

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

PAGE 1 OF 82

DATE 7-20-84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. TROWBRIDGE	PARTY NUMBER 6834	NOTES CHECKED BY R.T. <i>W</i>	LINE NO. 2	PAGE 1
AREA WASHINGTON	TOPO MAP Mt. Bonaparte-15'	STATE WASH.	COUNTY OKANOGAN	TWP	RANGE	PPM
PARTY MANAGER L.O. Davis						

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										2908.7				
	1379				+12.5	89° 30'	-12.0	+0.5			BS			Traverse to B.O.L.
	1379				+10.2	270° 24'	-9.6	+0.6 ^x	2909.3		BS			
TP	0				5.2	-		-5.2			TP			
TP	669				14.0	89° 20'	+7.8	-6.2			TP			
TP	669				13.9	270° 40'	+7.8	-6.1 ^x		2903.2	TP			
	808				+10.0	88° -	-28.2	-18.2	2885.0		BS			
	808				+10.1	272° -	-28.2	-18.1			BS			
TP	0				5.2	-		-5.2			TP			
TP	1091				6.8	91° 30'	-28.6	-35.4		2849.6	TP			
TP	1091				6.9	268° 30'	-28.6	-35.5			TP			
	2740				+11.4	88° 50'	-55.8	-44.4	2805.3		BS			
	2740				+11.6	271° 10'	-55.8	-44.2	-44.3		BS			
TP	0				5.2	-		-5.2			TP			
TP	559				7.9	88° 30'	+14.6	+6.7		2812.0	TP			
TP	559				7.9	271° 30'	+14.6	+6.7			TP			
	338				+6.8	92° -	+11.8	+18.6	2830.6		BS			
	338				+6.8	268° -	+11.8	+18.6			BS			
TP	0				5.2	-		-5.2			TP			
TP	1272				14.9	-		-14.9		2815.7	TP			
TP	1272				15.0	270° -		-15.0			TP			

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7.20.84		B. Cotcamp		R. Trowbridge		6834		R.T. <i>le</i>		2	2			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
WASHINGTON		Mt. Bonaparte - 15'		WASH.		OKANOGAN					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
	701				+5.5	88° 30'	-18.4	-12.9			BS			
	701				+7.6	271° 40'	-20.4	-12.8 ^x	2802.9		BS			
X	0				5.2	-		-5.2			X			
TP	3216				11.3	91°	-56.1	-67.4	2735.4		TP			
TP	3216				11.6	269°	-56.1	-67.7			TP			
	1226				+12.0	89°	-21.4	-9.4	2726.0		BS			
	1226				+12.1	271°	-21.4	-9.3			BS			
X	0				5.2	-		-5.2			X			
TP	742				8.5	89° 40'	+4.3	-4.2	2721.8		TP			
TP	742				8.6	270° 20'	+4.3	-4.3			TP			
	646				+4.5	87° 40'	-26.3	-21.8	2700.0		BS			
	646				+4.6	272° 20'	-26.3	-21.7			BS			
X	0				5.2	-		-5.2			X			
TP	315				7.5	TH	+1.6	-5.9	2694.1		TP			
TP	315				5.9	-		-5.9			TP			
	1587		187° 12' 04"		+6.3	-		+6.3	2700.4		BS			
	1587				+6.4	270°		+6.4			BS			
X	0				5.2	-		-5.2			X	0	0	731,142 2,433,685
I	309		20° 30'	+21.2	9.8	92° 10'	-11.7	-21.5	2678.9			+231	+206	731,373 2,433,891 B.O.L. Line #2
#1	382		30° 36' 12"	--	12.5	90° 30'	-3.3	-25.8	2674.6	#1		+236	+300	731,378 2,433,985

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7-20-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2	3				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
WASHINGTON		Mt. Bonaparte-15'		WASH.		OKANAGAN					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									2700.4						
2	546		52° 29'	+21.2	8.2	92° 10'	-20.6	-28.8		2671.6		+153	+524	731,295	2,434,209
#	541		51° 12' 49"	-	8.8	92° 10'	-20.5	-29.3		2671.1	BS	-163	-515	731,305	2,434,200
3	852		59° 36'	-	6.3	90° 20'	-5.0	-11.3		2689.1		+136	+841	731,278	2,434,526
4	1181		58° 46'	-	7.1	89° 10'	+17.2	+10.1		2710.5	TP	+209	+1162	731,353	2,434,844
4	1181		58° 37' 24"	-	7.1	270° 50'	+17.2	+10.1			TP	+2	-3		
	657	695.4			+10.7	94°	+45.8	+56.5	2767.0		BS	-68	+652		
	657		254° 43' 19"	+21.2	10.8	266°	+45.8	+56.6			BS	+2	-3		
5	328		253° 20'	-	7.0	94° 20'	-24.8	-31.8		2735.2		+26	-327	731,313	2,435,166
6	0				5.2	-		-5.2		2761.8	T	0	0	731,287	2,435,493
7	330		60° 40'	-	8.7	85°	+28.8	+20.1		2787.1		+47	+327	731,334	2,435,820
8	660			-	11.6	85°	+57.5	+45.9		2812.9		+93	+653	731,380	2,436,146
9	990			-	10.3	85° 10'	+83.4	+73.1		2840.1		+140	+980	731,427	2,436,473
TP	1075	1071.7	60° 47' 28"	+21.2	5.2	85° 30'	+84.3	+79.1		2846.1	TP	+149	+1061	731,438	2,436,551
TP	1075				5.3	274° 30'	+84.3	+79.6			TP	+2	-3		
	1066	1061.9	263° 27' 57"	-	+9.2	95°	+92.9	+102.1	2948.2		BS	-269	+1027		
	1066				+9.2	265°	+92.9	+102.1			BS	+2	-3		
10	813		263° 10'	-	8.6	95°	-70.9	-79.5		2868.7		+202	-788	731,373	2,436,787
11	483		263° 38'	-	11.6	95°	-42.1	-53.7		2894.5		+124	-467	731,295	2,437,108
12	153		260° 45'	-	9.7	95°	-13.3	-23.0		2925.2		+32	-150	731,203	2,437,425
T	0				5.2	-		-5.2		2943.0	T	0	0	731,171	2,437,575

x = 731,305 x = 2,434,200
 # creek crossing

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7.20.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2	4				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
WASHINGTON		Mt. Bonaparte - 15'		WASH.		OKANOGAN					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
									2948.2						
13	182		98° 18'	+21.2°	6.0	83° 50'	+19.6	+13.6		2961.8		-90	+158	731,081	2,437,733
14	512		" "	" "	7.2	83° 50'	+55.0	+47.8		2996.0		-252	+146	730,919	2,438,021
15	843	838.6	98° 11 47	" "	6.9	84° 10'	+85.7	+78.8		3027.0	TP	-412	+731	730,761	2,438,303
15	843				11.8	276° 10'	+90.6	+78.8			TP	"	-3		
	658	655.3	259° 54 24	+21.2°	7.1	95° 10'	+59.3	+66.4	3093.4		BS	-126	+643		
	658				+7.2	264° 50'	+59.3	+66.5			BS	"	-3		
16	331		264° 10'	" "	10.1	94° 40'	-26.9	-37.0		3056.4		+88	-319	730,725	2,438,624
17	0				5.2	-		-5.2		3088.2	TP	0	0	730,637	2,438,943
18	329		101° 25'	" "	8.2	84° -	+34.4	+26.2		3119.6		-177	+277	730,460	2,439,220
19	657	654.2	106° 02 43	" "	5.2	84° 40'	+61.1	+55.9		3149.3	TP	-396	+521	730,243	2,439,461
19	657				7.1	275° 30'	+63.0	+55.9			TP	"	-3		
	989	986.0	291° 22 02	+21.2°	9.8	94° 30'	+77.6	+87.4	3236.7		BS	-667	+726		
	989				+9.8	265° 30'	+77.6	+87.4			BS	"	-3		
20	660		291° 34'	" "	9.0	94° 20'	-49.9	-58.9		3177.8		+448	-485	730,026	2,439,699
#	905	902.4	291° 53 46	" "	10.8	94° 20'	-68.4	-79.2		3157.5		+617	-659	730,195	2,439,525
21	330		291° 10'	" "	7.0	94° 20'	-24.9	-31.9		3204.8		+222	-244	729,800	2,439,940
22	0				5.2	-		-5.2		3231.5	TP	0	0	729,578	2,440,184
23	329		119° 10'	+21.2°	6.7	85° 10'	+27.7	+21.0		3257.7		-253	+210	729,325	2,440,394
TP	585	582.8	116° 46 26	" "	6.9	85° -	+51.0	+44.1		3280.8	TP	-433	+390	729,147	2,440,571
TP	585				6.9	275° -	+51.0	+44.1			TP	"	-3		

Mt. Bonaparte - 15' ↑
Bodie Mt. - 15' ↓

VEY NOTES-HIGH RESOLUTION DATA

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.20.84		B. Cotram		R. Trowbridge		6834		R.T		2		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH.		Bodie mtn. -15'		WASHINGTON		OKANOGAN								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
	254	253.0	270° 17' 04"	+21.2°	8.2	95°	+22.1	+30.3	3311.1		BS	-93	+235		
	254				+7.4	95° 10'	+22.9	+30.3			BS	+2	-3		
24	186		270° 20'	--	7.3	95°	-16.2	-23.5		3287.6		+68	-173	729,124	2,440,630
π	0				5.2	-		-5.2		3305.9	π	0	0	729,056	2,440,803
25	145		71° 30'	--	6.3	84° 20'	+14.3	+8.0		3319.1		-7	+145	729,049	2,440,948
TP	427	425.4	66° 50' 48"	--	5.3	85°	+37.2	+31.9		3343.0	TP	+15	+425	729,073	2,441,225
TP	427				4.0	85° 10'	+36.0	+32.0			TP	+2	-3		
	268	267.0	279° 11' 46"	+21.2°	7.9	95°	+23.4	+31.3	3374.3		BS	-135	+236		
	268				+7.1	95° 10'	+24.1	+31.2			BS	+2	-3		
26	213		276° 45'	--	8.2	94° 30'	-16.7	-24.9		3349.4		+100	-188	729,040	2,441,264
π	0				5.2	-		-5.2		3369.1	π	0	0	728,940	2,441,452
#	26		196° 33' 41"	--	5.3	89° 30'	+0.2	-5.1		3369.2	#	-22	-14	728,918	2,441,438
27	149		182° 35'	--	6.3	84° 40'	+13.8	+7.5		3381.8		-136	-60	728,804	2,441,392
28	479		" "	--	6.1	84° 40'	+44.5	+38.4		3412.7		-438	-193	728,502	2,441,259
TP	616	613.3	179° 44' 52"	--	7.6	84° 40'	+57.3	+49.7		3423.9	TP	-573	-219	728,369	2,441,230
TP	616				11.3	275° 40'	+60.8	+49.5	+49.6		TP	+2	-3		
	518	517.0	340° 11' 52"	+21.2°	14.8	93° 30'	+31.6	+46.4	3470.3		BS	-517	-13		
	518				+14.9	266° 30'	+31.6	+46.5			BS	+2	-3		
29	329		336° 45'	--	7.8	94°	-23.0	-30.8		3439.5		+329	-12	728,183	2,441,202
30	0				5.2	-		-5.2		3465.1	π	0	0	727,854	2,441,214

KEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7.20.84		B. Cotcamp		R. Trowbridge		6834		R.T. W		2	6				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
WASHINGTON		Bodie Mtn. -15'		WASH.		OKANOGAN					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									3470.3						
31	330		146° 55'	+21.2°	6.3	84° 34'	+36.4	+30.1		3500.4		-323	+68	727.531	2,441,282
32	660		146° 23'	"	8.7	83° 40'	+72.8	+64.1		3534.4		-645	+142	727.209	2,441,356
33	987		149° 20'	"	6.7	84° -	+103.2	+96.5		3566.8		-974	+162	726.880	2,441,376
TP	1205	1198.8	148° 44' 04"	"	9.6	84° 10'	+122.5	+112.9		3583.2	TP	-1180	+210	726.676	2,441,421
TP	1205				13.1	276° -	+126.0	+112.9			TP	"	-3		
	325	324.2	313° 59' 35"	+21.2°	3.4	94° -	+22.7	+26.1	3609.3		BS	-294	+136		
	325				+3.3	266° -	+22.7	+26.0			BS	"	-3		
34	214		309° 59'	"	6.9	93° 10'	-11.8	-18.7		3590.6		+188	-103	726.572	2,441,451
π	0				5.2	-		-5.2		3604.1	π	0	0	726,384	2,441,554
35	116		121° 00'	"	6.8	85° -	+10.1	+3.3		3612.6		-92	+71	726,292	2,441,625
36	446		126° 30'	"	8.3	85° -	+38.9	+30.6		3639.9		-350	+276	726,034	2,441,830
37	776		"	+21.2°	7.2	85° -	+67.6	+60.4		3669.7		-609	+481	725,775	2,442,035
#	934	930.5	126° 03' 58"	"	6.8	85° -	+81.4	+74.6		3683.9	#	-726	+582	725,658	2,442,136 Boundary
38	1103	1098.8	119° 29' 40"	"	6.8	85° -	+96.1	+89.3		3698.6	TP	-850	+696	725,536	2,442,247 ACROSS STR.
38	1103				6.7	275° -	+96.1	+89.4			TP	"	-3		
	1317	1312.0	293° 43' 18"	+21.2°	8.5	95° -	+114.8	+123.3	3821.9		BS	-926	+929		
	1317				+8.6	265° -	+114.8	+123.4			BS	"	-3		
39	989		293° 30'	"	8.1	95° -	-86.2	-94.3		3727.6		+696	-703	725,308	2,442,470
40	660		294° 05'	"	6.0	95° -	-57.5	-63.5		3758.4		+469	-464	725,081	2,442,709
#	470	468.6	295° 22' 15"	"	8.7	94° 30'	-36.9	-45.6		3776.3		+340	-322	724,952	2,442,851

KEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7-20-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2	7				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
WASHINGTON		Bodie Mtn. -15		WASH.		OKANOGAN					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
									3821.9						
41	330		294° 25'	+21.2°	6.3	94° 30'	-25.9	-32.2		3789.7		+236	-231	724,848	2,442,942
42	0				5.2	-		-5.2		3816.7	TP	0	0	724,612	2,443,173
43	330		127° 00'	--	6.1	85° 50'	+24.0	+17.9		3839.8		-280	+174	724,332	2,443,347
44	653	651.3	129° 21' 29"	--	3.3	85° 50'	+47.5	+44.2		3866.1	TP	-567	+320	724,047	2,443,490
44	653				5.2	85° 40'	+49.3	+44.1			TP	+2	-3		
	157	156.4	208° 21' 17"	--	+9.8	95° -	+13.7	+23.5	3889.6		BS	+103	+117		
	157				+9.4	95° 10'	+14.1	+23.5			BS	+2	-3		
45	79		346° 00'	+21.2°	5.9	86° 20'	+5.1	-0.9		3888.7		+79	+2	724,231	2,443,606
TP	0				5.2	-		-5.2		3884.4	TP	0	0	724,152	2,443,604
46	400		314° 54' 48"	--	8.8	88° -	+14.0	+5.2		3894.8	TP	+366	-162	724,520	2,443,440
46	400				7.6	88° 10'	+12.8	+5.2			TP	+2	-2		
	594		142° 01' 08"	--	+5.7	92° 40'	+27.6	+33.3	3928.1		BS	+568	-171		
	594				+9.1	267° 40'	+24.2	+33.3			BS	+2	-1		
47	264		142° 32'	+21.2°	7.1	92° 46'	-12.7	-19.8		3908.3		-253	+74	724,837	2,443,342
TP	0				5.2	-		-5.2		3922.9	TP	0	0	725,090	2,443,268
Sec. corner	211		98° 10' 31"	--	4.8	81° 08'	+32.5	+27.7		3955.8	+	-102	+182	724,990	2,443,450
48	66		324° 22'	--	6.1	86° -						+2			
49	395		319° 50'	--	10.0	86° 20'									
50	724		324° 31' 40"	--	8.9	86° 40'									
TP	953		315° 49' 57"		9.6	86° 40'	+55.4	+45.8		3973.9	TP				

y=724990 x=2,443,450
 Section corner
 Magnetic
 Plates ↓ (Base)
 Horiz y = +46'
 corr.
 x = -63'
 K. Vertical for plates.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
7-25-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		8				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
WASHINGTON		Bodie mtn. -15'		WASH.		OKANOGAN								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
sec. corner	199	196.6	plates 7 (qr. ds) 1140 21 35 0 00 00		4.8	81° -	+31.1	+26.3		3953.6	K ₁	+82	-179		724990 x - 2443450 K ₁ Horizontal + section corner	
BS				+		92° 30'										
K ₁	0				5.0	-		(-5.0)	3927.3	(3922.3)	T	0	0	725072	2443271	
48	82		229° 40' (314° 12')		5.4	86° 30'	+5.0	-0.4		3926.9		+79	-22	725151	2443249	
49	411		225° (339° 32')		9.1	86° 30'	+25.1	+16.0		3943.3		+385	-144	725457	2443127	
50	741		223° 03' (337° 35')		11.1	86° 30'	+45.2	+34.1		3961.4		+685	-283	725757	2442988	
K ₂ vert.	969	967.4	221° 08' (335° 40')	+	9.7	86° 40'	-56.3	-46.6		3973.9		+883	-399	725955	2442872	vert. K (old T.P.)
TP ₁	1009	1007.6	222° 17' 19"		4.4	87° -	+52.8	+48.4		3975.7	TP	+926	-397	725999	2442875	SUNSHOT TAKEN to
TP ₁	1009		(336° 48' 54")		4.5	273° -	+52.8	+48.3			TP	"	"			determine starting
K ₁			0 00 00													GRID Azim: 156° 48' 54"
TP ₁	0				+5.15	41°		+5.1	3980.8		T	0	0	725999	2442875	
51	71		218° 10' (14° 59')		6.5	87° -	+3.7	-2.8		3978.0		+69	+18	726068	2442893	
52	394		210° 20' (7° 09')		7.1	87° -	+20.6	+13.5		3994.3		+391	+49	726390	2442924	
TP ₂	650	649.3	212° 19' 02"		5.4	87° 20'	+30.3	+24.9		4005.7	TP	+641	+103	726641	2442979	
TP ₂	650		(9° 07' 56")		5.4	272° 40'	+30.3	+24.9			TP	"	"			
TP ₁			0 00 00													
TP ₂	0				+5.05	41°		+5.0	4010.7		T	0	0	726641	2442979	
53	79		198° 15' (27° 23')		5.5	87° 30'	+3.4	-2.1		4008.6		+70	+36	726711	2443015	
TP ₃	298		194° 07' 23"		5.8	89° 30'	+2.6	-3.2		4007.5	TP	+274	+18	726916	2443098	
TP ₃	298		(23° 15' 19")		5.8	270° 30'	+2.6	-3.2			TP	"	"			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-25-84		B. Cotcamp		R. Thowbridge		6834		R.T.		2		9			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON				WASH.		OKANOGAN								L.O. 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
TP ₂			plates → (grids)												
TP ₃	0		0 00 00												
54	126		222° 50' (66° 05')		+5.1	41		+5.1	4012.6		T	0	0	726,916	2,443,098 same TP.
55	452		225° 20' (68° 35')		6.3	92°	-4.4	-10.7		4001.9		+51	+115	726,967	2,443,213
TP ₅	543	542.3	223° 34' 16"		7.3	93°	-23.7	-31.0		3981.6		+165	+421	727,081	2,443,519
TP ₅	543		(66° 49' 35")		6.1	93°	-28.4	-34.5		3978.1	TP	+213	+499	727,130	2,443,598
TP ₄			0 00 00		6.0	267°	-28.4	-34.4			TP	"	"		
TP ₅	0				+5.3	41		+5.3	3983.4		T	0	0	727,130	2,443,598
56	238		152° 50' (39° 40')		9.1	91°	-4.2	-13.3		3970.1		+183	+152	727,313	2,443,750
57	566		148° 55' (35° 45')		11.1	91° 10'	-11.5	-22.6		3960.8		+459	+331	727,589	2,443,929
TP ₆	801		149° 37' 27"		6.4	91° 10'	-16.3	-22.7		3960.7	TP	+644	+476	727,775	2,444,075
TP ₆	801		(36° 27' 02")		6.3	268° 50'	-16.3	-22.6			TP	"	"		
TP ₃			0 00 00												
TP ₆	0				+5.15	41		+5.1	3965.8		T	0	0	727,775	2,444,075
58	98		206° 40' (63° 07')		5.3	89°	+1.7	-3.6		3962.2		+44	+87	727,819	2,444,162
TP ₇	376		209° 21' 23"		5.8	89°	+6.6	+0.8		3966.6	TP	+154	+343	727,930	2,444,199
TP ₇	376		(65° 48' 25")		4.7	89° 10'	+5.5	+0.8			TP	"	"		
TP ₆			0 00 00												
TP ₇	0				+5.0	41		+5.0	3971.6		T	0	0	727,930	2,444,199
59	59		220° 10' (105° 58')		5.9	88°	+2.1	-3.8		3967.8		-16	+57	727,914	2,444,476

KEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.25.84		B. Cotcamp		R. Trowbridge		6834		R.T. W		2		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Bodie mtw - 15'		WASHINGTON		OKANOGAN								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₈	396		210° 32' 06"		3.7	89° -	+6.9	+3.2		3974.8	TP	-44	+394	727887	2444814
TP ₈	396		(96° 20' 31")		3.7	271° -	+6.9	+3.2			TP	+1	+1		
TP ₁			0 00 00												
TP ₈	0				+5.05	H _i		+5.0	3979.8		T	0	0	727887	2444814
60	26		293° 00' (209° 21')		4.8	-		-4.8		3975.0		-23	-13	727864	2444801
61	326		194° 40' (111° 01')		11.0	88° 36'	+8.0	-3.0		3976.8		-117	+304	727770	2445118
TP ₉	393		190° 07' 18"		6.6	89° 20'	+4.6	-2.0*		3977.8	TP	-111	+377	727777	2445192
TP ₉	393		(106° 27' 49")		4.3	270° 20'	+2.3	-2.0			TP	+1	+1		
TP ₈			0 00 00												
TP ₉	0				+5.0	H _i		+5.0	3982.8		T	0	0	727777	2445192
62	262		136° 42' (63° 10')		5.2	-		-5.2		3977.6		+118	+234	727845	2445426
63	592		- " (- -)		7.2	T _H	+30	-4.2		3978.6		+267	+528	728044	2445720
TP ₁₀	753		134° 41' 12"		5.8	-		-5.8*		3977.0	TP	+363	+660	728141	2445853
TP ₁₀	753		(61° 09' 01")		5.7	270° -		-5.7			TP	+1	+1		
TP ₉			0 00 00												
TP ₁₀	0				+5.2	-		+5.2	3982.2		T	0	0	728141	2445853
64	167		164° 50' (45° 59')		9.6	-		-9.6		3972.6		+116	+120	728257	2445973
65	489		156° 35' (37° 44')		8.7	91° -	-8.5	-17.2		3965.0		+387	+299	728528	2446152
TP ₁₁	525		152° 56' 41"		3.7	91° 20'	-12.2	-15.9*		3966.3	TP	+435	+294	728577	2446148
TP ₁₁	525		(34° 05' 42")		3.6	268° 40'	-12.2	-15.8			TP	+1	+1		

SRVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.25.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		11			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Boodie Mt. -15'		WASH.		OKANOGAN								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP10			0 00 00												
TP1	0				+ 5.2	Hi		+5.2	3971.5		X	0	0	728577	2446148
66	284		135 54 55		4.1	87 30	+12.4	+8.3		3979.8	TP	+279	-49	728857	2446100
66	284		(350 00 37)		3.3	87 40	+11.6	+8.3			TP	+	+		
TP11			0 00 00												
66	0				+5.15	Hi		+5.1	3984.9		X	0	0	728857	2446100
67	327		174 45 (344 46)		7.3	87 -	+17.1	+9.8		3994.7		+316	-86	729173	2446014
68	656		171 20 (341 20)		11.9	87 -	+34.3	+22.4		4007.3		+621	-210	729478	2445890
69	985		170 20 (340 20)		12.0	87 -	+51.6	+39.6		4024.5		+928	-332	729785	2445768
TP12	1156	1154.4	169 58 10		8.2	87 -	+60.5	+52.3		4037.2	TP	+1085	-395	729943	2445706
TP12	1156		(339 58 47)		8.1	273 -	+60.5	+52.4			TP	+	+		
66			0 00 00												
TP12	0				+5.15	Hi		+5.1	4042.3		X	0	0	729943	2445706
70	180		225 05 (25 04)		7.3	83 20	+20.9	+13.6		4055.9		+163	+76	730106	2445782
71	509		224 20 (24 19)		4.3	84 50	+45.8	+41.5		4083.8		+464	+210	730407	2445916
72	839	836.0	224 15 42		7.9	85 10	+70.7	+62.8		4105.1	TP	+762	+343	730706	2446050
72	839		(24 14 29)		8.0	274 50	+70.7	+62.7			TP	+	+		
TP12			0 00 00												
72	0				+5.2	Hi		+5.2	4110.3		X	0	0	730706	2446050
sec. corner	399		353 48 44 (198 03 13)		6.0	91 52	-13.0	-19.0		4091.3		-379	-124	730320	2445926

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.25.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		12			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Bodie mtn. - 15'		WASH.		OKANOGAN								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (9.2105)												
73	330		179° 40' (23° 54')		8.1	-		-8.1		4102.2		+302	+134	731008	2446184
74	660		" " "		9.1	91°	-11.5	-20.6		4089.7		+603	+267	731309	2446317
75	990		" " "		11.0	91°	-17.3	-28.3		4082.0		+905	+401	731611	2446451
76	1320		" " "		4.2	91°	-23.0	-27.2		4083.1		+1207	+535	731913	2446585
77	1649		179° 40' (23° 54')		11.8	90° 30'	-14.3	-26.1		4084.2		+1508	+668	732214	2446718
78	1978		179° 44' (23° 58')		4.0	90° 30'	-17.2	-21.2		4089.1		+1807	+803	732513	2446853
TP ₁₃	2090		179° 49' 34"		9.3	90° 10'	-6.0	-15.3		4095.0	TP	+1908	+852	732615	2446903
TP ₁₃	2090		(24° 04' 03")		9.2	269° 50'	-6.0	-15.2			TP	+	+		
72			0 00 00												
TP ₁₃	0				+5.15	M ₁		+5.1	4100.1		TP	0	0	732615	2446903
79	223		207° 05' (51° 09')		6.1	87°	+11.7	+5.6		4105.7		+140	+174	732755	2447077
80	552		205° 30' (49° 34')		7.6	86° 40'	+32.1	+24.5		4124.6		+358	+420	732973	2447323
81	882		205° 20' (49° 24')		6.9	87°	+46.2	+39.3		4139.4		+574	+670	733189	2447573
TP ₁₄	1169	1167.4	205° 47' 19"		9.1	87°	+61.2	+52.1		4152.2	TP	+753	+892	733369	2447796
TP ₁₄	1169		(49° 51' 22")		9.0	273°	+61.2	+52.2			TP	+	+		
TP ₁₃			0 00 00												
TP ₁₄	0				+5.2	M ₁		+5.2	4157.4		TP	0	0	733369	2447796
82	49		216° 25' (86° 16')		6.0	87°	+2.6	-3.4		4154.0		+3	+49	733372	2447845
83	377		207° 15' (77° 06')		9.2	86°	+26.3	+17.1		4174.5		+84	+367	733453	2448163
84	707		208° 00' (77° 51')		4.0	86°	+49.3	+45.3		4202.7		+149	+691	733518	2448487

URVEY NOTES-HIGH RESOLUTION DATA

JE0-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-25-84		B. Cotcamp		R. Trow Bridge		6834		R.T. W		2	13					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
WASHINGTON		BODIE mtr. -15'		WASH.		OKANOGAN					L.O. Davis					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
			PLATES → (GRIDS)													
8685	1036	1033.5	206° 47' 28"		4.6	86° -	+72.3	+167.78		4225.1	TP	+239	+1006	733609	2448803	
8685	1036		(76° 38' 50")		4.5	274° -	+72.3	+167.8			TP	"	+			
TP14			0 00 00													
85	0				+5.2	H.		+5.2	4230.3		T	0	0	733609	2448803	
86	332		148° 50' 53"		6.3	-		-6.3		4224.0	TP	+233	+237	733843	2449041	
86	332		(45° 29' 43")		5.3	90 10	-1.0	-6.3			TP	"	+			
85			0 00 00													
86	0				+5.3	H.		+5.3	4229.3		T	0	0	733843	2449041	
87	331		209° 30' (75° 00')		7.4	92° 50'	-16.4	-23.8		4205.5		+86	+320	733929	2449361	
88	659		207° 26' (72° 56')		5.5	92° 50'	-32.6	-38.1		4191.2		+193	+630	734036	2449671	
TP15	848		207° 30' 52"		6.3	93° -	-44.4	-50.7		4178.6	TP	+247	+810	734091	2449852	
TP15	848		(73° 00' 35")		6.2	267° -	-44.4	-50.6			TP	"	+			
86			0 00 00													
TP15	0				+5.15	H.		+5.1	4183.7		T	0	0	734091	2449852	
89	142		200° 15' (93° 16')		8.0	93° -	-7.4	-15.4		4168.3		-8	+142	734083	2449994	
90	472		200° 25' (93° 26')		10.0	93° -	-24.7	-34.7		4149.0		-28	+471	734063	2450323	
TP16	552	550.9	197° 04' 52"		4.9	93 40	-35.3	-40.2		4143.5	TP	-1	+551	734091	2450404	
TP16	552		(90° 05' 27")		4.9	266° 20	-35.3	-40.2			TP	+	+			
TP15			0 00 00													
TP16	0				+5.05	H.		+5.0	4148.5		T	0	0	734091	2450404	90° 03' 44" SUNSHOT TAKEN

LEVEL NOTES-HIGH RESOLUTION DATA

Geosource Inc.

0-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.25.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		14			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Bodie Mtn. -15'		WASH.		OKANOGAN								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (grids)												
91	285		230° 30' (140° 35')		7.2	92° 30'	-12.4	-19.6		4128.9		-220	-181	733,871	2,450,585
TP ₁₅	392		232° 38' 47"		6.8	92° 30'	-17.1	-23.9		4124.6	TP	-312	+237	733,780	2,450,642
TP ₁₇	392		(142° 44' 14")		13.6	268° 30'	-10.3	-23.9			TP	"	"		
TP ₁₆			0 00 00												
TP ₁₇	0				+5.15	Hi		+5.1	4129.7		X	0	0	733,780	2,450,642
92	225		204° 15' (166° 59')		5.6	92° -	-7.9	-13.5		4116.2		-219	+51	733,561	2,450,933
93	555		202° 15' (164° 59')		7.1	92° 30'	-24.2	-31.3		4098.4		-536	+144	733,244	2,450,786
TP ₁₈	594	593.4	200° 30' 37"		7.9	92° 30'	-25.9	-33.8		4095.9	TP	-568	+171	733,213	2,450,814
TP ₁₈	594		(163° 14' 51")		8.0	267° 30'	-25.9	-33.9			TP	"	"		
TP ₁₇			0 00 00												
TP ₁₈	0				+5.2	Hi		+5.2	4101.1		X	0	0	733,213	2,450,814
94	289		176° 00' (159° 15')		6.4	93° 30'	-17.6	-24.0		4077.1		-270	+102	732,943	2,450,916
TP ₁₉	523	522.0	177° 02' 58"		6.9	93° 30'	-31.9	-38.8		4062.3	TP	-491	+176	732,723	2,450,991
TP ₁₉	523		(160° 17' 49")		7.0	266° 30'	-31.9	-38.9			TP	"	"		
TP ₁₈			0 00 00												
TP ₁₉	0				+5.2	Hi		+5.2	4067.5		X	0	0	732,723	2,450,991
95	98		194° 01' (174° 19')		6.7	93° 40'	-6.3	-13.0		4054.5		-98	+10	732,625	2,451,001
96	428		" " " "		8.3	93° 40'	-27.4	-35.7		4031.8		-426	+42	732,297	2,451,033
97	758		" " " "		7.2	93° 40'	-48.5	-55.7		4011.8		-754	+75	731,969	2,451,066

KEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

J-445

DATE 7-26-84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY R.T.	LINE NO. 2	PAGE 15
AREA Washington	TOPO MAP	STATE WASH.	COUNTY OKANOGAN	TWP	RANGE	PPM
			PARTY MANAGER L.O. 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.	
			plates → (grips)											
98	1086	1085.2	194° 14' 06"		8.4	92° 10'	-41.0	-49.4		4018.1	TP	-1080	+103	731,644 2,451,095
98	1086		(174° 31' 55")		8.5	267° 50'	-41.0	-49.5			TP	"	"	
TP ₁₉			0 00 00											
98	0				+5.1	Hi		+5.1	4023.2		T	0	0	731,644 2,451,095
99	321		161° 25' (155° 51')		6.3	89° -	+5.6	-0.7		4022.5		-293	+131	731,351 2,451,226
TP ₂₀	582		161° 28' 22"		5.7	89° 30'	+5.1	+0.6		4022.6	TP	-532	+237	731,113 2,451,333
TP ₂₀	582		(156° 00' 17")		5.7	270° 30'	+5.1	-0.6			TP	"	"	
98			0 00 00											
TP ₂₀	0				+5.0	Hi		+5.0	4027.6		T	0	0	731,113 2,451,333
100	71		204° 50' (180° 50')		5.8	90° 20'	-0.4	-6.2		4021.4		-71	-1	731,042 2,451,332
101	400		194° 35' (170° 35')		7.3	91° 50'	-12.8	-26.1		4007.5		-395	+65	730,718 2,451,398
102	727		196° 30' (172° 30')		12.0	92° -	-25.4	-37.4		3990.2		-721	+95	730,392 2,451,425
TP ₂₁	937		195° 24' 10"		9.4	92° 10'	-35.4	-44.8		3982.8	TP	-926	+140	730,188 2,451,474
TP ₂₁	937		(171° 24' 27")		9.5	267° 50'	-35.4	-44.9			TP	"	"	
TP ₂₀			0 00 00											
TP ₂₁	0				+5.2	Hi		+5.2	3988.0		T	0	0	730,188 2,451,474 high zero
103	117		162° 20' (153° 44')		6.4	93° 30'	-7.1	-13.5		3974.5		-105	+52	730,083 2,451,526
104	447		162° 05' (153° 29')		6.2	93° 30'	-27.3	-33.5		3954.5		-400	+200	729,788 2,451,674
105	775		161° 18' (152° 42')		8.2	93° 30'	-47.3	-55.5		3932.5		-689	+355	729,499 2,451,829

KEY NOTES-HIGH RESOLUTION DATA

-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-26-84		B. Catcamp		R. Trowbridge		6834		R.T.		2		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Bodie mtn. -15'		WASH.		OKANOGAN								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (92.08)												
106	1104	1101.9	159° 44' 30"		10.8	93° 30'	-67.4	-78.2		39109.8	TP	-965	+532	729,224	2,452,007
106	1104		151° 08' 51"		10.7	266° 30'	-67.4	-78.1			TP	+1	+1		
TP ₁			0 00 00												
106	0				+5.2	Hi		+5.2	39115.0		T	0	0	729,224	2,452,007
107	330		160° 40' (131° 49')		6.4	90° 20'	-1.9	-8.3		39106.7		-220	+246	729,004	2,452,253
108	660		" " "		8.0	90° 20'	-3.8	-11.8		39103.2		-440	+492	728,784	2,452,499
109	990		" " (- -)		10.0	90° 20'	-5.7	-15.7		3899.3		-660	+738	728,564	2,452,745
110	1318		161° 20' (132° 29')		6.0	90° 10'	-3.8	-9.8		39105.2		-890	+972	728,334	2,452,979
TP ₂₂	1410		161° 25' 38"		8.7	-		-8.7			TP	-954	+1038	728,227	2,453,046
TP ₂₂	1410		(132° 34' 35")		8.5	270° -		-8.5	-8.6	39106.4	TP	+1	+1		
TP ₁₀₄			0 00 00												
TP ₂₂	0				+5.15	Hi		+5.1	39111.5		T	0	0	728,271	2,453,046
111	240		196° 05' (148° 40')		6.0	89° -	+4.2	-1.8		39109.7		-205	+125	728,066	2,453,171
112	570		194° 15' (146° 50')		6.3	89° 30'	+5.0	-1.3		39110.2		-477	+312	727,794	2,453,356
TP ₂₃	657		192° 38' 46"		9.0	89° 30'	+5.7	-3.3		39108.2	TP	-540	+375	727,732	2,453,422
TP ₂₃	657		(145° 13' 21")		8.9	270° 30'	+5.7	-3.2			TP	+1	+1		
TP ₂₂			0 00 00												
TP ₂₃	0				+5.25	Hi		+5.2	39113.4		T	0	0	727,732	2,453,422
113	238		166° 55' (132° 08')		6.1	92° 40'	-11.1	-17.2		3896.2		-160	+177	727,572	2,453,599

KEY NOTES-HIGH RESOLUTION DATA

Geosource Inc.

J-445

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
7-26-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		17				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
WASHINGTON		BODIE Mtn. -15'		WASH.		OKANOGAN								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH -	EAST + WEST -		Y	X
												LAT.	DEP.			
			PLATES → (grids)													
114	568	567.0	163° 33' 10"		9.9	93° 20'	-33.0	-42.9		3870.5	TP	-355	+442	727,378	2,453,865	ACROSS STA.
114	568		(128° 46' 31")		9.8	206° 40'	-33.0	-42.8			TP	"	"			
TP23			0 00 00													
114	0				+5.35	Hi		+5.3	3875.8		τ	0	0	727,378	2,453,865	
115	330		200° 25' (149° 12')		7.9	95° -	-28.8	-36.7		3839.1		-283	+169	727,095	2,454,034	
116	659		197° 55' (146° 42')		5.3	95° -	-57.4	-62.7		3813.1		-551	+362	726,827	2,454,227	
117	991	987.7	197° 05' 43"		7.7	94° 40'	-80.6	-88.3		3787.5	TP	-818	+554	726,561	2,454,420	ACROSS STA.
117	991		(145° 52' 14")		7.6	265° 20'	-80.6	-88.2			TP	"	"			
114			0 00 00													
117	0				+5.25	Hi		+5.2	3792.7		τ	0	0	726,561	2,454,420	
118	331		206° 50' (172° 42')		8.5	95° -	-28.8	-37.3		3755.4		-328	+42	726,233	2,454,462	
119	655	652.5	203° 19' 31"		6.3	95° -	-57.1	-63.4		3729.3	TP	-641	+122	725,721	2,454,543	
119	655		(169° 11' 45")		6.2	265° -	-57.1	-63.3			TP	"	"			
117			0 00 00													
119	0				+5.3	Hi		+5.3	3734.6		τ	0	0	725,921	2,454,543	
120	323		132° 55' (122° 09')		5.3	92° -	-11.3	-16.6		3718.0		-172	+274	725,749	2,454,817	
121	652		136° 00' (119° 12')		6.0	91° 40'	-19.0	-25.0		3709.6		-318	+569	725,603	2,455,112	
TP24	715		129° 14' 35"		8.8	91° 30'	-18.7	-27.5		3707.1	TP	-340	+629	725,562	2,455,123	
TP21	715		(118° 26' 20")		8.7	268° 30'	-18.7	-27.4			TP	"	"			

JRVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.26.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		18			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Dodie mtn. -15'		WASH.		OKANOGAN								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
119			plates → (92.05)												
TP ₂₄	0		0 00 00		+5.1	H:		+5.1	3712.2		T	0	0	725582	2455173
122	275		207° 20' (145° 46')		6.3	91° 40'	-8.0	-14.3		3697.9		-227	+155	725355	2455328
123	605		208° 35' (147° 01')		6.5	92° 20'	-24.6	-31.1		3681.1		-507	+329	725075	2455502
TP ₂₅	711		208° 03' 51"		7.7	92° 30'	-31.0	-38.7		3673.5	TP	-592	+392	724991	2455566
TP ₂₅	711		(146° 30' 11")		7.6	267° 30'	-31.0	-38.6			TP	+	+		
TP ₂₄			0 00 00												
TP ₂₅	0				+4.95	H:		+4.9	3678.4		T	0	0	724991	2455566
124	229		201° 33' 33"		9.3	92° -	-8.0	-17.3		3661.1	TP	-224	+47	724768	2455614
124	229		(168° 03' 44")		8.6	92° 10'	-8.7	-17.3			TP	+	+		
TP ₂₅			0 00 00												
124	0				+5.2	H:		+5.2	3666.3		T	0	0	724768	2455614
125	330		187° 45' (175° 49')		7.7	91° 20'	-7.7	-15.4		3650.9		-329	+24	724439	2455638
126	660		189° 00' (177° 04')		8.8	91° 20'	-15.3	-24.1		3642.2		-659	+34	724109	2455648
127	990		189° 05' (177° 09')		8.8	91° 20'	-23.0	-31.8		3634.5		-989	+49	723779	2455663
128	1320		" " (" ")		7.2	91° 20'	-30.7	-37.9		3628.4		-1318	+66	723450	2455680
TP ₂₆	1578		188° 49' 59"		7.6	91° 20'	-36.7	-44.3		3622.0	TP	-1575	+85	723194	2455700
TP ₂₆	1578		(176° 53' 43")		7.5	268° 40'	-36.7	-44.2			TP	+	+		
124			0 00 00												
TP ₂₆	0				+4.95	H:		+4.9	3626.9		T	0	0	723194	2455700

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7.26.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2	19					
AREA		TOPO MAP		STATE	COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
Washington		BODIE Mtn. -15'		WASH.	OKANOGAN					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
			plates → (qr. os)						3626.9							
129	78		148° 05' (144° 59')		6.9	93° 30'	-4.8	-11.7		3615.2		-64	+45	723130	2455745	
130	467		157° 35' (154° 29')		8.8	94° 10'	-29.6	-38.4		3588.5		-367	+175	722827	2455875	
131	733	730.9	154° 39' 40"		6.1	94° 20'	-55.4	-61.5		3565.4	TP	-643	+348	722552	2456049	
131	733		(151° 33' 23")		1.8	265° 20'	-59.6	-61.4			TP	+	+			
TP ₂₆			0 00 00													
131	0				+5.2	H _i		+5.2	3570.6		X	0	0	722552	2456049	
TP ₂₇	266		150° 27' 38"		5.5	93° 40'	-16.6	-22.1		3548.5	TP	-138	+220	722415	2456270	
TP ₂₇	260		(122° 01' 01")		7.0	266° 40'	-15.1	-22.1			TP	+	+			
TP ₂₆			0 00 00													
TP ₂₇	0				+5.0	H _i		+5.0	3553.5		X	0	0	722415	2456270	
132	114		83° 10' (25° 11')		7.8	92° -	-4.0	-11.8		3541.7		+103	+49	722518	2456319	
133	442		74° 42' (16° 43')		7.8	94° -	-30.8	-38.6		3514.9		+423	+127	722838	2456397	
134	771		73° 22' (15° 23')		10.9	92° 20'	-31.4	-42.3		3511.2		+743	+205	723158	2456475	
135	1101		72° 20' (14° 21')		7.3	92° -	-38.4	-45.7		3507.8		+1067	+273	723462	2456543	
136	1430	1429.4	72° 58' 34"		10.1	91° 40'	-41.5	-51.6		3501.9	TP	+1381	+370	723797	2456641	ACROSS STA.
136	1430		(14° 59' 35")		10.2	268° 20'	-41.5	-51.7			TP	+	+			
TP ₂₇			0 00 00													
136	0				+5.25	H _i		+5.2	3507.1		X	0	0	723797	2456641	
137	334		212° 10' (47° 10')		9.3	-		-9.3		3497.8		+227	+245	724024	2456866	
138	662		210° 30' (45° 30')		6.3	-		-6.3		3500.8		+464	+472	724261	2457113	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.26.84		B. Potcamp		R. TROWBRIDGE		6834		R.T.		2		20			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Bodie mtn. -15'		WASH.		OKANOGAN								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
			PLATES → (9 RDS)						3507.1						
139	992		211° 00' (45° 00')		11.9	-		-11.9		3495.2		+689	+714	724486	2457355
TP ₂₈	993		210° 51' 54"		5.8	90° 20'	-58	-11.6		3495.5	TP	+692	+713	724490	2457355
TP ₂₈	993		(45° 51' 29")		5.9	267° 40'	-58	-11.7			TP	+1	+1		
136			0 00 00												
TP ₂₈	0				+5.25	H.I.		+5.2	3500.7		TP	0	0	724490	2457355
140	328		179° 19' 05"		5.9	91° 20'	-7.6	-13.5		3487.2	TP	+231	+233	724722	2457589
140	328		(45° 10' 34")		5.0	91° 30'	-8.6	-13.6			TP	+1	+1		
TP ₂₈			0 00 00												
140	0				+5.0	H.I.		+5.0	3492.2		TP	0	0	724722	2457589
141	329		162° 05' (27° 16')		5.7	91° 30'	-8.6	-14.3		3477.9		+292	+151	725014	2457710
142	659		161° 20' (26° 31')		8.1	91° 30'	-17.2	-25.3		3466.9		+590	+294	725312	2457883
TP ₂₉	820		159° 35' 24"		6.3	92° -	-28.6	-34.9		3457.3	TP	+744	+343	725467	2457933
TP ₂₉	820		(24° 45' 58")		6.2	268° -	-28.6	-34.8			TP	+1	+1		
140			0 00 00												
TP ₂₉	0				+5.15	H.I.		+5.1	3462.4		TP	0	0	725467	2457933
143	169		182° 45' (27° 31')		6.2	94° -	-11.8	-18.0		3444.4		+150	+78	725617	2458011
144	498		181° 25' (26° 11')		6.4	94° -	-34.7	-41.1		3421.3		+447	+220	725914	2458153
TP ₃₀	572	570.6	181° 26' 10"		4.2	94° -	-39.9	-44.1		3418.3	TP	+512	+252	725980	2458186
TP ₃₀	572		(26° 12' 08")		4.2	266° -	-39.9	-44.1			TP	+1	+1		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-26-84		B. Cotcamp		R. Trowbridge		6834		R.T.		W		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Bodie mtn - 15'		WASH.		OKANOGAN								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (qrios)												
TP ₂₉			0 00 00												
TP ₃₀	0				+5.0	H.i		+5.0	3423.3		T	0	0	725980	2458186
145	271		224° 45' 06"		5.7	91° 30'	-7.1	-12.8		3410.5	TP	+88	+256	726069	2458442 ACROSS STA.
145	271		(70° 57' 14")		6.4	91° 20'	-6.3	-12.7			TP	+1			
TP ₃₀			0 00 00												
145	0				+4.9	H.i		+4.9	3415.4		T	0	0	726069	2458442
146	332		210° 05' (101° 02')		6.3	91° -	-5.8	-12.1		3403.3		-64	+326	726005	2458768
TP ₃₁	437		210° 40' 25"		6.1	91° -	-7.6	-13.7		3401.7	TP	-88	+428	725982	2458870
TP ₃₁	437		(101° 37' 39")		6.0	269° -	-7.6	-13.6			TP	+1			
145			0 00 00												
TP ₃₁	6				+5.1	H.i		+5.1	34106.8		T	0	0	725982	2458870
147	227		198° 45' (118° 23')		9.2	87° -	+11.9	+2.7		3409.5		-108	+200	725874	2459070
148	557		196° 05' (117° 43')		7.3	87° -	+29.2	+21.9		3428.7		-259	+493	725723	2459323
TP ₃₂	654	653.3	196° 48' 10"		5.1	87° 20'	+30.4	+25.3		3432.1	TP	-311	+575	725672	2459445
TP ₃₂	654		(118° 25' 49")		5.1	272° 40'	+30.4	+25.3			TP	+1			
TP ₃₁			0 00 00												
TP ₃₂	0				+5.15	H.i		+5.1	3437.2		T	0	0	725672	2459445
149	237		201° 55' (140° 21')		5.1	88° -	+8.3	+3.2		3440.4		-182	+151	725490	2459546
150	566		198° 55' (137° 21')		6.5	87° 50'	+21.4	+14.9		3452.1		-416	+383	725256	2459828
151	896		198° 20' (136° 46')		9.4	87° 50'	+33.9	+24.5		3461.7		-653	+614	725019	2460059

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.26.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		22			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington				WASH.		OKANOGAN								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
			Plates → (92.05)												
TP33	1070	1069.4	198° 32' 49"		7.2	88° -	+37.4	+30.2		3467.4	TP	-782	+730	724891	2460175
TP33	1070		(136° 58' 38")		7.1	272° -	+37.4	+30.3			TP	+			
TP32			0° 00' 00"												
TP33	0				+4.65	M.		+4.6		3472.0	TP	0	0	724891	2460175 H.L.
152	185		238° 15' (195° 14')		6.3	89° -	+3.2	-3.1		3468.9		-179	-49	724712	2460126
153	509		232° 05' (189° 04')		5.7	88° 50'	+10.4	+4.7		3476.7		-503	-80	724388	2460055
154	839		232° 45' (189° 44')		6.3	88° 50'	+17.1	+10.8		3482.8		-827	-142	724064	2460033
155	1169		232° 46' 51"		4.8	88° 50'	+23.8	+19.0		3491.0	TP	-1152	-198	723740	2459977
155	1169		(189° 45' 29")		4.7	271° 10'	+23.8	+19.1			TP	+			
TP33			0° 00' 00"												
155	0				+5.15	M.		+5.1		3496.1	TP	0	0	723740	2459977 L. area
156	324		131° 30' (141° 15')		6.7	88° -	+11.3	+4.6		3500.7		-253	+203	723487	2460180
TP34	546		131° 02' 03"		5.7	87° 50'	+20.6	+14.9		3511.0	TP	-423	+345	723318	2460322 L.
TP34	546		(140° 47' 32")		5.8	272° 10'	+20.6	+14.8			TP	+			
156 155			0° 00' 00"												
TP34	0				+5.25	M.		+5.2		3516.2	TP	0	0	723318	2460322
157	107		201° 30' (162° 18')		7.3	88° 30'	+2.8	-4.5		3516.7		-102	+33	723216	2460355
158	436		205° 35' (166° 23')		7.0	88° 30'	+11.4	+4.4		3520.6		-424	+103	722894	2460425
159	766		204° 08' 02"		2.9	88° 30'	+20.1	+17.2		3533.4	TP	-739	+199	722579	2460521
159	766		(164° 55' 34")		2.8	271° 30'	+20.1	+17.3			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-27-84	INSTRUMENT MAN B Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY R.T. W	LINE NO. 2	PAGE 23
AREA Washington	TOPO MAP Bodie mtn. -15'	STATE WASH.	COUNTY OKANOGAN	TWP	RANGE	PPM
			PARTY MANAGER L.O. Davis			

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP			0° 00' 00"												
159	0				+5.15	H.		+5.1	3538.5		T	0	0	722,579	2,460,521
160	330		170° 25' (155° 21')		5.3	89°	+5.8	+0.5		3539.0		-300	+138	722,279	2,460,651
TP ₁	530		169° 39' 56"		7.0	89°	+9.3	+2.3		3540.8	TP	-479	+227	722,100	2,460,748
TP ₁	530		(154° 35' 30")		7.0	211°	+9.3	+2.3			TP				
159			0° 00' 00"												
TP ₁	0				+5.15	H.		+5.1	3545.9		T	0	0	722,100	2,460,748
161	132		196° 10' (170° 46')		6.3	92° 40'	-6.1	-12.4		3533.5		-130	+21	721,970	2,460,719
11	254		192° 16' 12" (166° 51' 42")		9.1	92° 40'	-11.8	-20.9		3525.0		-247	+58	721,853	2,460,806
162	461		193° 55' (168° 31')		6.6	93° 40'	-29.5	-36.1		3509.8		-452	+92	721,648	2,460,840
TP ₂	591	589.8	194° 15' 38"		5.2	93° 40'	-37.8	-43.0		3502.9	TP	-579	+114	721,521	2,460,862
TP ₂	591		(168° 51' 08")		5.3	266° 20'	-37.8	-43.1			TP				
TP ₁			0° 00' 00"												
TP ₂	0				+5.3	H.		+5.3	3508.2		T	0	0	721,521	2,460,862
163	202		203° 30' (192° 21')		6.8	93°	-10.6	-17.4		3490.8		-197	-43	721,324	2,460,819
TP ₃	245		202° 30' 28"		7.4	93°	-12.8	-20.2		3488.0	TP	-240	-48	721,281	2,460,814
TP ₃	245		(191° 21' 36")		6.7	93° 10'	-13.5	-20.2			TP				
TP ₂			0° 00' 00"												191° 25' 04"
TP ₃	0				+5.2	H.		+5.2	3493.2		T	0	0	721,281	2,460,814
164	273		161° 38' (173° 03')		12.0	92° 40'	-12.7	-24.7		3468.5		-271	+33	721,010	2,460,847

corrected grid azimuth
sunshot taken @ this spot

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.27.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		24			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Bodie mtn. -15'		WASH.		OKANOGAN								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
TP4	489	488.0	156° 15' 25"		7.0	93° 40'	-31.3	-38.3		3454.9	TP	-477	+104	720,804	246,918
TP4	489		(167° 40' 29")		7.1	266° 26'	-31.3	-38.4			TP				
TP3			0° 00' 00"												
TP4	0				+5.1	Hi		+5.1		3460.0	TP	0	0	720,804	246,918
165	111		206° 10' (193° 50')		7.1	92° 40'	-5.2	-12.3		3447.7		-108	-27	720,696	246,891
166	441		205° 30' (193° 10')		8.1	92° 40'	-20.5	-28.6		3431.4		-429	-100	720,375	246,818
TP3	608	607.3	206° 24' 47"		6.0	92° 40'	-28.3	-34.3		3425.7	TP	-589	-148	720,215	246,970
TP3	608		(194° 05' 16")		6.1	267° 26'	-28.3	-34.4			TP				
TP4			0° 00' 00"												
TP5	0				+5.2	Hi		+5.2		3430.9	TP	0	0	720,215	246,970
167	164		187° 30' (201° 35')		5.7	93° 30'	-10.0	-15.7		3415.2		-153	-60	720,062	246,910
168	494		- - (- -)		10.8	93° 30'	-30.2	-41.0		3389.9		-459	-182	719,756	246,588
169	824		187° 00' (201° 05')		7.1	94° 10'	-59.9	-67.0		3363.9		-769	-296	719,446	246,474
TP6	1001	998.4	186° 21' 21"		7.7	94° 10'	-72.7	-80.4		3350.5	TP	-935	-349	719,280	246,421
TP6	1001		(200° 20' 37")		7.8	265° 50'	-72.7	-80.5			TP				
TP3			0° 00' 00"												
TP6	0				+5.35	Hi		+5.3		3355.8	TP	0	0	719,280	246,421
170	152		165° 05' (185° 32')		6.1	94° -	-10.6	-16.7		3339.1		-151	-15	719,129	246,406
171	482		165° 25' (185° 52')		7.1	94° -	-33.6	-40.7		3315.1		-479	-49	718,801	246,372

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-27-84		B. Cotcamp		R. Troubridge		6834		R.T.		2		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		BOOIE Mtn. -15'		WASH.		OKANOGAN								L.D. 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 ₇	886	883.3	164° 06' 22"		5.8	94° 30'	-69.5	-75.3		3280.5	TP	-880	-70	718,400	2,416,351
TP ₇	886		(184° 32' 59")		5.9	265° 30'	-69.5	-75.4			TP				
TP ₆			0 00 00												
TP ₇	0				+5.2	Mi		+5.2	3285.7		T	0	0	718,400	2,416,351
172	80		14° 10' (18° 43')		6.2	84° 30'	+77	+1.5		3287.2		+76	+26	718,476	2,416,377
173	250		208° 50' (213° 23')		6.7	93° 50'	-167	-23.4		3262.3		-209	-138	718,191	2,416,213
TP ₈	261	260.2	203° 46' 49"		3.6	94° 30'	-20.5	-24.1		3261.6	TP	-229	-123	718,171	2,416,228
TP ₈	261		(208° 19' 48")		3.6	265° 30'	-20.5	-24.1			TP				
TP ₇			0 00 00												
TP ₈	0				+5.1	Mi		+5.1	3266.7		T	0	0	718,171	2,416,228
174	312	310.8	170° 03' 00"		5.8	95°	-272	-33.0		3233.7	TP	-295	-98	717,876	2,416,130
174	312		(198° 22' 48")		5.9	265°	-272	-33.1			TP				
TP ₈			0 00 00												
174	0				+5.25	Mi		+5.2	3238.9		T	0	0	717,876	2,416,130
175	329		189° 50' (208° 13')		6.6	94°	-229	-29.5		3209.4		-290	-156	717,586	2,415,974
176	658	656.4	187° 44' 58"		8.3	94°	-459	-54.2		3184.7	TP	-589	-289	717,287	2,415,841
176	658		(206° 07' 46")		8.3	266°	-459	-54.2			TP				
174			0 00 00												
176	0				+5.1	Mi		+5.1	3189.8		T	0	0	717,287	2,415,841
177	330		160° 00' (186° 08')		5.8	94° 40'	-26.8	-32.6		3157.2		-328	-35	716,959	2,415,806

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-27-84		B. Cotcamp		R. Trowbridge		6834		R.T. W		2		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Bodie mtn. -15'		WASH.		OKANOGAN								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
			plates in (90' os)												
TP9	507	505.1	156° 29' 53"		4.9	95°	-44.2	-49.1		3140.7	TP	-505	-23	716,782	2459,818
TP9	507		(182° 37' 39")		4.9	265°	-44.2	-49.1			TP				
176			0 00 00												
TP9	0				+5.15	H.i.		+5.2	3145.9		TP	0	0	716,782	2459,818
178	151		166° 20' (168° 58')		5.7	91° 10'	-3.1	-8.8		3137.1		-148	+29	716,634	2459,847
179	481		161° 35' (164° 13')		8.3	95° 10'	-43.3	-51.6		3094.3		-463	+131	716,319	2459,949
TP180	810	806.3	159° 30' 37"		4.9	95° 30'	-77.6	-82.5			TP	-767	+248	716,015	2460,066
TP180	810		(162° 08' 16")		4.8	264° 30'	-77.6	-82.4		3063.5	TP				
TP9			0 00 00												
180	0				+5.2	H.i.		+5.2	3068.7		TP	0	0	716,015	2460,066
181	327	326.2	159° 06' 18"		3.8	94°	-22.8	-26.6			TP	-254	+204	715,761	2460,270
181	327		(141° 14' 34")		3.7	266°	-22.8	-26.5		3042.2	TP				
180			0 00 00												
181	0				+5.3	H.i.		+5.3	3047.5		TP	0	0	715,761	2460,270
182	330		170° 10' (131° 25')		5.9	93° 20'	-19.2	-25.1		3022.4		-218	+247	715,543	2460,517
183	655		176° 25' (137° 40')		11.9	94°	-45.7	-57.6		2989.9		-484	+441	715,277	2460,711
184	981	978.6	177° 30' 14"		7.1	94°	-68.4	-75.5			TP	-736	+645	715,025	2460,915
184	981		(138° 44' 48")		7.0	266°	-68.4	-75.4		2972.1	TP				
181			0 00 00												
184	0				+5.3	H.i.		+5.3	2977.4		TP	0	0	712,025	2460,915

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE					
7-27-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2	27					
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER					
WASHINGTON		Bodie mt. -15'		WASH.		OKANOGAN					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	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
									2977.4							
185	332		173° 15' (132° 00')		6.6	91° 10'	-6.8	-13.4		2964.0		-222	+247	714803	2461162	
186	663		172° 18' 04"		7.8	91° 10'	-13.5	-21.3		2956.1	TP	-435	+500	714590	2461415	
186	663		(131° 02' 52")		7.8	268° 50'	-13.5	-21.3			TP					
184			0 00 00													
186	0				+5.2	M.		+5.2	2966.3		TP	0	0	714590	2461415	
187	323		166° 38' 47"		4.5	92°	-11.3	-15.8		2945.5	TP	-150	+286	714440	2461701	
187	323		(117° 41' 39")		3.6	92° 10'	-12.2	-15.8			TP					
186			0 00 00													
187	0				+5.25	M.		+5.3	2950.8		TP	0	0	714440	2461701	
188	329		189° 30' (127° 12')		6.9	91° 20'	-7.7	-14.6		2936.2		-199	+262	714241	2461963	
TP ₁₁	438		186° 48' 19"		6.2	91° 30'	-11.5	-17.7			TP	-248	+361	714192	2462062	
TP ₁₁	438		(124° 29' 58")		6.1	268° 30'	-11.5	-17.6*		2933.2	TP					
187			0 00 00													
TP ₁₁	0				+5.3	M.		+5.3	2938.5		TP	0	0	714192	2462062	
189	216		154° 06' (98° 30')		5.8	90° 40'	-2.5	-8.3		2930.2		-32	+214	714160	2462276	
TP ₁₂	419		151° 05' 49"		4.6	90° 40'	-4.9	-9.5		2929.0	TP	-41	+417	714151	2462479	
TP ₁₂	419		(95° 35' 47")		5.8	90° 30'	-3.7	-9.5			TP					
TP ₁₂			0 00 00													
TP ₁₂	0		(151° 03' 53")		+5.2	M.		+5.2	2934.2		TP	0	0	714151	2462479	
190	123		235° 28' 06"		3.9	-	*-3.9			2930.3	TP	-108	+60	714043	2462539	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7.27.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY R.T.	LINE NO. 2	PAGE 28
AREA Washington	TOPO MAP Bodie Mtn. - IS	STATE WASH.	COUNTY OKANOGAN	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP12			0° 00' 00"												
190	0				+ 5.3	Hi		+5.3	2935.6		T	0	0	714043	2462539
TP13	263		208° 10' 16"		6.4	96° 50'	-3.8	-10.2		2925.4	TP	-263	+4	713780	2462543
TP13	263		(179° 14' 09")		5.7	91° -	-4.6	-10.3			TP				
190			0° 00' 00"												
TP13	0				+ 5.35	Hi		+5.4	2930.8		T	0	0	713780	2462543
191	56		140° 30' (139° 44')		7.4	-		-7.4		2923.4		-38	+32	713742	2462575
TP14	99		118° 33' 31"		5.5	93° 30'	-6.0	-11.5		2919.3	TP	-46	+87	713734	2462630
TP14	99		(117° 47' 40")		5.2	93° 40'	-6.3	-11.5			TP				
TP13			0° 06' 00"												
TP14	0				+ 5.1	Hi		+5.1	2924.4		T	0	0	713734	2462630
192	256		136° 25' (74° 13')		12.0	94° 30'	-20.1	-32.1		2892.3		+70	+246	713804	2462876
TP15	421	419.1	137° 39' 52"		6.1	95° 30'	-40.3	-46.4		2878.0	TP	+105	+406	713839	2463036
TP15	421		(75° 27' 32")		7.3	95° 20'	-39.1	-46.4			TP				
TP14			0° 00' 00"												
TP15	0				+ 5.05	Hi		+5.1	2883.1		T	0	0	713839	2463036
193	171		224° 52' (126° 20')		6.3	94° 40'	-13.9	-20.2		2862.9		-86	+148	713753	2463184
TP16	279	278.1	227° 14' 07"		7.0	94° 40'	-22.7	-29.7			TP	-150	+234	713689	2463270
TP16	279		(122° 41' 39")		6.9	265° 20'	-22.7	-29.6		2853.5	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-26-84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY R.T.	LINE NO. 2	PAGE 29
AREA WASHINGTON	TOPO MAP Bodie mtn. -15'	STATE WASH.	COUNTY OKANOGAN	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₁₅			0° 00' 00"												
TP ₁₆	0				+5.2	Hi		+5.2	2858.7		TP	0	0	713689	2463270
194	228		217° 25' (160° 01')		7.9	94°	-15.9	-23.8		2834.9		-214	+78	713475	2463348
TP ₁₇	304	302.8	216° 15' 35"		2.5	95°	-26.5	-29.0			TP	-283	+109	713406	2463379
TP ₁₇	304		(158° 57' 14")		2.4	265°	-26.5	-28.9		2829.8	TP				
TP ₁₆			0° 00' 00"												
TP ₁₇	0				+5.2	Hi		+5.2	2835.0		TP	0	0	713406	2463379
195	227		119° 20' (98° 17')		10.2	93° 30'	-13.9	-24.1		2810.9		-33	+225	713373	2463604
TP ₁₈	358	358.9	121° 11' 24"		3.9	94° 30'	-28.1	-32.0		2803.0	TP	-63	+351	713343	2463730
TP ₁₈	358		(100° 08' 38")		3.9	265° 30'	-28.1	-32.0			TP				
TP ₁₇			0° 00' 00"												
TP ₁₈	0				+5.2	Hi		+5.2	2808.2		TP	0	0	713343	2463730
196	203		211° 40' (131° 49')		6.8	93°	-10.6	-17.4		2790.8		-135	+151	713208	2463881
TP ₁₉	409	408.4	211° 30' 14"		5.2	93°	-21.4	-26.6			TP	-271	+305	713072	2464035
TP ₁₉	409		(131° 38' 52")		5.1	267°	-21.4	-26.5		2781.7	TP				
TP ₁₈			0° 00' 00"												
TP ₁₉	0				+5.2	Hi		+5.2	2786.9		TP	0	0	713072	2464035
197	119		178° 30' (130° 09')		6.8	92° 20'	-4.8	-11.6		2775.3		-77	+91	712995	2464126
SEC. CORNER	296		173° 56' 39"		4.2	94°	-20.6	-24.8		2762.1		-172	+240	712900	2464275
			(125° 35' 31")												

U = 712,900 x = 2,464,275
 1/2 section corner
 Horiz. y = +48
 CORR. y = +42

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7.27.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY R.T.	LINE NO. 2	PAGE 30
AREA WASHINGTON	TOPO MAP BODIE mtn. -15'	STATE WASH.	COUNTY OKANOGAN	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP20	314	313.2	173° 03' 53"		2.4	94° 10'	-22.8	-25.2		2761.7	TP	-178	+257	712,897	2464292
TP20	314		(124° 42' 45")		3.3	94° -	-21.9	-25.2			TP	+3			
TP9			0 00 00												
TP20	0				+5.0	Hi		+5.0	2766.7		T	0	0	712,897	2464292
198	132		188° 25' (133° 08')		7.7	91° -	-2.3	-10.0		2756.7		-90	+96	712,807	2464388
TP21	375		189° 30' 59"		2.8	91° -	-6.5	-9.3			TP	-262	+269	712,638	2464561
TP21	375		(134° 13' 44")		2.7	269° -	-6.5	-9.2		2757.5	TP	+3			
TP20			0 00 00												
TP21	0				+5.25	Hi		+5.3	2762.8		T	0	0	712,638	2464561
199	84		172° 30' (126° 44')		6.3	92° -	-2.9	-9.2		2753.6		-50	+67	712,588	2464628
TP22	119		168° 10' 14"		4.6	93° 30'	-7.3	-11.9			TP	-64	+100	712,577	2464661
TP22	119		(122° 23' 58")		4.9	93° 20'	-6.9	-11.8		2751.0	TP	+3			
TP21			0 00 00												
TP22	0				+5.25	Hi		+5.3	2756.3		T	0	0	712,577	2464661
200	287		168° 30' (116° 54')		8.0	94° 40'	-23.3	-31.3		2725.0		-102	+268	712,475	2464729
201	617		168° 25' (110° 49')		7.7	94° -	-43.0	-50.7		2705.6		-219	+577	712,358	2465238
TP23	996	994.8	167° 35' 03"		2.0	92° 50'	-49.2	-51.2		2705.1	TP	-340	+935	712,240	2465596
TP23	996		(109° 59' 01")		5.0	267° 20'	-46.3	-51.3			TP	+3			
TP22			0 00 00						2710.1						
202	55		7° 45' (297° 44' 01")		7.9	-		-7.9		2702.2		+26	-49	712,266	2465547

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7.27.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. TROWBRIDGE	PARTY NUMBER 6834	NOTES CHECKED BY R.T.	LINE NO. 2	PAGE 31
AREA Washington	TOPO MAP	STATE WASH.	COUNTY OKANOGAN	TWP	RANGE	PPM
					PARTY MANAGER L.O. Davis	

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (grips)												
TP23	0				+5.0	M.		+5.0	2710.1		T	0	0	712,240	246,596
203	274		186° 45' (116° 44')		8.0	93° -	-14.3	-22.3		2687.8		-123	+245	712,117	246,584
TP24	387		184° 13' 52"		5.3	93° -	-20.3	-25.6			TP	-159	+352	712,084	246,594
TP24	387		(114° 12' 53")		5.2	267° -	-20.3	-25.5		2684.6	TP				
TP23			0 00 00												
TP24	0				+5.15	M.		+5.2	2689.8		T	0	0	712,084	246,594
204	214		160° 33' 18"		11.4	92° -	-7.5	-18.9			TP	-18	+213	712,069	246,161
204	214		(94° 46' 11")		7.6	93° -	-11.2	-18.8		2671.0	TP				
TP24			0 00 00												
204	0				+5.2	M.		+5.2	2676.2		T	0	0	712,069	246,161
205	329		163° 30' (78° 16')		6.4	92° -	-11.5	-17.9		2658.3		+67	+322	712,136	246,483
206	658		160° 40' (75° 26')		7.7	92° -	-23.0	-30.7		2645.5		+165	+637	712,234	246,798
TP25	892		161° 12' 26"		4.8	92° -	-31.1	-35.9		2640.3	TP	+216	+865	712,288	246,026
TP25	892		(75° 58' 37")		7.4	91° 50'	-28.5	-35.9			TP				
204			0 00 00												
TP25	0				+5.05	M.		+5.1	2645.4		T	0	0	712,288	246,026
207	97		197° 15' (93° 14')		6.4	-		-6.4		2639.0		-5	+97	712,283	246,123
208	422		199° 27' 22"		0.6	-		-0.6			TP	-40	+420	712,250	246,446
208	422		(95° 25' 59")		2.7	TH	+2.1	-0.6		2644.8	TP		+2		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-27-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		32			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		BODIE mtn. -15'		WASH.		OKANOGAN								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 -	EAST + WEST -		Y
												LAT.	DEP.		
TP25			0 00 00												
208	0				5.15	M.		+5.2	2650.0		T	0	0	712,250	2467446
209	329		160° 22' 29"		10.4	91°	-5.7	-16.1		2633.9	TP	+81	+319	712,333	2467765
209	329		(75° 48' 28")		4.7	92°	-11.5	-16.2			TP	+2			
208			0 00 00												
X 209	0				5.1	M.		+5.1	2639.0		T	0	0	712,333	2467765
210	330		177° 00' (12° 49')		8.3	94° 20'	-24.9	-33.2		2605.7		+97	+315	712,430	2468080
TP26	571	569.4	176° 50' 10"		3.6	94° 20'	-43.1	-46.7		2592.2	TP	+170	+543	712,505	2468308
TP26	571		(72° 38' 38")		7.0	94°	-39.8	-46.8			TP	+2			
209			0 00 00												
TP26	0				5.2	M.		+5.2	2597.4		T	0	0	712,505	2468308
211	92		197° 25' (90° 04')		4.8	92°	-3.2	-8.0		2589.4		+0	+92	712,505	2468400
IF	168		193° 50' 31" (86° 02' 09")		8.6	92°	-5.9	-14.5		2582.9	IF	+10	+168	712,515	2468474
TP27	368		195° 21' 28"		5.2	92°	-12.8	-18.0			TP	+13	+368	712,520	2468676
TP27	368		(78° 00' 06")		5.1	268°	-12.8	-17.0		2579.5	TP	+2			
TP26			0 00 00												
TP27	0				5.2	M.		+5.2	2584.7		T	0	0	712,520	2468676
212	49		168° 20' (76° 20')		6.0	89°	+0.9	-5.1		2579.6		+12	+48	712,532	2468724
213	373		149° 25' (51° 25')		6.2	91° 30'	-9.8	-16.0		2568.7		+201	+314	712,721	2468990

y=712,570 x=2,468,420
T-Intersect.

SURVEY NOTES-HIGH RESOLUTION DATA
GEO-445

Geosource Inc.

H.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-28-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		33			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON				WASH.		OKAHUGAN								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
			plates → (90° 05')												
TP28	455		148° 17' 40"		6.8	91° 30'	-11.9	-18.7		2516.0	TP	+252	+378	712,774	2,469,054
TP28	455		(56° 17' 46")		6.8	268° 30'	-11.9	-18.7			TP	+2			
TP21			0° 00' 00"												
TP28	0				+5.1	H.I.		+5.1	2571.1		T	0	0	712,774	2,469,054
214	252		194° 25' (70° 43')		8.2	91° -	-4.4	-12.6		2558.5		+83	+238	712,857	2,469,292
TP29	412		91° 05' 40"		4.4	92° -	-14.4	-18.8		2552.3	TP	+158	+380	712,934	2,469,434
TP29	412		(67° 23' 26")		4.5	268° -	-14.4	-18.9			TP	+2			
TP28			0° 00' 00"												
TP29	0				+5.25	H.I.		+5.3	2557.6		T	0	0	712,934	2,469,434
215	166		160° 25' (47° 48')		5.9	93° -	-8.7	-14.6		2543.0		+112	+123	713,046	2,469,557
sec. COR. 216	186		166° 09' 09" (53° 32' 35")		12.0	93° -	-9.7	-21.7		2535.9	sec. COR.	+110	+149	713,044	2,469,583 + section corner
216	495		154° 45' (42° 08')		6.6	92° 10'	-18.7	-25.3		2532.3		+367	+332	713,301	2,469,766
TP30	547		154° 35' 55"		5.0	92° 10'	-20.7	-25.7		2531.9	TP	+406	+366	713,342	2,469,800
TP30	547		(41° 59' 21")		5.1	262° 50'	-20.7	-25.8			TP	+2			
TP29			0° 00' 00"												
TP30	0				+5.05	H.I.		+5.1	2537.0		T	0	0	713,342	2,469,800
217	285		208° 04' 09"		7.4	91° 30'	-7.5	-14.9		2522.1	TP	+97	+268	713,441	2,470,028
217	285		(70° 03' 30")		6.6	91° 40'	-8.3	-14.9			TP	+2			
TP30			0° 00' 00"												
217	0				+5.0	H.I.		+5.0	2527.1		T	0	0	713,441	2,470,028

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	7-28-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	R.T. W	LINE NO.	2	PAGE	34
AREA	Washington	TOPO MAP	BODIE mtn - 15	STATE	WASH.	COUNTY	OKANOGAN	TWP		RANGE		PPM	
												PARTY MANAGER L.O. 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
TP31	241		191° 10' 14"		5.4	92°	-8.4	-13.8		2513.3	TP	+37	+238	713.480	2470306
TP31	241		(81° 13' 44")		5.4	268°	-8.4	-13.8			TP	+2			
TP30 ²¹¹			0° 00' 00"												
TP31	0				+5.0	H.		+5.0		2515.3	TP	0	0	713.480	2470306
218	79		164° 45' (65° 51')		5.3	92° 30'	-3.4	-8.7		2509.6		+32	+72	713.512	2470378
TP32	369	368.3	151° 33' 46"		8.4	93° 30'	-22.5	-30.9		2487.4	TP	+223	+293	713.705	2470559
TP32	369		(52° 47' 30")		8.5	266° 30'	-22.5	-31.0			TP	+2			
TP31			0° 00' 00"												
TP32	0				+5.0	H.		+5.0		2492.5	TP	0	0	713.705	2470559
219	41		221° 05' (93° 53')		6.3	93° 30'	-2.5	-8.8		2483.6		-3	+41	713.702	2470640
TP33	468	467.4	211° 23' 08"		5.2	92° 50'	-23.1	-28.3		2464.1	TP	+47	+465	713.754	2471064? trees.
TP33	468		(84° 10' 38")		5.3	267° 10'	-23.1	-28.4			TP	+2			
TP32			0° 00' 00"							2469.3					
220	103		349° 05' (253° 16')		7.0	87° 30'	+4.5	-2.5		2466.8		-30	-99	713.724	2470965
#	75		347° 02' 38" (251° 31' 16')		7.0	87° 30'	+3.3	-3.7		2465.6		-24	-71	713.730	2470993
TP33	0				+5.2	H.		+5.2		2469.3	TP	0	0	713.754	2471064
221	200		124° 05' (28° 16')		6.3	91° 30'	-5.2	-11.5		2457.8		+176	+95	713.930	2471154
TP34	91		138° 29' 01"		6.8	91° 30'	-2.4	-9.2			TP	+72	+56	713.828	2471120
TP34	91		(37° 39' 45")		6.5	91° 40'	-2.6	-9.1		2460.2	TP	+2			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-28-84		B. Cotcamp		R. Trowbridge		6834		R.T. W		2		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Bodie mtn. -15'		WASH.		OKANOGAN								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP38			0° 00' 00"												
TP34	0				+5.25	4i		+5.3	2465.5		T	0	0	713,828	2471,120
TP35	312		151° 48' 03"		3.1	92° -	-10.9	-14.0		2451.5	TP	+308	+51	714,138	2471,171
TP35	312		(9° 27' 48")		5.8	91° 30'	-8.2	-14.0			TP	+2			
TP34			0° 00' 00"												
TP35	0				+5.3	4i		+5.3	2456.8		T	0	0	714,138	2471,171
222	133		227° 20' (56° 48')		6.7	92° -	-4.6	-11.3		2445.5		+73	+111	714,211	2471,282
TP36	273		229° 15' 34"		7.2	92° -	-9.5	-16.7		2440.1	TP	+142	+233	714,282	2471,404
TP36	273		(58° 43' 22")		7.2	268° -	-9.5	-16.7			TP	+2			
TP35			0° 00' 00"												
TP36	0				+5.15	4i		+5.2	2445.3		T	0	0	714,282	2471,404
223	192		197° 00' (75° 43')		6.8	91° 50'	-6.1	-12.9		2432.4		+47	+186	714,329	2471,540
224 TP37	524		194° 24' 22"		6.5	91° 50'	-16.8	-23.3		2422.0	TP	+152	+501	714,436	2471,905
224 TP37	524		(73° 07' 44")		3.5	267° 50'	-19.8	-23.3			TP	+2			ACROSS STR.
TP36			0° 00' 00"												
224	0				+5.3	4i		+5.3	2427.3		T	0	0	714,436	2471,905
TP37	240		194° 25' 25"		4.7	93° -	-12.6	-17.3		2410.0	TP	+10	+239	714,448	2472,144
TP37	240		(87° 33' 09")		4.0	93° 10'	-13.3	-17.3			TP	+2			
224			0° 00' 00"												
TP37	0				+5.05	4i		+5.1	2415.1		T	0	0	714,448	2472,144

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-28-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		36			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Bodie mtn. -15'		Washington		Okanogan								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (S.R.IOS)												
225	86		158° 45' (66° 18')		5.6	-	-5.6		2409.5			+35	+79	714,483	2472223
TP38	185		154° 13' 20"		7.3	-	-7.3		2407.8	TP		+87	+163	714,537	2472307
TP38	185		(61° 46' 29")		8.2	TH	+0.9	-7.3			TP	+2			
TP31			0 00 00												
TP38	0				+5.2	Mi		+5.2	2413.0		TP	0	0	714,537	2472307
226	228		167° 35' 09"		10.2	91°	-4.0	-14.2	2398.8	TP		+148	+173	714,687	2472480
226	228		(49° 21' 38")		6.3	92°	-8.0	-14.3			TP	+2			
TP38			0 00 00												
T226	0				+5.15	Mi		+5.2	2404.0		TP	0	0	714,687	2472480
TP39	160		201° 00' 19"		2.6	93°	-8.4	-11.0	2393.0	TP		+54	+150	714,743	2472630
TP39	160		(76° 21' 57")		5.4	92°	-5.6	-11.0			TP	+2			
226			0 00 00												
TP39	0				+5.25	Mi		+5.3	2398.3		TP	0	0	714,743	2472630
227	171		193° 55' (84° 17')		8.1	-	-8.1		2390.2			+17	+170	714,760	2472800
TP40	356		191° 56' 38"		3.9	-	-3.9		2394.4	TP		+48	+353	714,793	2472983
TP40	356		(82° 18' 35")		2.1	84	-1.8	-3.9			TP	+2			
TP39			0 00 00												
TP40	0				+5.3	Mi		+5.3	2399.7		TP	0	0	714,793	2472983
228	141		173° 05' (75° 24')		4.7	91°	-2.5	-7.2	2392.5			+36	+136	714,829	2473119

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7-28-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2	37				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
WASHINGTON		Bodie mtn. -15'		WASH.		OLANOGAN					L.O. 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
			Platos → (Grids)												
TP41	238		172° 31' 31"		5.4	91°	-4.2	-9.6		2390.1	TP	+62	+230	714,857	2473,213
TP41	238		(74° 50' 06")		5.4	209°	-4.2	-9.6			TP	"			
TP40			0° 00' 00"												
TP41	0				+5.2	H.i.		+5.2	2395.3		TP	0	0	714,857	2473,213
229	236		198° 55' (93° 45')		6.7	95°	-20.6	-27.3		2368.0		-15	+235	714,842	2473,448
TP42	385	384.1	199° 34' 33"		4.7	94°	-26.9	-31.6			TP	-30	+383	714,829	2473,546
TP42	385		(94° 24' 39")		11.4	93°	-20.1	-31.5		2363.8	TP	"			
TP41			0 00 00												
TP42	0				+5.25	H.i.		+5.3	2369.1		TP	0	0	714,829	2473,546
230	184		207° 10' (121° 35')		7.7	92°	-6.4	-14.1		2355.0		-96	+157	714,733	2473,753
231	512		202° 25' (116° 50')		8.5	92°	-17.9	-26.4		2342.7		-231	+457	714,598	2474,053
TP43	777		200° 54' 53"		8.4	92°	-27.1	-35.5			TP	-332	+702	714,498	2474,298
TP43	777		(115° 19' 32")		8.3	268°	-27.1	-35.4		2333.7	TP	"			
TP42			0 00 00												
TP43	0				+5.25	H.i.		+5.3	2339.0		TP	0	0	714,498	2474,298
232	60		159° 00' (94° 20')		5.3	90° 40'	-0.7	-6.0		2333.0		-5	+60	714,493	2474,358
233	386		158° 56' 00"		6.0	91° 40'	-11.2	-17.2		2321.8	TP	-29	+385	714,470	2474,683
233	386		(94° 15' 32")		6.1	268° 20'	-11.2	-17.3			TP	"			
TP43			0 00 00												
233	0				+5.1	H.i.		+5.1	2326.9		TP	0	0	714,470	2474,683

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	7.28.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	R.T. W	LINE NO.	2	PAGE	38	
AREA	WASHINGTON	TOPO MAP	BOONIE Mtn. -15'	STATE	WASH.	COUNTY	OKANOGAN	TWP		RANGE		PPM	PARTY MANAGER	L.O. 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
			Plumes → (9.005)						2326.9						
#	139		167° 31' 33" (81° 47' 05")		6.9	91° 40'	-4.0	-10.9		2316.0		+20	+138	714,490	2474821
234	324		167° 33' 04"		5.5	91°	-5.7	-11.2		2315.7	TP	+46	+321	714,519	2475004
234	324		(81° 48' 34")		5.5	269°	-5.7	-11.2			TP	-3			
233			0° 00' 00"												
234	0				+5.2	M.		+5.2	2320.9		T	0	0	714,519	2475004
235	318		206° 00' (107° 49')		8.4	91°	-5.5	-13.9		2307.0		-97	+303	714,422	2475307
TP44	397		203° 46' 52"		6.1	91° 30'	-10.4	-16.5		2304.4	TP	-107	+382	714,415	2475386
TP44	397		(105° 35' 28")		7.3	91° 20'	-9.2	-16.5			TP	-3			
234			0° 00' 00"												
TP44	0				+5.3	M.		+5.3	2309.7		T	0	0	714,415	2475386
236	251		152° 26' 01"		6.6	91°	-4.4	-11.0		2298.7	TP	+52	+246	714,470	2475633
236	251		(78° 01' 29")		2.2	92°	-8.8	-11.0			TP	-3	+1		ACROSS STR.
TP44			0° 00' 00"												
236	0				+5.25	M.		+5.3	2304.0		T	0	0	714,470	2475633
237	331		216° 00' (114° 01')		5.0	91°	-5.8	-10.8		2293.2		-135	+302	714,335	2475935
TP45	491		214° 13' 16"		6.8	91°	-8.6	-15.4			TP	-186	+454	714,287	2476088
TP45	491		(112° 14' 45")		6.7	269°	-8.6	-15.3		2288.7	TP	-3	+1		
236			0° 00' 00"												
TP45	0				+5.15	M.		+5.2	2293.9		T	0	0	714,287	2476088
238	167		172° 50' (105° 05')		10.8	91°	-2.9	-13.7		2280.2		-43	+161	714,244	2476249

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7-28-84		B. Cotcamp		R. TROWBRIDGE		6834		R.T.		2	39						
AREA		TOPO MAP		STATE	COUNTY	TWP	RANGE	PPM	PARTY MANAGER								
WASHINGTON		BODIE Mtn. -15'		WASH	OKANOGAN				L.O. Davis								
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
			PLATES → (grids)						2293.9								
239	496		170° 50' (103° 05')		10.7	91°	-8.7	-19.4		2274.5		-112	+483	714,175	2476,571		
TP46	614		170° 37' 42"		4.3	91°	-10.7	-15.0		2278.9	TP	-137	+598	714,151	2476,687		
TP46	614		(102° 52' 27")		4.3	269°	-10.7	-15.0			TP	"	"				
TP45			0 00 00														
TP46	0				+5.2	Mi		+5.2	2284.1		T	0	0	714,151	2476,687		
#	74		(134° 07' 31") 211 15 10		5.9	-		-5.9		2278.2	#	-51	+53	714,100	2476,740	#	-714,100 x = 2,476,740 Creek crossing
240	221		214° 20' (137° 12')		6.7	93°	-11.6	-17.2		2266.9		-162	+150	713,989	2476,837		
TP47	514	513.2	207° 49' 16"		4.5	93° 10'	-28.4	-32.9		2251.2	TP	-335	+389	713,814	2477,076		
TP47	514		(130° 41' 43")		3.6	93° 16'	-29.3	-32.9			TP						
TP46			0 00 00														
TP47	0				+5.35	Mi		+5.4	2256.6		T	0	0	713,816	2477,076		
241	31		144° 20' (95° 02')		4.8	94° 32'	-2.5	-7.3		2249.3		-3	+31	713,813	2477,107		
242	358		137° 30' (88° 12')		4.8	92° 30'	-15.6	-20.4		2236.2		+11	+358	713,827	2477,434		
TP48	539		142° 53' 59"		4.9	92° 08'	-20.1	-25.0		2231.6	TP	-34	+538	713,782	2477,614		
TP48	539		(93° 35' 42")		6.2	268°	-18.8	-25.0			TP						
TP47			0 00 00														
TP48	0				+5.15	Mi		+5.2	2236.8		T	0	0	713,782	2477,614		
243	137		196° 05' (109° 41')		5.9	91° 20'	-3.2	-9.1		2227.7		-46	+129	713,736	2477,743		
244	467		189° 38' 27"		5.1	91° 50'	-14.9	-20.0			TP	-107	+454	713,675	2478,068		
244	467		(103° 14' 09")		5.1	268° 10'	-14.9	-20.0		2216.8	TP						

MORIS 3-780
CORR. x = +3

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
7-28-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2	40				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
WASHINGTON		Bodie mtn. -15'		WASH.		OKANOGAN					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP48			PLATES → (92.105)							2216.8					
244	0		0 00 00		+5.4	H.		+5.4	2222.2		T	0	0	713.675	2478.068
TP49	275		193° 35' 42"		6.3	91°	-4.8	-11.1		2211.1	TP	-124	+245	713.551	2478.313
TP49	275		(116° 49' 51")		11.1	-		-11.1			TP				
244			0 00 00												
TP49	0				+5.2	H.		+5.2	2216.3		T	0	0	713.551	2478.313
245	51		155° 40' (92° 30')		5.8	-		-5.8		2210.5		-2	+51	713.549	2478.364
246	377		139° 00' (73° 50')		11.4	-		-11.4		2204.9		+105	+362	713.656	2478.675
TP50	471		136° 12' 34"		3.3	91°	-8.2	-11.5		2204.8	TP	+137	+450	713.688	2478.763
TP50	471		(73° 02' 25")		11.5	-		-11.5			TP				
TP49			0 00 00												
TP50	0				+5.3	H.		+5.3	2210.1		T	0	0	713.688	2478.763
247	239		194° 40' (87° 42')		7.3	91° 30'	-6.3	-13.6		2196.5		+10	+239	713.678	2479.002
TP51	446		217° 36' 05"		7.3	91°	-7.8	-15.1		2195.0	TP	-157	+417	713.531	2479.180
TP51	446		(110° 38' 30")		7.3	269°	-7.8	-15.1			TP				
TP50			0 00 00												
TP51	0				+5.3	H.		+5.3	2200.3		T	0	0	713.531	2479.180
248	74		220° 00' (150° 39')		6.8	-		-6.8		2193.5		-65	+36	713.466	2479.216
TP58	166		212° 19' 21"		9.5	-		-9.5		2190.8	TP	-133	+100	713.398	2479.280
TP58	166		(142° 57' 51")		3.7	92°	-5.8	-9.5			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-28-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		41			
AREA		TOPO. MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Bodie mtn. - 15'		WASH		OKANOGAN								L.O. 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 -	EAST + WEST -		Y
			PLATES → (GRIDS)												
TP57			0 00 00							2190.8					
TP58	0				+5.4	M.		+5.4	2196.2		1	0	0	713.398	2479280
TP59	109		165° 29' 43"		11.4	-		-11.4		2184.8	TP	-68	+85	713.330	2479365
TP59	109		(128° 27' 34")		1.9	95°	-9.5	-11.4			TP				
TP58			0 00 00												
TP59	0				+5.15	M.		+5.2	2190.0		1	0	0	713.330	2479365
249	131		210° 40' (159° 08')		8.9	93°	-6.9	-15.8		2174.2		-122	+47	713.208	2479412
250	458		215° 10' (163° 38')		5.0	93°	-24.0	-29.0		2161.0		-439	+129	712.891	2479494
251	788		215° 20' (163° 48')		6.4	92° 50'	-38.9	-45.3		2144.7		-757	+220	712.573	2479585
TP60	1711	1709.6	187° 58' 21"		5.3	92° 20'	-69.6	-74.9		2115.1	TP	-1239	+1178	712.091	2480543
TP60	1711		(136° 25' 55")		5.4	267° 46'	-69.6	-75.0			TP				136° 25' 55" sunshot
TP59			0 00 00												corrected GRID Azimuth FROM SUNSHOT TAKEN @
TP60	0				+5.15	M.		+5.2	2120.3		1	0	0	712.091	2480543
252	943		323° 04' (279° 27')		6.2	88° 40'	+22.0	+15.8		2136.1		+155	-930	712.246	2479613
IF	962		(267° 54' 59") 311° 32' 00"		7.8	89°	+16.8	+9.0		2129.3	IF	-35	-961	712.056	2479582
253	843		313° 10' (269° 33')		6.4	89°	+14.7	+8.3		2128.6		-7	-843	712.084	2479700
254	515		315° 45' (272° 08')		8.4	88° 40'	+12.0	+3.6		2123.9		+19	-515	712.110	2480028
255	185		317° 15' (273° 38')		6.1	88° 40'	+4.3	-1.8		2118.5		+12	-185	712.103	2480358
256	146		136° 33' (92° 50')		7.0	-		-7.0		2113.3		-7	+146	712.084	2480689
#	186		(105° 21") 133° 42' 48"		7.3	-		-7.3		2113.0	#	+0	+186	712.091	2480729

136° 25' 55" sunshot
 136° 22' 39" sunshot
 corrected GRID Azimuth
 FROM SUNSHOT TAKEN @
 This setup
 Y=712,100 X=2479,585
 IF T-Intersect.
 Okanogan County T
 Ferry County V
 Y=712,090 X=2480,700
 creek crossing in

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7.28.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY R.T.	LINE NO. 2	PAGE 42
AREA Washington	TOPO MAP Booie mtn. -15'	STATE WASH.	COUNTY Ferry	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			PLATES → (9 grids)						2120.3					
257	476		135° 10' (91° 33')		5.5	90° 20'	-2.8	-8.3		2112.0		-13	+476	712.078 2481.019
TP ₆₁	581		133° 12' 28"		5.2	90° 20'	-3.4	-8.6		2111.7	TP	+4	+581	712.095 2481.124
TP ₆₁	581		(89° 35' 07")		5.2	269° 40'	-3.4	-8.6			TP			
TP ₆₀			0 00 00											
TP ₆₁	0				+5.1	Hi		+5.1		2116.8	TP	0	0	712.095 2481.124
258	223		163° 50' (73° 25')		7.0	-		-7.0		2109.8		+64	+214	712.159 2481.338
259	548		155° 10' (64° 45')		8.6	-		-8.6		2108.2		+234	+496	712.329 2481.620
TP	1196		146° 49' 14"		6.2	-		-6.2		2110.6	TP	+662	+996	712.757 2482.120
TP	1196		(56° 24' 21")		6.3	270°		-6.3			TP			
TP ₆₁			0 00 00											
TP	0				+4.9	Hi		+4.9		2115.5	TP	0	0	712.757 2482.120
260	330		352° 30' (228° 54')		7.2	-		-7.2		2108.3		-217	-249	712.540 2481.871
261	0				4.9	-		-4.9		2110.6		0	0	712.757 2482.120
262	330		168° 45' (45° 09')		5.8	89° 30'	+2.9	-2.9		2112.6		+233	+234	712.990 2482.354
263	657		166° 00' (42° 24')		9.0	90° 20'	-3.8	-12.8		2102.7		+485	+443	713.242 2482.563
IF	782		165° 00' 00" (41° 24' 21")		11.8	90° 20'	-6.8	-18.6		2096.9	IF	+587	+517	713.344 2482.637
264	983		165° 20' (41° 44')		16.0	90° 30'	-8.6	-24.6		2090.9		+734	+654	713.491 2482.774
265	1314		164° 45' (41° 09')		11.9	90° 26'	-9.9	-21.8		2093.7		+989	+865	713.746 2482.985
266	1644		164° 46' (41° 04')		5.8	90° 20'	-9.5	-15.3		2100.2		+1239	+1080	713.996 2483.200
267	1974		164° 35' (40° 59')		8.0	90° 20'	-11.4	-19.4		2096.1		+1490	+1295	714.247 2483.415

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.30.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		43			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Bodie mtn. -15'		WASH.		Perry								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 -	EAST + WEST -		Y
			PLATES → (grids)												
TP ₂	2060		164° 46' 47"		10.1	90° 20'	-11.9	-22.0		2093.4	TP	+1550	+1356	714,307	2483476
TP ₂	2060		(41° 11' 08")		10.4	269° 40'	-11.9	-22.3	22.13		TP				
261			0 00 00												
TP ₂	0				+5.0	H _i		+5.0	2098.4		π	0	0	714,307	2483476
268	250		202° 35' (63° 46')		8.3	91° 30'	-6.5	-14.8		2083.6		+111	+224	714,418	2483700
269	579		205° 27' 21"		7.7	91° 30'	-15.1	-22.8		2075.6	TP	+229	+531	714,536	2484007
269	579		(66° 38' 29")		7.8	268° 30'	-15.1	-22.9			TP				
TP ₂			0 00 00												
269	0				+5.15	H _i		+5.2	2080.8		π	0	0	714,536	2484007
270	330		184° 40' (71° 18')		7.0	90° 10'	-1.0	-8.0		2072.8		+106	+313	714,642	2484320
271	656		190° 15' (76° 53')		8.8	90° 10'	-1.9	-10.7		2070.1		+149	+639	714,685	2484646
272	968		197° 35' (84° 13')		11.2	90° 10'	-2.8	-14.0		2066.8		+98	+963	714,634	2484970
273	1281		203° 05' (89° 43')		10.3	90° 20'	-7.4	-17.7		2063.1		+6	+1281	714,542	2485288
274	1606		205° 05' (91° 43')		7.2	90° 20'	-9.3	-16.5		2064.3		-48	+1605	714,488	2485612
275	1935		204° 00' (90° 38')		7.8	90° 10'	-5.5	-13.4		2067.4		-21	+1935	714,515	2485942
276	2262		203° 35' (90° 13')		6.0	90° 10'	-6.5	-12.5		2068.3		-9	+2262	714,527	2486269
#1	2494		204° 44' 26" (91° 21' 55")		10.0	90° 04'	-2.8	-12.8		2068.0	#1	-60	+2493	714,476	2486500 T-Intersect
277	2574		205° 58' (92° 36')		7.8	90° 10'	-7.4	-15.2		2065.6		-117	+2571	714,419	2486578
278	2884		208° 18' (94° 56')		6.8	90° 20'	-16.6	-23.4		2057.4		-248	+2873	714,288	2486880
279	3214		208° 40' (95° 18')		7.9	90° 16'	-14.7	-22.6		2058.2		-297	+3200	714,239	2487207

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-30-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		44			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		BODIE mtn. -15'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
			PLATES → (92.05)												
280	3543		208° 25' 28"		12.7	90° 10'	-10.0	-22.7			TP	-313	+3529	714,223	2,487,536 across sta.
286	3543		(95° 03' 57")		13.2	269° 50'	-10.0	-23.2	-22.93	2057.9	TP				
269			0° 00' 00"												
280	0				+5.15	Hi		+5.2	2063.1		TP	0	0	714,223	2,487,536
281	333		190° 10' (105° 14')		7.3	91° 40'	-9.7	-17.0		2046.1		-88	+321	714,135	2,487,857
282	663		190° 25' (105° 29')		7.5	91° 40'	-19.3	-26.8		2036.3		-177	+639	714,046	2,488,125
TP3	933		187° 55' 29"		5.1	91° 40'	-27.1	-32.2		2030.9	TP	-210	+909	714,013	2,488,445
TP3	933		(102° 59' 26")		5.2	268° 20'	-27.1	-32.3			TP				
280			0° 00' 00"												
TP3	0				+5.2	Hi		+5.2	2036.1		TP	0	0	714,013	2,488,445
283	58		166° 30' (89° 29')		5.3	91°	-1.0	-6.3		2029.8		+1	+58	714,014	2,488,503
284	387		160° 55' (83° 54')		7.9	91°	-6.8	-14.7		2021.4		+41	+385	714,054	2,488,830
285	716		157° 45' (80° 44')		11.8	91°	-12.5	-24.3		2011.8		+115	+767	714,128	2,489,152
TP4	821		158° 29' 25"		5.2	91° 30'	-21.5	-26.7		2009.4	TP	+122	+812	714,135	2,489,257
TP4	821		(81° 28' 51")		5.2	268° 30'	-21.5	-26.7			TP				
TP3			0° 00' 00"												
TP4	0				+5.35	Hi		+5.4	2014.8		TP	0	0	714,135	2,489,257
286	224		195° 20' (96° 49')		6.4	-		-6.4		2008.4		-27	+222	714,108	2,489,479
287	552		198° 55' (100° 24')		5.8	89° 20'	+6.4	+0.6		2015.4		-100	+543	714,035	2,489,800

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.30.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Bodie Mtn. -15'		Washington		Ferry								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
												LAT.	DEP.		
			PLATES → (GRIDS)												
TP3	836		195° 09' 53"		5.6	89° 10'	+12.2	+6.6		2021.4	TP	-97	+830	714.038	2,490,057
TP5	836		(96° 38' 44")		5.7	270° 50'	+12.2	+6.5			TP				
TP4			0 00 00												
TP3	0				+5.0	H.I.		+5.0	2021.4		T	0	0	714.038	2,490,057
288	42		161° 15' (77° 54')		4.8	89° 30'	+0.4	-4.4		2022.0		+9	+41	714.047	2,490,128
289	369		151° 10' (67° 49')		8.8	89° 30'	+3.2	-5.6		2020.8		+139	+342	714.177	2,490,429
TP6	543		148° 44' 15"		6.2	90° 30'	-4.7	-10.9		2015.5	TP	+226	+494	714.264	2,490,581
TP6	543		(65° 22' 59")		6.3	209° 30'	-4.7	-11.0			TP				
TP3			0 00 00												
TP6	0				+5.3	H.I.		+5.3	2020.8		T	0	0	714.264	2,490,581
290	156		175° 30' (60° 53')		6.5	92°	-5.4	-11.9		2008.9		+76	+136	714.340	2,490,717
291	483		182° 30' (67° 53')		7.7	92°	-16.9	-24.6		1996.2		+182	+447	714.446	2,491,028
293	1095	1094.3	202° 11' 52"		4.6	92°	-38.2	-42.8		1978.0	TP	+46	+1093	714.310	2,491,674
293	1095		(87° 34' 51")		4.7	268°	-38.2	-42.9			TP				
TP6			0 00 00												
41	607		16° 11' 36" (283° 46' 27")		4.9	88° 30'	+15.9	+11.0		1994.2	SI	+144	-589	714.454	2,491,085
292	329		19° 08' (286° 43')		8.1	88° 30'	+8.6	+0.5		1983.7		+95	-315	714.405	2,491,359
293	0				+5.15	H.I.		+5.2	1983.2		T	0	0	714.310	2,491,674
294	329		186° 10' (93° 45')		9.8	89° 10'	+4.8	-5.0		1978.2		-22	+328	714.288	2,492,002
295	658		184° 05' (91° 40')		8.0	89° 10'	+9.6	+1.6		1984.8		-19	+658	714.291	2,492,332

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.30.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		46			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Bodie mtw.-15'		WASH		Ferry								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (99' 05")						1983.2						
#	724		183° 12' 01" (90° 46' 52")		7.0	89° 10'	+10.5	+3.5		1986.7		-10	+724	714.300	2,492,398
296	992		184° 17' 28"		8.4	89° 10'	+14.4	+6.1		1989.2	TP	-32	+991	714.278	2,492,665 access sta.
296	992		(91° 52' 19")		8.5	270° 50'	+14.4	+5.9	+603		TP				
293			0 00 00												
296	0			+5.1	4.1			+5.1	1994.3		T	0	0	714.278	2,492,665
297	331		195° 15' (107° 01')		10.0	91°	-5.8	-15.8		1978.5		-97	+316	714.181	2,492,981
298	660		193° 05' (104° 57')		8.1	92°	-23.0	-31.1		1963.2		-170	+638	714.108	2,493,303
299	990		192° 20' (104° 12')		9.1	92° 20'	-40.3	-49.4		1944.9		-243	+960	714.035	2,493,625
300	1319		194° 00' (105° 52')		9.5	92° 20'	-53.7	-63.2		1931.1		-361	+1269	713.917	2,493,934
301	1648		195° 26' (107° 12')		7.1	92° 10'	-62.2	-69.3		1925.0		-487	+1574	713.791	2,494,234
302	1978		196° 00' (107° 52')		9.8	92°	-69.0	-78.8		1915.5		-607	+1883	713.671	2,494,518
303	2304		195° 05' (106° 57')		5.3	92°	-80.3	-85.6		1908.7		-672	+2204	713.606	2,494,819
TP ₁	2356	2354.8	194° 39' 06"		11.2	91° 50'	-75.3	-86.5			TP	-670	+2258	713.608	2,494,923
TP ₂	2356		(106° 31' 25")		11.5	268° 10'	-75.3	-86.8	-86.3	1907.7	TP				
296			0 00 00												
TP ₃	0			+4.9	4.1			+4.9	1912.6		T	0	0	713.608	2,494,923
304	275		151° 58' 51"		5.6	91°	-4.8	-10.4		1902.2	TP	+55	+269	713.663	2,495,192
304	275		(78° 30' 22")		5.6	269°	-4.8	-10.4			TP				
TP ₄			0 00 00												
304	0			+5.15	4.1			+5.2	1907.4		T	0	0	713.663	2,495,192

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-30-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		47			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		BODIE mtv. -15'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (grids)						1907.4						
305	329		163° 20' (41° 50')		7.1	-		-7.1		1900.3		+155	+290	713.818	2495482
306	657		160° 05' (58° 35')		5.1	89° 20'	+7.7	+2.6		1910.0		+342	+561	714.005	2495753
307	987		158° 50' 38"		7.5	89° 30'	+8.6	+1.1x		1908.5	TP	+532	+831	714.195	2496023
307	987		(57° 21' 00")		7.6	270° 30'	+8.6	+1.0			TP				
304			0° 00' 00"												
307	0				+5.15	4i		+5.2	1913.7		T	0	0	714.195	2496023
308	330		185° 55' (63° 16')		8.0	91° -	-5.8	-13.8		1899.9		+148	+295	714.343	2496318
309	660		- - (- -)		7.0	91° -	-11.5	-18.5		1895.2		+297	+589	714.492	2496612
310	990		185° 10' 48"		7.3	90° 30'	-8.6	-15.9x		1897.8	TP	+457	+878	714.652	2496901
310	990		(62° 31' 48")		7.4	269° 30'	-8.6	-16.0			TP				
307			0° 00' 00"												
310	0				+5.2	4i		+5.2	1903		T	0	0	714.652	2496901
311	327		157° 30' (40° 02')		6.8	91° 40'	-9.5	-16.3		1886.7		+250	+210	714.902	2497111
312	656		153° 35' (36° 07')		11.4	91° 50'	-21.0	-32.4		1870.6		+530	+387	715.182	2497288
313	985		152° 55' (35° 27')		9.9	92° 10'	-37.2	-47.1		1855.9		+802	+571	715.454	2497472
TP	1386	1385.4	169° 27' 46"		10.1	91° 40'	-40.3	-50.4x		1852.6	TP	+853	+1092	715.505	2497993
TP	1386		(51° 59' 34")		10.2	268° 20'	-40.3	-50.5			TP				
310			0° 00' 00"												
TP	0				+5.1	4i		+5.1	1857.7		T	0	0	715.505	2497993
314	240		55° 40' (287° 40')		8.7	89° -	+4.2	-4.5		1853.2		+73	-229	715.578	2497764

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7-30-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2	48			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
Washington		BODIE mtm. - 15		WASH		FERRY					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS & TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			PLATES → (geoids)						1857.7					
315	102		283° 00' (155° 00')		7.9	89°	+1.8	-6.1		1851.6		-92	+43	715.413 2,498,034
316	430		274° 35' (146° 35')		8.2	89° 40'	+2.5	-5.7		1852.0		-359	+237	715.446 2,498,230
317	760		273° 50' (145° 50')		10.1	89° 40'	+4.4	-5.7		1852.0		-629	+427	714.876 2,498,420
318	1090		273° 25' (145° 25')		12.4	89° 40'	+6.4	-6.0		1851.7		-897	+619	714.608 2,498,612
319	1420		" " "		9.8	89° 50'	+4.2	-5.6		1852.1		-1169	+806	714.336 2,498,784
320	1750		" " "		10.3	89° 50'	+5.2	-5.1		1852.6		-1441	+993	714.064 2,498,986
321	2080		" " "		11.2	89° 50'	+6.1	-5.1		1852.6		-1712	+1181	713.793 2,499,174
322	2410		273° 20' (145° 20')		12.0	89° 50'	+7.1	-4.9		1852.8		-1982	+1371	713.523 2,499,364
323	2740		" " "		12.4	89° 50'	+8.1	-4.3		1853.4		-2254	+1559	713.251 2,499,552
#1	2948		273° 01' 53" (145° 01' 27")		12.3	89° 50'	+8.8	-3.5		1854.2	#1	-2416	+1690	713.089 2,499,631 T-Intersect
324	2965		271° 03' (143° 03')		5.8	-	-	-5.8		1851.9		-2370	+1782	713.135 2,499,725
325	2995		264° 42' (136° 42')		8.9	-	-	-8.9		1848.8		-2180	+2054	713.325 2,500,047
326	3063		258° 35' (130° 35')		9.8	-	-	-9.8		1847.9		-1993	+2326	713.512 2,500,319
327	3162		252° 50' (124° 50')		7.0	-	-	-7.0		1850.7		-1806	+2595	713.699 2,500,588
BRIDGE	3177		252° 04' 42"		6.7	-	-	-6.7		1851.0	TP	-1780	+2632	713.725 2,500,625
BRIDGE	3177		(124° 04' 16")		6.8	270°	-	-6.8			TP			
TP			0 00 00											
BRIDGE	0				+5.3	H.		+5.3	1856.3		T	0	0	713.725 2,500,625 BODIE mtm. - 15' ↑
328	271		124° 35' (68° 39')		6.8	89° 50'	+0.8	-6.0		1850.3		+99	+252	713.824 2,500,877 CURLEW - 15' ↓
TP	287		110° 12' 09" (54° 16' 25")		4.8	89° 30'	+2.5	-2.3		1854.0		+168	+233	713.893 2,500,858

SURVEY NOTES-HIGH-RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
7.30.84		B. Cotcamp		R. Trowbridge		6834		R.T.C.		2	49			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
WASHINGTON		Curlew-15'		WASH.		FERRY					L.O. Davis			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			PLATES = (9.1105)						1856.3					
329	480		166° 05' (110° 09')		9.8	90° 20'	-2.8	-12.6		1843.7		-165	+451	713.560 2,501,026
330	796		175° 05' (119° 09')		10.8	89° 20'	+9.3	-1.5		1854.8		-388	+695	713.337 2,501,320
331	1106		180° 49' 59"		4.5	89°	+19.3	+14.8		1871.1	TP	-633	+907	713.092 2,501,532
331	1106		(124° 54' 15")		4.6	271°	+19.3	+14.7			TP			
BRIDGE			0 00 00											
331	0				+5.2	Hi		+5.2	1876.3		TP	0	0	713.092 2,501,532
332	330		201° 50' (146° 44')		8.6	91° 20'	-7.7	-16.3		1860.0		-276	+181	712.816 2,501,713
333	660		201° 30' (146° 24')		11.7	91° 30'	-17.3	-29.0		1847.3		-550	+365	712.542 2,501,897
334	990		201° 42' (146° 36')		8.3	91° 10'	-20.1	-28.4		1847.9		-827	+545	712.265 2,502,077
335	1308		206° 08' (151° 02')		8.8	90° 30'	-11.4	-20.2		1856.1		-1144	+633	711.948 2,502,165
336	1629		209° 05' (153° 59')		8.5	90° 20'	-9.4	-17.9		1858.4		-1464	+715	711.628 2,502,247
337	1959		209° 25' (154° 19')		10.8	90° 30'	-17.0	-27.8		1848.5		-1765	+849	711.327 2,502,361
TP	2553		212° 18' 21"		3.5	90° 30'	-22.1	-25.6		1850.7	TP	-2354	+989	710.738 2,502,521
TP	2553		(157° 12' 36")		3.6	269° 30'	-22.1	-25.7			TP			
331			0 00 00											
TP	0				+5.15	Hi		+5.2	1855.9		TP	0	0	710.738 2,502,521
338	279		150° 15' 00" (352° 15')		7.0	90° 40'	-3.2	-10.2		1845.7		+276	-38	711.014 2,502,483
339	50		205° 55' (183° 08')		5.7	89° 10'	+0.7	-5.0		1850.9		-50	-3	710.688 2,502,518
340	370		174° 50' (152° 03')		7.3	87° 20'	+17.2	+9.9		1865.8		-327	+173	710.411 2,502,194

SUNSHOT TAKEN @ THIS

TP 157° 13' 41"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-31-84		B. Cotcamp		R. Trowbridge		6834		RFX		2		50			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		CURLW-15		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (grips)						1855.9						
TP ₁	531		174° 55' 07"		3.0	87° 20'	+24.7	+21.7		1877.6	TP	-469	+248	710,269	2,502,769
TP ₁	531		(152° 07' 43")		3.6	272° 40'	+24.7	+21.7			TP				
TP ₂	0		0° 00' 00"												
TP ₁	0				+5.1	Hi		+5.1	{1882.7}		TP	0	0	710,269	2,502,769
341	173		202° 10' (174° 18')		5.4	87° 20'	+8.0	+2.6		1885.3		-172	+17	710,097	2,502,786
342	500		205° 22' 40"		6.0	87° 20'	+23.3	+17.3		1900.0	TP	-499	+22	709,776	2,502,791
342	500		(177° 30' 23")		6.1	272° 40'	+23.3	+17.2			TP				ACROSS STATION
TP ₁			0° 00' 00"												
342	0				+5.25	Hi		+5.3	{1905.3}		TP	0	0	709,770	2,502,791
343	329		184° 45' (182° 15')		8.0	-	-8.0			1897.3		-329	-13	709,441	2,502,778
344	658		186° 15' (183° 45')		9.3	-	-9.3			1896.0		-657	-43	709,113	2,502,748
TP ₂	827		185° 44' 20"		7.7	90° 30'	-7.2	-14.9		1890.4	TP	-826	-47	708,944	2,502,744
TP ₂	827		(183° 14' 43")		7.7	269° 30'	-7.2	-14.9			TP				
342			0° 00' 00"												
TP ₂	0				+5.25	Hi		+5.3	{1895.7}		TP	0	0	708,944	2,502,744
345	162		181° 45' (185° 00')		6.8	92° 30'	-7.1	-13.9		1881.8		-161	-14	708,783	2,502,730
346	491		177° 45' (181° 00')		5.8	92° 30'	-21.4	-27.2		1868.5		-491	-9	708,453	2,502,735
TP ₃	2331		172° 23' 57"		3.8	89° 10'	+34.0	+30.2	{301}	1925.8	TP	-2324	+177	706,620	2,502,921
TP ₃	2331		(175° 38' 40")		4.0	270° 50'	+34.0	+30.0			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-31-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		51			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		CURVE-15		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₂			0° 00' 00"							1925.8					
TP ₃	0				+ 5.3	H _i		+ 5.3	1931.1		X	0	0	706.620	2502921
347	1524		0° 47' (356° 26')		11.8	92°	-53.1	-64.9		1866.2		+1521	-95	708.141	2502826
348	1200		2° 32' (358° 11')		12.0	92°	-41.8	-53.8		1877.3		+199	-38	707.819	2502883
349	881		7° 25' (3° 04')		8.6	92° 30'	-38.4	-47.0		1884.1		+ 880	+ 47	707.500	2502874
350	558		12° 10' (7° 49')		8.5	93° 20'	-32.4	-40.9		1890.2		+ 553	+ 76	707.173	2502997
351	229		14° 50' (10° 29')		7.0	93° 20'	-13.3	-20.3		1910.8		+ 225	+ 42	706.845	2502963
352	101		196° 45' (192° 24')		5.2	88° 50'	+ 2.1	-3.1		1928.0		- 99	- 22	706.521	2502899
353	430		189° 45' (185° 24')		7.7	89° 20'	+ 5.0	-2.7		1928.4		- 428	- 40	706.192	2502881
TP ₄	548		188° 58' 59"		9.5	89° 30'	+ 4.8	-4.7		1926.4	TP	- 546	- 44	706.074	2502877
TP ₄	548		(184° 37' 39")		9.6	270° 30'	+ 4.8	-4.8			TP				
TP ₃			0° 00' 00"												
TP ₄	0				+ 5.2	H _i		+ 5.2	1931.6		X	0	0	706.074	2502877
354	214		164° 30' (169° 08')		6.4	91° 20'	-5.0	-11.4		1920.2		- 210	+ 40	705.864	2502927
#	206		162° 51' 54" (167° 29' 33")		6.4	91° 20'	-4.8	-11.2		1920.4	#	- 201	+ 45	705.873	2502922
TP ₅	385		164° 53' 27"		5.4	92° 20'	-15.7	-21.1		1910.5	TP	- 378	+ 70	705.696	2502947
TP ₅	385		(169° 31' 06")		5.4	267° 40'	-15.7	-21.1			TP				
TP ₄			0° 00' 00"												
TP ₅	0				+ 5.25	H _i		+ 5.3	1915.8		X	0	0	705.696	2502947
355	159		173° 30' (163° 01')		6.8	94° 30'	-12.5	-19.3		1896.5		- 152	+ 46	705.544	2502943

...705.80 x - 2,502,930 section line enter

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7.31.84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTICE CHECKED BY R.T. W	LINE NO. 2	PAGE 52
AREA Washington	TOPO MAP CURLEW-15'	STATE WASH.	COUNTY FERRY	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			plates → (grids)						1915.8					
356	489		173° 30' (163° 0')		6.0	94° 20'	-36.9	-42.9		1872.9		-468	+143	705.228 2503090
357	818		172° 00' (161° 31')		9.1	93° 10'	-45.2	-54.3		1861.5		-776	+259	704.920 2503206
358	1133		166° 55' (156° 26')		8.0	92° 30'	-49.4	-57.4		1858.4		-1039	+453	704.657 2503400
TP ₆	1181	1179.9	165° 38' 18"		6.3	92° 30'	-51.5	-57.8		1858.0	TP	-1071	+496	704.625 2503443
TP ₆	1181		(155° 09' 24")		6.4	267° 30'	-51.5	-57.9			TP			
TP ₅			0° 00' 00"											
TP ₆	0				+5.15	Hi		+5.2	1863.2		T	0	0	704.625 2503443
359	278		149° 50' (124° 59')		5.7	-		-5.7		1857.5		-159	+228	704.466 2503671
360	608		146° 35' (121° 44')		6.8	-		-6.8		1856.4		-320	+517	704.305 2503960
361	938		146° 04' (121° 13')		11.8	-		-11.8		1851.4		-486	+802	704.139 2504245
362	1268		145° 15' (120° 24')		5.2	90° 10'	-3.7	-8.9		1854.3		-642	+1094	703.983 2504537
TP ₇	1813		145° 27' 35"		9.6	89° 40'	+10.6	+1.0		1864.2	TP	-923	+1560	703.702 2505003
TP ₇	1813		(120° 34' 59")		9.5	270° 20'	+10.6	+1.1			TP			
TP ₆			0° 00' 00"											
TP ₇	0				+5.1	Hi		+5.1	1869.3		T	0	0	703.702 2505003
363	218		5° 35' (366° 12')		8.3	-		-8.3		1861.0		+129	-176	703.831 2504827
364	110		181° 00' (121° 51')		4.9	-		-4.9		1864.4		-58	+94	703.644 2505097
365	436		170° 25' (111° 02')		6.3	90° 20'	-2.5	-8.8		1860.5		-156	+407	703.546 2505410
366	766		170° 28' 45"		9.9	90° 40'	-8.9	-18.8		1850.5	TP	-276	+715	703.426 2505718
366	766		(111° 05' 44")		12.1	269° 30'	-6.7	-18.8			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-31-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		53			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		CURRY-15'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (GRIDS)												
TP1			0 00 00							1850.5					
366	0				+4.8	H.I.		+4.8	1855.3		π	0	0	703.426	2505718
367	333		189° 35' (126° 41')		6.8	93°	-17.4	-24.2		1831.1		-170	+286	703.256	2506004
368	663		190° 50' (121° 56')		5.2	92°	-23.1	-28.3		1827.0		-351	+563	703.075	2506281
TP8	1154		204° 37' 52" H.I.		9.3	91°	-20.1	-29.4		1825.9	TP	-826	+805	702.600	2506523
TP8	1154		(135° 43' 36")		9.2	269°	-20.1	-29.3			TP				
366			0 00 00												
TP8	0				+5.05	H.I.		+5.1	1831.0		π	0	0	702.600	2506523
369	206		24° 00' (339° 44')		7.8	88°	+7.2	-0.6		1830.4		+193	-71	702.793	2506452
370	124		198° 50' (154° 34')		6.3	89°	-2.2	-4.1		1826.9		-112	+53	702.488	2506576
371	453		196° 35' (152° 19')		7.4	-		-7.4		1823.6		-401	+210	702.199	2506733
372	782		194° 23' 08"		7.4	-		-7.4		1823.6	TP	-678	+390	701.922	2506913
372	782		(150° 06' 44")		7.3	270°		-7.3			TP				
TP8			0 00 00												
372	0				+5.05	H.I.		+5.1	1828.7		π	0	0	701.922	2506913
373	330		167° 00' (137° 01')		5.6	-		-5.6		1823.1		-242	+225	701.680	2507138
374	658		165° 27' 58"		0.7	-		-0.7		1828.0	TP	-470	+461	701.453	2507374
374	658		(135° 34' 42")		0.6	270°		-0.6			TP	+			
372			0 00 00												
374	0				+5.1	H.I.		+5.1	1833.1		π	0	0	701.453	2507374

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE						
7.31.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2	54						
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER						
WASHINGTON		CURLIN -15'		WASH.		FERRY					L.O. Davis						
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS	
												LAT.	DEP.	Y	X		
			PLATES → (92105)						1833.1								
TP ₁₀	161		169° 55' 05"		4.3	-		-4.3		1828.8	TP	-93	+131	701.361	2507505		
TP ₁₀	161		(125° 29' 47")		1.5	91°	-2.8	-4.3			TP	+1					
374			0 00 00														
TP ₁₀	0				+5.2	H.I.		+5.2	1834.0		T	0	0	701.361	2507505		
375	169		196° 05' (141° 35')		6.1	90° 30'	-1.5	-7.6		1826.4		-132	+105	701.229	2507640		
376	499		198° 40' (144° 10')		5.9	90° 30'	-4.3	-10.2		1823.8		-405	+292	700.956	2507797		
TP ₁₀	783		196° 32' 28"		8.6	96° 10'	-2.3	-10.9		1823.1	TP	-617	+482	700.745	2507988		
TP ₁₀	783		(142° 02' 15")		8.5	269° 50'	-2.3	-10.8			TP	+1	+1				
TP ₁₀			0 00 00														
TP ₁₀	0				+5.05	H.I.		+5.0	1828.1		T	0	0	700.745	2507988		
377	42		169° 55' (131° 57')		5.3	-		-5.3		1822.8		-28	+31	700.717	2508019		
378	372		168° 10' (130° 12')		6.7	-		-6.7		1821.4		-240	+284	700.505	2508272		
379	701		167° 00' (129° 02')		6.4	-		-6.4		1821.7		-441	+545	700.304	2508533		
380	1031		165° 26' 53"		6.6	-		-6.6		1821.5	TP	-627	+818	700.119	2508807		
380	1031		(127° 29' 08")		6.5	270°		-6.5			TP	+1	+1				
TP ₁₀			0 00 00														
380	0				+5.0	H.I.		+5.0	1826.5		T	0	0	700.119	2508807		
381	330		171° 25' (118° 54')		6.9	88° 30'	+8.6	+1.7		1828.2		-159	+289	699.960	2509096		
382	660		171° 20' (118° 49')		12.3	88° 30'	+17.3	+5.0		1831.5		-318	+578	699.801	2509385		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.31.84		B. Cotcamp		R. Trowbridge		6834		RST. W		2		55			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		CURLIN-15'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (98.05)						1826.5						
383	990		171° 25' 30"		8.2	89°	+17.3	+9.1		1835.6	TP	-479	+866	699,641	2509,674
383	990		(118° 54' 38")		8.1	271°	+17.3	+9.2			TP	+	+		
380			0° 00' 00"												
383	0				+5.2	H.I.		+5.2	1840.8		T	0	0	699,641	2509,674
384	329		177° 10' (116° 05')		6.7	91°	-5.7	-12.4		1828.4		-145	+295	699,496	2509,169
385	646		188° 35' (127° 30')		7.4	90° 30'	-5.6	-13.0		1827.8		-393	+513	699,248	2510,187
386	962		195° 30' (134° 25')		5.9	90° 30'	-8.4	-14.3		1826.5		-673	+687	698,968	2510,361
387	1290		196° 10' (135° 05')		5.1	90° 30'	-11.2	-16.3		1824.5		-913	+911	698,728	2510,585
388	1620		195° 30' (134° 25')		5.7	90° 30'	-14.1	-19.8		1821.0		-1134	+1157	698,507	2510,831
389	1949		195° 58' (134° 53')		5.3	90° 30'	-16.9	-22.2		1818.6		-1375	+1381	698,266	2511,055
TP ₁₁	2492		196° 47' 55"		8.5	90° 20'	-14.4	-22.9			TP	-1784	+1740	697,858	2511,415
TP ₁₂	2492		(135° 42' 33")		8.6	269° 40'	-14.4	-23.0		1817.8	TP	+	+		
383			0° 00' 00"												
TP ₁₂	0				+5.2	H.I.		+5.2	1823.0		T	0	0	697,858	2511,415
390	219		354° 00' (309° 43')		5.8	-		-5.8		1817.2		+140	-168	697,998	2511,247
391	108		151° 40' (107° 23')		6.6	89°	+1.9	-4.7		1818.3		-32	+103	697,826	2511,516
TP ₁₃	724		164° 18' 12"		4.8	87° 40'	+29.5	+24.7		1847.7	TP	-362	+626	697,497	2512,042
TP ₁₃	724		(120° 00' 45")		6.9	87° 30'	+31.6	+24.7			TP	+	+		
TP ₁₂			0° 00' 00"												
TP ₁₃	0				+5.2	H.I.		+5.2	1822.9		T	0	0	697,497	2512,042

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 7-31-84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY B.C.W.	LINE NO. 2	PAGE 56
AREA Washington	TOPO MAP CURLW-15	STATE WASH.	COUNTY FERRY	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			PLATES → (9 grids)						1852.9					
392	293		2° 25' (302° 26')		6.8	92°	-10.2	-17.0		1835.9		+157	-247	697,654 2,511,795
393	36		165° 45' (105° 46')		6.1	86°	+2.5	-3.6		1849.3		-10	+35	697,487 2,512,077
394	365		159° 52' (99° 53')		7.6	86° 30'	+22.3	+14.7		1867.6		-63	+360	697,434 2,512,402
TP ₁₄	524	523.4	158° 31' 10"		7.0	87° 10'	+25.9	+18.9		1871.8	TP	-78	+518	697,420 2,512,561
TP ₁₄	524		(98° 31' 55")		5.5	86° 20'	+24.4	+18.9			TP	+	+	
TP ₁₃			0° 00' 00"											
TP ₁₄	0				+5.2	Hi		+5.2	1877.0		T	0	0	697,420 2,512,561
395	172		185° 20' (103° 52')		6.4	91°	-3.0	-9.4		1867.6		-41	+167	697,379 2,512,728
394	500		190° 30' (109° 02')		7.9	90° 40'	-5.8	-13.7		1863.3		-163	+473	697,257 2,513,034
397	830		191° 00' (109° 32')		6.4	90° 40'	-9.6	-16.0		1861.0		-278	+782	697,142 2,513,343
398	1159		189° 07' 04"		9.0	90° 40'	-13.5	-22.5			TP	-351	+1104	697,070 2,513,665
398	1159		(107° 38' 59")		9.1	169° 20'	-13.5	-22.6		1854.4	TP	+	+	
TP ₁₄			0° 00' 00"											
398	0				+5.25	Hi		+5.2	1859.6		T	0	0	697,070 2,513,665
399	330		170° 12' 55"		7.4	89° 10'	+4.8	-2.6		1857.0	TP	-45	+327	697,026 2,513,993
399	330		(97° 51' 54")		7.3	270° 50'	+4.8	-2.5			TP	+	+	
398			0° 00' 00"											
399	0				+5.15	Hi		+5.1	1862.1		T	0	0	697,026 2,513,993
400	330		180° 01' (97° 52')		6.2	90° 30'	-2.9	-9.1		1853.0		-45	+327	696,981 2,514,320
401	660		181° 50' (99° 42')		9.0	90° 50'	-9.6	-18.6		1843.5		-111	+651	696,915 2,514,644

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
7.31.84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		2		57			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		CURLEW-15'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (9.105)						1862.1						
402	987		184° 40' (102° 32')		11.1	90° 50'	-14.3	-25.4		1836.7		-214	+963	696.812	2,514,956
403	1312		187° 16' 58"		8.4	90° 40'	-15.2	-23.6		1838.5	TP	-343	+1266	696.684	2,515,260
403	1312		(105° 08' 52")		8.4	269° 20'	-15.2	-23.6			TP	"	"		
399			0 00 00												
403	0				+5.2	Mi		+5.2	1843.7		T	0	0	696.684	2,515,260
404	330		186° 05' (111° 14')		10.0	92° 30'	-14.4	-24.4		1819.3		-120	+308	696.564	2,515,568
405	660		~ - (~ -)		8.7	92° -	-23.0	-31.7		1812.0		-239	+615	696.445	2,515,875
TP ₁₆	774		185° 54' 13"		4.2	92° -	-27.0	-31.2		1812.5	TP	-278	+722	696.407	2,515,983
TP ₆	774		(111° 03' 05")		4.1	268° -	-27.0	-31.1			TP	"	"		
403			0 00 00												
TP ₁₆	0				+5.1	Mi		+5.1	1817.6		T	0	0	696.407	2,515,983
406	213		157° 00' (88° 03')		8.1	89° -	+3.7	-4.4		1813.2		+7	+213	696.414	2,516,196
TP ₁₇	395		155° 00' 53"		5.9	89° -	+6.9	+1.0		1818.6	TP	+27	+394	696.435	2,516,378
TP ₁₇	395		(86° 03' 58")		4.7	89° 10'	+5.7	+1.0			TP	"	"		
TP ₁₄			0 00 00												
TP ₁₇	0				+5.2	Mi		+5.2	1823.8		T	0	0	696.435	2,516,378
407	151		201° 10' (107° 14')		5.6	-	-5.6			1818.2		-45	+144	696.390	2,516,522
408	481		198° 00' (104° 04')		5.2	-	-5.2			1818.6		-117	+467	696.318	2,516,845
409	810		198° 50' (104° 54')		9.8	-	-9.8			1814.0		-208	+783	696.227	2,517,161

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7-31-84		B. Cotcamp		R. Trowbridge		6834		B.C.W		2		58			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		CURLW-15'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS & TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (grids)						1823.8						
TP ₈	906		198° 24' 00"		8.6	-		-8.6		1815.2	TP	-226	+877	696.210	2,517,256
TP ₈	906		(104° 27' 58")		8.5	270° -		-8.5			TP	+	+		
TP ₇			0 00 00												
TP ₈	0				+5.2	Hi		+5.2	1820.4		π	0	0	696.210	2,517,256
410	236		190° 15' (114° 43')		5.2	-		-5.2		1815.2		-99	+214	696.111	2,517,470
411	567		189° 09' 31"		9.2	-		-9.2		1811.2	TP	-227	+519	695.984	2,517,776
411	567		(113° 37' 29")		6.4	BH	-2.8	-9.2			TP	+	-		ACROSS STA.
TP ₈			0 00 00												
411	0				+4.75	Hi		+4.7	1815.9		π	0	0	695.984	2,517,776
412	331		192° 15' (125° 52')		5.0	-		-5.0		1810.9		-194	+268	695.790	2,518,044
413	660		191° 20' (124° 57')		5.2	-		-5.2		1810.7		-378	+541	695.606	2,518,317
TP ₉	1203		204° 19' 16"		4.6	89° 30'	+10.5	+5.9		1821.8	TP	-893	+806	695.092	2,518,583
TP ₉	1203		(137° 54' 45")		4.5	270° 30'	+10.5	+6.0			TP	+	-		
411			0 00 00												
TP ₉	0				+5.2	Hi		+5.2	1822.0		π	0	0	695.092	2,518,583
414	275		31° 25' (349° 20')		6.8	90° 30'	-2.4	-9.2		1817.8		+270	-51	695.362	2,518,532
415	54		194° 35' (152° 30')		8.3	90° 30'	-0.5	-8.8		1818.2		-48	+25	695.044	2,518,608
416	379		182° 40' (140° 35')		8.2	91° 30'	-9.9	-18.1		1808.9		-293	+241	694.799	2,518,824
TP ₂₀	524		180° 20' 12"		4.9	91° 30'	-13.7	-18.6		1808.4	TP	-391	+349	694.702	2,518,934
TP ₂₀	524		(138° 14' 57")		3.4	91° 40'	-15.2	-18.6			TP	+	-		

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
7.31.84		B. Cotcamp		R. Rowbridge		6834		B. C. W.		2		59			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		CURLEW-15		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (gnios)												
TP19			0 00 00							1808.4					
TP20	0				+5.1	4i		+5.1	1813.5		T	0	0	694.702	2,518,934
9417	183		157° 30' (115° 45')		6.3	89°	+3.2	-3.1		1810.4		-80	+165	694,622	2,519,094
418	512		153° 05' (111° 20')		7.2	89° 20'	+6.0	-1.2		1812.3		-186	+477	694,516	2,519,411
TP21	583		151° 53' 02"		7.0	89° 30'	+5.1	-1.9		1811.6	TP	-201	+547	694,502	2,519,482
TP21	583		(116° 07' 59")		7.0	270° 30'	+5.1	-1.9			TP	+	+		
TP20			0 00 00												
TP21	0				+5.1	4i		+5.1	1816.7		T	0	0	694,502	2,519,482
419	260		(164° 35' (124° 43'))		7.7	89° 20'	+3.0	-4.7		1812.0		-21	+259	694,481	2,519,741
420	588		159° 33' 59"		6.4	89° 30'	+5.1	-1.3		1815.4	TP	+3	+588	694,506	2,520,071
420	588		(89° 41' 58")		6.3	270° 30'	+5.1	-1.2			TP	+	+		
TP21			0 00 00												
420	0				+5.1	4i		+5.1	1820.5		T	0	0	694,506	2,520,071
421	330		163° 50' (73° 32')		6.8	88° 30'	+8.6	+1.8		1822.3		+94	+316	694,600	2,520,387
422	660		" " " "		10.3	88° 30'	+17.3	+7.0		1827.5		+187	+633	694,693	2,520,704
423	990		" " " "		6.0	88° 30'	+25.9	+19.9		1840.4		+281	+949	694,787	2,521,020
#1	1054		163° 30' 46" (73° 12' 44")		6.1	88° 30'	+27.6	+21.5		1842.0	#1	+304	+1009	694,810	2,521,080
TP	1077		164° 03' 52"		7.1	88° 30'	+28.2	+21.1		1841.6	TP	+301	+1034	694,807	2,521,105
TP	1077		(73° 45' 50")		7.0	271° 30'	+28.2	+21.2			TP				

Y-694.810 X-2,521,080
 T-ROAD NORTH EL. 1842.0
 MARKED CORNER
 SUNSHOT TAKEN @ this
 STA. 7347' 49" HORIZ. DIST.
 SURVEYED 73° 45' 50" X=17

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-6-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		60			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		CUREN-15		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP ₁ 420			PLATES →, (92.05) (73° 47' 49")							1841.6					
TP ₂	0		0 00 00		+4.85	M.		+4.8	1846.4		X	0	0	194,807	2,521,105 y=614807 x=2,521,105
424	244		174° 20' (68° 08')		7.9	90° 30'	-2.1	-10.0		1836.4		+91	+226	194,898	2,521,331
425	572		170° 05' (63° 53')		7.3	90° 30'	-5.0	-12.3		1834.1		+252	+514	195,059	2,521,619
426	900		172° 00' (65° 48')		8.7	-		-8.7		1837.7		+369	+821	195,176	2,521,926
427	1220		176° 25' (70° 13')		9.3	89° 20'	+14.2	+4.9		1851.3		+413	+1148	195,220	2,522,253
428	1540		179° 35' (73° 23')		6.8	89° 10'	+22.4	+15.6		1862.0		+440	+1476	195,247	2,522,581
429	1866		181° 35' (75° 23')		8.4	89° 10'	+27.2	+18.8		1865.2		+471	+1806	195,278	2,522,911
430	2192		183° 05' (76° 53')		11.8	89° 10'	+32.0	+20.2		1866.6		+497	+2135	195,304	2,523,240
431	2520		183° 55' (77° 43')		11.8	89° 20'	+29.5	+17.7		1864.1		+536	+2462	195,343	2,523,567
432	2847		183° 32' (77° 20')		12.0	89° 26'	+28.3	+16.3		1862.7		+624	+2778	195,431	2,523,883
433	3177		183° 05' (76° 53')		10.0	89° 10'	+46.4	+36.4		1882.8		+721	+3094	195,528	2,524,199
434	3508		183° 06' (76° 48')		11.1	89° 02'	+59.4	+48.3		1894.7		+801	+3415	195,608	2,524,520
TP ₃	3610		182° 47' 54"		5.8	89° 08'	+54.9	+49.1			TP	+837	+3511	195,644	2,524,616
TP ₃	3610		(76° 35' 43")		6.5	270° 52'	+54.9	+48.4	+48.7	1895.1	TP				
TP ₂			0 00 00												
TP ₃	0				+5.1	M.		+5.1	1900.2		T	0	0	195,644	2,524,616
435	229		174° 30' (71° 06')		7.4	92° 20'	-9.3	-16.7		1883.5		+74	+217	195,718	2,524,833
436	559		- - -		8.7	92° 20'	-22.8	-31.5		1868.7		+181	+529	195,825	2,525,145
437	889		- - -		8.0	92° 20'	-36.2	-44.2		1856.0		+288	+841	195,932	2,525,457

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-6-84		B. Cotcamp		R. Trowbridge		6834		B. Cotcamp		2		61			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Culw-15		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (92.00)						1900.2						
438	1215	1214.3	172° 28' 48"		4.5	92°	-42.4	-46.9			TP	+434	+1134	696078	2,525.750
438	1215		(69° 04' 31")		4.6	268°	-42.4	-47.0		1853.2	TP				
TP ₂			0 00 00												
438	0				5.05	Hi		+5.0	1858.2		TP	0	0	696078	2,525.750
439	330		167° 00' (56° 05')		5.4	89°	+5.8	+0.4		1858.6		+184	+274	696262	2,526.024
440	660		166° 40' (55° 45')		11.4	89°	+11.5	+0.1		1858.3		+371	+546	696449	2,526.296
TP ₃	742		164° 32' 55"		4.7	89° 30'	+6.5	+1.8			TP	+440	+597	696518	2,526.347
TP ₃	742		(53° 31' 26")		4.8	270° 30'	+6.5	+1.7*		1859.9	TP				
438			0 00 00												
TP ₃	0				4.9	Hi		+4.9	1864.8		TP	0	0	696518	2,526.347
441	259		203° 50' (77° 28')		8.3	92° 40'	-12.0	-20.3		1844.5		+56	+253	696574	2,526.600
442	588		202° 25' (76° 02')		10.9	91° 20'	-13.7	-24.6		1840.2		+142	+571	696660	2,526.918
443	918		202° 00' (75° 37')		5.0	91° 20'	-21.3	-26.3		1838.5		+228	+889	696746	2,527.236
444	1248		" " "		9.0	91° 20'	-29.0	-38.0		1826.8		+310	+1209	696828	2,527.556
445	1578		" " "		8.8	90° 50'	-22.9	-31.7		1833.1		+392	+1529	696910	2,527.876
446	1908		" " "		10.9	91°	-33.2	-44.1		1820.7		+474	+1848	696992	2,528.195
447	2236		202° 30' (76° 07')		7.9	90° 40'	-25.9	-33.8		1831.0		+537	+2171	697055	2,528.518
448	2562		204° 02' (77° 39')		5.0	90° 16'	-11.8	-16.8		1848.0		+548	+2503	697066	2,528.850
449	2810		208° 19' (81° 56')		10.3	90° 10'	-8.0	-18.3		1846.5		+394	+2782	697122	2,529.129

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
8.6.84		B. Cotcamp		R. Trowbridge		6834		RT.		2	62				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Washington		Curlew-15		WASH.		FERRY					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (9e10s)						1864.8						
TP4	4452		220° 56' 16"		15.0	89° 20'	+52.2	+37.2			TP	-354	+4438	696,164	2,530,785
TP4	4452		(94° 33' 42")		8.8	270° 34'	+44.4	+36.5	+36.8	1901.6	TP				
TP3			0 00 00												
TP4	0				+5.2	Hi		+5.2	1906.8		T	0	0	696,164	2,530,785
450	1487		18° 50' (293 24)		5.2	91° 30'	-38.9	-44.1		1862.7		+591	-1365	696,755	2,529,420
451	1157		" " " "		9.2	92° 10'	-43.7	-52.9		1853.9		+460	-1062	696,624	2,529,723
452	827		" " " "		12.1	92° 20'	-33.7	-45.8		1861.0		+328	-759	696,492	2,530,026
453	497		" " " "		9.8	91° 40'	-14.5	-24.3		1882.5		+197	-456	696,361	2,530,329
454	166		" " " "		7.3	90° 30'	-1.4	-8.7		1898.1		+66	-152	696,230	2,530,633
455	164		202° 30' (117 04)		6.2	90° 30'	-1.4	-7.6		1899.2		-75	+146	696,089	2,530,931
#1	367		200° 39' 53" (115 3' 35")		11.3	90° 30'	-3.2	-14.5		1892.3	#1	-156	+332	696,008	2,531,117 #1
456	495		201° 05' (115 31)		5.2	91° 20'	-11.5	-16.7		1890.1		-214	+446	695,950	2,531,231
TP3	573		178° 14' 46"		5.2	91° 20'	-13.3	-18.5			TP	-222	+528	695,942	2,531,313
TP3	573		(112° 48' 28")		5.3	268° 40'	-13.3	-18.6		1888.2	TP				
TP4			0 00 00												
TP3	0				+5.15	Hi		+5.1	1893.3		T	0	0	695,942	2,531,313
457	250		146° 05' (78 53)		8.4	92° 40'	-11.6	-20.0		1873.3		+48	+245	695,940	2,531,558
458	577		148° 20' (81 08)		11.0	92° 40'	-26.8	-37.8		1855.5		+89	+570	696,031	2,531,883
459	873		159° 25' (92 13)		6.8	92° 40'	-40.6	-47.4		1845.9		-34	+872	695,908	2,532,185
460	1174		167° 01' (99 49)		8.8	92° 10'	-44.4	-53.2		1840.1		-200	+1157	695,742	2,532,470

Y-696,005 X-2,531,100
T-ROAD NORTH

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8.6.84		B. Cotcamp		R. Trowbridge		6834		B. P.		2		63			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		CURLW-15		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (92.05)						1893.3						
461	1493		170° 44' (103° 32')		4.8	92°	-52.1	-56.9		1836.4		-349	+1452	695593	2,532,765
462	1818		172° 30' (105° 18')		11.4	91° 30'	-47.5	-58.9		1834.4		-480	+1754	695462	2,533,067
463	2148		172° 34' (105° 22')		7.8	91° 20'	-49.9	-57.7		1835.6		-569	+2071	695373	2,533,384
464	2478		172° 40' (105° 28')		6.8	91° 10'	-50.3	-57.1		1836.2		-661	+2388	695281	2,533,701
465	2868		" " " "		7.3	90° 50'	-40.7	-48.0		1845.3		-749	+2706	695193	2,534,019
466	3117		170° 30' (103° 18')		7.1	90° 40'	-36.1	-43.2		1850.1		-717	+3033	695225	2,534,346
467	3422		168° 17' (101° 05')		8.8	90° 40'	-39.6	-48.4		1844.9		-658	+3358	695284	2,534,671
468	3730		166° 23' (99° 11')		11.0	90° 34'	-36.6	-47.6		1845.7		-595	+3682	695347	2,534,995
469	4056		165° 43' (98° 31')		6.4	90° 34'	-39.8	-46.2		1847.1		-601	+4011	695341	2,535,324
470	4385		165° 37' (98° 25')		5.0	90° 34'	-43.0	-48.0		1845.3		-642	+4338	695300	2,535,651
TPs	4793		168° 41' 59"		11.9	90° 30'	-41.4	-53.3			TP	-956	+4696	694986	2,536,009
TPs	4793		(101° 39' 27")		12.4	269° 30'	-41.4	-53.8	536	1839.7	TP				
TPs			0 00 00												
TPs	0				+5.25	141		+5.2	1844.9		X	0	0	694986	2,536,009
471	154		18° 10' (299° 40')		6.3	88°	+5.4	-0.9		1844.0		+76	-134	695062	2,535,875
472	172		181° 30' (103° 00')		5.5	92° 30'	-7.5	-13.0		1831.9		-39	+168	694947	2,536,177
473	497		170° 04' (91° 34')		11.5	92° 30'	-21.7	-33.2		1811.7		-14	+497	694922	2,536,506
474	826		169° 45' (91° 15')		11.3	92° 40'	-38.4	-49.7		1795.2		-18	+826	6949168	2,536,835
TPs	910	909.0	170° 29' 31"		8.5	92° 40'	-42.3	-50.8			TP	-32	+908	694954	2,536,917
TPs	910		(91° 59' 58")		8.6	267° 20'	-42.3	-50.9		1794.0	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8.6.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		64			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		CURLEW-15'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS & TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (99100)							1794.0					
TP5			0 00 00												
TP6	0				+5.2	4i		+5.2	1799.2		T	0	0	194954	2536.917
475	205		116° 35' (28° 35')		7.8	89° 20'	+2.4	-5.4		1793.8		+180	+98	195134	2537.015
476	529		111° 08' (23° 08')		10.3	89° 30'	+4.6	-5.7		1793.5		+486	+208	195440	2537.125
TP7	760		109° 27' 00"		7.4	89° 30'	+6.6	-0.8			TP	+707	+278	195661	2537.195
TP7	760		(21° 26' 58")		7.5	270° 30'	+6.6	-0.9*		1798.3	TP				
TP6			0 00 00												
TP70	0				+5.3	4i		+5.3	18036		T	0	0	195661	2537.195
477	113		258° 15' (99° 42')		5.4	91° -	-2.1	-7.5		1796.1		-21	+121	195640	2537.316
478	465		254° 20' (95° 41')		11.3	-		-11.3		1792.3		-47	+463	195614	2537.658
479	794		253° 36' 09"		4.9	89° 46'	+4.6	-0.3			TP	-70	+791	195591	2537.986
479	794		(95° 03' 07")		5.0	270° 20'	+4.6	-0.4*		1803.2	TP				
TP7			0 00 00												
479	0				+5.3	4i		+5.3	1808.5		T	0	0	195591	2537.986
480	315		116° 05' (31° 08')		6.8	91° -	-5.5	-12.3		1796.2		+270	+163	195861	2538.149
#	484		117° 10' 03" (32° 13' 10")		5.6	91° -	-8.4	-14.0		1794.5	#	+409	+258	196000	2538.244 # R.R. TRACKS INT.
TP8	995		124° 14' 55"		7.1	88° 30'	+26.1	+19.0			TP	+770	+630	196361	2538.616
TP8	995		(39° 18' 02")		7.2	271° 30'	+26.1	+18.9		1827.4	TP				
479			0 00 00												
TP8	0				+5.25	4i		+5.2	1832.6		T	0	0	196361	2538.616

4-695990 X-2538.215
R.R. TRACKS INT.

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-6-84		B. Cotcamp		R. Trowbridge		6834		B.C.L.		2		65			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Curlow-15		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (92105)						1832.6						
481	451		349° 35' (208° 53')		7.0	93° 30'	-27.5	-34.5		1798.1		-395	-218	695966	2,538,398
482	133		341° 25' (200° 43')		6.8	91° 30'	-3.5	-10.3		1822.3		-124	-47	696237	2,538,569
483	30		232° 05' 08" (91° 23' 10")		5.6	89° 00'	+0.5	-5.1		1827.5		-1	+30	696360	2,538,646
483	180		169° 00' (28° 18')		7.8	89° 30'	+1.6	-6.2		1826.4		+158	+85	696519	2,538,701
484	506		160° 20' (19° 38')		10.8	89° 30'	+4.4	-6.4		1826.2		+477	+170	696838	2,538,786
485	835		158° 35' (17° 53')		9.7	89° 40'	+4.9	-4.8		1827.8		+795	+256	697156	2,538,872
TP486	1168		158° 35' 59"		5.2	89° 30'	+3.4	-1.8		1830.8	TP	+1111	+359	697472	2,538,975 ACROSS STA.
TP486	1168		(17° 54' 01")		7.3	270° 16'	+5.5	-1.8			TP				
TP8			0 00 00												
486	0				+5.15	4i		+5.1	1835.9		T	0	0	697472	2,538,975
487	332		194° 58' (32° 52')		7.0	89° 30'	+2.9	-4.1		1831.8		+279	+180	697751	2,539,155
TP9	596		195° 39' 41"		6.2	89° 30'	+5.2	-1.0			TP	+497	+329	697969	2,539,304
TP9	596		(33° 33' 42")		6.3	270° 30'	+5.2	-1.1		1834.8	TP				surveged Azim. 33° 33' 42"
486			0 00 00												collected gr's Azimuth
TP9	0		(33° 35' 02")		+5.0	4i		+5.0	1839.8		T	0	0	697969	2,539,304
488	73		217° 05' (70° 40')		5.2	91° -	-1.3	-6.5		1833.3		+24	+69	697993	2,539,373
489	400		201° 50' (55° 25')		4.8	-	-	-4.8		1835.0		+227	+329	698116	2,539,633
490	727		204° 40' (58° 15')		8.0	89° 30'	+6.4	-1.6		1838.2		+383	+618	698352	2,539,922
TP	889		205° 54' 59"		5.7	89° 30'	+7.8	+2.1			TP	+451	+766	698470	2,540,070
TP	889		(59° 30' 01")		5.8	270° 30'	+7.8	+2.0		1841.8	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8.7.84		B. Cotcamp		R. Trowbridge		6834		W		2		66			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Curlew - 15'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (92105)							1841.8					
TP ₉			0° 00' 00"												
TP ₁	0				+5.1	Mi		+5.1	1846.9		TP	0	0	698,420	2,540,070
491	172		207° 10' (86° 40')		5.9	89° -	+3.0	-2.9		1844.0		+10	+172	698,430	2,540,242
492	501		203° 35' (83° 05')		8.9	89° -	+8.7	-0.2		1846.7		+60	+497	698,480	2,540,567
493	831		203° 00' (82° 30')		12.0	89° -	+14.5	+2.5		1849.4		+108	+824	698,528	2,540,894
494	1160		203° 11' 29"		12.4	89° -	+20.3	+7.9			TP	+148	+1150	698,568	2,541,220
494	1160		(82° 41' 30")		12.5	271° -	+20.3	+7.8		1854.7	TP				
TP ₁			0° 00' 00"												
494	0				+5.25	Mi		+5.2	1859.9		TP	0	0	698,568	2,541,220
495	330		188° 00' (90° 42')		7.2	88° 30'	+8.6	+1.4		1861.3		-4	+330	698,564	2,541,550
496	660		189° 00' (91° 42')		8.0	88° 30'	+17.3	+9.3		1869.2		-20	+660	698,548	2,541,880
497	990		189° 05' (91° 47')		8.1	88° 30'	+25.9	+17.8		1877.7		-31	+990	698,537	2,542,210
TP ₂	1250		187° 21' 32"		8.6	88° 30'	+32.8	+24.2			TP	-1	+1250	698,567	2,542,470
TP ₂	1250		(90° 03' 02")		8.7	271° 30'	+32.8	+24.1		1884.0	TP				
494			0° 00' 00"												
TP ₂	0				+5.1	Mi		+5.1	1889.1		TP	0	0	698,567	2,542,470
498	68		168° 20' (78° 23')		5.9	88° 10'	+2.2	-3.7		1885.4		+14	+67	698,581	2,542,537
499	230		164° 19' 00" (74° 22' 02")		7.0	88° 10'	+7.4	+0.4		1889.5		+62	+221	698,629	2,542,691
499	398		167° 10' (77° 13')		8.2	88° 10'	+12.7	+4.5		1893.6		+88	+388	698,655	2,542,858
500	728		" " " "		10.3	88° 10'	+23.3	+13.0		1902.1		+161	+710	698,728	2,543,180

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-7-84		B. Cotcamp		R. Trowbridge		6834		B.P.C		2		67			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		CURLER-15'		WASH		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES = 7 (9x10s)						1889.1						
501	1056		164° 50' (74° 53')		7.5	88° 20'	+30.7	+23.2		1912.3		+275	+1019	698,842	2,543,489
502	1382		162° 23' (72° 26')		9.0	87° 50'	+52.3	+43.3		1932.4		+417	+1318	698,964	2,543,788
503	1706	1704.4	160° 00' 09"		7.6	87° 30'	+74.5	+66.9			TP	+581	+1602	699,148	2,544,072
503	1706		(70° 03' 11")		7.9	272° 30'	+74.5	+66.6		1955.8	TP				
TP			0 00 00												
503	0				+5.15	Hi		+5.1	1960.9		TP	0	0	699,148	2,544,072
504	329		154° 55' (44° 58')		5.7	86° -	+23.0	+17.3		1978.2		+233	+233	699,381	2,544,305
505	658		152° 15' (42° 18')		8.0	86° -	+45.9	+37.9		1998.8		+487	+443	699,635	2,544,515
TP ₃	933	930.7	153° 05' 36"		9.2	86° -	+65.1	+55.9			TP	+679	+636	699,827	2,544,708
TP ₃	933		(43° 08' 47")		9.3	274° -	+65.1	+55.8		2016.7	TP				
503			0 00 00												
TP ₃	0				+5.1	Hi		+5.1	2021.8		TP	0	0	699,827	2,544,708
506	69		226° 15' (89° 21')		5.8	87° 30'	+3.0	-2.8		2019.0		+1	+69	699,828	2,544,777
507	393		268° 55' (72° 04')		5.8	87° -	+20.6	+14.8		2036.6		+121	+374	699,948	2,545,082
TP ₄	597	596.2	209° 09' 01"		6.3	87° -	+31.3	+25.0		2046.8	TP	+181	+568	700,008	2,545,276
TP ₄	597		(72° 11' 48")		6.3	273° -	+31.3	+25.0			TP				
TP ₃			0 00 00												
TP ₄	0				+5.05	Hi		+5.0	2051.8		TP	0	0	700,008	2,545,276
508	133		205° 10' (97° 28')		6.2	87° 40'	+5.4	-0.8		2051.0		-17	+132	699,991	2,545,408
509	460		194° 30' (86° 48')		7.8	87° 40'	+18.7	+10.9		2062.7		+26	+459	700,034	2,545,735

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-7-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		68			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		CURLEW-15		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC.	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (90.00)						2051.8						
510	788	787.4	194° 52' 40"		9.3	87° 40'	+32.1	+22.8			TP	+39	+786	700,047	2,546,062
510	788		(87° 10' 28")		14.0	272° 40'	+36.7	+22.7		2074.5	TP				
TP ₄			0 00 00												
510	0				+5.2	Hi		+5.2	2079.7		T	0	0	700,047	2,546,062
511	330		189° 10' (96° 20')		6.2	87° -	+17.3	+11.1		2090.8		-36	+328	700,011	2,546,396
512	660		188° 05' (95° 15')		6.1	87° -	+34.6	+28.5		2108.2		-60	+657	699,987	2,546,719
513	987		184° 30' (91° 40')		6.4	86° 50'	+54.5	+48.1		2127.8		-29	+987	700,018	2,547,049
514	1307	1304.8	180° 29' 15"		8.0	86° 40'	+76.0	+68.0			TP	+53	+1304	700,100	2,547,366
514	1307		(87° 39' 43")		8.1	273° 20'	+76.0	+67.9		2147.6	TP				
510			0 00 00												
514	0				+5.2	Hi		+5.2	2152.8		T	0	0	700,100	2,547,366
515	330		155° 20' (63° 00')		3.6	87° -	+17.3	+13.7		2166.5		+150	+294	700,250	2,547,660
516	659		152° 00' (59° 40')		6.6	87° 30'	+28.8	+22.2		2175.0		+333	+569	700,433	2,547,935
517 TP ₅	2354	2350.8	155° 15' 16"		9.6	87° -	+123.3	+113.7			TP	+1070	+2093	701,170	2,549,459
TP ₅	2354		(62° 54' 59")		9.9	273° -	+123.3	+113.4	+113.5	2266.3	TP				
514			0 00 00												
TP ₅	0				+5.05	Hi		+5.0	2271.3		T	0	0	701,170	2,549,459
517	1386		4° 51' (247° 46')		7.9	92° 36'	-10.2	-68.1		2203.2		-522	-1277	700,648	2,548,182
518	1073		10° 31' (253° 26')		7.1	92° 30'	-46.8	-53.9		2217.4		-306	-1028	700,864	2,548,431
519	761		16° 54' (259° 49')		6.1	92° 20'	-33.2	-39.3		2232.0		-135	-749	701,035	2,548,710

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTICE CHECKED BY		LINE NO.		PAGE			
8.7.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		70			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		CURLW-15		WASH.		FERBY								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
									2381.5						
532	1104	1102.3	201° 53' 00"		7.5	86° 50'	+61.0	+53.5			TP	-409	+1024	700,616	2,552,871
532	1104		(111° 45' 34")		7.7	273° 10'	+61.0	+53.3	+53.4	2434.9	TP				
TP6			0° 00' 00"												
532	0				+5.15	Mi.		+5.1		2440.0	TP	0	0	700,616	2,552,871
533	330		176° 20' (108° 06')		6.5	86° 20'	+21.1	+14.6		2454.6		-103	+314	700,513	2,553,185
534	659		173° 35' (105° 21')		8.4	86° 20'	+42.2	+33.8		2473.8		-174	+635	700,442	2,553,506
535	989		172° 00' (103° 46')		9.5	86° 20'	+63.3	+53.8		2493.8		-235	+961	700,381	2,553,832
536	1319		171° 50' (103° 36')		10.1	86° 20'	+84.4	+74.3		2514.3		-310	+1282	700,306	2,554,153
537	1646		173° 11' (104° 57')		7.2	86° 30'	+100.5	+93.3		2533.3		-425	+1590	700,191	2,554,461
TP7	1808	1804.6	173° 01' 07"		7.6	86° 30'	+110.4	+102.8			TP	-460	+1745	700,156	2,554,616
TP7	1808		(104° 46' 41")		7.9	273° 30'	+110.4	+102.5	+102.6	2542.6	TP				
532			0° 00' 00"												
TP8	0				+5.0	Mi.		+5.0		2547.6	TP	0	0	700,156	2,554,616
538	171		195° 25' (120° 12')		6.4	86° -	+11.9	+5.5		2553.1		-86	+148	700,070	2,554,764
539	500		187° 35' (112° 22')		9.6	86° -	+34.9	+25.3		2572.9		-190	+462	699,916	2,555,078
540	829		184° 50' (109° 37')		11.0	86° 10'	+55.4	+44.4		2592.0		-278	+781	699,878	2,555,397
541	1159		184° 35' (109° 22')		9.3	86° 20'	+74.1	+64.8		2612.4		-384	+1093	699,772	2,555,709
TP8	1481	1478.2	184° 47' 46"		7.2	86° 30'	+90.5	+83.3			TP	-495	+1393	699,661	2,556,009
TP8	1481		(109° 34' 27")		7.3	273° 30'	+90.5	+83.2		2630.8	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8.7.84		B. Cotcamp		R. Trowbridge		6834		B.P.W		2		91			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Cullow-15		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										2630.8					
TP7			0° 00' 00"												
TP8	0				+5.3	M.		+5.3	2636.1		π	0	0	699,666	2,556,009
542	35		271° 40' (201° 14')		6.0	89° -	+0.6	-5.4		2630.7		-33	-13	699,628	2,555,996
543	348		214° 10' (143° 44')		5.9	86° 20'	+22.3	+16.4		2652.5		-281	+206	699,380	2,556,215
544 TP8	1389	1386.2	215° 52' 35"		8.8	86° 20'	+88.9	+80.1			TP	-1142	+786	698,519	2,556,795
TP8	1389		(145° 21' 02")		8.9	273° 40'	+88.9	+80.0		2716.1	TP				
TP8			0° 00' 00"												
TP9	0				+5.1	M.		+5.1	2721.2		π	0	0	698,519	2,556,795
544	712		358° 40' (324° 07')		7.7	93° 20'	-41.4	-49.1		2672.1		+577	-417	699,096	2,556,378
545	385		353° 40' (319° 07')		5.6	93° 20'	-22.4	-28.0		2693.2		+291	-252	698,810	2,556,543
546	56		345° 20' (310° 47')		5.6	93° -	-2.9	-8.5		2712.7		+37	-42	698,556	2,556,753
547	274		158° 45' (124° 12')		6.7	86° 20'	+17.5	+10.8		2732.0		-154	+227	698,365	2,557,022
548	599	597.8	151° 44' 02"		7.5	86° 20'	+38.3	+30.8			TP	-273	+532	698,246	2,557,327
548	599		(117° 11' 04")		5.8	86° 30'	+36.6	+30.8		2752.0	TP				
TP9			0° 00' 00"												
548	0				+5.1	M.		+5.1	2752.1		π	0	0	698,246	2,557,327
549	329		159° 50' (97° 01')		6.6	86° 30'	+20.1	+13.5		2770.6		-40	+327	698,206	2,557,654
550	658		156° 15' (93° 26')		7.3	86° 30'	+40.2	+32.9		2790.0		-39	+657	698,207	2,557,984
551	987		157° 10' (94° 21')		7.0	86° 30'	+60.3	+53.3		2810.4		-75	+984	698,171	2,558,311

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8.7.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		72			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Curren - 15'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (grids)						2757.1						
552	1311	1308.6	159° 58' 02"		7.2	86° 30'	+80.1	+72.9			TP	-163	+1298	698083	2.558.625
552	1311		(97° 09' 06")		7.4	273° 30'	+80.1	+72.7	+72.8	2829.9	TP				
548			0 00 00												
552	0				+5.15	4i		+5.1	2835.0		X	0	0	698083	2.558.625
553	330		194° 43' (111° 52')		6.5	86° 20'	+21.1	+14.6		2849.6		-123	+306	697960	2.558.731
554	660		" " "		8.0	86° 20'	+42.2	+34.2		2869.2		-246	+613	697837	2.559.238
555	990		" " "		9.3	86° 20'	+63.3	+54.0		2889.0		-369	+919	697714	2.559.544
556	1320		" " "		10.8	86° 20'	+84.5	+73.7		2908.7		-492	+1225	697591	2.559.856
557	1650		" " "		11.9	86° 20'	+105.6	+93.7		2928.7		-615	+1531	697468	2.560.156
558	1980		" " "		7.8	86° 30'	+121.0	+113.2		2948.2		-737	+1838	697346	2.560.463
559	2309	2304.7	(111° 54' 04")		8.1	86° 30'	+141.1	+133.0			TP	-860	+2138	697223	2.560.763
559	2309		194° 44' 58"		8.2	273° 30'	+141.1	+132.9		2967.9	TP				
552			0 00 00												
559	0				+5.0	4i		+5.0	2972.9		X	0	0	697223	2.560.763
560	330		180° 02' (111° 56')		6.3	86° 20'	+21.1	+14.8		2987.7		-123	+306	697100	2.561.069
561	659		182° 10' (114° 04')		7.4	86° 20'	+42.2	+34.8		3007.7		-269	+602	696954	2.561.365
562	988		183° 50' (115° 44')		8.8	86° 20'	+63.2	+54.4		3027.3		-429	+890	696794	2.561.653
563	1318		184° 25' (116° 19')		10.1	86° 20'	+84.3	+74.2		3047.1		-584	+1181	696639	2.561.944
564	1648		184° 03' (115° 57')		7.1	86° 30'	+100.7	+93.6		3066.5		-721	+1482	696502	2.562.245

CURREN-15' ↑
Boundary mtg. 2 1/2'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8.7.84		B. Cotcamp		R. Trowbridge		6834		B. Clark		2		73			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Boundary mtn. - 7 1/2'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (GRIDS)						2972.9						
TP10	1861	1857.5	183° 38' 59"		7.7	86° 30'	+113.7	+106.0			TP	-801	+1676	696422	2,562,439
TP10	1861		(115° 33' 03")		7.8	273° 30'	+113.7	+105.9		3078.8	TP				
559			0 00 00												
TP10	0				+5.0	M.		+5.0		3083.8	T	0	0	696422	2,562,439
565	122		157° 05' (92° 38')		5.9	86° 30'	+7.4	+1.5		3085.3		-6	+122	696416	2,562,561
566	452		161° 10' (96° 43')		6.7	86° 30'	+27.6	+20.9		3104.7		-53	+449	696369	2,562,888
567	782		159° 58' (95° 31')		6.9	86° 30'	+47.8	+40.9		3124.7		-75	+778	696347	2,563,217
568	1112		159° 20' (94° 53')		7.8	86° 30'	+67.9	+60.1		3143.9		-95	+1108	696327	2,563,547
IF	1233	1230.7	158° 31' 10" (94° 10' 13")		7.8	86° 30'	+75.3	+67.5		3151.3	IF	-90	+1227	696332	2,563,666 IF 3-696,340 x = 2,563,645 EL. 3155.0
569	1443	1440.3	158° 46' 00"		8.9	86° 30'	+88.1	+79.2			TP	-108	+1436	696314	2,563,875
569	1443		(94° 19' 03")		9.0	273° 30'	+88.1	+79.1		3162.9	TP				
TP10			0 00 00												
569	0				+5.1	M.		+5.1		3168.0	T	0	0	696314	2,563,875
570	330		168° 10' (82° 29')		9.6	86° 10'	+22.1	+12.5		3180.5		+43	+327	696357	2,564,202
571	660		167° 35' (81° 54')		10.7	86° 10'	+44.1	+33.4		3201.4		+93	+653	696407	2,564,528
Bm	860		165° 06' 23" (79° 25' 26")		5.5	86°	+60.0	+54.5		3222.5	Bm	+157	+843	696471	2,564,718 5-696,485 x = 2,564,705 U.S.G.S Bm EL. 3220.64 55m 1940 RESET
572	986		170° 00' (84° 19')		11.6	86° 10'	+65.9	+54.3		3222.3		+98	+981	696412	2,564,856
TP11	1114	1111.92	170° 26' 16"		7.8	86° 30'	+68.0	+60.2			TP	+102	+1107	696416	2,564,982
TP11	1114		(84° 45' 19")		7.9	273° 30'	+68.0	+60.1		3228.1	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 8-11-84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbridge	PARTY NUMBER 6834	NOTES CHECKED BY B. Cotcamp	LINE NO. 2	PAGE 74
AREA Washington	TOPO MAP BOUNDARY mt. - 7 1/2'	STATE WASH.	COUNTY FERRY	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
			PLATES → (grids)													
TP ₆₈₃			0° 00' 00"							3228.1						
TP ₇₂₇₃	0				+5.15	Hi		+5.1	3233.2		T	0	0	696,416	2,564,982	264° 49' 07" grid azim computed SUNSHOT.
573	206		201° 20' (106° 09')		6.8	87° 30'	+9.0	+2.2		3235.4		-57	+198	696,359	2,565,180	
574	534		198° 00' (102° 49')		7.8	88° -	+18.6	+10.8		3244.0		-118	+521	696,298	2,565,503	
575	863	862.5	199° 50' 14"		7.9	88° -	+30.1	+22.2		3255.4	TP	-218	+834	696,198	2,565,816	
575	863		(104° 39' 21")		7.9	272° -	+30.1	+22.2			TP					
TP			0° 00' 00"													
575	0				+5.3	Hi		+5.3	3260.7		T	0	0	696,198	2,565,816	
576	330		188° 58' (113° 37')		7.9	86° 20'	+21.1	+13.2		3273.9		-132	+302	696,066	2,566,118	
577	660	658.6	- - - -		9.4	86° 20'	+42.2	+32.8		3293.5		-264	+603	695,934	2,566,419	
578	990	988.2	- - - -		8.3	86° 30'	+60.5	+52.2		3312.9		-396	+905	695,802	2,566,721	
579	1320	1317.5	- - - -		8.8	86° 30'	+80.6	+71.8		3332.5		-528	+1207	695,670	2,567,023	
580	1650	1646.9	- - - -		9.7	86° 30'	+100.8	+91.1		3351.8		-660	+1509	695,538	2,567,325	
581	1980	1976.3	- - - - (- -)		10.6	86° 30'	+121.0	+110.4		3371.1		-792	+1811	695,406	2,567,627	
581	2195	2190.9	188° 44' 30" (113° 23' 51")		10.7	86° 30'	+134.1	+123.4		3384.1	TI	-870	+2011	695,328	2,567,929	5-695,325 X-2,567,825 y-Inter. EL. 3387.0
582	2310	2305.7	188° 58' (113° 37')		11.7	86° 30'	+141.1	+129.4		3390.1		-924	+2113	695,274	2,568,231	
583	2638	2633.5	189° 35' (114° 14')		7.7	86° 40'	+153.5	+145.8		3406.5		-1081	+2401	695,117	2,568,533	
584	2966	2960.9	189° 50' (114° 29')		8.8	86° 40'	+172.6	+163.8		3424.5		-1227	+2695	694,971	2,568,835	
585	3297	3290.9	190° 01' 09"		14.3	86° 30'	+201.5	+187.2			TP	-1374	+2990	694,824	2,568,806	4-2-84
585	3297		(114° 40' 30")		14.4	273° 30'	+201.5	+187.1		3447.8	TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		KINE NO.		PAGE			
8-11-84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		2		75			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		BOUNDARY Mt. -7 1/2'		WASH		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (99105)												
575			0 00 00							3447.8					
585	0			+ 5.25	M.			+5.2	3453.0		TP	0	0	694,824	2568806
586	329	328.0	191 50 (126° 31')		4.4	85° 30'	+25.8	+21.4		3474.4		-195	+264	694,629	2569070
587	659	657.0	193 05 (127° 46')		5.4	85° 30'	+51.7	+46.3		3499.3		-402	+519	694,422	2569325
588	989	986.0	193 28 (128° 09')		7.7	85° 30'	+77.6	+69.9		3522.9		-609	+775	694,215	2569581
589	1317	1312.9	192 54 (127° 35')		10.1	85° 30'	+103.4	+93.3		3546.3		-801	+1040	694,023	2569846
TP ₁	1386	1381.7	192 41 04		10.4	85° 30'	+108.8	+98.4		3551.4	TP	-838	+1098	693,986	2569904
TP ₁	1386		(127° 21' 34")		10.3	274° 30'	+108.8	+98.5			TP				
585			0 00 00												
TP ₁	0			+4.9	M.			+4.9	3556.3		TP	0	0	693,986	2569904
590	264		155 20 (102° 42')		6.1	86° -	+18.4	+12.3		3568.6		-58	+258	693,928	2570162
591	589	587.9	148 16 15		7.9	86° 30'	+36.0	+28.1		3584.4	TP	-58	+585	693,928	2570489
591	589		(95° 37' 49")		7.9	273° 30'	+36.0	+28.1			TP				
TP ₁			0 00 00												
591	0			+4.85	M.			+4.8	3589.2		TP	0	0	693,928	2570489
592	330		164 10 (79° 48')		6.3	88° -	+11.5	+5.2		3594.4		+58	+325	693,986	2570814
593	658		167 35 (83° 13')		11.2	88° -	+23.0	+11.8		3601.0		+78	+653	694,006	2571142
TP ₂	1072	1071.4	188° 43 40		7.9	88° -	+37.4	+29.5			TP	-266	+1038	693,662	2571527
TP ₂	1072		(104° 21' 29")		8.0	272° -	+37.4	+29.4		3618.6	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	8-11-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. TROWBRIDGE	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	2	PAGE	76	
AREA	WASHINGTON	TOPO MAP	BOUNDARY mt. - 7 1/2'	STATE	WASH.	COUNTY	FERRY	TWP		RANGE		PPM	PARTY MANAGER	L.O. Davis

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			PLATES-7 (9RIDS)											
591			0 00 00							3618.6				
TP ₂	0				+5.25	Hi		+5.2	3623.8		T	0	0	693,662 2571,527
594	207		44° 00' (328° 21')		7.3	92°	-7.2	-14.5		3609.3		+176	-109	693,838 2571,418
595	142		51° 48' 38" (336° 10' 07")		6.0	92°	-5.0	-11.0		3612.8	H	+130	-57	693,792 2571,470
595	123		232° 40' (157° 01')		5.2	87°	+6.4	+1.2		3625.0		-113	+48	693,549 2571,575
596	452	451.4	227° 35' (151° 36')		8.9	87°	+23.7	+14.8		3638.6		-399	+213	693,263 2571,740
TP ₃	696	695.3	223° 23' 42"		7.4	87° 30'	+30.4	+23.0			TP	-588	+371	693,074 2571,898
TP ₃	696		(147° 45' 11")		7.5	272° 30'	+30.4	+22.9		3646.7	TP			
TP ₂			0 00 00											
TP ₃	0				+5.2	Hi		+5.2	3651.9		T	0	0	693,074 2571,898
597	82		162° 00' (129° 45')		5.8	88°	+2.9	-2.9		3649.0		-52	+63	693,022 2571,961
598	411		155° 55' (123° 40')		8.3	88°	+14.3	+6.0		3657.9		-228	+342	692,846 2572,240 BOUNDARY mt. - 7 1/2'
599	741		154° 05' (121° 30')		10.2	88°	+25.9	+15.7		3667.6		-391	+630	692,683 2572,528 mt. LEONA - 7 1/2'
600 TP ₆	881		153° 23' 07"		5.9	88° 20'	+25.6	+19.7			TP	-455	+754	692,649 2572,652
600 TP ₆	881		(121° 08' 18")		6.0	271° 40'	+25.6	+19.6		3671.5	TP			
TP ₃			0 00 00											
TP ₄	0				+5.25	Hi		+5.2	3676.7		T	0	0	692,619 2572,652
600	190		175° 45' (116° 53')		6.2	88°	+6.6	+0.4		3677.1		-86	+169	692,533 2572,821
601	599		172° 00' (113° 08')		6.1	88°	+18.1	+12.0		3688.7		-204	+477	692,415 2573,129
602	848		169° 30' (110° 38')		5.8	88°	+29.6	+23.8		3700.5		-299	+794	692,320 2573,446

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		PAGE NO.		PAGE			
8-11-84		B. Cotcamp		R. Trowbridge		6834		BCW		2		77			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		MT. LEONA - 7 1/2'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES-7 (9RIDS)						3676.7						
603	1177	1176.3	168° 35' (109° 43')		4.8	88° -	+41.1	+36.3		3713.0		-397	+1107	692,222	2573759
604	1509	1508.1	169° 03' 54"		3.1	88° -	+52.7	+49.6			TP	-521	+1415	692,098	2574067
604	1509		(110° 12' 12")		3.2	272° -	+52.7	+49.5		3726.2	TP				
TP4			0 00 00												
604	0				+5.2	M.		+5.2		3731.4	T	0	0	692,098	2574067
605	330		192° 40' (122° 52')		8.1	87° 30'	+14.4	+6.3		3737.7		-179	+277	691,919	2574344
606	660	659.4	190° 45' (120° 57')		9.6	87° 30'	+28.8	+19.2		3750.6		-339	+506	691,759	2574123
607	990	989.1	190° 15' (120° 27')		9.2	87° 30'	+43.2	+34.0		3765.4		-501	+853	691,597	2574920
608	1321	1319.7	189° 55' 36"		8.9	87° 30'	+57.7	+48.8		3780.2	TP	-662	+1141	691,436	2575206
608	1321		(120° 07' 48")		8.9	272° 30'	+57.7	+48.8			TP				
604			0 00 00												
608	0				+5.2	M.		+5.2		3785.4	T	0	0	691,436	2575206
609	329		188° 10' (128° 18')		6.4	87° -	+17.2	+10.8		3796.2		-204	+258	691,232	2575466
610	658	657.1	189° 50' (129° 58')		8.0	87° -	+34.4	+26.4		3811.8		-422	+504	691,014	2575712
611	984	982.7	187° 36' 21"		8.8	87° -	+51.5	+42.7		3828.1	TP	-601	+777	690,835	2575985
611	984		(127° 44' 09")		8.7	273° -	+51.5	+42.8			TP				
608			0 00 00												
611	0				+5.1	M.		+5.1		3833.2	T	0	0	690,835	2575985
612	330		167° 03' (114° 47')		6.3	87° 20'	+15.4	+9.1		3842.3	#	-138	+300	690,697	2576285
613	660	659.3	- ^ (-)		7.0	87° 20'	+30.7	+23.7		3856.9		-276	+599	690,559	2576584

y-690,700 x-2576,280
FOREST BOUNDARY

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8.11.84		B. Cotcamp		R. Trowbridge		6834		B.C.W		2		78			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		MT. LEONA-7 1/2'		WASH.		FERRY								L. O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (grids)						3833.2						
614	990	988.9	167° 03' (114° 47')		7.7	87° 20'	+46.1	+38.4		3871.6		-415	+898	690,420	2576863
615	1320	1318.5	" " (- ")		7.7	87° 20'	+61.4	+53.7		3886.9		-553	+1197	690,282	2577182
616	1645	1643.2	165° 50' (113° 34')		7.9	87° 20'	+76.6	+68.7		3901.9		-657	+1506	690,178	2577491
TPs	1678	1676.2	165° 28' 36"		7.8	87° 20'	+78.1	+70.3			TP	-661	+1540	690,174	2577525
TPs	1678		(113° 12' 45")		7.9	272° 40'	+78.1	+70.2		3903.4	TP				
611			0 00 00												
TPs	0				+5.15	M.		+5.1		3908.5	T	0	0	690,174	2577525
617	294		158° 40' (91° 53')		7.8	87° -	+15.4	+7.6		3916.1		-10	+294	690,164	2577819
618	620	619.2	152° 20' (85° 33')		10.6	87° -	+32.5	+21.9		3930.4		+48	+617	690,222	2578142
619	949	948.0	150° 40' (83° 53')		7.7	87° 20'	+44.2	+36.5		3945.6	#1	+101	+943	690,275	2578468
620	1279	1277.6	149° 45' (82° 58')		8.2	87° 20'	+59.5	+51.3		3959.8		+156	+1268	690,330	2578793
621	1608	1606.3	149° 00' (82° 13')		8.3	87° 20'	+74.9	+66.6		3975.1		+218	+1592	690,392	2579117
622	1938	1935.9	148° 55' (82° 08')		10.0	87° 20'	+90.2	+80.2		3988.7		+265	+1918	690,439	2579443
623	2269	2266.5	149° 01' 51"		9.6	87° 20'	+105.7	+96.1		4004.4	TP	+306	+2246	690,480	2579771 ACROSS STA.
623	2269		(82° 14' 36")		9.9	272° 40'	+105.7	+95.8			TP				
TPs			0 00 00												
623	0				+5.2	M.		+5.2		4009.6	T	0	0	690,480	2579771
624	333		208° 00' (110° 15')		8.1	87° -	+17.4	+9.3		408.9		-115	+312	690,365	2580083
625	658	656.9	214° 00' (116° 15')		6.0	86° 40'	+38.3	+32.3		4041.9		-291	+589	690,189	2580310

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-11-84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		79			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		MT. LEONA - 7 1/2'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (92.05)						4009.6						
626	970	967.8	221° 17' 11"		6.0	86° 10'	+64.9	+58.9		4068.5	TP	-535	+807	689,945	2,580,576
626	970		(123° 31' 47")		6.1	213° 50'	+64.9	+58.9			TP				
623			0° 00' 00"												
626	0				+5.3	M.		+5.3	4073.8		T	0	0	689,945	2,580,578
627	329	327.7	211° 05' (154° 31')		7.0	85° -	+28.7	+21.7		4095.5		-296	+140	689,649	2,580,718
628	658	655.5	213° 45' (157° 17')		8.6	85° -	+57.4	+48.8		4122.6		-605	+253	689,340	2,580,931
629	985	981.3	211° 35' (155° 07')		10.8	85° -	+85.9	+75.1		4148.9		-890	+413	689,055	2,580,991
TP ₆	1151	1146.9	211° 15' 46"		5.1	85° 10'	+97.0	+91.9		4165.6	TP	-1038	+488	688,907	2,581,066
TP ₆	1151		(154° 47' 33")		5.3	274° 50'	+97.0	+91.7	418.3		TP				
626			0° 00' 00"												
TP ₆	0				+5.1	M.		+5.1	4170.7		T	0	0	688,907	2,581,066
630	181	180.6	140° 10' (114° 58')		9.0	86° -	+12.6	+3.6		4174.3		-76	+164	688,831	2,581,230
631	510	508.8	141° 46' (116° 28')		5.8	86° -	+35.6	+29.8		4200.5		-227	+455	688,680	2,581,521
TP ₃	755	753.2	137° 03' 14"		3.1	86° -	+52.7	+49.6			TP	-280	+699	688,627	2,581,765
TP ₃	755		(111° 50' 47")		3.2	274° -	+52.7	+49.5		4220.2	TP				
TP ₆			0° 00' 00"												
TP ₃	0				+5.25	M.		+5.2	4225.4		T	0	0	688,627	2,581,765
632	80		165° 00' (96° 51')		5.9	85° -	+7.0	+1.1		4226.5		-10	+79	688,617	2,581,844
633	408	406.4	155° 10' (87° 01')		8.7	85° -	+35.6	+26.9		4252.3		+21	+406	688,678	2,582,171

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8-11-84		B. Cotcamp		R. Trowbridge		6834		R.T. W		2		80			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		MT. LEONA - 7 1/2'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (GRIDS)						4225.4						
634	734	731.7	149° 42' 32"		6.0	85° 30'	+57.6	+51.6			TP	+107	+724	688,734	2582,489
634	734		(81° 33' 19")		6.1	274° 30'	+57.6	+51.5		4276.9	TP				
TP ₇			0° 00' 00"												
634	0				+5.25	H.		+5.2	4282.1		T	0	0	688,734	2582,489
635	330	328.9	172° 45' (74° 18')		6.3	85° 20'	+26.9	+20.6		4302.7		+89	+317	688,823	2582,806
636	658	655.8	167° 45' (69° 18')		9.0	85° 20'	+53.5	+44.5		4326.6		+232	+613	688,966	2583,102
637	986	983.0	167° 05' (68° 38')		7.9	85° 30'	+77.4	+69.5		4351.6		+358	+915	689,092	2583,404
638	1313	1309.3	166° 50' 52"		7.6	85° 40'	+99.2	+91.6			TP	+482	+1217	689,216	2583,700 ACROSS STA.
638	1313		(68° 24' 11")		7.8	274° 20'	+99.2	+91.4	+91.5	4373.6	TP				
634			0° 00' 00"												
638	0				+5.2	H.		+5.2	4378.8		T	0	0	689,216	2583,700
639	329	328.3	172° 45' (61° 09')		7.1	86° 20'	+21.0	+13.9		4392.7		+158	+288	689,374	2583,994
TP ₈	456	455.2	173° 30' 31"		6.7	86° 30'	+27.8	+21.1			TP	+214	+402	689,430	2584,108
TP ₈	456		(61° 54' 42")		5.4	86° 40'	+26.5	+21.1		4399.9	TP				
638			0° 00' 00"												
TP ₈	0				+5.3	H.		+5.3	4405.2		T	0	0	689,430	2584,108
640	202		208° 25' (90° 20')		7.1	87°	+10.6	+3.5		4408.7		-1	+202	689,429	2584,310
641	513	512.3	227° 10' (109° 05')		7.1	87°	+26.9	+19.8		4425.0		-167	+484	689,263	2584,512
TP ₉	753	752.0	227° 11' 15"		5.4	87°	+39.4	+34.0			TP	-246	+711	689,184	2584,819
TP ₉	753		(109° 05' 57")		5.5	273°	+39.4	+33.9		4439.1	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
8.11.84		B. Cotcamp		R. Trowbridge		6834		R.T.		2		81			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		MT. LEONA - 7 1/2'		WASH.		FERRY								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP8			Plates → (grids)							4439.1					
TP9	0				+5.2	Hi		+5.2	4444.3		T	0	0	689,184	2584,819
642	79		143° 30' (72° 36')		5.8	87°	+4.1	-1.7		4442.6		+24	+75	689,208	2584,894
TP10	775	773.9	133° 44' 20"		5.2	87°	+40.6	+35.4			TP	+353	+689	689,537	2585,508
TP10	775		(62° 50' 17")		5.3	273°	+40.6	+35.3		4479.6	TP				
TP9			0° 00' 00"												
TP10	0				+5.1	Hi		+5.1	4484.7		T	0	0	689,537	2585,508
643	409	408.4	10° 50' (253° 40')		6.9	93°	-21.4	-28.3		4456.4		-115	-392	689,422	2585,116
644	136		41° 10' (284° 00')		8.4	92°	-4.7	-13.1		4471.6		+33	-132	689,570	2585,376
645	194	193.3	219° 10' (102° 00')		7.6	85°	+16.9	+9.3		4494.0		-40	+189	689,497	2585,697
TP11	276	275.2	211° 56' 09"		6.5	85° 30'	+21.7	+15.2		4499.9	TP	-23	+274	689,514	2585,782
TP11	276		(94° 46' 26")		5.7	85° 40'	+20.9	+15.2			TP				
TP10			0° 00' 00"												
TP11	0				+5.15	Hi		+5.1	4505.0		T	0	0	689,514	2585,782
646	236	235.4	164° 50' (79° 36')		6.9	86°	+16.5	+9.6		4514.6		+42	+232	689,556	2586,014
647	562	560.6	172° 20' (87° 06')		5.4	86°	+39.2	+33.8		4538.8		+28	+560	689,542	2586,342
TP12	698	696.3	173° 14' 45"		6.5	86°	+48.7	+42.2		4547.2	TP	+24	+696	689,538	2586,478
TP12	698		(88° 01' 11")		6.5	274°	+48.7	+42.2			TP				
TP11			0° 00' 00"												
TP12	0				+5.0	Hi		+5.0	4552.2		T	0	0	689,538	2586,478

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

PAGE 82 OF 82

DATE 8-11-84	INSTRUMENT MAN B. Cotcamp	ROD MAN R. Trowbr'09e	PARTY NUMBER 6834	NOTES CHECKED BY RTB.C.W	LINE NO. 2	PAGE 82
AREA Washington	TOPO MAP MT. LEONA-7 1/2'	STATE WASH.	COUNTY FERRY	TWP	RANGE	PPM
				PARTY MANAGER L.O. Davis		

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
			PLATES → (9e'0s)						4552.2					
648	196	195.6	200° 20' (108° 21')		6.0	86° 10'	+13.1	+7.1		4597.3		-62	+186	689,476 2586.64
649	526	524.8	200° 50' (108° 51')		5.8	86° 10'	+35.2	+29.4		4581.6		-170	+497	689,368 2586.975
650	856	854.4	201° 07' 27" (109° 08' 38")		9.1	86° 30'	+52.3	+43.2		4595.4		-280	+807	689,258 2587.285
TP	919	917.3	200° 07' 32" (108° 08' 43')		10.8	86° 30'	+56.1	+45.3		4597.5		-286	+872	689,252 2587.350
TP	698				3.6	94° -	-48.7	-52.3			TP			
TP	698				3.7	266° -	-48.7	-52.4		4499.8	TP			
	23				+4.7	94° -	+1.6	+6.3	4506.1					
	23				+4.6	94° 10'	+1.7	+6.3						
X	0				5.2	-		-5.2		4500.9	X			
	33				13.4	-		-13.4		4492.7	TBM			TBM EL. 4492.2
	33				13.2	BH	-0.2	-13.4						

E.O.L. Line # 2
 SUNSHOT TAKEN @
 21's point. az. 109° 11' 54"
 Surveyed az. 109° 08' 38"
 - 3' 16"