: [blank]
 PPM: [blank]
 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 ₆₂	—		000							2164.2				
TP ₆₃	—		000		+5.1			+5.1	2169.3		π	0	0	486,901 2,768,990
574	293		230°47' (262°15')		10.8	92°-	-10.2	-21.6		2148.3		-40	-290	486,861 2,768,700
TP ₆₄	363		229°53'21"		10.2	92°-	-12.7	-22.9		2146.4	TP	-55	-359	486,846 2,768,631
"	"		(261°20'56")		38	93°-	-19.0	-22.9			TD			
TP ₆₃	—		000											
TP ₆₄	—		000		+5.15			+5.2	2151.6		π	0	0	486,846 2,768,631
575	247		144°05' (225°26')		75	90-		-7.5		2144.1		-173	-176	486,673 2,768,455
TP ₆₅	449		137°35'41"		139	90-		-13.9		2137.7	TP	-349	-282	486,497 2,768,349
"	"		(218°56'37")		11.7	B.H.	-2.2	-13.9			TP			
TP ₆₄	—		000											
TP ₆₅	—		000		+5.05			+5.1	2142.8		π	0	0	486,497 2,768,349
576	123		194°44' (233°04')		11.0	90-		-11.0		2131.8		-73	-99	486,424 2,768,250
577	450		188°38' (227°35')		9.5	92°-	-15.7	-25.2		2117.6		-304	-332	486,193 2,768,017
578	656		183°52'35" (222°49'12")		7.7	92°-	-22.9	-30.6		2112.2		-481	-446	486,016 2,767,903
578	776		183°45' (222°42')		5.1	92°-	-27.1	-32.2		2110.6		-570	-526	485,927 2,767,823
TP ₆₆	1103		182°22'54'		7.1	91°30'	-28.8	-35.9			TP	-828	-728	485,669 2,767,621
"	"		(221°19'31")		6.9	218°30'	-28.8	-35.7	-35.8	2107.0	TP			
TP ₆₅	—		000											
TP ₆₆	—		000		+5.1			+5.1	2112.1		π	0	0	485,669 2,767,621

Y = 486,005 X - 2,767,838
 T-Intersect

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-4-84		R. Trumble		B. Cotcamp		6834		B.P.		5		99			
AREA		TPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Chewach 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
									2112.1						
579	26		279°03' (320°23')	7.0	90			-7.0		2105.1		+20	-17	485.689	2,767,604
580	345		226°21' (267°41')	130	92°	-12.0	-25.0			2087.1		-14	-345	485.655	2,767,276
581	672		225°30' (266°50')	12.3	90°	-11.7	-24.0			2088.1		-37	-671	485.632	2,766,950
TP ₆₅	796		218°33'25"	5.0	90°37'	-22.4	-27.4			2084.7	TP	-140	-783	485.528	2,766,838
"	"		(259°52'56")	6.0	91°33'	-21.5	-27.5				TP	-	-		
TP ₆₆	—		000												
TP ₆₅	—		000	+5.1			+5.1		2089.8		TP	0	0	485.528	2,766,838
582	177		154°51' (234°44')	10.9	92°	-6.2	-17.1			2072.7		-102	-145	485.426	2,766,693
583	51		318°50'56" (38°48'52")	6.9	86°	+3.6	-3.3			2086.5		+40	+32	485.568	2,766,870 <small>1/2 y-inter.</small>
583	506		149°51' (229°44')	12.4	95°	-26.5	-38.9			2050.9		-327	-386	485.201	2,766,452
584	818	816.0	148°39'24" (228°32'20")	8.9	94°	-57.0	-65.9			2023.9		-540	-612	484.988	2,766,226 <small>1/2 y-intersect</small>
584	836		148°54' (228°47')	9.0	94°	-58.3	-67.3			2022.5		-551	-629	484.977	2,766,209
585	1166		148°27' (228°20')	13.6	94°	-81.3	-94.9			1994.9		-775	-871	484.753	2,765,967
586	1496		147°58' (227°51')	12.0	94°10'	-108.7	-120.7			1969.1		-1004	-1109	484.524	2,765,729
TP ₆₈	1628.3	1618.7	147°51'03"	10.2	94°10'	-117.9	-128.1				TP	-1089	-1198	484.437	2,765,646
"	"		(227°04'35.9")	9.8	265°50'	-117.9	-127.7		-121.93	1961.9	TP	-	-		
TP ₆₇	—		000												
TP ₆₈	—		000	+5.0			+5.0		1966.9		TP	0	0	484.437	2,765,640
587	209		200°13' (241°57')	5.0	93°	-10.9	-15.9			1951.0		-78	-194	484.359	2,765,446
588	539		198°03' (245°49')	5.7	93°	-28.2	-33.9			1933.0		-221	-492	484.216	2,765,148

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-4-84		R. Trowbridge		B. Cotcamp		6834		B.C.		5		100			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Chewelah		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
									1966.9						
TP ₆₉	657	656.1	191°12'58"		9.9	93° -	-34.4	-44.3	1922.6	TP	TP	-288	-589	484,147	2,765,051
"	"	"	(243°56'57")		4.2	93°30'	-40.1	-44.3							
TP ₆₈	—		000						1927.7	TP	TP	0	0	484,147	2,765,051
TP ₆₉	—		000		+5.05			+5.1							
589	210		164°49' (228°46')		8.0	94° -	-14.6	-22.6	1905.1			-138	-158	484,009	2,764,893
IF	323	322.2	160°35'36" (224°32'33")		7.5	94° -	-22.5	-30.0	1897.7			-230	-226	483,917	2,764,825
590	537		158°53' (222°50')		6.5	94° -	-37.5	-44.0	1883.7			-394	-365	483,753	2,764,686
TP ₉₀	619	617.5	159°23'39"		5.7	94° -	-43.2	-48.9	1878.8	TP	TP	-464	-408	483,681	2,764,643
"	"	"	(221°20'36")		3.9	94°10'	-45.0	-48.9							
TP ₆₉	—		000						1884.0	TP	TP	0	0	483,681	2,764,643
TP ₉₀	—		000		+5.15			+5.2							
591	246		165°36' (209°11')		9.8	93° -	-12.9	-22.7	1861.3			-219	-113	483,462	2,764,530
592	562		151°03' (192°24')		6.2	93° -	-29.4	-35.6	1848.4			-549	-121	483,132	2,764,512
IF	786		147°00'48" (188°21'24")		3.2	92° -	-27.4	-30.6	1853.4			-777	-114	482,904	2,764,529
593	886		146°52' (188°13')		10.1	91°25'	-21.9	-32.0	1852.0			-877	-127	482,804	2,764,516
TP ₉₁	998		145°54'56"		3.9	92° -	-34.8	-38.7	1845.3	TP	TP	-989	-126	482,690	2,764,517
"	"	"	(187°15'32")		12.6	91°30'	-26.1	-38.7							
TP ₉₀	—		000						1850.4	TP	TP	0	0	482,690	2,764,517
TP ₉₁	—		000		+5.1			+5.1							
594	217		174°17' (181°33')		7.0	94° -	-15.1	-22.1	1828.3			-217	-6	482,473	2,764,511

4-483,970 x - 2,764,800
T-Intersect

4-482,900 x - 2,764,515
FENCELINE E.I. 1855.0

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
10-4-84		R. Kowbridge		B. Cotcamp		6834		R.D.		B.C.		101			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Chewech 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
									1850.4						
595	547		174° 17' (181° 33')		4.9	95°	-47.7	-52.6		1797.8		-547	-15	482,143	2,764,502
TP ₂₂	619	617.4	172° 31' 54"		10.7	94°	-43.2	-53.9		1796.5	TP	-617	+2	482,072	2,764,519
"	"		(179° 47' 26")		5.3	94° 30'	-48.6	-53.9			TP	-1			
TP ₂₁	—		000												
TP ₂₂	—		000												
596	278		221° 29' (221° 17')		8.0	95°	-24.2	-32.2		1769.2		-209	-183	481,863	2,764,336
TP ₂₃	667	665.4	222° 33' 01"		11.4	94°	-46.5	-57.9		1743.5	TP	-492	-448	481,579	2,764,071
"	"		(222° 20' 27")		9.5	94° 10'	-48.5	-58.0			TP	-1			
TP ₂₂	—		000												
TP ₂₃	—		000												
										1748.5				481,579	2,764,071
597	65		340° 35' (22° 55')		7.9	85°	+5.7	-2.2		1746.3		+60	+25	481,639	2,764,096
598	47		234° 55' 52" (277° 16' 14")		10.9	85°	+4.1	-6.8		1741.7		+6	-46	481,585	2,764,025
598	291		225° 05' (267° 25')		9.1	91°	-5.1	-14.2		1734.3		-13	-291	481,566	2,763,780
599	621		"		12.3	91° 20'	-14.4	-26.7		1721.8		-28	-620	481,551	2,763,451
600	951		"		11.0	91° 40'	-27.6	-38.6		1709.9		-43	-950	481,536	2,763,121
601	1281		"		10.2	91° 40'	-31.2	-47.4		1701.1		-58	-1280	481,521	2,762,791
602	1611		"		10.4	91° 10'	-32.7	-43.1		1705.4		-73	-1609	481,506	2,762,462
603	1941		" (267° 25')		9.4	91°	-33.8	-41.2		1707.3		-87	-1939	481,492	2,762,132
TP ₂₄	4398		224° 45' 28" (267° 06')		2.6	91°	-76.4	-79.0			TP				Last Sta. on Line #5
"	"				2.0	219°	-76.4	-78.4		1669.8	TP				

y = 481,585 x - 2,764,025
y - Intersect
MORIS CORR. y = -7', x = 28

