

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

PAGE 1 of 65

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.4.84		B. Cotcamp		R. Trowbridge		6834		R.T.W		4		1			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH.		Boundary 7.5'		WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (grids) (385° 04' 00")						1968.2						
1	660	6	0 00 00		6.3	91° 18'	-15.0	-21.3		1946.9		+657	-57	709,238	2749,439
2	330		" "		9.2	91° 20'	-7.9	-16.9		1951.3		+329	-28	708,910	2749,468
3	0				5.1	-		-5.1		1963.1	TP	0	0	708,581	2749,496
R #1	132		178° 41' 37" (173° 45' 37")		+4.7	88° 30'	-3.5	+1.2		1967.0	TP	+131	=14	708,450	2749,510
4	330		181° 40' (176° 44')		5.9	88° 30'	+8.6	+2.7		1970.9		-329	+19	708,252	2749,515
5	660		" " (- " )		6.9	89° -	+11.5	+4.6		1972.8		-659	+38	707,922	2749,534
TP	811		180° 48' 37"		10.0	89° -	+14.2	+4.2			TP	-809	+58	707,773	2749,556
TP	811		(175° 52' 37")		10.2	271° -	+14.2	+4.0	+4.1	1972.3	TP	+1	+2		
3			0 00 00												
TP	0				+5.2	Hi		+5.2		1977.5	TP	0	0	707,773	2749,556
6	181		187° 45' (183° 38')		5.3	90° 30'	-1.6	-6.9		1970.6		-181	-11	707,592	2749,545
7	511		183° 15' (179° 08')		5.8	91° -	-8.9	-14.7		1962.8		-511	+8	707,262	2749,564
8	841		182° 10' (178° 03')		11.8	91° -	-14.7	-26.5		1951.0		-840	+29	706,933	2749,565
9	1171		182° 04' (177° 57')		9.0	91° 20'	-27.2	-36.2		1941.3		-1170	+42	706,603	2749,598
10	1501		" " (- " )		12.6	91° 26'	-37.5	-50.1		1927.4		-1500	+54	706,273	2749,610
R	4141	4140.1	182° 04' 46"		12.1	91° 12'	-86.4	-98.5			TP	-4137	+148	703,637	2749,706
R	4141		(177° 57' 23")		13.1	268° 48'	-86.4	-99.5	-99.0	1878.5	TP	+1	+2		
TP			0 00 00												
R	0				+5.1	Hi		+5.1		1883.6	TP	0	0	703,637	2749,706
11	2310		0° 05' (358° 02')		9.3	89° -	+46.4	+31.1		1914.7		+2308	-79	705,945	2749,629

355° 04' 00" -  
SUNSHOT TAKEN TO DETERMINE  
STATION GRID AZIMUTH  
E. 1967  
TP-708,450  
X-2749,510

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
9.4.84		B. Cotcamp		R. TROWBRIDGE		6834		B.C. W		4		2				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
WASH. Nqton		Boundary - 7 1/2		WASH.		Stevens								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS & TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									1883.6							
12	1980		0 21' 44" (1907")		9.9	89° 10'	+28.9	+19.0		1902.6	TI	+1979	-58	705616	2749648	4 - 705,600 x 2749,610 T-INTERSECT
13	1650		0° 14' (358")		13.2	89° 10'	+24.1	+10.9		1894.5		+1649	-52	705286	2749654	
14	1320		" " (- -)		10.0	89° 10'	+19.2	+9.2		1892.8		+1319	-42	704956	2749664	
15	990		" " (- -)		8.9	89° 10'	+14.4	+5.5		1889.1		+989	-31	704626	2749675	
16	660		" " (- -)		7.3	89° 10'	+9.6	+2.3		1885.9		+660	-21	704297	2749685	
17	330		" " (- -)		7.6	88° 30'	+8.6	+1.0		1884.6		+330	-10	703967	2749696	
18	0				-5.1			-5.1		1878.5	T	0	0	703637	2749706	
19	330		180° 45' (178° 42')		4.0	91° 30'	-8.6	-12.6		1871.0		-330	+7	703307	2749713	
TI	590		181° 22' 40" (179° 20' 03")		4.8	91° 40'	-17.2	-22.0		1861.6	TI	-590	+7	703047	2749713	TI - 703,100 x 2749,715 y-INTERSECT
TP <sub>2</sub>	832		178° 48' 53"		6.1	91° 30'	-21.8	-27.9		1855.7	TP	-830	+47	702808	2749755	
TP <sub>2</sub>	832		(176° 46' 16")		6.1	268° 30'	-21.8	-27.9			TP	"	+2			
18			0 00 00													
TP <sub>2</sub>	0				+5.15	Hi		+5.2	1860.9		T	0	0	702808	2749755	
20	198		337° 20' (334° 06')		8.0	89°	+3.5	-4.5		1856.4		+178	-86	702986	2749669	
21	56		136° 40' (133° 26')		5.0	88° 50'	+1.1	-3.9		1857.0		-39	+41	702769	2749796	
22	390		" " (- -)		5.8	88° 50'	+7.9	+2.1		1863.0		-268	+283	702540	2750038	
23	720		" " (- -)		6.0	88° 50'	+14.7	+8.7		1869.6		-495	+523	702313	2750278	
24	1050		" " (- -)		6.2	88° 50'	+21.4	+15.2		1876.1		-722	+762	702086	2750517	
25	1380		" " (- -)		8.2	88° 50'	+28.1	+19.9		1880.8		-949	+1002	701859	2750757	
26	1710		" " (- -)		13.1	88° 50'	+34.9	+21.8		1882.7		-1176	+1242	701632	2750997	

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
9.4.84		B. Cotcamp		R. Trowbridge		6834		B.C.L.		4		3			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Boundary -7'2"		WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (grips)						1860.9						
TP <sub>3</sub>	1784		136° 03' 13"		9.5	89°	+31.2	+21.7			TP	-1213	+1308	701596	2751065
TP <sub>3</sub>	1784		(132° 49' 29")		9.1	271°	+31.2	+22.1	+21.9	1882.8	TP	"	"		
TP <sub>2</sub>			0 00 00												
TP <sub>3</sub>	0				+5.05	hi		+5.1	1887.9		TP	0	0	701596	2751065
27	256		186° 00' (138° 49')		5.7	-		-5.7		1882.2		-193	+169	701403	2751234
28	585		183° 05' (135° 54')		6.6	-		-6.6		1881.3		-420	+407	701176	2751472
29	915		183° 55' (136° 44')		7.0	-		-7.0		1880.9		-666	+627	700930	2751692
TP <sub>4</sub>	1189		184° 40' 53"		7.0	-		-7.0			TP	-877	+803	700720	2751870
TP <sub>4</sub>	1189		(137° 30' 22")		6.7	-		-6.7	-6.8	1881.1	TP	"	"		
TP <sub>3</sub>			0 00 00												
TP <sub>4</sub>	0				+5.0	hi		+5.0	1886.1		TP	0	0	700720	2751870
30	65		213° 00' (170° 30')		6.0	-		-6.0		1880.1		-64	+11	700656	2751881
#1	282		194° 38' 46" (152° 09' 08")		6.3	-		-6.3		1879.8		-249	+132	700471	2752002
31	389		197° 00' (154° 30')		6.6	-		-6.6		1879.5		-351	+167	700369	2752037
32	718		198° 23' (155° 53')		8.9	-		-8.9		1877.2		-655	+293	700065	2752163
33	1046		201° 12' (158° 42')		12.6	-		-12.6		1873.5		-975	+380	699745	2752250
TP <sub>5</sub>	1258		200° 59' 23"		8.5	90° 20'	-7.3	-15.8			TP	-1170	+461	699551	2752333
TP <sub>5</sub>	1258		(158° 29' 45")		8.4	269° 40'	-7.3	-15.7		1870.4	TP	"	"		
TP <sub>4</sub>			0 00 00												
TP <sub>5</sub>	0				+5.2	hi		+5.2	1875.6		TP	0	0	699551	2752333

y = 700.470 x = 2752.000  
#1 T-intersect

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9.4.84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		4		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		SP.RIT-7 1/2		WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (9:10:5)						1875.6						
34	135		216° 40' (195° 10')		6.1	-	-6.1		1869.5	π	-130	-35	699,421	2752298	Boundary ↑ 7 1/2'
35	461		203° 55' (182° 25')		10.3	-	-10.3		1865.3		-461	-19	699,090	2752314	Spirit ↓ 7 1/2'
36	791		- - ( " " )		13.3	-	-13.3		1862.3		-790	-33	698,761	2752300	
37	1121		- - ( " " )		10.9	-	-10.9		1864.7		-1120	-47	698,431	2752286	
38	1451		- - ( " " )		7.9	-	-7.9		1867.7		-1450	-61	698,101	2752272	
39	1781		- - ( " " )		12.3	TH	+8.9	-3.4	1872.2		-1779	-75	697,772	2752258	
TP5	1947		203° 54' 28"		3.2	-	-3.2			TP	-1945	-82	697,607	2752253	
TP5	1947		(182° 24' 13")		2.5	270°	-2.5	-2.8	1872.8	TP					
TP4			0° 00' 00"												
TP5	0				+4.75	u.		+4.8	1877.6	π	0	0	697,607	2752253	
40	178		219° 10' (221° 34')		6.6	91°	-3.1	-9.7	1867.9		-133	-118	697,474	2752135	
41	507		221° 30' (223° 54')		8.0	91°	-8.8	-16.8	1860.8		-365	-352	697,242	2751901	
TP6	703		219° 05' 06"		7.4	91°	-12.3	-19.7		TP	-527	-466	697,081	2751789	
TP6	703		(221° 29' 19")		7.3	269°	-12.3	-19.6	1858.0	TP					
TP5			0° 00' 00"												
TP6	0				+5.15	u.		+5.2	1863.2	π	0	0	697,081	2751789	
42	130		152° 40' (194° 09')		9.0	89°	+2.3	-6.7	1856.5		-126	-32	696,955	2751757	
43	454		139° 07' (180° 36')		9.0	89°	+7.9	-1.1	1862.1		-454	-5	696,627	2751784	
44	782		138° 30' (179° 59')		9.4	88° 40'	+18.2	+8.8	1872.0		-782	±0	696,299	2751789	

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9.4.84		B. Cotcamp		R. Trowbridge		6834		B.C.		4		5				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
Washington		Spirit 25'		WASH.		Stevens								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
			PLATES → (9/105)						1863.2							
46	1423		147° 10' (188° 39')		5.0	88° 40'	+332.2	+28.2		1891.4		-1407	-214	695674	2751525	46 shot before 45
TP6	1618		148° 12' 12"		7.6	88° 40'	+327.7	+30.1			TP	-1594	-272	695488	2751519	
TP6	1618		(189° 41' 31")		7.5	271° 20'	+37.7	+30.2		1893.4	TP	+	+			
TP5			0 00 00													
TP6	0				+5.2	Hi		+5.2	1898.6		T	0	0	695488	2751519	
45	527		9° 00' (18° 42')		6.4	91° -	-9.2	-15.6		1883.0	+	+499	+169	695987	2751688	
47	133		185° 10' (194° 52')		5.7	-		-5.7		1892.9		-129	-34	695359	2751485	
SEC. COR.	54		271° 43' 52" (281° 25' 23")		4.8	96° 32'	-6.1	-10.9		1887.7		+11	-53	695499	2751466	695450 X = 2751420 section corner
48	461		175° 35' (185° 17')		9.7	-		-9.7		1888.9		-459	-42	695029	2751477	
49	789		172° 10' (181° 52')		11.3	-		-11.3		1887.3		-789	-26	694699	2751493	
50	1119		171° 05' (180° 42')		10.0	TH	+5.6	-4.4		1894.2		-1119	-14	694369	2751505	
51	1448		170° 16' 34"		4.9	89° 40'	+8.5	+3.6			TP	-1448	+1	694041	2751522	
51	1448		(179° 58' 05")		4.8	270° 20'	+8.5	+3.7		1902.3	TP	+	+			
TP6			0 00 00													
51	0				+5.15	Hi		+5.2	1907.5		T	0	0	694041	2751522	
52	330		177° 50' (177° 48')		6.6	90° 40'	-3.8	-10.4		1897.1		-330	+13	693711	2751535	
47	481		176° 33' 04" (176° 31' 09")		9.1	90° 40'	-5.6	-14.7		1892.8		-480	+29	693561	2751551	
53	660		177° 50' (177° 48')		12.3	90° 40'	-7.7	-20.0		1887.5		-660	+25	693381	2751547	
54	990		" " " "		13.5	90° 40'	-11.5	-25.0		1882.5		-989	+38	693052	2751560	
55	1319		177° 05' (177° 08')		4.8	91° -	-23.0	-27.8		1879.4		-1317	+68	692724	2751590	

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9.4.84		B. Cotcamp		R. Trowbridge		6834		B.C.K.		4		6			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH.		Spirit 25'		WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS / TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (92105)						1907.5						
TP <sub>1</sub>	1599		176° 41' 54"		9.5	90° 50'	-23.2	-32.7	32.5	1875.0	TP	-1596	+93	692446	2751617
TP <sub>2</sub>	1599		(176° 39' 59")		9.2	269° 10'	-23.2	-32.4		TP					
SI			0 00 00												
TP <sub>3</sub>	0				5.15	4i		+5.2	1880.2		π	0	0	692446	2751617
56	74		125° 20' (121° 00')		5.3	88°	+2.6	-2.7		1877.5			-39	+63	692467
57	394		152° 00' (148° 40')		8.6	89° 30'	+3.4	-5.2	1875.0			-337	+205	692109	2751822
58	723		151° 00' (147° 40')		12.0	TH	+3.6	-8.4	1871.8			-611	+387	691835	2752004
59	1053		150° 10' (146° 30')		9.2	-		-9.2	1871.0			-881	+576	691565	2752193
60	1383		149° 50' (146° 30')		9.6	TH	+6.9	-2.7	1877.5			-1153	+763	691293	2752380
IF	1320		149° 21' 40" (146° 01' 39")		10.8	TH	+6.6	-4.2	1876.0			-1095	+738	691351	2752355
61	1712		149° 35' (146° 15')		5.8	89° 40'	+10.0	+4.2	1884.4			-1423	+959	691023	2752568
62	2042		149° 14' (145° 54')		8.3	89° 26'	+20.3	+12.0	1892.2			-1691	+1145	690755	2752762
63	2372		149° 07' (145° 47')		6.0	89° 26'	+23.6	+17.6	1897.8			-1961	+1334	690485	2752951
TP <sub>8</sub>	2456		149° 00' 13"		10.0	89° 20'	+28.7	+18.7	1990		TP	-2028	+1385	690419	2753004
TP <sub>8</sub>	2456		(145° 40' 12")		9.5	270° 40'	+28.7	+19.2		1899.2	TP				
TP <sub>2</sub>			0 00 00												
TP <sub>8</sub>	0				5.2	4i		+5.2	1904.4		π	0	0	690419	2753004
Bm	82	80.6	134° 39' 44" (100° 19' 56")		0.0	79° 19' 04"	+15.2	+15.2		1919.6			-14	+79	690405
64	246		172° 50' (138° 30')		6.6	89° 40'	+1.4	-5.2	1899.2			-184	+163	690235	2753167
65	574		167° 40' (133° 20')		10.0	89° 40'	+3.3	-6.7	1897.7			-394	+418	690025	2753422

690,350 X - 2,753,125  
S.G.S. R-61 1930 E.C. 1919'

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.4.84		B. Cotcamp		R. Trowbridge		6834		B. Clark		4		7			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Spirit 7.5		WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → grids						1904.4						
66	904		166° 05' (131° 45')		8.2	-		-8.2		1896.2		-602	+674	689817	2753678
67	1231		166° 35' (132° 15')		8.0	-		-8.0		1896.4		-828	+911	689591	2753915
68	1556		169° 50' (135° 30')		5.0	-		-5.0		1899.4		-1110	+1091	689309	2754095
TP <sub>8</sub>	1975		173° 29' 03"		9.8	89° 44'	+9.3	-0.5		1904.1	TP	-1494	+1292	688926	2754298
TP <sub>9</sub>	1975		(139° 09' 15")		9.4	270° 16'	+9.3	-0.1	-0.3		TP	+1	+2		
TP <sub>8</sub>			0 00 00												
TP <sub>9</sub>	0				+ 5.15	H <sub>i</sub>		+5.1	1909.2		TP	○	○	688926	2754298
69	108		17° 50' (336° 59')		7.6	-		-7.6		1901.6		+99	-42	689025	2754256
70	224		200° 35' (159° 44')		6.4	88° 30'	+5.9	-0.5		1908.7		-210	+78	6889716	2754376
71	554		201° 15' (160° 24')		7.6	88° 30'	+14.5	+6.9		1916.1		-522	+186	6886404	2754484
TP <sub>8</sub>	690		200° 17' 37" (159° 26' 52")		8.1	88° 30'	+18.1	+10.0		1919.2		-646	+242	688280	2754340
72	884		201° 15' (160° 24')		9.2	88° 30'	+23.2	+14.0		1923.2		-833	+297	688093	2754595
73	1214		- - - (- - -)		11.2	88° 30'	+31.8	+20.6		1929.8		-1144	+407	687782	2754705
TP <sub>10</sub>	1370		201° 16' 39"		7.0	88° 50'	+27.9	+20.9			TP	-1291	+459	687635	2754759
TP <sub>10</sub>	1370		(160° 35' 54")		6.8	271° 10'	+27.9	+21.1	+21.0	1930.2	TP		+2		
TP <sub>9</sub>			0 00 00												
TP <sub>10</sub>	0				+ 5.2	H <sub>i</sub>		+5.2	1935.4		TP	○	○	687635	2754759
74	175		180° 00' (160° 26')		5.4	91° -	-3.1	-8.5		1926.9		-165	+59	687470	2754818
75	505		- - - (- - -)		10.7	91° -	-8.8	-19.5		1915.9		-476	+169	687159	2754928
76	835		- - - (- - -)		13.1	91° -	-14.6	-27.7		1907.7		-787	+280	686845	2755039

Y-688,296 E1.1914  
X-2,754,465

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-4-84		B. Cotcamp		R. Trowbridge		6834		B. C. C.		4		8			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH.		Spirit 7.5'		WASH.		STEVENS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1935.4						
77	1165		180° 00' (160° 26')		12.3	90° 30'	-10.1	-22.4		1913.0		-1098	+390	686537	2755149
78	1495		" " (~ ~)		11.1	90° 10'	-4.3	-15.4		1920.0		-1409	+501	686226	2755260
79	1826		179° 56' 33"		5.9	90° 10'	-5.2	-11.1	-11.0		TP	-1720	+613	685915	2755374
79	1826		(160° 22' 27")		5.6	269° 50'	-5.2	-10.8			1924.4	TP			
TP <sub>10</sub>			0 00 00												
79	0				+5.2	Hi		+5.2	1929.6		TP	0	0	685915	2755374
80	329		172° 40' (153° 02')		8.5	-		-8.5		1921.1		-293	+149	685622	2755523
81	658		169° 40' (150° 02')		11.8	-		-11.8		1917.8		-570	+329	685345	2755703
82	988		168° 48' (149° 10')		7.3	-		-7.3		1922.3		-848	+506	685067	2755880
83	1318		168° 30' (148° 52')		8.0	74	+6.6	-1.4		1928.2		-1128	+681	684787	2756053
84	1648		168° 15' (148° 37')		6.1	89° 46'	+6.8	+0.7		1930.3		-1407	+858	684508	2756232
TP <sub>11</sub>	1802		168° 12' 42"		10.7	89° 42'	+9.5	-1.2	-11		TP	-1538	+939	684377	2756315
TP <sub>11</sub>	1802		(148° 35' 09")		10.4	270° 18'	+9.5	-0.9			1928.5	TP			
79			0 00 00												
TP <sub>11</sub>	0				+5.2	Hi		+5.2	1933.7		TP	0	0	684377	2756315
85	175		186° 30' (155° 05')		5.8	-		-5.8		1927.9		-159	+74	684218	2756389
86	505		190° 10' (158° 45')		6.8	-		-6.8		1926.9		-471	+183	683906	2756498
87	833		188° 44' 58"		7.1	-		-7.1	-11		TP	-769	+321	683608	2756636
87	833		(157° 20' 07")		7.2	270° -		-7.2 <sup>x</sup>			1926.5	TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
9.5.84		B. Cotkamp		R. Trowbridge		6834		B.C.W.		4		9			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Spirit - 7 1/2'		WASH.		STEVENS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										1926.5					
TP <sub>11</sub>			0° 00' 00"												
87	0				+5.2	H <sub>i</sub>		+5.2	1931.7		X	0	0	6836082	2756638
88	195		153° 54' 10" (131° 14' 17")		5.7	-		-5.7		1926.0		-129	+147	6834779	2756785
88	328		153° 40' (131° 00')		7.0	-		-7.0		1924.7		-215	+248	6833933	2756886
89	656		150° 00' (127° 20')		7.7	-		-7.7		1924.0		-398	+522	683210	2757160
90	985		148° 50' (126° 10')		6.1	-		-6.1		1925.6		-581	+795	683027	2757432
91	1315		- - (- -)		4.5	-		-4.5		1927.2		-776	+1062	682832	2757700
TP <sub>12</sub>	1907		153° 16' 12"		10.6	89° 40'	+11.2	+0.6	+0.7		TP	-1241	+1448	682367	2758058
TP <sub>12</sub>	1907		(130° 36' 19")		10.3	270° 20'	+11.2	+0.9			1932.4	TP			
87			0° 00' 00"												
TP <sub>12</sub>	0				+5.15	H <sub>i</sub>		+5.1	1937.5		X	0	0	682367	2758058
92	278		15° 15' (325° 51')		8.4	-		-8.4		1929.1		+230	-156	682597	2757932
93	52		195° 30' (146° 06')		5.7	89° -	+0.9	-4.8		1932.7		-43	+29	682324	2758117
94	382		- - (- -)		6.7	89° -	+6.7	±0.0		1937.5		-317	+213	682050	2758301
95	711		194° 30' (145° 06')		5.3	89° -	+12.4	+7.1		1944.6		-583	+407	681784	2758495
TP <sub>13</sub>	921		191° 32' 27"		4.9	89° -	+16.1	+11.2	X	1948.7	TP	-727	+565	681640	2758655
TP <sub>13</sub>	921		(142° 08' 46")		4.8	271° -	+16.1	+11.3				TP			
TP <sub>12</sub>			0° 00' 00"												
TP <sub>13</sub>	0				+5.2	H <sub>i</sub>		+5.2	1953.9		X	0	0	681640	2758655
96	116		157° 40' (119° 49')		5.0	89° -	+2.0	-3.0		1950.9		-58	+101	681582	2758756

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-5-84		B. Cotcamp		R. Trowbridge		6834		RT		4		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH.		Spirit - 7 1/2'		WASH.		Stevens								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
			PLATES → (9110s)						1953.9						
97	445		154° 00' (116° 09')		10.9	88°	+15.5	+4.6		1958.5		-196	+399	681,444	2759,054
TP <sub>14</sub>	563		150° 21' 30"		8.2	88° 30'	+14.7	+6.5		1960.4	TP	-215	+520	681,425	2759,176
TP <sub>14</sub>	563		(112° 30' 16")		8.2	271° 30'	+14.7	+6.5			TP		"		
TP <sub>13</sub>			0 00 00												
TP <sub>14</sub>	0				+5.2	Hi		+5.2	1965.6		TP	0	0	681,425	2759,176
98	208		157° 35' (90° 05')		6.3	89° 20'	+2.4	-3.9		1961.7		= 0	+208	681,425	2759,384
99	535		150° 59' 49"		8.8	-		-8.8*		1956.8	TP	+61	+532	681,486	2759,708
99			(83° 30' 05")		8.7	270°		-8.7			TP				
TP <sub>14</sub>			0 00 00												
99	0				+5.25	Hi		+5.2	1962.0		TP	0	0	681,486	2759,708
100	329		158° 58' (62° 28')		6.9	91° 20'	-7.7	-14.6		1947.4		+152	+292	681,636	2760,000
101	658		155° 10' (58° 40')		9.0	91° 40'	-19.1	-28.1		1933.9		+342	+562	681,828	2760,270
102	988		154° 10' (57° 40')		10.1	91° 40'	-28.7	-38.8		1923.2		+528	+835	682,014	2760,543
103	1318		153° 40' (57° 10')		5.0	91° 40'	-38.3	-43.3		1918.7		+715	+1107	682,201	2760,815
104	1648		153° 30' (57° 00')		12.8	91° -	-28.7	-41.5		1920.5		+898	+1382	682,384	2761,090
105	1978		- - ( - )		12.9	90° 30'	-17.2	-30.1		1931.9		+1077	+1659	682,563	2761,367
106	2307		153° 56' (57° 26')		7.2	90° 20'	-13.3	-20.5		1941.5		+1242	+1944	682,728	2761,652
TP <sub>15</sub>	2360		153° 39' 06"		5.1	90° 20'	-13.6	-18.7		1943.3	TP	+1280	+1983	682,766	2761,691
TP <sub>15</sub>	2360		(57° 09' 11")		5.0	269° 40'	-13.6	-18.6			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
9.5.84		B. Cotcamp		R. Trowbridge		6834		B.C. Co		4		11			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		SPIRIT - 7 1/2		WASH.		STEVENS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
99			0 00 00							1943.3					
TP5	0				+5.2 Hi			+5.2	1948.5		π	0	0	682,766 276,691	
107	287		212° 16' (89° 25')		6.3 <sup>7.5</sup> B.C.	-		-7.5		1941.0		+3	+287	682,769 276,978	
107	37		357° 08' 35" (234° 17' 46")		6.3	-		-6.3		1942.2	1F	-22	-30	682,744 276,661 1F T-Intersect 1945	
108	617		213° 00' (90° 09')		10.2	-		-10.2		1938.3		-2	+617	682,764 276,308	
109	947		213° 25' (90° 34')		10.9	-		-10.9		1937.6		-9	+947	682,757 276,238	
110	1277		212° 50' (89° 59')		13.2	-		-13.2		1935.3		+0	+1277	682,766 276,268	
111	1602		210° 39' (89° 48')		11.2	90° 10'	-4.6	-15.8		1932.7		+62	+1601	682,828 276,292	
111	1709		209° 23' 20" (86° 32' 31")		11.9	90° 10'	-4.9	-16.8		1931.7		+123	+1706	682,869 276,397 1F T-Intersect	
112	1927		208° 25' (85° 34')		13.2	90° 10'	-5.5	-18.7		1929.8		+149	+1921	682,915 276,612	
113	2254		207° 58' (85° 07')		12.6	90° 10'	-6.5	-19.1		1929.4		+192	+2246	682,958 276,397	
114	2584		" " (" ")		12.3	-		-12.3		1936.2		+220	+2575	682,986 276,426	
115	2914		" " (" ")		4.0	-		-4.0		1944.5		+248	+2903	683,014 276,594	
116	3244		" " (" ")		5.2	89° 50'	+9.7	+4.5		1953.0		+276	+3232	683,042 276,423	
117	3574		207° 48' (84° 57')		6.7	89° 40'	+21.1	+14.4		1962.9		+315	+3560	683,081 276,253	
TP6	3641		207° 40' 12"		5.5	89° 40'	+21.5	+16.0			TP	+329	+3626	683,095 276,317	
TP6	3641		(84° 19' 23")		4.8	270° 20'	+21.5	+16.7	+16.3	1964.8	TP				
TP5			0 00 00												
TP6	0				+5.2 Hi			+5.2	1970.0		π	0	0	683,095 276,317	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-5-84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		12			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Spirit - 7 1/2'		Wash.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									1970.0						
118	263		172° 10' (76° 59')		4.9	89°	+4.6	-0.3		1969.7		+59	+256	683154	2765573
119	593		~ " (~)		7.1	89°	+10.4	+3.3		1973.3		+134	+578	683229	2765895
120	923		~ " (~)		12.0	89° 20'	+10.8	-1.2		1968.8		+208	+899	683303	2766216
TP <sub>11</sub>	1856		193° 24' 29"		11.7	90° 40'	-21.5	-33.2	-33.1	1936.9	TP	-266	+1837	682829	2765154
TP <sub>12</sub>	1856		(98° 13' 52") <sub>u</sub>		11.4	209° 20'	-21.5	-32.9			TP				
TP <sub>16</sub>			0 00 00												
TP <sub>17</sub>	0				+5.2	41'		+5.2	1942.1		π	0	0	682829	2765154
121	768		29° 15' (307° 29')		6.5	89°	+13.4	+6.9			1949.0		+467	-609	683296
IF	690		36° 18' 12" (314° 32' 04")		10.2	89°	+12.1	+1.9		1944.0	IF	+484	-492	683313	2766602
122	450		35° 25' (313° 39')		8.0	TH	+2.3	-5.8		1936.3		+311	-326	683140	2766828
123	120		~ " (~)		5.9	-		-5.9		1936.2		+83	-87	682910	2765067
124	209		216° 15' (134° 29')		5.7	89° 40'	+1.2	-4.5		1937.6		-146	+149	682683	2765303
125	539		~ " (~)		4.8	89° 40'	+3.1	-1.7		1940.4		-378	+385	682451	2765539
#1	574		215° 20' 11" (133° 34' 03")		4.8	89° 36'	+4.0	-0.8		1941.3	#1	-396	+416	682433	2765570
126	629		189° 00' (107° 14')		6.8	89° 10'	+9.2	+2.4		1944.5		-186	+601	682643	2765755
TP <sub>18</sub>	871		169° 14' 29"		4.1	89°	+15.2	+11.1	-33.1	1953.2	TP	+38	+870	682867	2766024
TP <sub>18</sub>	871		(87° 28' 21")		1.6	89° 10'	+12.7	+11.1			TP				

4-683,300 x-2,766,810  
y-Intersect

5-682,460 x-2,767,570  
#1 T-Intersect

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.5.84		B. Cotcamp		R. Trowbridge		6834		B. P. W.		4		B			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		SPIRIT 7 1/2		WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP17			0° 00' 00"							1953.2					
TP18	0				+4.515			+5.1	1958.3		X	0	0	682867	2768924
127	28		292° 30' (199° 58')		6.0	91°	-0.5	-6.5		1951.8		-26	-10	682841	2768014
128	313		167° 55' (75° 23')		8.8	88° 20'	+9.1	+0.3		1958.6		+79	+303	682946	2768337
129	643		168° 28' (75° 56')		8.1	88° 50'	+13.1	+5.0		1963.3		+156	+624	683023	2768476
TP19	906		168° 05' 49"		5.0	88° 40'	+21.1	+16.1			TP	+226	+877	683093	2768901
TP19	906		(75° 34' 10")		7.7	88° 30'	+23.7	+16.08		1974.3	TP				
TP18			0° 00' 00"												
TP19	0				+4.95	Mi		+4.9	1979.2		X	0	0	683093	2768901
130	90		258° 25' (133° 59')		6.7	83°	+11.0	+4.3		1983.5		-63	+65	683030	2768966
131	417		236° 30' (132° 04')		8.7	83°	+50.8	+42.1		2021.3		-279	+310	682814	2769211
TP20	512	508.7	235° 16' 46"		5.7	83° 30'	+58.0	+52.3		2031.5	TP	-333	+385	682760	2769286
TP20	512		(130° 50' 56")		4.2	83° 40'	+56.5	+52.3			TP				
TP19			0° 00' 00"												
TP20	0				+5.1	Mi		+5.1	2036.6		X	0	0	682760	2769286
#1	45		152° 12' 12" (103° 03' 08")		4.8	84° 22'	+4.4	-0.4		2036.2		-10	+44	682750	2769330
132	236		163° 50' (114° 41')		6.3	85°	+20.6	+14.3		2050.9		-99	+214	682661	2769500
133	566		162° 45' (113° 36')		6.1	85° 20'	+44.4	+38.3		2074.9		-227	+519	682533	2769805
TP21	738	736.0	162° 21' 58"		6.8	85° 50'	+53.6	+46.8		2083.4	TP	-290	+676	682470	2769962
TP21	738		(113° 12' 54")		4.7	86°	+51.5	+46.8			TP				

Y-682,750 X-2,769,330  
 T-Intersect Horiz  
 Cont. 9-13  
 X-443

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.5.84		B. Cotcamp		R. TROWBRIDGE		6834		R.T.		4		14			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		SPIRIT-7 1/2'		WASH.		STEVENS								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (grips)							2083.4					
TP <sub>20</sub>			0° 00' 00"												
TP <sub>21</sub>	0				+ 5.1	Hi		+ 5.1	2088.5		X	0	0	682,470 277,996.2	
134	159		163° 40' (96° 53')		5.9	88° -	+ 5.5	- 0.4		2088.1		- 19	+ 158	682,451 277,912.0	
135	486		156° 55' 17"		3.9	88° -	+ 17.0	+ 13.1		2101.6	TP	- 1	+ 486	682,469 277,948	
135	486		(90° 08' 11")		2.5	88° 10'	+ 15.6	+ 13.1			TP				
TP <sub>21</sub>			0° 00' 00"												
135	0				+ 5.15	Hi		+ 5.1	2106.7		X	0	0	682,469 277,948	
136	325		180° 16' (90° 18')		5.5	86° -	+ 22.7	+ 17.2		2123.2		- 2	+ 325	682,467 277,977	
137	654		183° 20' (93° 28')		4.0	85° -	+ 57.0	+ 53.0		2159.7		- 40	+ 653	682,429 277,101	
TP <sub>22</sub>	845	841.3	81° 50' 43"		7.0	84° 40'	+ 78.6	+ 71.6		2178.3	TP	- 29	+ 841	682,440 277,289	
TP <sub>22</sub>	845		(91° 58' 54")		4.5	84° 50'	+ 76.1	+ 71.6			TP				
135			0° 00' 00"												
TP <sub>22</sub>	0				+ 5.2	Hi		+ 5.2	2183.5		X	0	0	682,440 277,289	
138	138		175° 35' (87° 34')		5.3	86° 30'	+ 8.4	+ 3.1		2186.6		+ 6	+ 138	682,446 277,427	
TP <sub>23</sub>	428		171° 16' 31"		3.7	87° 30'	+ 18.7	+ 15.0		2198.5	TP	+ 50	+ 425	682,490 277,714	
TP <sub>23</sub>	428		(83° 15' 25")		2.4	87° 40'	+ 17.4	+ 15.0			TP				
TP <sub>22</sub>			0° 00' 00"												
TP <sub>23</sub>	0				+ 4.85	Hi		+ 4.8	2203.3		X	0	0	682,496 277,714	
139	55		227° 55' (131° 10')		6.6	86° 30'	+ 3.4	- 3.3		2200.0		- 36	+ 41	682,454 277,155	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.5.84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Spirit - 7 1/2'		WASH.		Stevens						4		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
									2203.3						
#	215	214.3	195° 59' 01" (99° 14' 26")		7.2	85° 30'	+16.9	+9.7		2213.0		-34	+212	682,456	2771926 # section line
140	376		198° 20' (101° 35')		6.1	85° 30'	+29.5	+23.4		2226.7		-76	+368	682,414	2772082
141	704		196° 45' (100° 00')		7.9	84° 50'	+63.4	+55.5		2258.8		-122	+693	682,368	2772407
TP <sub>24</sub>	772	769.1	196° 52' 23"		4.7	85° -	+67.3	+62.6		2265.9	TP	-135	+757	682,355	2772471
TP <sub>24</sub>	772		(100° 07' 48")		2.5	85° 10'	+65.1	+62.6			TP				
TP <sub>23</sub>			0 00 00												
TP <sub>24</sub>	0				+5.2	H.		+5.2	2271.1		X	0	0	682,355	2772471
142	262		190° 35' (110° 43')		5.6	83° -	+31.9	+26.3		2297.4		-93	+245	682,262	2772716 Spirit - 7 1/2' T
TP <sub>25</sub>	424	420.8	187° 05' 54"		4.0	83° -	+51.7	+47.7			TP	-125	+402	682,236	2772873 Deep Lake - 7 1/2' v
TP <sub>25</sub>	424		(107° 13' 42")		11.4	82° -	+59.0	+47.6		2318.7	TP				
TP <sub>24</sub>			0 00 00												
TP <sub>25</sub>	0				+5.15	H.		+5.1	2323.8		X	0	0	682,230	2772873
143	162		158° 55' (86° 09')		6.5	82° -	+22.5	+16.0		2339.8		+11	+162	682,241	2773032
TP <sub>26</sub>	324	321.1	161° 33' 55"		5.8	82° 20'	+43.2	+37.4			TP	+7	+321	682,237	2773194
TP <sub>26</sub>	324		(88° 47' 37")		4.9	82° 30'	+42.3	+37.4		2361.2	TP				
TP <sub>25</sub>			0 00 00												
TP <sub>26</sub>	0				+5.1	H.		+5.1	2366.3		X	0	0	682,237	2773194
144	164		202° 40' (111° 28')		5.7	83° 30'	+18.6	+12.9		2379.2		-60	+153	682,177	2773347
TP <sub>27</sub>	582	578.1	200° 03' 00"		6.5	83° 20'	+67.6	+61.1		2422.4	TP	-187	+547	682,050	2773741
TP <sub>27</sub>	582		(108° 50' 37")		7.5	83° 14'	+68.6	+61.1			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

H.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO		PAGE			
9.5.84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Deep Lake - 7 1/2'		WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			0° 00' 00"							2427.4					
TP26			0° 00' 00"												
TP21	0				+5.15	Hi		+5.1	2432.5		T	0	0	682.050	2773741
145	93		349° 30' (278° 21')		4.8	95° -	-8.1	-12.9		2419.6		+14	-92	682.064	2773649
146	225		84° 129° 07' (57° 58')		6.0	84° -	+23.5	+17.5		2450.0	R	+119	+191	682.169	2773932
TP28	279	277.5	134° 19' 56"		2.5	84° -	+29.2	+26.7		2459.2	TP	+125	+248	682.175	2773989
TP28	279		(62° 10' 33")		1.7	84° 10'	+28.4	+26.7			TP				
TP27			0° 00' 00"												
TP28	0				+5.2	Hi		+5.2	2464.4		T	0	0	682.175	2773989
TP29	257	255.6	261° 58' 47"		5.9	84° -	+26.9	+21.0		2485.4	TP	-210	+146	681.965	2774135
TP29	257		(145° 09' 20")		5.8	276° -	+26.9	+21.1			TP				
TP28			0° 00' 00"												
TP29	0				+4.9	Hi		+4.9	2490.3		T	0	0	681.965	2774135
147	12		142° 00' (107° 09')		4.8	87° 36'	+0.5	-4.3		2486.0		-4	+11	681.961	2774146
148	322		109° 30' (74° 39')		5.6	84° 40'	+29.9	+24.3		2514.6		+85	+311	682.050	2774446
TP30	350	348.5	109° 32' 40"		5.2	84° 40'	+32.5	+27.3		2517.6	TP	+92	+336	682.057	2774471
TP30	350		(74° 41' 20")		5.1	275° 20'	+32.5	+27.4			TP				
TP29			0° 00' 00"												
TP30	0				+5.05	Hi		+5.0	2522.6		T	0	0	682.057	2774471
149	295		219° 40' (114° 22')		7.8	84° -	+30.8	+23.0		2545.6		-122	+269	681.935	2774740

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.5.84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		17			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON				WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (grids)						2522.6						
TP <sub>31</sub>	536	534.0	224° 52' 47"		5.2	85° -	+46.7	+41.5		2564.1	TP	-264	+464	681,793	2,774,935
TP <sub>31</sub>	536		(119° 34' 47")		3.7	85° 10'	+45.2	+41.5			TP				
TP <sub>30</sub>			0 00 00												
TP <sub>31</sub>	0				+4.8	Hi		+4.8	2568.9		TP	0	0	681,793	2,774,935
150	77		158° 00' (97° 35')		5.6	85° -	+6.7	+1.1		2570.0		-10	+76	681,783	2,775,011
TP <sub>32</sub>	220	219.2	156° 49' 16"		2.3	85° -	+19.2	+16.9			TP	-25	+218	681,768	2,775,153
TP <sub>32</sub>	220		(96° 24' 03")		1.7	85° 10'	+18.5	+16.8		2585.7	TP				
TP <sub>31</sub>			0 00 00												
TP <sub>32</sub>	0				+5.15	Hi		+5.1	2590.8		TP	0	0	681,768	2,775,153
151	154		150° 15' (66° 39')		4.8	85° -	+13.4	+8.6		2599.4		+61	+141	681,829	2,775,294
TP <sub>33</sub>	305		150° 35' 48"		6.1	86° 20'	+19.5	+13.4		2604.2	TP	+119	+280	681,887	2,775,433
TP <sub>33</sub>	305		(66° 59' 51")		5.2	86° 30'	+18.6	+13.4			TP				
TP <sub>32</sub>			0 00 00												
TP <sub>33</sub>	0				+5.05	Hi		+5.0	2609.2		TP	0	0	681,887	2,775,433
152	205		240° 45' (127° 45')		6.6	88° 30'	+5.4	-1.2		2608.0		-126	+162	681,761	2,775,595
TP <sub>34</sub>	365		240° 29' 04"		7.2	88° 30'	+9.6	+2.4		2611.6	TP	-222	+290	681,665	2,775,723
TP <sub>34</sub>	365		(127° 28' 55")		6.1	88° 40'	+8.5	+2.4			TP				
TP <sub>33</sub>			0 00 00												
TP <sub>34</sub>	0				+5.1	Hi		+5.1	2616.2		TP	0	0	681,665	2,775,723

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.5.84		B. Cotcamp		R. Trowbridge		6834		RTI		4		18			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington				WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									2616.7						
153	164		160° 54' 34"		5.4	88°	+5.7	+0.3		2617.0	TP	-52	+156	681,613	2775879
153	164		(108° 23' 29")		4.9	88° 10'	+5.2	+0.3			TP				
TP34			0 00 00												
153	0				+5.1	Hi		+5.1	2622.1		TP	0	0	681,613	2775879
154	325		192° 10' 49"		4.7	TH	+1.6	-3.1		2619.0	TP	-165	+280	681,448	2776159
154	325		(120° 34' 18")		3.1	-		-3.1			TP				
153			0 00 00												
154	0				+5.15	Hi		+5.1	2624.1		TP	0	0	681,448	2776159
155	326		176° 02' 58"		5.8	88° 40'	+7.6	+1.8		2625.9	TP	-146	+291	681,302	2776450
155	326		(116° 37' 16")		4.8	88° 50'	+6.6	+1.8			TP				
154			0 00 00												
155	0				+5.2	Hi		+5.2	2631.1		TP	0	0	681,302	2776450
TP35	220		194° 37' 04"		0.7	88°	+7.7	+7.0		2638.1	TP	-145	+165	681,157	2776615
TP35	220		(131° 14' 20")		4.5	87°	+11.5	+7.0			TP				
155			0 00 00												
TP35	0				+5.05	Hi		+5.0	2643.1		TP	0	0	681,157	2776615
156	96		167° 45' (118° 59")		5.8	85° 40'	+7.3	+1.5		2644.6		-47	+84	681,110	2776699
TP36	328		154° 50' 34"		4.8	88°	+11.4	+6.6		2649.7	TP	-91	+315	681,066	2776930
TP36	328		(106° 04' 54")		3.8	88° 10'	+10.5	+6.7			TP				



SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-6-84		B. Cotcamp		R. Trowbridge		6834		B.C.		4		20			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Deep Lake - 7 1/2'		WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP <sub>38</sub>			0° 00' 00"							2711.8					
162	0				+5.15	Hi		+5.1	2716.9		T	0	0	680,179	2778,375
TP <sub>39</sub>	586	583.8	163° 56' 35"		4.6	85° 36'	+46.0	+41.4	}	2758.3	TP	-20	+584	680,159	2778,59
TP <sub>39</sub>	586		(92° 00' 34")		6.3	85° 20'	+47.7	+41.4		TP					
TP <sub>162</sub>			0° 00' 00"												
TP <sub>39</sub>	0				+4.9	Hi		+4.9	2763.2		T	0	0	680,159	2778,59
163	265		6° 00' (278° 01')		4.5	95°	-23.1	-27.6		2735.6		+37	-262	680,196	2778,197
164	76		232° 40' (144° 41')		5.0	85°	+6.6	+1.6		2764.8		-62	+44	680,097	2779,003
165	404		240° 40' (152° 41')		7.9	85°	+35.2	+27.3		2790.5		-359	+185	679,800	2779,144
TP <sub>40</sub>	445	443.5	239° 54' 35"		5.9	85° 20'	+36.2	+30.3	}	2793.5	TP	-391	+209	679,768	2779,168
TP <sub>40</sub>	445		(151° 55' 09")		4.6	85° 30'	+34.9	+30.3		TP					
TP <sub>39</sub>			0° 00' 00"												
TP <sub>40</sub>	0				+5.2	Hi		+5.2	2798.7		T	0	0	679,768	2779,168
166	272		163° 55' (135° 50')		4.8	84° 24'	+26.5	+21.7		2820.4		-195	+190	679,573	2779,358
TP <sub>41</sub>	357		168° 00' 23"		5.1	85° 20'	+29.0	+23.9	}	2822.6	TP	-272	+229	679,496	2779,397
TP <sub>41</sub>	357	355.8	(139° 55' 32")		6.2	85° 10'	+30.1	+23.9		TP					
TP <sub>40</sub>			0° 00' 00"												
TP <sub>41</sub>	0				+5.15	Hi		+5.1	2827.7		T	0	0	679,496	2779,397
167	232		181° 25' (141° 21')		4.8	91°	-4.0	-8.8		2818.9		-181	+145	679,315	2779,542

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
9.6.84		B. Cotcamp		R. Trowbridge		6834		B.C.W		4		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		DEEPLAKE-7 1/2'		WASH.		Stevens								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
									2827.7						
TP42	351		181° 45' 12"		4.1	90° 30'	-3.1	-7.2	}	2820.5	TP	-275	+218	679,221	2,779,615
TP42	351		(141° 40' 44")		4.0	269° 30'	-3.1	-7.1		TP					
TP41			0° 00' 00"												
TP42	0				+5.15	H.		+5.1	}	2825.6	TP	0	0	679,221	2,779,615
168	212		160° 30' (122° 11')		4.3	TH	+1.1	-3.2		2822.4			-113	+179	679,108
#	172		158° 20' 05" (120° 00' 49")		4.9	-		-4.9	2820.7			-86	+149	679,135	2,779,764
169	537		157° 20' (119° 01')		8.0	87° 30'	+23.4	+15.4	2841.0			-260	+470	678,961	2,780,085
#	574		156° 27' 54" (118° 08' 38")		7.9	87° 30'	+25.0	+17.1	2842.7			-270	+506	678,951	2,780,121
170	867		157° 48' (119° 29')		5.4	87° 20'	+40.4	+35.0	2860.6			-427	+755	678,794	2,780,370
TP43	1023	1022.0	156° 49' 54"		8.1	87° 30'	+44.6	+36.5	}	2862.1	TP	-488	+898	678,733	2,780,513
TP43	1023		(118° 30' 38")		8.0	272° 30'	+44.6	+36.6		TP					
TP42			0° 00' 00"												
TP43	0				+4.95	H.		+4.9	}	2867.0	TP	0	0	678,733	2,780,513
171	178		195° 00' (133° 31')		5.4	88° -	+6.2	+0.8		2867.8			-123	+129	678,610
172	508		196° 00' (134° 31')		7.2	87° -	+26.6	+19.4	2886.4			-356	+362	678,377	2,780,875
TP44	942		195° 37' 04"		2.5	87° -	+49.3	+46.8	}	2913.8	TP	-655	+675	678,078	2,781,188
TP44	942		(134° 57' 42")		2.4	273° -	+49.3	+46.9		TP					
TP43			0° 00' 00"												
TP44	0				+4.9	H.		+4.9	}	2918.7	TP	0	0	678,078	2,781,188
173	107		348° 15' (302° 23')		8.8	92° -	-3.7	-12.5		2906.2			+57	-90	678,135



SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.6.84		B. Cotcamp		R. Trowbridge		6834		B.C.		4		23			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Deep Lake - 1/2		WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									2953.3						
179	456		185° 00' 04"		8.3	91° 30'	-11.9	-20.2		2933.1	TP	-400	+218	676,710	2782,397
179	456		(151° 26' 45")		7.0	91° 46'	-13.3	-20.3			TP				
TP			0 00 00												
179	0				+5.15	Mi		+5.2	2938.3		π	0	0	676,710	2782,397
#1	148		169° 22' 58" (140° 19' 43")		5.7	-		-5.7		2932.6		-115	+93	676,595	2782,490
															4-676,595 x 2782,500 #1 - intersect
180	330		170° 50' (142° 17')		9.9	-		-9.9		2928.4		-261	+202	676,449	2782,599
#	430		170° 06' 40" (141° 33' 25")		10.4	-		-10.4		2927.9		-337	+267	676,323	2782,664
															4-676,450 x 2782,615 # section line
181	660		171° 30' (142° 57')		9.1	-		-9.1		2929.2		-527	+398	676,183	2782,795
182	989		170° 50' (142° 17')		7.5	TH	+4.9	-2.6		2935.7		-782	+605	675,928	2783,002
#	1115		170° 35' 28" (142° 02')		5.9	TH	+5.6	-0.3		2938.0		-879	+686	675,831	2783,083
															Crk X-ing Y-675,890 E1.2938 X-2782,910
183	1318		170° 50' 45"		6.8	89° 30'	+11.5	+4.7			TP	-1043	+806	675,649	2783,203
183	1318		(142° 17' 30")		6.7	270° 30'	+11.5	+4.8		2943.1	TP				
179			0 00 00												
183	0				+5.1	Mi		+5.1	2948.2		π	0	0	675,669	2783,203
#1	118		175° 38' (137° 56')		5.3	89° 40'	+0.7	-4.6		2943.6		-88	+79	675,579	2783,282
															4-675,500 Int. X-2783,305
184	330		180° 16' (142° 34')		8.8	89° 40'	+1.9	-6.9		2941.3		-262	+201	675,405	2783,404
185	658		183° 10' (145° 28')		6.7	89° 40'	+3.8	-2.9		2945.3		-542	+373	675,125	2783,576
186	986		185° 23' (147° 41')		6.4	89° 20'	+11.5	+5.1		2953.3		-833	+527	674,834	2783,730
187	1315		186° 28' (148° 46')		6.1	89° 10'	+19.2	+13.1		2961.3		-1124	+682	674,543	2783,885
188	1644		187° 32' (149° 50')		8.8	89° -	+28.7	+19.9		2968.1		-1421	+826	674,246	2784,029

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.6.84		B. Cotcamp		R. Trowbridge		6834		B.C. K		4		24			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Deep Lake - 7 1/2'		WASH.		Stevens								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
			plates → (grids)						2948.2						
189	1973		188° 12' 18"		5.0	89° -	+34.5	+29.5		2977.9	TP	-1717	+972	673950	2784175
189	1973		(150° 29' 48")		4.7	271° -	+34.5	+29.8	+21.8		TP				
183			0° 00' 00"												
189	0				+5.2	Mi		+5.2		2983.1	T	0	0	673950	2784175
190	330		179° 40' (150° 10')		5.0	-		-5.0		2978.1		-286	+164	673,664	2784339
191	660		180° 15' (150° 45')		9.0	-		-9.0		2974.1		-576	+322	673,374	2784497
192	988		179° 13' 47"		9.0	-		-9.0			TP	-853	+498	673,097	2784673
192	988		(149° 43' 35")		8.9	270° -		-8.9		2974.2	TP				
189			0° 00' 00"												
192	0				+4.9	Mi		+4.9		2979.1	T	0	0	673,097	2784673
193	328		170° 10' (139° 54')		9.1	89° -	+5.7	-3.4		2975.7		-251	+211	672,846	2784884
194	658		168° 55' (138° 39')		11.5	89° -	+11.5	±0.0		2979.1		-494	+435	672,603	2785108
19	796		168° 39' 05" (138° 22' 40")		6.7	89° -	+13.9	+7.2		2986.3		-595	+529	672,562	2785202
TP <sub>48</sub>	855		169° 21' 44"		3.8	89° -	+14.9	+11.1			TP	-646	+560	672,451	2785233
TP <sub>48</sub>	855		(139° 05' 19")		1.3	89° 10'	+12.5	+11.2		2990.3	TP				
192			0° 00' 00"												
TP <sub>48</sub>	0				+5.25	Mi		+5.3		2995.6	T	0	0	672,451	2785233
195	132		200° 20' (159° 20')		5.3	86° -	+9.2	+3.9		2999.5		-124	+47	672,327	2785280
TP <sub>49</sub>	306	305.3	198° 27' 12"		4.7	86° -	+21.3	+16.6			TP	-282	+117	672,169	2785350
TP <sub>49</sub>	306		(157° 26' 46")		3.8	86° 10'	+20.5	+16.7		3012.3	TP				

SUNSHOT TAKEN @ 11:55  
 SETUP  
 SNEEVED GRID - 139° 05' 19"  
 SUNSHOT GRID - 138° 59' 34"  
 CORRECTED → 5' 45"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.7.84		B. Cotcamp		R. TROWBRIDGE		6834		B.C.C.		4		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Deep Lake - 7 1/2		WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (grades)												
TP48			0 00 00							3012.3					
TP49	0				+ 5.05	M.		+ 5.1	3017.4		π	0	0	672.169	2785350
196	150		166° 25' (143° 52')		5.8	87°	+ 7.9	+ 2.1		3019.5		-121	+ 88	672.048	2785438
TP50	436		166° 00' 52"		4.8	87°	+ 22.8	+ 18.0		3035.4	TP	-350	+ 259	671.819	2785609
TP50	436		(143° 27' 38")		6.1	86° 50'	+ 24.1	+ 18.0			TP				
TP49			0 00 00												
TP50	0				+ 5.1	M.		+ 5.1	3040.5		π	0	0	671.819	2785609
Sec. line	174		1° 18' 40" (324° 46' 18")		7.7	92°	- 6.1	- 13.8		3026.7		+ 142	- 100	671.961	2785509
197	35		179° 00' (142° 28')		6.0	86° 30'	+ 2.1	- 3.9		3036.6		- 28	+ 21	671.791	2785630
198	362	361.3	162° 20' (125° 48')		7.2	86° 30'	+ 22.1	+ 14.9		3055.4		- 212	+ 294	671.607	2785903
199	692	690.7	162° 45' (126° 13')		7.5	86° 30'	+ 42.3	+ 34.8		3075.3		- 409	+ 558	671.410	2786167
TP51	927	925.3	162° 13' 26"		6.8	86° 30'	+ 52.6	+ 49.8			TP	- 540	+ 752	671.279	2786361
TP51	927		(125° 41' 04")		6.7	273° 30'	+ 52.6	+ 49.9		3090.4	TP				
TP50			0 00 00												
TP51	0				+ 5.25	M.		+ 5.3	3095.7		π	0	0	671.279	2786361
200	93		178° 45' (124° 26')		5.1	89°	+ 1.6	- 3.5		3092.2		- 53	+ 77	671.226	2786438
201	422		" " ( " )		6.2	88° 40'	+ 9.8	+ 3.6		3099.3		- 239	+ 348	671.040	2786709
F	644		179° 12' 32" (124° 53' 36")		4.8	88° 46'	+ 13.9	+ 9.1		3104.8	π	- 368	+ 528	670.911	2786889
TP52	661		178° 58' 43"		5.7	88° 40'	+ 15.7	+ 9.7		3105.4	TP	- 376	+ 544	670.903	2786905
TP52	661		(124° 39' 47")		3.8	88° 50'	+ 13.5	+ 9.7			TP				

← 670,935 x - 2786,80  
← Boundary line

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.7.84		B. Cotcamp		R. TROW BRIDGE		6834		B.C.P.		4		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Deep LAKE - 1/2'		WASH.		Stevens								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP <sub>51</sub>			Plates → (grips) 0 00 00							3105.4					
TP <sub>52</sub>	0				+5.1	Mi		+5.1	3110.5		T	0	0	670,903	2786905
202	103		230° 00' (174° 40')		7.6	91° 20'	-2.4	-10.0		3100.5		-103	+10	670,800	2786915
203	433		231° 24' (176° 04')		8.9	91° 20'	-10.1	-19.0		3091.5		-432	+30	670,471	2786935
TP <sub>53</sub> <sup>204</sup>	763		229° 57' 05"		7.3	91°	-13.3	-20.6		3089.9	TP	-760	+72	670,143	2786977
TP <sub>53</sub> <sup>204</sup>	763		(174° 36' 52")		5.1	91° 10'	-15.5	-20.6			TP				
TP <sub>52</sub>			0 00 00												
204	0				+5.15	Mi		+5.2	3095.1		T	0	0	670,143	2786977
205	330		164° 05' (158° 42')		6.1	-		-6.1		3089.0		-307	+120	669,836	2787097
206	660		161° 15' 24"		7.9	-		-7.9			TP	-602	+270	669,541	2787247
206	660		(155° 52' 16")		7.8	270° -		-7.8		3087.3	TP				
204			0 00 00												
206	0				+5.1	Mi		+5.1	3092.4		T	0	0	669,541	2787247
207	330		157° 50' (133° 42')		5.8	85° 30'	+25.9	+20.1		3112.5		-228	+239	669,313	2787486
208	656		163° 05' (138° 51')		6.0	86° 10'	+43.9	+37.9		3130.3		-495	+431	669,046	2787678
TP <sub>54</sub>	2220	2218.2	174° 59' 25"		10.3	87° 40'	+90.5	+80.2			TP	-1937	+1080	667,604	2788327
TP <sub>54</sub>	2220		(150° 51' 41")		10.2	272° 20'	+90.5	+80.3		3172.7	TP				
206			0 00 00												
TP <sub>54</sub>	0				+5.05	Mi		+5.1	3177.8		T	0	0	667,604	2788327
209	1261		7° 36' (338° 28')		9.1	91° 20'	-29.3	-38.4		3139.4		+1173	-463	668,777	2788664

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.7.84		B. Cotcamp		R. Trowbridge		6834		B.C.		4		27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Deep Lake - 7 1/2'		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (34105)						3177.8						
210	944		12° 10' (313° 02')		4.8	91° 20'	-21.9	-26.7		3151.1		+903	-275	668.507	2788,052
211	655		23° 40' (354° 32')		10.3	91° 10'	-13.3	-23.6		3154.2		+652	-62	668.256	2788,265
Sec. Corner	725		27° 27' 40" (358° 19' 21")		4.8	90° 07'	-1.5	-6.3		3171.5		+725	-21	668.329	2788,200 section corner
212	330		27° 10' (358° 02')		7.2	90° 16'	-1.0	-8.2		3169.6		+330	-11	667.934	2788,316
213	0				5.1	-		-5.1		3172.7	T	0	0	667.604	2788,327
Sec. Corner	613		25° 57' 57" (356° 49' 38")		10.1	90° 10'	-1.8	-11.9		3165.9		+612	-34	668.216	2788,243 section corner
214	330		205° 40' (176° 32')		11.8	90° 16'	-1.0	-12.8		3165.0		-329	+20	667.275	2788,347
TP <sub>55</sub>	583		204° 08' 36"		6.0	89° 20'	+6.8	+0.8		3178.6	TP	-581	+51	667.023	2788,378
TP <sub>55</sub>	583		(175° 00' 17")		4.3	89° 30'	+5.1	+0.8			TP				
TP <sub>54</sub>			0 00 00												
TP <sub>55</sub>	0				+5.0	41'		+5.0	3183.6		T	0	0	667.023	2788,378
215	73		149° 50' (144° 50')		5.6	86° -	+5.1	-0.5		3183.1		-60	+42	666.963	2788,420
216	401		147° 35' (142° 35')		6.7	85° 40'	+30.3	+23.6		3207.2		-318	+244	666.705	2788,622
TP <sub>56</sub>	427	426.0	146° 38' 20"		4.6	86° 10'	+28.6	+24.0		3207.6	TP	-334	+264	666.689	2788,642
TP <sub>56</sub>	427		(141° 38' 37")		3.3	86° 20'	+27.3	+24.0			TP				
TP <sub>55</sub>			0 00 00												
TP <sub>56</sub>	0				+5.0	41'		+5.0	3212.6		T	0	0	666.689	2788,642
TP <sub>57</sub>	312		136° 12' 27"		3.1	88° -	+10.9	+7.8		3220.4	TP	-43	+309	666.646	2788,751
TP <sub>57</sub>	312		(97° 51' 04")		2.2	88° 10'	+10.0	+7.8			TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.7.84		B. Cotcamp		R. Trowbridge		6834		B. C. W.		4		28			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Deep Lake - 7 1/2		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (92105)												
TP56			0° 00' 00"							3220.4					
TP57	0				+ 5.0	Mi		+ 5.0	3225.4		TP	0	0	666.646	2788951
217	24		307° 20' (225° 11')		6.0	-		- 6.0		3219.4		-17	-17	666.629	2788931
218	324		206° 00' (123° 51')		9.3	88° -	+ 11.3	+ 2.0		3227.4		-180	+ 269	666.466	2789220
219	653		207° 10' (125° 01')		11.9	86° -	+ 45.6	+ 33.7		3259.1		-375	+ 535	666.271	2789486
TP58	784	782.1	207° 06' 59"		7.2	86° -	+ 54.7	+ 47.5			TP	-448	+ 641	666.198	2789592
TP58	784		(124° 58' 03")		7.1	274° -	+ 54.7	+ 47.6		3273.0	TP				
TP57			0° 00' 00"												
TP58	0				+ 5.1	Mi		+ 5.1	3278.1		TP	0	0	666.198	2789592
220	200		197° 25' (142° 23')		6.9	84° -	+ 20.9	+ 14.0		3292.1		-158	+ 122	666.040	2789114
TP59	358	356.0	195° 20' 58"		4.4	84° -	+ 37.4	+ 33.0			TP	-274	+ 227	665.924	2789619
TP59	358		(146° 19' 01")		3.3	84° 10'	+ 36.4	+ 33.1		3311.2	TP				
TP58			0° 00' 00"												
TP59	0				+ 5.2	Mi		+ 5.2	3316.4		TP	0	0	665.924	2789819
221	171		151° 10' (111° 29')		6.6	83° -	+ 20.8	+ 14.2		3330.6		-63	+ 159	665.861	2789978
11...	274	272.0	148° 59' 01" (109° 18' 02")		8.2	83° 10'	+ 32.6	+ 24.4		3340.8		-90	+ 257	665.834	2790071
TP60	359	357.1	150° 12' 11"		4.1	84° 10'	+ 36.5	+ 32.4		3348.8	TP	-125	+ 331	665.799	2790153
TP60	359		(110° 31' 12")		5.2	84° -	+ 37.5	+ 32.3			TP				
TP59			0° 00' 00"												
TP60	0				+ 4.65	Mi		+ 4.7	3353.5		TP	0	0	665.799	2790153

g-665.800 x-2,799,005  
T - Intersect

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-7-84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		29			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH.ington		Deep Lake - T <sup>1</sup> / <sub>2</sub>		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → 191055						3353.5						
222	144		196° 50' (127° 21')		5.6	84° -	+15.1	+9.5		3363.0		-87	+114	665,712	2790,267
TP <sub>61</sub>	315	313.3	192° 23' 58"		8.2	84° -	+32.9	+24.7			TP	-170	+263	665,629	2790,416
TP <sub>61</sub>	315		(122° 55' 10")		2.7	85° -	+27.5	+24.8		3378.3	TP				
TP <sub>60</sub>			0 00 00												
TP <sub>61</sub>	0				+5.0	H <sub>i</sub>		+5.0		3383.3	TP	0	0	665,629	2790,416
223	158		182° 10' (125° 05')		6.2	84° -	+16.5	+10.3		3393.6		-91	+129	665,538	2790,545
TP <sub>62</sub>	391	388.9	181° 38' 12"		5.9	84° -	+40.9	+35.0		3418.3	TP	-221	+320	665,408	2790,736
TP <sub>62</sub>	391		(124° 33' 22")		4.7	84° 10'	+39.7	+35.0			TP				
TP <sub>61</sub>			0 00 00												
TP <sub>62</sub>	0				+5.05	H <sub>i</sub>		+5.1		3423.4	TP	0	0	665,408	2790,736
224	89		130° 40' (75° 13')		5.8	83° 30'	+10.1	+4.3		3427.7		+23	+86	665,431	2790,822
TP <sub>63</sub>	203	201.7	129° 29' 27"		8.9	83° 30'	+23.0	+14.1		3437.5	TP	+55	+194	665,463	2790,930
TP <sub>63</sub>	203		(74° 02' 49")		5.4	84° 30'	+19.5	+14.1			TP				
TP <sub>62</sub>			0 00 00												
TP <sub>63</sub>	0				+4.9	H <sub>i</sub>		+4.9		3442.4	TP	0	0	665,463	2790,930
225	221	220.2	204° 12' 16"		3.9	85° -	+19.3	+15.4		3457.8	TP	-32	+218	665,431	2791,148
225	221		(98° 15' 05")		3.2	85° 10'	+18.6	+15.4			TP				
TP <sub>63</sub>			0 00 00												
225	0				+4.8	H <sub>i</sub>		+4.8		3462.6	TP	0	0	665,431	2791,148

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.7.84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		30			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Deep Lake - 7 1/2'		WASH.		PEND OREILL								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
			notes → (92100)						3462.6						
226	302		165° 15' (83° 30')		7.3	83° -	+36.8	+29.5		3492.1		+34	+300	665,465	2791,448
TP <sub>64</sub>	365	362.7	163° 50' 46"		6.3	83° 30'	+41.3	+35.0			TP	+50	+359	665,481	2791,507
TP <sub>64</sub>	365		(82° 05' 51")		5.2	83° 40'	+40.3	+35.1		3497.7	TP				
225			0 00 00												
TP <sub>64</sub>	0				+4.95	H.		+5.0	3502.7		T	0	0	665,481	2791,507
TP <sub>65</sub>	161	160.1	161° 17' 50"		6.1	84° -	+16.8	+10.7			TP	+72	+143	665,553	2791,650
TP <sub>65</sub>	161		(63° 23' 41")		5.6	84° 10'	+16.4	+10.8		3513.5	TP				
TP <sub>64</sub>			0 00 00												
TP <sub>65</sub>	0				+5.0	H.		+5.0	3518.5		T	0	0	665,553	2791,650
<del>226</del> 227	93		194° 30' (77° 34')		6.2	83° -	+11.3	+5.1		3523.6		+19	+91	665,572	2791,741
TP <sub>66</sub>	154	153.2	196° 56' 05"		5.8	84° -	+16.1	+10.3		3528.8	TP	+26	+151	665,579	2791,801
TP <sub>66</sub>	154		(80° 19' 46")		5.4	84° 10'	+15.7	+10.3			TP				
TP <sub>65</sub>			0 00 00												
TP <sub>66</sub>	0				+5.0	H.		+5.0	3533.8		T	0	0	665,579	2791,801
228	260	258.6	167° 49' 47"		7.0	84° -	+27.2	+20.2		3554.0	TP	+96	+240	665,675	2792,041
228	260		(68° 09' 33")		6.2	84° 10'	+26.4	+20.2			TP				
TP <sub>66</sub>			0 00 00												
228	0				+5.0	H.		+5.0	3559.0		T	0	0	665,675	2792,041
229	330		191° 10' (79° 20')		7.1	85° -	+28.8	+21.7		3580.7		+61	+324	665,736	2792,365

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
9.7.84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		31.				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
WASHINGTON		Deep Lake - T <sup>1</sup> / <sub>2</sub>		WASH.		Pend Oreille								L.O. Davis		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS & TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
			plates → (98105)						3559.0							
230	660	658.0	190° 07' 08"		2.4	85° 30'	+51.8	+49.4		3608.4	TP	+134	+644	665.809	2792.685	Access
230	660		(78° 16' 41")		8.1	85° -	+57.5	+49.4		TP						
228			0 00 00													
230	0				+4.7	M.		+4.7		3613.1	TP	0	0	665.809	2792.685	
231	330		193° 55' (92° 12')		4.5	84° 20'	+32.6	+28.1		3641.2		-13	+330	665.796	2793.015	
TP <sub>18</sub>	443	440.8	192° 22' 21"		3.1	84° 20'	+43.7	+40.6		3653.7	TP	-5	+441	665.804	2793.126	
TP <sub>18</sub>	443		(90° 39' 02")		4.4	84° 10'	+45.0	+40.6		TP						
230			0 00 00													
TP <sub>18</sub>	0				+4.65	M.		+4.7		3658.4	TP	0	0	665.804	2793.126	
232	212		143° 00' (53° 31')		4.8	85° 40'	+16.0	+11.2		3669.6		+126	+171	665.930	2793.297	
TP <sub>19</sub>	305	303.7	136° 30' 26"		5.1	84° 40'	+28.4	+23.3		3681.7	TP	+207	+223	666.011	2793.349	
TP <sub>19</sub>	305		(47° 09' 28")		4.2	84° 50'	+27.5	+23.3		TP						
TP <sub>18</sub>			0 00 00													
TP <sub>19</sub>	0				+5.1	M.		+5.1		3686.8	TP	0	0	666.011	2793.349	
#	196		154° 35' 20" (21° 44' 48")		4.2	86° -	+13.7	+9.5		3696.3		+182	+72	666.193	2793.421	# Powerline
233	230		154° 00' (21° 09')		5.6	86° -	+16.0	+10.4		3697.2		+215	+83	666.226	2793.432	
TP <sub>20</sub>	316		145° 43' 18"		4.5	87° -	+16.5	+12.0		3698.8	TP	+308	+70	666.319	2793.419	
TP <sub>20</sub>	316		(12° 52' 46")		3.6	87° 10'	+15.6	+12.0		TP						

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.7.84		B. Cotcamp		R. Trowbridge		6834		R.T. W		4		32			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Deep Lake - 7 1/2		WASH.		PEND OREILLE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP <sub>69</sub>			0 00 00							3698.8					
TP <sub>70</sub>	0				+5.2	M.		+5.2	3704.0		T	0	0	666,319 2,793,419	
TP <sub>71</sub>	260		203° 22' 18"		5.8	89° -	+4.5	-1.3			TP	+210	+154	666,529 2,793,573	
TP <sub>71</sub>	260		(36° 15' 04")		5.7	271° -	+4.5	-1.2 X		3702.8	TP				
TP <sub>70</sub>			0 00 00												
TP <sub>71</sub>	0				+5.0	M.		+5.0	3707.8		T	0	0	666,529 2,793,573	
234	35		327° 10' (183° 25')		8.4	92° -	-1.2	-9.6		3698.2		-35	-2	666,494 2,793,571	
235	326		249° 06' 25"		9.1	92° -	-11.4	-20.5 X		3687.3	TP	-86	+314	666,443 2,793,887	
235	326		(105° 21' 29")		3.5	93° -	-17.1	-20.6			TP			ACROSS STA.	
TP <sub>71</sub>			0 00 00												
235	0				+5.1	M.		+5.1	3692.4		T	0	0	666,443 2,793,887	
TP	35		233° 16' 20" (158° 31' 49")		5.3	92° -	-1.2	-6.5		3685.9		-33	+13	666,410 2,793,900	
TP <sub>72</sub>	276		239° 08' 13"		6.1	92° 40'	-12.8	-18.9			TP	-266	+74	666,177 2,793,961	
TP <sub>72</sub>	276		(164° 29' 42")		6.0	267° 20'	-12.8	-18.8 X		3673.6	TP				
235			0 00 00												
TP <sub>72</sub>	0				+4.95	M.		+5.0 X	3678.6		T	0	0	666,177 2,793,961	
236	48		125° 40' (110° 10')		5.8	91° 40'	-1.4	-7.2		3671.4		-17	+45	666,160 2,794,006	
TP <sub>73</sub>	170		120° 09' 00"		7.4	91° 40'	-4.9	-12.3 X		3666.3	TP	-43	+164	666,134 2,794,125	
TP <sub>73</sub>	170		(104° 38' 42")		9.5	92° 20'	-6.9	-12.4			TP				

y = 666,390 x - 2,793,910  
y - Intersect.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.7.84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		33			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Deep Lake 7 1/2		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
			plates → (grids)												
TP72			0 00 00							3666.3					
TP73	0				+ 5.05 Hi			+ 5.1	3671.4		TP	0	0	666.134	2,794,125
237	204		169° 20' (93° 59')		6.2	92° 30'	- 8.9	- 15.1		3656.3		- 14	+ 204	666.120	2,794,329
TP74	467		170° 03' 53"		5.9	93° -	- 24.4	- 30.3		3641.1	TP	- 38	+ 465	666.096	2,794,596
TP74	467		(94° 42' 35")		4.6	93° 10'	- 25.8	- 30.4			TP				
TP73			0 00 00												
TP74	0				+ 4.8 Hi			+ 4.8	3645.9		TP	0	0	666.096	2,794,590
238	73		224° 00' (138° 43')		5.7	92° -	- 2.5	- 8.2		3637.7		- 55	+ 48	666.041	2,794,638
239	402		227° 18' (142° 00')		5.8	91° 50'	- 12.9	- 18.7		3627.2		- 317	+ 247	665.779	2,794,837
TP75	737	736.3	226° 26' 23"		6.1	92° 30'	- 32.1	- 38.2		3607.7	TP	- 573	+ 462	665.523	2,795,052
TP75	737		(141° 08' 58")		8.3	92° 20'	- 30.0	- 38.3			TP				
TP74			0 00 00												
TP75	0				+ 5.05 Hi			+ 5.1	3612.8		TP	0	0	665.523	2,795,052
240	31		283° 20' (244° 29')		4.5	87° -	+ 1.6	- 2.9		3609.9		- 13	- 28	665.510	2,795,024
241	337		208° 54' 00"		7.8	93° -	- 17.6	- 25.4		3587.4	TP	- 331	+ 58	665.192	2,795,110
241	337		(170° 02' 58")		6.8	93° 10'	- 18.6	- 25.4			TP				
TP75			0 00 00												
241	0				+ 5.0 Hi			+ 5.0	3592.4		TP	0	0	665.192	2,795,110
242	329		209° 15' (199° 18')		7.7	92° 40'	- 15.3	- 23.0		3569.4		- 311	- 109	664.881	2,795,001

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.7.84		B. Cotcamp		R. Trowbridge		6834		R.T. W		4		34			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Deeplake 7.5		WASH.		Pend Oreille								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 TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plugs → (9eids)						3592.4						
TP <sub>16</sub>	402		206° 11' 02"		6.1	93°	-21.0	-27.1			TP	-385	-112	664,807	2,794,998
TP <sub>16</sub>	402		(196° 13' 60")		6.0	267°	-21.0	-27.0		3565.4	TP				
241			0 00 00												
TP <sub>16</sub>	0				+4.95	H.		+5.0	3570.4		T	0	0	664,807	2,794,998
#	44		125° 50' 03" (142° 04' 03")		6.3	93°	-2.3	-8.6		3561.8		+35	-27	664,842	2,794,971
243	248		114° 20' (130° 34')		4.8	93° 38'	-15.7	-20.5		3549.9		-161	+188	664,646	2,795,186
TP <sub>17</sub>	281		112° 32' 41"		5.2	93° 30'	-17.2	-22.4			TP	-176	+219	664,631	2,795,217
TP <sub>17</sub>	281		(128° 46' 41")		6.0	93° 20'	-16.3	-22.3		3548.1	TP				
TP <sub>16</sub>			0 00 00												
TP <sub>17</sub>	0				+5.1	H.		+5.1	3553.2		T	0	0	664,631	2,795,217
244	292		144° 50' (93° 37')		10.2	93° 26'	-17.0	-27.2		3526.0		-18	+291	664,613	2,795,508
245	621		143° 10' (91° 57')		8.0	93° 20'	-36.1	-44.1		3509.1		-21	+621	664,610	2,795,838
TP <sub>18</sub>	1587		155° 03' 11"		6.4	90° 50'	-23.0	-29.4			TP	-379	+1541	664,252	2,796,758
TP <sub>18</sub>	1587		(103° 49' 52")		6.3	267° 10'	-23.0	-29.3		3523.9	TP				
TP <sub>17</sub>			0 00 00												
TP <sub>18</sub>	0				+5.05	H.		+5.1	3529.0		T	0	0	664,252	2,796,758
246	660		8° 15' (292° 05')		8.3	91° 30'	-17.3	-25.6		3503.4		+248	-611	664,500	2,796,145
247	330		" " " "		9.3	90° 30'	-2.9	-12.2		3516.8		+124	-306	664,376	2,796,452
248	0				5.1	-		-5.1		3523.9		0	0	664,252	2,796,758
249	330		191° 05' (114° 55')		7.7	90° 30'	-2.9	-10.6		3518.4		-139	+299	664,113	2,797,057

SUNSHOT Taken @ this setup.  
 Sweeney 9e.0 (103° 49' 52")  
 SUNSHOT 9e.0 (103° 47' 21")  
 + 2' 31"

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.7.84		B. Cotcamp		R. TRUWBRIDGE		6834		R.T.		4		35			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Deep Lake 75'		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (grids)						3529.0						
TP <sub>79</sub>	452		184° 09' 52"		6.4	91° -	-7.9	-14.3		3514.7	TP	-139	+430	664113	2,797,188
TP <sub>79</sub>	452		(107° 57' 13")		5.1	91° 10'	-9.2	-14.3			TP				
TP <sub>78</sub>			0 00 00												
TP <sub>79</sub>	0				+5.15	4i		+5.2	3519.9		X	0	0	664113	2,797,188
250	198		139° 55' (67° 52')		6.4	91° 10'	-4.0	-10.4		3509.5		+75	+183	664188	2,797,371
TP <sub>80</sub>	339		135° 30' 29"		7.0	91° 10'	-6.9	-13.9		3506.0	TP	+151	+303	664264	2,797,491
TP <sub>80</sub>	339		(63° 27' 42")		6.0	91° 20'	-7.9	-13.9			TP				
TP <sub>79</sub>			0 00 00												
TP <sub>80</sub>	0				+5.2	4i		+5.2	3511.2		X	0	0	664264	2,797,491
251	186		190° 10' (73° 38')		7.7	91° 30'	-4.9	-12.6		3498.6		+52	+178	664316	2,797,669
252	515		190° 43' 30"		5.2	91° -	-9.0	-14.2			TP	+140	+495	664404	2,797,986
252	515		(74° 11' 12")		5.1	269° -	-9.0	-14.1		3497.1	TP				
TP <sub>80</sub>			0 00 00												
252	0				+5.2	4i		+5.2	3502.3		X	0	0	664404	2,797,986
253	330		175° 00' (69° 11')		7.9	-		-7.9		3494.4		+117	+309	664521	2,798,295
254	659		174° 00' (68° 11')		4.0	91° -	-11.5	-15.5		3486.8		+243	+612	664647	2,798,598
TP <sub>81</sub>	684		173° 42' 18"		5.5	91° -	-11.9	-17.4		3484.9	TP	+257	+634	664661	2,798,620
TP <sub>81</sub>	684		(67° 53' 30")		3.5	91° 10'	-13.9	-17.4			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			
9.10.84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		36			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Deeplake 7.5		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
252			Plates → (99105)							3484.9					
TP <sub>81</sub>	0		0° 00' 00"		+5.35	41.		+5.4	3490.3		TP	0	0	664,661	2,798,620
255 TP <sub>82</sub>	284		180° 12' 28"		4.8	92° 30'	-12.4	-17.2			TP	+106	+263	664,767	2,798,883
TP <sub>82</sub>	284		(68° 05' 58")		4.7	267° 30'	-12.4	-17.1		3473.2	TP				
TP <sub>81</sub>			0° 00' 00"												
TP <sub>82</sub>	0				+5.0	41.		+5.0	3478.2		TP	0	0	664,767	2,798,883
255	20		161° 30' (39° 36')		4.8	94° -	-1.4	-6.2		3472.0		+15	+13	664,782	2,798,896
TP <sub>83</sub>	187		143° 44' 07"		2.5	94° -	-13.0	-15.5		3462.7	TP	+158	+98	664,925	2,798,981
TP <sub>83</sub>	187		(31° 50' 05")		5.8	93° -	-9.8	-15.6			TP				
TP <sub>82</sub>			0° 00' 00"												
TP <sub>83</sub>	0				+5.0	41.		+5.0	3467.7		TP	0	0	664,925	2,798,981
256	160		143° 45' (355° 35')		6.3	90° 30'	-1.4	-7.7		3460.0		+160	-12	665,085	2,798,969
257	490		143° 10' (355° 00')		9.0	89° 30'	+4.3	-4.7		3463.0		+488	-43	665,413	2,798,938
TP <sub>84</sub>	720		143° 14' 17"		5.3	89° 40'	+4.2	-1.1		3466.6	TP	+717	-62	665,642	2,798,919
TP <sub>84</sub>	720		(355° 04' 22")		7.4	89° 30'	+6.3	-1.1			TP				
TP <sub>83</sub>			0° 00' 00"												
TP <sub>84</sub>	0				+5.25	41.		+5.3	3471.9		TP	0	0	665,642	2,798,919
258	163		275° 10' (90° 14')		6.4	89° -	+2.8	-3.6		3468.3		-1	+163	665,641	2,799,082
259	489		279° 16' (94° 14')		6.5	89° 30'	+4.3	-2.2		3469.7		-36	+488	665,600	2,799,407

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-10-84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		37			
AREA		TPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Deep Lake 7.5		WASH.		Pend Oreille								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
			notes → (grids)						3471.9						
TP85	530		278° 30' 15"		6.7	89° 30'	+4.6	-2.1			TP	-33	+529	665609	2,799,448
TP85	530		(93° 34' 37")		5.1	89° 40'	+3.1	-2.0		3469.9	TP				
TP84			0 00 00												
TP85	0				+5.1	Mi		+5.1	3475.0		X	0	0	665609	2,799,448
TP86	160		154° 08' 10"		3.2	-		-3.2		3471.8	TP	+61	+148	665670	2,799,596
TP86	160		(67° 42' 47")		4.0	TH	+0.8	-3.2			TP				
TP85			0 00 00												
TP86	0				+5.15	Mi		+5.2	3477.0		X	0	0	665670	2,799,596
260	124		161° 30' (49' 13")		4.8	90° 52'	-1.9	-6.7		3470.3		+81	+94	665751	2,799,690
#	162		159° 02' 55" (46° 45' 42")		5.8	90° 40'	-1.9	-7.7		3469.3	#	+111	+118	665781	2,799,714 # Powerline
261	454		160° 50' (48' 33")		8.0	89° 30'	+4.0	-4.0		3473.0		+301	+340	665971	2,799,936
TP87	635		162° 02' 40"		4.1	89° -	+11.1	+7.0			TP	+410	+485	666080	2,800,081
TP87	635		(49° 45' 27")		4.0	271° -	+11.1	+7.1		3484.1	TP				
TP86			0 00 00												
TP87	0				+4.9	Mi		+4.9	3489.0		X	0	0	666080	2,800,081
262	163		221° 05' (90° 50')		6.7	-		-6.7		3482.3		-2	+163	666078	2,800,244
263	492		216° 36' (86° 21')		7.0	90° 36'	-5.2	-12.1		3476.9		+31	+491	666111	2,800,572
264	822		216° 20' (86° 05')		10.2	91° -	-14.3	-24.5		3464.5		+56	+820	666136	2,800,701
TP88	525		215° 15' 01"		4.3	91° -	-9.2	-13.5			TP	+46	+523	666126	2,800,604
TP88	525		(85° 00' 28")		7.3	90° 40'	-6.1	-13.4		3475.6	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.10.84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		38			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Deep Lake 75		WASH.		Perry Oresille								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
TP87			0 00 00							3475.6					
TP88	0				+4.9	M.		+4.9	3480.5		T	0	0	666,126	2,800,604
265	627		183° 20' (88° 20')		4.8	92°	-219	-26.7		3453.8		+18	+626	666,144	2,801,230
TP89	806		182° 57' 25"		2.9	91° 40'	-234	-26.3		3454.2	TP	+29	+805	666,155	2,801,409
TP89	806		(87° 57' 25")		9.9	91° 10'	-16.4	-26.3			TP				
TP88			0 00 00												
TP89	0				+4.85	M.		+4.9	3459.1		T	0	0	666,155	2,801,409
266	185		234° 00' (141° 58')		3.8	93°	-9.7	-13.5		3445.6		-146	+114	666,009	2,801,523
267	514		231° 05' (139° 05')		7.3	93°	-26.9	-34.2		3424.9		-388	+336	665,767	2,801,745
TP90	622	620.8	230° 43' 05"		5.8	93° 20'	-38.0	-43.8		3415.3	TP	-466	+410	665,689	2,801,819
TP90	622		(138° 40' 58")		7.6	93° 20'	-36.2	-43.8			TP				
TP89			0 00 00												
TP90	0				+5.05	M.		+5.1	3420.4		T	0	0	665,689	2,801,819
268	221		177° 10' (135° 51')		6.0	94° 20'	-17.3	-23.3		3397.1		-158	+153	665,531	2,801,972
TP91	324	323.0	173° 40' 29"		4.8	94° 20'	-25.4	-30.2		3390.2	TP	-218	+239	665,471	2,802,058
TP91	324		(132° 21' 27")		5.8	94° 20'	-24.5	-30.3			TP				
TP90			0 00 00												
TP91	0				+5.1	M.		+5.1	3395.3		T	0	0	665,471	2,802,058
269	226		177° 10' (129° 31')		7.2	92°	-7.9	-15.1		3380.2		-144	+174	665,327	2,802,232
270	556		175° 45' (128° 06')		7.6	91° 40'	-16.2	-23.8		3371.5		-343	+437	665,128	2,802,495

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.10.84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		39			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Deep Lake & Metaline		WASH.		Pend Oreille								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
			PLATES → (9.0.05)						3395.3						
271	886		175° 46' 34"		3.1	91° 40'	-25.8	-28.9		3366.4	TP	-547	+697	664924	2,802.755 Across STR.
271	886		(128° 08' 01")		5.8	91° 30'	-23.2	-29.0			TP				
TP91			0° 00' 00"												
271	0				+5.0	H.		+5.0	3371.4		TP	0	0	664924	2,802.755
272	329		204° 55' (153° 03')		6.0	89° -	+5.7	-0.3		3371.1		-293	+149	664631	2,802,904
TP92	457		203° 39' 29"		5.1	89° 30'	+4.0	-1.1		3370.3	TP	-403	+216	664521	2,802,971
TP92	457		(151° 47' 30")		6.4	89° 20'	+5.3	-1.1			TP				
271			0° 00' 00"												
TP92	0				+5.05	H.		+5.1	3375.4		TP	0	0	664521	2,802,971
273	197		153° 50' (125° 38')		7.0	92° -	-6.9	-13.9		3366.5		-115	+160	664406	2,803,131
274	527		154° 20' (126° 08')		7.7	91° 34'	-14.4	-22.1		3353.3		-311	+425	664210	2,803,396 Deep Lake ↑
TP93	794		152° 31' 20"		8.2	91° 30'	-20.8	-29.0			TP	-447	+656	664074	2,803,627 Metaline ↓
TP93	794		(124° 18' 50")		8.1	268° 30'	-20.8	-28.9		3346.5	TP				
TP92			0° 00' 00"												
TP93	0				+5.1	H.		+5.1	3351.6		TP	0	0	664074	2,803,627
275	57		150° 45' (95° 04')		6.3	91° 10'	-1.2	-7.5		3344.1		-5	+57	664069	2,803,684
276	387		149° 20' (93° 39')		8.6	91° 10'	-7.9	-16.5		3335.1		-25	+386	664049	2,804,013
277	715		147° 25' (91° 44')		6.0	91° 50'	-22.9	-28.9		3322.7		-22	+714	664055	2,804,341
TP94	899		147° 31' 44"		14.2	91° 28'	-23.0	-37.2			TP	-30	+898	664044	2,804,525
TP94	899		(91° 56' 34")		14.1	268° 32'	-23.0	-37.1		3314.5	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.12.84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		40			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Metaline 7.5		WASH.		Pawnee		OREILLE						L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP <sub>83</sub>			plates → (92105)							3314.5					
TP <sub>84</sub>	0				+5.35	M.		+5.4	3319.9		TP	0	0	664044	2,804,525
278	147		213° 55' (125° 52')		5.5	91° 40'	-4.3	-9.8		3310.1		-86	+119	663958	2,804,644
4+	228		1° 39' 08" (273° 36')		4.8	87° 14'	+11.0	+6.2		3326.1		+14	-227	669058	2,804,298
279	476		214° 40' (126° 37')		10.0	91° 40'	-13.8	-23.8		3296.1		-284	+382	663760	2,804,907
TP <sub>85</sub>	508		212° 20' 19"		5.6	92° -	-17.7	-23.3		3296.6	TP	-286	+420	663758	2,804,945
TP <sub>85</sub>	508		(124° 16' 53")		14.5	91° -	-8.9	-23.4			TP				
TP <sub>84</sub>			0° 00' 00"												
TP <sub>85</sub>	0				+5.25	M.		+5.3	3301.9		TP	0	0	663758	2,804,945
280	301		204° 05' (148° 22')		6.4	92° 20'	-12.3	-18.7		3283.2		-256	+158	663502	2,805,103
281	631		203° 50' (148° 07')		12.7	92° 20'	-25.7	-38.4		3263.5		-535	+333	663223	2,805,298
TP <sub>86</sub>	706	705.0	203° 34' 47"		5.5	93° -	-36.9	-42.4		3259.5	TP	-597	+375	663761	2,805,320
TP <sub>86</sub>	706		(147° 51' 40")		11.7	92° 30'	-30.8	-42.5			TP				
TP <sub>85</sub>			0° 00' 00"												
TP <sub>86</sub>	0				+5.1	M.		+5.1	3264.6		TP	0	0	663761	2,805,320
282	256		168° 15' (136° 01')		6.2	90° 40'	-3.0	-9.2		3255.4		-185	+177	662976	2,805,497
TP <sub>87</sub>	463		162° 12' 24"		4.9	90° 40'	-5.4	-10.3			TP	-298	+354	662863	2,805,674
TP <sub>87</sub>	463		(130° 04' 04")		6.2	90° 30'	-4.0	-10.2		3254.4	TP				
TP <sub>86</sub>			0° 00' 00"												
TP <sub>87</sub>	0				+5.3	M.		+5.3	3259.7		TP	0	0	662863	2,805,674

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTICE CHECKED BY		LINE NO.		PAGE			
9.12.84		B. Cotcamp		R. Trowbridge		6834		R.T.		4		41			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Metaline 75'		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS & TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (grids)						3259.7						
283	119		171° 10' (121° 14')		6.0	91° 20'	-2.8	-8.8		3250.9		-62	+102	662,801	2,805,776
284	449		169° 20' (119° 24')		9.1	91° 20'	-10.4	-19.5		3240.2		-220	+391	662,643	2,806,065
TP <sub>98</sub>	531		168° 54' 07"		9.8	91° 20'	-12.4	-22.2			TP	-257	+464	662,606	2,806,138
TP <sub>98</sub>	531		(118° 58' 11")		5.1	91° 50'	-17.0	-22.1		3237.6	TP				
TP <sub>97</sub>			0 00 00												
TP <sub>98</sub>	0				+5.1	H.		+5.1	3242.7		T	0	0	662,606	2,806,138
285	250		195° 25' (134° 23')		4.3	94° -	-17.4	-21.7		3221.0		-174	+178	662,432	2,806,316
286	580		194° 40' (133° 38')		8.8	94° -	-40.5	-49.3		3193.4		-399	+419	662,207	2,806,557
287	910		193° 45' (132° 43')		9.8	94° -	-63.5	-73.3		3169.4		-616	+667	661,990	2,806,805
288	1239		" " (-)		10.7	93° 30'	-75.6	-86.3		3156.4		-839	+909	661,767	2,807,047
TP <sub>99</sub>	1687	1683.9	194° 02' 18"		2.4	93° 30'	-102.9	-105.3			TP	-1149	+1231	661,457	2,807,369
TP <sub>99</sub>	1687		(133° 00' 29")		2.3	266° 30'	-102.9	-105.2		3137.5	TP				
TP <sub>98</sub>			0 00 00												
TP <sub>99</sub>	0				+5.0	H.		+5.0	3142.5		T	0	0	661,457	2,807,369
289	125		345° 50' (298° 50')		8.8	87° -	+6.5	-2.3		3140.2		+60	-109	661,517	2,807,260
#1	73		235° 14' 45" (188° 15' 14")		6.3	95° 40'	-7.2	-13.5		3129.0		-72	-10	661,385	2,807,359
290	228		216° 30' (163° 30')		6.5	94° 20'	-17.2	-23.7		3118.8		-218	+65	661,239	2,807,434
#1(?)	310		197° 43' 55" (150° 44' 24")		6.0	93° 46'	-19.8	-25.8		3116.7	#1	-270	+151	661,187	2,807,520
291	557		206° 30' (159° 30')		7.1	94° 20'	-42.1	-49.2		3093.3		-520	+195	660,937	2,807,564

4-661,175 x = 2,807,515  
 #1 T-Intersect EL. 3112.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.12.84		B. Cotcamp		R. Trowbridge		6834		R.T. W		4		42			
AREA		TOPO. MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Metaline 7.5		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (9.105)						3142.5						
292	886	883.1	206° 28' 54"		8.2	94° 40'	-72.1	-80.3		3062.2	TP	-827	+309	660630	2807.678
292	886		(159° 29' 23")		10.8	94° 30'	-69.5	-80.3			TP				
TP <sub>94</sub>			0 00 00												
292	0				+5.15	H.		+5.2	3067.4		T	0	0	660630	2807.678
293	330		185° 35' (165° 04')		7.1	94° 20'	-24.9	-32.0		3035.4		-318	+85	660312	2807.763
294	658	656.7	182° 29' 46"		9.5	93° 40'	-42.1	-51.6		3015.8	TP	-624	+203	660006	2807.881
294	658		(161° 59' 09")		11.4	93° 30'	-40.2	-51.6			TP				
292			0 00 00												
294	0				+4.95	H.		+5.0	3020.8		T	0	0	660006	2807.881
295	330		150° 05' (132° 04')		5.2	92° 30'	-14.4	-19.6		3001.2		-221	+245	659785	2808.126
296	659		146° 45' (128° 44')		6.9	92° 10'	-24.9	-31.8		2989.0		-412	+514	659594	2808.395
TP <sub>100</sub>	701		146° 20' 48"		5.4	92° 20'	-28.5	-33.9		2986.9	TP	-434	+549	659572	2808.430
TP <sub>100</sub>	701		(128° 19' 57")		7.4	92° 10'	-26.5	-33.9			TP				
294			0 00 00												
TP <sub>100</sub>	0				+5.1	H.		+5.1	2992.0		T	0	0	659572	2808.430
297	556 330 288		174° 45' (123° 05')		9.1	93° -	-15.1	-24.2		2967.8		-157	+241	659415	2808.671
TP <sub>1</sub>	515		177° 57' 31"		10.0	93° -	-26.9	-36.9		2955.1	TP	-304	+415	659268	2808.845
TP <sub>1</sub>	515		(126° 17' 28")		1.0	94° -	-35.9	-36.9			TP				
TP <sub>100</sub>			0 00 00												
TP <sub>1</sub>	0				+5.0	H.		+5.0	2960.1		T	0	0	659268	2808.845

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.12.84		B. Cotcamp		R. TROWBRIDGE		6834		RT W		4		93			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Metaline 5		WASH.		Pend Oreille								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
			plates → (92/10)						2960.1						
298	103		199° 10' (145° 21')		5.0	92°	-36	-8.6		2951.5		-85	+58	659,183	2,808,903
TP <sub>2</sub>	291		198° 26' 36"		5.8	92°	-10.2	-16.0			TP	-237	+168	659,031	2,809,013
TP <sub>2</sub>	291		(144° 44' 04")		4.9	92° 10'	-11.0	-15.9		2944.2	TP				
TP <sub>1</sub>			0 00 00												
TP <sub>2</sub>	0				+5.1	Mi		+5.1		2949.3	TP	0	0	659,031	2,809,013
299	145		194° 10' (158° 54')		6.3	94° 40'	-11.8	-18.1		2931.2		-135	+52	658,896	2,809,065
300	475		194° 20' (159° 04')		9.1	94° 40'	-38.6	-47.7		2901.6		-442	+169	658,589	2,809,182
301	804		194° 45' (159° 29')		4.3	94° 40'	-65.4	-69.7		2879.6		-751	+281	658,280	2,809,294
302	1133		194° 30' (159° 14')		7.9	94° 30'	-88.9	-96.8		2852.5		-1056	+400	657,975	2,809,413
303	1463		193° 58' (158° 42')		8.0	94° 30'	-114.7	-122.7		2826.6		-1359	+530	657,672	2,809,543
TP <sub>3</sub>	1572	1567.2	193° 39' 03"		9.0	94° 30'	-123.3	-132.3		2817.2	TP	-1457	+577	657,574	2,809,590
TP <sub>3</sub>	1572		(158° 23' 07")		8.7	265° 30'	-123.3	-132.0	-132.1		TP				
TP <sub>2</sub>			0 00 00												
TP <sub>3</sub>	0				+5.2	Mi		+5.2		2822.4	TP	0	0	657,574	2,809,590
304	219		169° 00' (147° 23')		5.7	95°	-19.1	-24.8		2797.6		-184	+118	657,390	2,809,708
TP <sub>4</sub>	472	470.4	165° 10' 36"		7.5	94° 40'	-38.4	-45.9		2776.5	TP	-378	+279	657,196	2,809,869
TP <sub>4</sub>	472		(143° 33' 43")		6.1	94° 50'	-39.8	-45.9			TP				
TP <sub>3</sub>			0° 00 00												
TP <sub>4</sub>	0				+5.05	Mi		+5.1		2781.6	TP	0	0	657,196	2,809,869
305	74		168° 40' (132° 14')		5.9	92°	-26	-8.5		2773.1		-50	+55	657,146	2,809,924

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
9.12.84		B. Cotcamp		R. Trowbridge		6834		R.T. W		4	44				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
Washington		Metaline S		WASH.		Pend Oreille					L.O. Davis				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (grids)						27816						
TP <sub>5</sub>	167		164° 01' 41"		6.1	92° -	-5.8	-11.9		2769.7	TP	-102	+132	657094	2,810,001
TP <sub>5</sub>	167		(127° 35' 24")		5.6	92° 10'	-6.3	-11.9			TP				
TP <sub>4</sub>			0 00 00												
TP <sub>5</sub>	0				+5.0	Mi		+5.0	2774.7		T	0	0	657094	2,810,001
306	231		155° 14' 18" (102° 50')		7.2	93° 30'	-14.1	-21.3		2753.4	#	-51	+225	657043	2,810,226
307	561		156° 07' 46"		6.4	92° 46'	-26.1	-32.5		2742.2	TP	-133	+544	656961	2,810,545
307	561		(103° 43' 04")		8.0	92° 30'	-24.5	-32.5			TP				
TP <sub>3</sub>			0 00 00												
307	0				+5.15	Mi		+5.2	2747.4		T	0	0	656961	2,810,545
308	330		193° 20' (117° 03')		5.2	91° 10'	-6.7	-11.9		2735.5		-150	+294	656811	2,810,839
TP <sub>6</sub>	484		193° 27' 46"		7.0	91° 20'	-11.3	-18.3			TP	-221	+430	656740	2,810,975
TP <sub>6</sub>	484		(117° 10' 50")		6.9	268° 40'	-11.3	-18.2		2729.2	TP				
307			0 00 00												
TP <sub>6</sub>	0				+5.1	Mi		+5.1	2734.3		T	0	0	656740	2,810,975
309	179		199° 25' (136° 36')		6.7	93° -	-9.4	-16.1		2718.2		-130	+123	656610	2,811,098
TP <sub>7</sub>	250		199° 23' 07"		3.4	94° -	-17.4	-20.8		2713.5	TP	-181	+171	656559	2,811,146
TP <sub>7</sub>	250		(136° 33' 57")		2.7	94° 10'	-18.2	-20.9			TP				
TP <sub>6</sub>			0 00 00												
TP <sub>7</sub>	0				+5.1	Mi		+5.1	2718.6		T	0	0	656559	2,811,146
#	204		222° 06' 24" (178° 40' 24")		7.2	92° -	-7.1	-14.3		2704.3		-204	+5	656355	2,811,151

g-656430 x-2,811,110  
# CREEK CROSSING



SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTICE CHECKED BY		LINE NO.		PAGE			
9-12-84		B. Cotcamp		R. Trowbridge		6834		RST- W		4		46			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Zone 75		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP <sub>10</sub>			0° 00' 00"							2608.4					
TP <sub>11</sub>	0				+5.0	41'		+5.0	2603.4		T	0	0	655269	2,812,282
315	76		204° 00' (147° 45')		5.1	95°	-6.6	-11.7		2601.7		-64	+40	655205	2,812,322
316	405		201° 55' (145° 40')		5.3	95°	-35.3	-40.6		2572.8		-333	+228	654936	2,812,510
TP <sub>12</sub>	515	1512.2	199° 41' 28"		6.6	95°	-44.9	-51.5		2561.9	TP	-412	+304	654857	2,812,586
TP <sub>12</sub>	515		(143° 32' 12")		5.1	95° 10'	-46.4	-51.5			TP				
TP <sub>11</sub>			0° 00' 00"												
TP <sub>12</sub>	0				+4.8	41'		+4.8	2566.7		T	0	0	654857	2,812,586
317	216		144° 35' (108° 07')		6.2	96°	-22.6	-28.8		2537.9		-67	+204	654790	2,812,790
JK TP <sub>13</sub>	365		144° 07' 47"		7.4	96°	-38.2	-45.6			JK TP	-110	+346	654747	2,812,932
TP <sub>13</sub>	365		(107° 39' 59")		7.3	264°	-38.2	-45.5		2521.2	TP				
TP <sub>12</sub>			0° 00' 00"												
TP <sub>13</sub>	0				+4.95	41'		+5.0	2526.2		T	0	0	654747	2,812,932
JK	90		179° 24' 13" (107° 35' 41")		5.3	93°	-4.7	-10.0		2516.2	JK	-27	+86	654720	2,813,018
318	173		169° 55' (97° 35')		4.7	92°	-6.0	-10.7		2515.5		-23	+171	654724	2,813,103
319	497		158° 15' (85° 55')		6.1	TH	+2.5	-3.6		2522.6		+35	+496	654782	2,813,428
TP <sub>14</sub>	570		156° 14' 21"		2.2	-		-2.2			TP	+61	+567	654808	2,813,499
TP <sub>14</sub>			(83° 54' 20")		3.8	89° 50'	+1.7	-2.1		2524.1	TP				

g-654715 x-2,813,035 JK BRIDGE

SUNSHOT TAKEN @ THIS T.P. - (83° 53' 55") SURVEYED (83° 54' 20")

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.13.84		B. Cotcamp		R. Trowbridge		6834		B.C.W		4		47			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Lone 7.5'		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP13			plates → (90105)							2524.1					
TP14	0				+5.05	M.		+5.1	2529.2		TP	0	0	654,808	2,813,499
320	260		197° 10' (101° 04')		7.9	-		-7.9		2521.3		-50	+256	654,758	2,813,754
321	590		198° 20' (102° 14')		10.2	BM	-3.0	-13.2		2516.0		-125	+577	654,683	2,814,076
TP15322	917		195° 28' 26"		10.9	-		-10.9		2518.4	TP	-149	+905	654,659	2,814,404
TP15322	917		(99° 22' 46")		10.7	270°		-10.7	-10.83		TP				
TP14			0 00 00												
322	0				+5.0	M.		+5.0	2523.4		TP	0	0	654,659	2,814,404
323	330		166° 10' (79° 33')		5.8	88°	+11.5	+5.7		2529.1		+60	+324	654,719	2,814,728
324	659		157° 57' 12"		5.5	88° 50'	+13.4	+7.9			TP	+144	+643	654,803	2,815,047
324	659		(77° 19' 58")		5.4	271° 10'	+13.4	+8.0		2531.4	TP				ACROSS STA.
322			0 00 00												
324	0				+5.1	M.		+5.1	2536.5		TP	0	0	654,803	2,815,047
325	330		186° 20' (83° 40')		8.1	92° 20'	-13.4	-21.5		2515.0		+36	+328	654,839	2,815,375
TP15	493		188° 44' 54"		7.4	92° 50'	-24.4	-31.8		2504.7	TP	+34	+491	654,837	2,815,538
TP15	493		(86° 04' 52")		6.0	93°	-25.6	-31.8			TP				
324			0 00 00												
TP15	0				+5.05	M.		+5.1	2509.8		TP	0	0	654,837	2,815,538
326	170		206° 10' (112° 15')		5.9	93° 30'	-10.4	-16.3		2493.5		-64	+157	654,773	2,815,695

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-13-84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		4		48			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Tone 75		WASHINGTON		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			plates → (36105)						2509.8						
TP <sub>16</sub>	421		209° 10' 45"		3.5	93° 30'	-25.7	-29.2		2480.6	TP	-179	+380	654,658	2,815,918
TP <sub>16</sub>	421		(115° 15' 37")		4.8	93° 20'	-24.5	-29.3			TP				
TP <sub>15</sub>			0 00 00												
TP <sub>16</sub>	0				+5.0	H.		+5.0	2485.6		TP	0	0	654,658	2,815,918
327	79		200° 30' (135° 46')		6.2	90° 30'	-0.7	-6.9		2478.7		-57	+55	654,601	2,815,973
328	409		202° 40' (137° 56')		7.2	90° 30'	-3.6	-10.8		2474.8		-304	+274	654,354	2,816,192
329	739		" " (-)		7.7	90° 30'	-6.4	-14.1		2471.5		-549	+495	654,109	2,816,413
330	1067		200° 58' 22"		5.8	90° 50'	-15.5	-21.3			TP	-770	+738	653,858	2,816,656
330	1067		(136° 13' 59")		8.8	90° 40'	-12.4	-21.2		2464.4	TP				
TP <sub>16</sub>			0 00 00												
330	0				+5.1	H.		+5.1	2469.5		TP	0	0	653,888	2,816,656
331	330		161° 30' (117° 44')		9.0	93° 20'	-19.2	-28.2		2441.3		-153	+292	653,735	2,816,948
332	660		164° 20' (120° 34')		8.2	93° 30'	-40.3	-48.5		2421.0		-335	+567	653,553	2,817,223
TP <sub>17</sub>	861	859.4	164° 07' 41"		4.8	93° 30'	-52.5	-57.3			TP	-434	+742	653,454	2,817,398
TP <sub>17</sub>	861		(120° 21' 40")		4.7	266° 30'	-52.5	-57.2		2412.3	TP				
330			0 00 00												
TP <sub>17</sub>	0				+5.1	H.		+5.1	2417.4		TP	0	0	653,454	2,817,398
333	121		221° 45' (162° 07')		5.6	91° 20'	-2.8	-8.4		2409.0		-115	+37	653,339	2,817,435
334	444		227° 44' 35"		9.4	92° -	-15.5	-24.9			TP	-434	+91	653,020	2,817,489
334	444		(168° 06' 15")		8.1	92° 10'	-16.8	-24.9		2392.5	TP				

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9-13-84		B. Catcamp		R. TROWBRIDGE		6834		B.C.W		4		49			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Done 7.5		WASH.		Keno OREILLE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
			Plates → C, D, OS							2392.5					
TP <sub>17</sub>			0 00 00												
334	0				+5.0	H <sub>i</sub>		+5.0	2397.5		π	0	0	653020	2,817,489
335	327		172° 00' (160° 06')		4.3	94°	-22.8	-27.1		2370.4		-307	+111	652,713	2,817,600
TP <sub>18</sub>	466	464.9	166° 42' 00"		5.0	94°	-32.5	-37.5		2360.0	TP	-421	+198	652,599	2,817,687
TP <sub>18</sub>	466		(154° 48' 15")		13.2	93°	-24.4	-37.6			TP				
334			0 00 00												
TP <sub>18</sub>	0				+5.0	H <sub>i</sub>		+5.0	2365.0		π	0	0	652,599	2,817,687
336	179		150° 20' (125° 08')		6.4	94°	-12.5	-18.9		2346.1		-103	+146	652,496	2,817,833
TP <sub>19</sub>	609	607.8	147° 05' 15"		7.0	93° 40'	-38.9	-45.9		2319.1	TP	-321	+516	652,278	2,817,203
TP <sub>19</sub>	609		(121° 53' 30")		5.2	93° 50'	-40.7	-45.9			TP				
TP <sub>18</sub>			0 00 00												
TP <sub>19</sub>	0				+5.05	H <sub>i</sub>		+5.1	2324.2		π	0	0	652,278	2,817,203
337	130		25° 00' (326° 54')		7.0	87°	+6.8	-0.2		2324.0		+109	-71	652,387	2,818,132
338	197		191° 15' (133° 09')		5.7	91° 40'	-5.7	-11.4		2312.8		-135	+144	652,143	2,818,347
339	526		187° 50' 09"		16.4	92° 10'	-19.9	-30.3		2293.9	TP	-336	+404	651,942	2,818,607
339	526		(129° 43' 39")		5.8	92° 40'	-24.5	-30.3			TP				
TP <sub>19</sub>			0 00 00												
339	0				+5.15	H <sub>i</sub>		+5.2	2299.1		π	0	0	651,942	2,818,607
340	330		169° 40' (119° 24')		5.1	93° 30'	-20.1	-25.2		2273.9		-162	+287	651,780	2,818,894
341	660		168° 55' (118° 39')		5.4	93° 30'	-40.3	-45.7		2253.4		-316	+578	651,626	2,819,185

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.13.84		B. Cotnam		R. Trowbridge		6834		B.C.W		4		50			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Zone 7.5'		WASH.		Peru Okline								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 (94.05)						2299.1						
TP <sub>20</sub>	754		169° 09' 07"		6.5	93° 30'	-46.0	-52.5		2246.6	TP	-363	+659	651,579	2,819,266
TP <sub>20</sub>	754		(118° 52' 46")		8.7	93° 20'	-43.8	-52.5			TP				
339			0 00 00												
TP <sub>20</sub>	0				+5.2	Hi		+5.2	2251.8		T	0	0	651,579	2,819,266
342	237		195° 25' (134° 18')		6.7	94° -	-16.5	-23.2		2228.6		-165	+169	651,414	2,819,435
TP <sub>21</sub>	282		193° 41' 09"		6.4	94° -	-19.7	-26.1		2225.7	TP	-190	+207	651,389	2,819,473
TP <sub>21</sub>	282		(132° 33' 55")		5.6	94° 10'	-20.5	-26.1			TP				
TP <sub>20</sub>			0 00 00												
TP <sub>21</sub>	0				+5.2	Hi		+5.2	2230.9		T	0	0	651,389	2,819,473
343	280		142° 10' (94° 44')		8.2	92° -	-9.8	-18.0		2212.9		-23	+279	651,366	2,819,752
344	608		138° 40' (91° 14')		5.8	92° -	-21.2	-27.0		2203.9		-13	+608	651,375	2,820,081
345	938		137° 40' (90° 14')		6.5	92° -	-32.7	-39.2		2191.7		-4	+937	651,385	2,820,410
TF	1213		135° 51' 37" (88° 25' 32')		8.0	92° -	-42.3	-50.3		2180.6	TF	+33	+1212	651,422	2,820,685
346	1266		136° 10' (88° 44')		10.8	92° -	-44.1	-54.9		2176.0		+28	+1265	651,417	2,820,738
TP <sub>22</sub>	1304		136° 03' 53"		10.1	92° -	-45.5	-55.6		2175.5	TP	+31	+1303	651,420	2,820,776
TP <sub>22</sub>	1304		(88° 37' 48")		9.8	268° -	-45.5	-55.3	-55.4		TP				
TP <sub>21</sub>			0 00 00												
TP <sub>22</sub>	0				+5.1	Hi		+5.1	2180.6		T	0	0	651,420	2,820,776
TP <sub>23</sub>	188		181° 38' 35"		6.0	91° 30'	-4.9	-10.9		2169.7	TP	-1	+188	651,419	2,820,964
TP <sub>23</sub>	188		(90° 16' 23")		6.5	91° 20'	-4.4	-10.9			TP				

y = 651.415 x - 2,820,715  
TF T-Intersect

CROSS County L

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
9.13.84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		4		51				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
WASHINGTON		Ione 7.5		WASH.		Pend Oreille								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	X
			Plates → (92105)							2169.7						
TP22			0 00 00													
TP23	0				+5.1	H.		+5.1	2174.8		T	0	0	651419	2820,964	check
TP24	1057	1055.2	179° 17' 39"		10.4	93° 20'	-61.4	-71.8			TP	+8	+1055	651427	2822,021	
TP24	1057		(89° 34' 02")		4.1	266° 20'	-67.6	-71.7		2103.1	TP		+2			
TP23			0 00 00													
TP24	0				+5.5	H.		+5.1	2108.2		T	0	0	651427	2822,021	check
347	954		359° 50' (269° 24')		4.8	86° 48'	+53.3	+48.5		2156.7		-10	-952	651417	2821,069	
348	627		1° 10' (270° 44')		8.3	88° 10'	+20.1	+11.8		2120.0		+8	-827	651435	2821,394	
349	299		4° 46' (274° 14')		7.2	89° 20'	+3.5	-3.7		2104.5		+22	-298	651449	2821,723	offset between 349+350
71	41		77° 48' 03" (347° 22')		4.8	91° 26'	-1.0	-5.8		2102.4		+40	-93	651467	2822,012	
TP25	1466		268° 03' 31"		8.2	89° 40'	+8.6	+0.7	+0.5	2108.7	TP	-1465	+61	649962	2822,084	
TP25	1466		(177° 37' 33")		7.9	270° 20'	+8.6	+0.7			TP		+2			
TP24			0 00 00													
TP25	0				+5.2	H.		+5.2	2113.9		T	0	0	649962	2822,084	
Bm	139		341° 52' 17" (339° 29' 50")		4.3	-		-4.3		2109.6		+130	-49	650092	2822,035	y = 650,090 x = 2822,030 U.S.G.S. 79-RBR 1966 E1 2109.6 Reset 1967.
TP26	1136		180° 53' 16"		9.3	90° 20'	-6.6	-15.9	+5.8	2098.1	TP	-1136	+29	648828	2822,115	
TP26	1136		(178° 30' 49")		9.0	269° 40'	-6.6	-15.6			TP		+2			
TP25			0 00 00													
TP26	0				+5.2	H.		+5.2	2103.3		T	0	0	648828	2822,115	
350	82		110° 50' (69° 21')		7.2	-		-7.2		2096.1		-27	+77	648801	2822,192	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.13.84		B. Cotcamp		R. TRUMBRIOR		6834		B. DW		4		52			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Ione 75'		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		Y
			photos & circles						2103.3						
TP <sub>27</sub>	136		101° 33' 32"		5.5	-		-5.5		2097.8	TP	-24	+134	648,805	2,822,251
TP <sub>27</sub>	136		(100° 04' 21")		6.2	TH	+0.7	-5.5			TP	+1	+2		
TP <sub>26</sub>			0 00 00												
TP <sub>27</sub>	0				+5.05	H.		+5.0	2102.8		T	0	0	648,805	2,822,251
351	272		170° 00' (90° 04')		9.1	91°	-4.7	-13.8		2089.0		+0	+272	648,805	2,822,523
TP <sub>28</sub>	505		166° 19' 45"		6.0	90° 30'	-4.4	-10.4		2092.4	TP	+32	+504	648,838	2,822,757
TP <sub>28</sub>	505		(86° 24' 06")		5.9	269° 30'	-4.4	-10.3			TP	+1	+2		
TP <sub>27</sub>			0 00 00												
TP <sub>28</sub>	0				+5.0	H.		+5.0	2097.4		T	0	0	648,838	2,822,757
352	83		188° 20' (91° 44')		6.0	94° 10'	-6.0	-12.0		2085.4		-7	+83	648,831	2,822,840
TP <sub>29</sub>	551		181° 42' 14"		5.0	91° 36'	-15.4	-20.4		2077.0	TP	+18	+550	648,855	2,823,309
TP <sub>29</sub>	551		(88° 06' 20")		6.0	91° 30'	-14.4	-20.4			TP	+1	+2		
TP <sub>28</sub>			0 00 00												
TP <sub>29</sub>	0				+5.05	H.		+5.0	2082.0		T	0	0	648,857	2,823,309
353	149		3° 50' (271° 56')		4.8	103° 08'	-33.9	-38.7		2043.3		+5	-145	648,862	2,823,164
354	179		179° 10' (87° 16')		4.8	89° 58'	+0.1	-4.7		2077.3		+9	+179	648,866	2,823,488
TP <sub>30</sub>	380		178° 38' 58"		4.7	-		-4.7		2077.3	TP	+22	+379	648,880	2,823,690
TP <sub>30</sub>	380		(86° 45' 18")		6.6	TH	+1.9	-4.7			TP	+1	+2		
TP <sub>29</sub>			0 00 00												
TP <sub>30</sub>	0				+4.95	H.		+4.9	2082.2		T	0	0	648,880	2,823,690

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.13.84		B. Cotcamp		R. Trowbridge		6834		B.C.W		4		53			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		ZONE - 7 1/2		WASH.		Kendallville								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 (9/105)						2082.2						
355	126		180° 45' (87° 30')		4.5	-		-4.5		2077.7		+ 6	+126	648,886	2,823,816
356	456		180° 20' (87° 05')		6.4	89° 20'	+5.3	-1.1		2081.1		+23	+455	648,903	2,824,145
TP <sub>31</sub>	680		180° 35' 53"		4.2	88° 20'	+19.8	+15.6		2097.8	TP	+31	+679	648,912	2,824,371
TP <sub>31</sub>	680		(87° 21' 11")		6.2	88° 10'	+21.8	+15.6			TP	+1	+2		
TP <sub>30</sub>			0 00 00												
TP <sub>31</sub>	0				+5.05	Hi		+5.0	2102.8		T	0	0	648,912	2,824,371
357	105		182° 10' (89° 31')		8.5	89° 30'	+0.9	-7.6		2095.2		+ 1	+105	648,913	2,824,476
358	434		183° 54' 30"		4.5	-		-4.5		2098.3	TP	-10	+434	648,963	2,824,807
358	434		(91° 15' 41")		6.7	TH	+2.2	-4.5			TP	+1	+2		BACK ON ROAD
TP <sub>31</sub>			0 00 00												
358	0				+5.2	Hi		+5.2	2103.5		T	0	0	648,903	2,824,807
359	330		176° 30' (87° 46')		7.9	92° 40'	-15.4	-23.3		2080.2		+13	+329	648,976	2,825,136
#	629		175° 30' 24" (86° 46' 05")		6.7	92° -	-21.9	-28.6		2074.9	#	+35	+628	648,938	2,825,435
360	660		176° 30' (87° 46')		6.7	92° -	-23.0	-29.7		2073.8		+ 26	+659	648,929	2,825,466
361	990		" " ( " " )		7.3	91° -	-17.3	-24.6		2078.9		+ 39	+989	648,942	2,825,796
362	1318		176° 00' 23" (87° 14' 23")		6.7	90° 30'	-11.5	-18.2		2085.3	TP	+63	+1316	648,967	2,826,125
362	1318		(87° 16' 04")		6.6	269° 30'	-11.5	-18.1			TP	+1	+2		SUNSHOT TAKEN @ THIS T.P. (87° 14' 23") SURVEYED (87° 16' 04")
358			0 60 00												(1' 41")
<del>362</del>	0				*	*					T	0	0	648,967	2,826,125

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.14.84		B. Cotcamp		R. TROWBRIDGE		6834		B.C.W		4		54			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		TONE-7 1/2'		WASH.		Peno OREILLE								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
358			plates - (grips)							2085.3					
362	0				+ 5.2	4.		+ 5.2	2090.5		T	0	0	648967	2826,125
363	330		164° 10' (71° 24')		4.3	74	+1.7	-2.6		2087.9		+ 105	+ 313	649,072	2826,438
364	660		163° 25' (70° 39')		6.0	74	+3.3	-2.7		2087.8		+ 219	+ 623	649,186	2826,748
365	990		" " (-)		8.3	89° 20'	+11.5	+3.2		2093.7		+ 328	+ 934	649,295	2827,059
366	1320		" " (-)		9.2	89° 20'	+15.4	+6.2		2096.7		+ 437	+ 1245	649,404	2827,370
TP	1702		160° 32' 36"		10.9	89° 40'	+10.0	-0.9		2089.6	TP	+ 644	+ 1576	649,612	2827,702
TP	1702		(67° 46' 59")		10.8	270° 20'	+10.0	-0.8			TP	+1	+1		
362			0 00 00												
TP	0				+ 5.15	4.		+ 5.1	2094.7		T	0	0	649,612	2827,702
367	105		302° 20' (190° 07')		4.8	90° 22'	-0.7	-5.5		2089.2		-103	-18	649,509	2827,684
TK	91		313° 20' 05" (201° 07' 04")		4.8	90° 12'	-0.3	-5.1		2089.6		-85	-33	649,527	2827,669
368	216		133° 36' (21° 17')		7.2	87° 20'	+10.1	+2.9		2097.6		+ 201	+ 78	649,913	2827,780
369	550		132° 00' 53"		3.5	88° -	+19.2	+15.7		2110.4	TP	+ 517	+ 186	650,130	2827,888
369	550		(19° 47' 52")		13.0	87° -	+28.8	+15.8			TP	+1			Access STA.
TP			0 00 00												
369	0				+ 5.2	4.		+ 5.2	2115.6		T	0	0	650,130	2827,888
370	330		198° 00' (37° 41' 52")		4.6	87° -	+17.3	+12.7		2128.3	H	+ 260	+ 202	650,390	2828,090
371	660		198° 10' (37° 58')		6.2	86° 30'	+40.3	+34.1		2149.7		+ 519	+ 405	650,649	2828,293
372	990		" " (-)		6.7	86° 30'	+60.5	+53.8		2169.4		+ 719	+ 608	650,909	2828,496

Y-649,520  
X-2827,680

Y-650,390  
X-2828,090  
Hz. Corr. Y=11  
X=21

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.14.84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		4		55			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASH.		ZONE-7 1/2'		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS & TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			PLATES → (92105)						2115.6						
TP <sub>2</sub>	1128	1125.9	198° 07' 00"		8.6	86° 30'	+68.9	+60.3		2175.9	TP	+888	+692	651,018	2,828,580
TP <sub>2</sub>	1128		(37° 54' 52")		8.5	273° 30'	+68.9	+60.4			TP				
369			0° 00' 00"												
TP <sub>2</sub>	0				+5.05	H.		+5.0	2180.9		TP	0	0	651,018	2,828,580
373	208		220° 05' (78° 00')		6.8	87° -	+10.9	+4.1		2185.0		+43	+203	651,061	2,828,783
374	537		220° 55' (78° 50')		8.0	87° -	+28.1	+20.1		2201.0		+104	+526	651,122	2,829,106
375	867	865.8	221° 25' (79° 20')		8.9	87° -	+45.4	+36.5		2217.4		+160	+851	651,178	2,829,431
376	1197	1195.4	221° 30' (79° 25')		10.2	87° -	+62.7	+52.5		2233.4		+226	+1175	651,238	2,829,755
377	1527	1524.9	221° 40' (79° 35')		11.9	87° -	+80.0	+68.1		2249.0		+276	+1500	651,294	2,830,080
378	1857	1854.5	221° 51' 09"		8.3	87° -	+97.3	+89.0		2270.0	TP	+329	+1825	651,347	2,830,405
378	1857		(79° 46' 01")		8.0	273° -	+97.3	+89.3			TP				
TP <sub>2</sub>			0° 00' 00"												
378	0				+5.35	H.		+5.3	2275.3		TP	0	0	651,347	2,830,405
B.M.	37		241° 03' 35" (140° 49' 36")		2.2	93° -	-2.0	-4.2		2271.1	B.M.	-30	+25	651,317	2,830,430
379	330		180° 35' (80° 21')		7.4	85° -	+28.8	+21.4		2296.7		+55	+324	651,902	2,830,729
380	660		179° 20' (79° 06')		9.8	85° -	+57.5	+47.7		2323.0		+124	+646	651,471	2,831,051
381	989		178° 35' (78° 21')		9.2	85° -	+86.2	+77.0		2352.3		+199	+965	651,546	2,831,370
382	1318		178° 15' (78° 01')		6.3	85° -	+114.9	+108.6		2383.9		+273	+1284	651,620	2,831,689
383	1647		178° 00' (77° 46')		7.3	84° 50'	+148.4	+141.1		2416.4		+348	+1603	651,695	2,832,008

U.S.G.S.  
181 Fmk 1967 EL  
Y-651,305  
X-2,830,435

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.14.84		B. Cotcamp		R. Trowbridge		6834		B.C.W		4		56			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		TONE - 7 1/2'		WASH.		Pend OREILLE								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
			PLATES → (92.05)						2275.3						
TP <sub>3</sub>	1986	1977.9	178° 23' 00"		5.0	84° 50'	+178.9	+173.9	TP40	2449.3	TP	+406	+1936	651,753	2,832,341
TP <sub>3</sub>	1986		(78° 09' 01")		10.6	275° 20'	+184.7	+174.1			TP				
378			0 00 00												
TP <sub>3</sub>	0				+5.1	H.		+5.1		2454.4	T	0	0	651,753	2,832,341
384	31		298° 05' (196.14)		6.3	91° -	-0.5	-6.8		2447.6		-30	-9	651,723	2,832,332
TP <sub>3</sub> 385	344		232° 31' 21"		5.5	87° -	+18.0	+12.5		2466.9	TP	-224	+261	651,529	2,832,602 Access STA.
TP <sub>4</sub> 385	344		(130° 40' 22")		4.5	87° 10'	+17.0	+12.5			TP				
TP <sub>3</sub>			0 00 00												
385	0				+5.0	H.		+5.0		2471.9		0	0	651,529	2,832,602
386	333		214° 10' (164° 50')		5.8	-		-5.8		2466.1		-321	+87	651,208	2,832,689
TP <sub>4</sub>	522		211° 55' 16"		4.3	90° 40'	-6.1	-10.4		2461.5	TP	-498	+156	651,031	2,832,758
TP <sub>4</sub>	522		(162° 35' 38")		4.2	269° 20'	-6.1	-10.3			TP				
385			0 00 00												
TP <sub>4</sub>	0				+5.2	H.		+5.2		2466.7	T	0	0	651,031	2,832,758
387	140		164° 25' (147° 01')		9.2	-		-9.2		2457.5		-117	+76	650,914	2,832,834 Y-650,810 X-2,832,976 El. 2454
TP	238		154° 02' 50" (136° 38' 28")		11.6	-		-11.6		2455.1		-173	+163	650,858	2,832,921
388	449		143° 30' 58"		4.0	91° -	-7.8	-11.8		2454.9	TP	-265	+363	650,766	2,833,121
388	449		(126° 06' 36")		2.7	91° 10'	-9.1	-11.8			TP				
TP <sub>4</sub>			0 00 00												
388	0				+5.35	H.		+5.3		2460.2	T	0	0	650,766	2,833,121

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.14.84		B. Cotcamp		R. TROWBRIDGE		6834		BCW		4		57			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Scotchman Lake		WASH.		Peno OREINE								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
									2460.2						
389	330		155° 05' (101° 12')		4.8	89° -	+5.8	+1.0		2461.2		-64	+324	650702	2833.445
390	660		154° 40' (100° 47')		6.3	88° 50'	+13.4	+7.1		2467.3	IF	-123	+648	650643	2833.769
IF	697		152° 45' 00" (98° 51' 36")		6.9	88° 50'	+14.2	+7.3		2467.5		-107	+689	650659	2833.810 Y-650665 X-2833800
TPs	817		152° 09' 23"		7.4	89° -	+14.3	+6.9			TP	-117	+808	650649	2833.929
TPs	817		(98° 15' 59")		5.1	89° 10'	+11.9	+6.8		2467.0	TP				
388			0 00 00												
TPs	0				+5.3	H.		+5.3	2472.3		T	0	0	650649	2833.929
391	170		169° 12' (87° 28')		7.2	-		-7.2		2465.1		+8	+170	650657	2834.099
392	500		- - (- -)		7.8	-		-7.8		2464.5		+22	+500	650671	2834.429
393	830		- - (- -)		8.1	TH	+4.2	+3.9		2468.4		+37	+829	650686	2834.758
394	1158		168° 07' (86° 23')		7.8	89° 30'	+10.1	+2.3		2474.6		+73	+1156	650722	2835.085
Bm	1245		165° 11' 31" (83° 27' 30")		6.8	89° 30'	+10.9	+4.1		2476.4	Bm	+142	+1237	650791	2835.166 Y-650745 X-2835155
395	1476		164° 15' 07"		5.3	89° 20'	+17.2	+11.9		2484.3	TP	+192	+1463	650841	2835.392
395	1476		(82° 31' 06")		5.0	270° 40'	+17.2	+12.2	+12.0		TP				
TPs			0 00 00												
395	0				+5.3	H.		+5.3	2489.6		T	0	0	650841	2835.392
396	330		164° 10'		7.0	88°	+11.5	+4.5		2494.1	TP	+132	+302	650973	2835.674
396	330		163° 56' 09" (62° 27' 15")		6.0	88° 10'	+10.6	+4.6			TP				
395			0° 00 00												
396	0				+5.2	H.		+5.2	2499.3		T	0	0	650973	2835.674

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.14.84		B. Cotcamp		R. Trowbridge		6834		B.C.W.		4		58			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Scotchman Lake 7.5		WASH.		Keno OREILLE								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 → (grid)						2499.3						
397	329		165° 20' (51° 41')		7.4	88° 40'	+77	+0.3		2499.6		+ 203	+258	651,176	2,835,952
398	659		163° 20' (49° 47')		10.1	88° 40'	+153	+52		2504.5		+ 425	+503	651,398	2,836,197
399	988		162° 25' (48° 52')		12.9	88° 40'	+23.0	+10.1		2509.4		+ 650	+744	651,623	2,836,438
400	1318		162° 10' (48° 37')		8.1	89° -	+23.0	+14.9		2514.2		+ 871	+989	651,844	2,836,683
401	1648		162° 00' (48° 21')		7.1	89° -	+28.8	+21.7		2521.0		+ 1093	+1233	652,066	2,836,927
TP <sub>1</sub>	1746		161° 49' 24"		6.8	89° -	+30.5	+23.7		2523.1	TP	+1162	+1303	652,135	2,836,977
TP <sub>2</sub>	1746		(48° 16' 39")		6.5	271° -	+30.5	+24.0			TP				
396			0 00 00												
TP <sub>3</sub>	0				+5.3	Mi		+5.3	2528.4		π	○	○	652,135	2,836,977
402	231		172° 10' (40° 21')		6.5	88° 20'	+6.7	+0.2		2528.6		+ 176	+150	652,311	2,837,147
403	558		165° 10' (33° 27')		8.7	88° 20'	+16.2	+7.5		2535.9		+ 465	+307	652,600	2,837,304
404	892		164° 42' 28"		9.8	88° 20'	+26.0	+16.2		2544.6	TP	+748	+485	652,883	2,837,482
404	892		(32° 59' 07")		7.2	88° 30'	+23.4	+16.2			TP				
TP <sub>3</sub>			0 00 00												
404	0				+5.1	Mi		+5.1	2549.7		π	○	○	652,883	2,837,482
405	332		205° 35' (58° 34')		7.4	88° -	+11.6	+4.2		2553.9		+ 173	+283	653,056	2,837,765
406	661		204° 40' (57° 39')		8.1	88° 20'	+19.2	+11.1		2560.8		+ 354	+558	653,237	2,838,040
407	991		204° 53' 28"		7.2	88° 30'	+26.0	+18.8		2568.6	TP	+527	+839	653,410	2,838,321
407	991		(57° 52' 35")		7.0	271° 30'	+26.0	+19.0			TP				

ACCESS STA.

652,810 2,837,400

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	9.14.84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. TROWBRIDGE	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	4	PAGE	59	
AREA	WASHINGTON	TOPO MAP	Scotchman Lake	STATE	WASH.	COUNTY	Pend Oreille	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.	
			Plat 1805 - 7 (92.05)							2568.6				
404			0 00 00											
407	0				+ 5.15	M.		+ 5.1	2573.7		TP	0	0	653,410 2,838,324
408	330		187° 48' (65° 40')		8.2	88°	+ 11.5	+ 3.3		2577.0		+ 136	+ 301	653,546 2,838,622
409	660		- - (-)		8.9	88°	+ 230	+ 14.1		2587.8		+ 272	+ 601	653,682 2,838,922
410	990		- - (-)		9.5	87° 30'	+ 43.2	+ 33.7		2607.4		+ 408	+ 901	653,818 2,839,222
411	1320		- - (-)		5.0	87° 30'	+ 52.6	+ 52.6		2626.3		+ 543	+ 1202	653,953 2,839,523
TP	1522	1520.7	186° 27' 43"		5.1	87° 40'	+ 62.0	+ 56.9	2630.7		TP	+ 659	+ 1371	654,069 2,839,692
TP	1522		(61° 20' 18")		9.2	272° 30'	+ 66.4	+ 57.2			TP			
407			0 00 00											
TP	0				+ 5.1	M.		+ 5.1	2635.8		TP	0	0	654,069 2,839,692
412	123		151° 50' (36° 16')		5.8	-	- 5.8			2630.0		+ 99	+ 73	654,168 2,839,765
413	451		144° 30' (28° 50')		9.8	-	- 9.8			2626.0		+ 395	+ 218	654,464 2,839,910
414	780		142° 55' (27° 15')		5.0	-	- 5.0			2630.8		+ 693	+ 357	654,762 2,840,049
415	1107		140° 34' 12"		7.7	89° 30'	+ 9.7	+ 2.0		2637.9	TP	+ 1004	+ 466	655,073 2,840,158
415	1107		(24° 54' 30")		7.4	270° 30'	+ 9.7	+ 2.3			TP			
TP			0 00 00											
415	0				+ 4.85	M.		+ 4.8	2642.7		TP	0	0	655,073 2,840,158
Bm	596		355° 02' 27" (199° 56' 57")		5.8	91° 30'	- 15.6	- 21.4		2621.3		- 560	- 203	654,513 2,839,955
416	330		169° 40' (14° 35')		5.9	88° 20'	+ 9.6	+ 3.7		2646.4		+ 319	+ 83	655,352 2,840,241
417	658		172° 10' (17° 05')		4.0	88° 40'	+ 15.3	+ 11.3		2654.0		+ 629	+ 193	655,702 2,840,351

Y-654,410  
X-2,839,930 E12621

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.14.84		B. Cotcamp		R. Trowbridge		6834		B.C.W		4		60			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Scotchman Lake 7.5		WASH.		Penna ORieve								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
									2642.7						
418	988		173° 40' (18° 35')		4.8	88° 40'	+23.0	+18.2		2660.9		+936	+315	656,009	2,840,473
419	1317		174° 43' 46"		6.9	88° 30'	+34.5	+27.6		2670.4	TP	+1240	+442	656,313	2,840,600
419	1317		(19° 38' 16")		6.6	271° 30'	+34.5	+27.9			TP				
415			0 00 00												
419	0				+5.45	Hi		+5.4		2675.8	TP	0	0	656,313	2,840,600
420	330		194° 45' (34° 23')		5.6	88° -	+11.5	+5.9		2681.7		+272	+186	656,585	2,840,786
421	660		- - (- -)		6.9	88° -	+23.0	+16.1		2691.9		+544	+372	656,857	2,840,972
422	990		- - (- -)		7.8	88° -	+34.6	+26.8		2702.6		+817	+559	657,130	2,841,159
423	1320		- - (- -)		8.7	88° -	+46.1	+37.4		2713.2		+1089	+745	657,402	2,841,345
424	1652	1651.0	194° 50' 22"		9.6	88° -	+57.7	+48.1		2723.9	TP	+1361	+935	657,674	2,841,535
424	1652		(34° 28' 38")		9.5	272° -	+57.7	+48.2			TP				
419			0 00 00												
424	0				+5.0	Hi		+5.0		2728.9	TP	0	0	657,674	2,841,535
425	332		198° 50' (53° 19')		4.8	86° 44'	+18.9	+14.1		2743.0		+198	+266	657,872	2,841,801
TP	581	580	198° 17' 29" (52° 46' 07")		1.4	86° 44'	+33.1	+31.7		2760.6	TP	+351	+462	658,025	2,841,997
TP	581				3.8	86° 30'	+35.5	+31.7			TP				
424			0 00 00												
TP	0				+5.0	Hi		+5.0		2765.6	TP	0	0	658,025	2,841,997
426	88		207° 30' (80° 16')		6.2	86° 20'	+56	-0.6		2765.0		+15	+87	658,040	2,842,084
427	415		197° 30' (70° 16')		5.9	86° 20'	+26.5	+20.6		2786.2		+140	+390	658,165	2,842,387

Scot. Lake  
Metaline Falls  
Across 572

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.17.84		B. Cotcamp		R. Trowbridge		6834		B.C.W		4		61			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Metcaline Falls S		WASH.		Pend Oreille								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
			notes → (y/ies)						2765.6						
428	745	743.9	197° 03' 58"		5.1	86° 50'	+41.2	+36.1		2801.7	TP	+256	+698	658,281	2842,695
428	745		(69° 50' 05")		7.2	86° 40'	+43.3	+36.1			TP				
TP			0 00 00												
428	0				+5.15	M.		+5.1	2806.8		TP	0	0	658,281	2842,695
429	330		166° 00' (55° 50')		6.7	89° -	+5.8	-0.9		2805.9		+185	+273	658,466	2842,968
430	655		168° 30' (58° 20')		4.8	89° 38'	+4.2	-0.6		2806.2		+344	+557	658,625	2843,252
431	971		175° 38' 59"		9.0	89° -	+17.0	+8.0		2814.8	TP	+403	+883	658,684	2843,578
431	971		(65° 29' 04")		8.9	211° -	+17.0	+8.1			TP				
428			0 00 00												
431	0				+5.15	M.		+5.1	2819.9		TP	0	0	658,684	2843,578
432	330		194° 07' (79° 36')		6.4	87° 30'	+14.4	+8.0		2827.9		+60	+324	658,744	2843,902
433	660		- - (- -)		7.7	87° 30'	+28.8	+21.1		2841.0		+119	+649	658,803	2844,227
IF	931	933.1	193° 29' 28" (78° 58' 32")		8.0	87° 30'	+40.8	+32.8		2852.7	IF	+178	+916	658,862	2844,494
434	990		194° 07' (79° 36')		8.1	87° 30'	+43.2	+35.1		2855.0		+179	+973	658,863	2844,551
435	1320		193° 45' (79° 14')		7.8	87° 20'	+61.4	+53.6		2873.5		+246	+1295	658,930	2844,873
TP <sub>2</sub>	1672	1670	191° 01' 58"		6.6	87° 10'	+82.7	+76.1		2896.0	TP	+389	+1624	659,073	2845,202
TP <sub>2</sub>	1672		(76° 31' 02")		6.5	272° 50'	+82.7	+76.2			TP				
431			0 00 00												
TP <sub>2</sub>	0				+5.2	M.		+5.2	2901.2		TP	0	0	659,073	2845,202
436	32		343° 00' (239° 31')		5.8	93° -	-1.7	-7.5		2893.7		-16	-28	659,057	2845,174

Y=658,865  
X=2,844,510

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.17.84		B. Cotcamp		R. Trowbridge		6834		B.C.W		4		62			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Washington		Metaline Falls 25		WASH.		Pend Oreille								L.O. Davis	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
			Plates → (geoids)						2901.2						
437	297		156° 35' (53° 06')		6.4	86° -	+20.7	+14.3		2915.5		+178	+237	659,251	2,845,439
438	626	624.8	154° 00' (50° 31')		6.4	86° 30'	+38.2	+31.8		2933.0		+397	+482	659,470	2,845,684
TP <sub>3</sub>	715	713.7	153° 23' 20"		9.5	86° 30'	+43.7	+34.2		2935.4	TP	+460	+546	659,533	2,845,748
TP <sub>3</sub>	715		(49° 54' 22")		7.3	86° 40'	+41.6	+34.3			TP				
TP <sub>2</sub>			0 00 00												
TP <sub>3</sub>	0				+5.25	M.		+5.2	2940.6		π	0	0	659,533	2,845,748
439	241		178° 00' (47° 54')		6.9	-		-6.9		2933.7		+162	+179	659,695	2,845,927
440	571		" " (-)		9.8	91° -	-10.0	-19.8		2920.8		+383	+424	659,916	2,846,172
TP <sub>4</sub>	841		178° 04' 48"		5.7	91° 20'	-19.6	-25.3		2915.3	TP	+563	+625	660,096	2,846,373
TP <sub>4</sub>	841		(47° 59' 10")		8.1	91° 10'	-17.1	-25.2			TP				
TP <sub>3</sub>			0 00 00												
TP <sub>4</sub>	0				+5.05	M.		+5.0	2920.3		π	0	0	660,096	2,846,373
441	70		221° 35' (89° 34')		5.9	91° -	-1.2	-7.1		2913.2		+1	+70	660,097	2,846,443
442	397		216° 44' 55"		1.9	91° -	-6.9	-8.8		2911.5	TP	+36	+395	660,132	2,846,768
442	397		(84° 44' 05")		8.8	-		-8.8			TP				
TP <sub>4</sub>			0 00 00												
442	0				+5.2	M.		+5.2	2916.7		π	0	0	660,132	2,846,768
443	330		186° 15' (90° 59')		8.9	89° 10'	+4.8	-4.1		2912.6		-6	+330	660,126	2,847,098
444	660		" " (-)		7.0	89° 10'	+9.6	+2.6		2919.3		-11	+660	660,21	2,847,428
Bm	729		187° 52' 14" (92° 36' 19")		5.8	89° 10'	+10.6	+4.8		2921.5	Bm	-33	+728	660,099	2,847,496

Y-660,075 E1,2921.4  
X-2,847,490

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.17.84		B. Cotcamp		R. Trowbridge		6834		B. N. W.		4		63			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Metaline Falls		WASH.		Pend Oreille								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
									2916.7						
445	989		185° 21' 36"		7.0	89° 10'	+14.4	+7.4			TP	-2	+989	660130	2,847.757
445	989		(90° 05' 41")		10.0	89° -	+17.3	+7.3		2924.0	TP				
442			0 00 00												
445	0				+5.1	Mi		+5.1	2929.1		TP	0	0	660130	2,847.757
446	330		163° 35' (73° 41')		7.9	91° -	-5.8	-13.7		2915.4		+93	+317	660223	2,848,074
447	660		- - (- -)		6.7	91° 40'	-19.2	-25.9		2903.2		+185	+633	660315	2,848,390
448	990		- - (- -)		8.7	91° 40'	-28.8	-37.5		2891.6		+278	+950	660408	2,848,707
449	1320		- - (- -)		8.1	91° 40'	-38.4	-46.5		2882.6		+371	+1266	660501	2,849,023
450	1648	1647.3	162° 55' 40"		7.3	91° 40'	-47.9	-55.2		2873.9	TP	+481	+1576	660611	2,849,333
450	1648		(73° 01' 21")		7.2	268° 20'	-47.9	-55.1			TP				
445			0 00 00												
450	0				+5.2	Mi		+5.2	2879.1		TP	0	0	660611	2,849,333
451	330		161° 45' (54° 46')		7.8	90° 30'	-2.9	-10.7		2868.4		+190	+270	660801	2,849,603
452	660		- - (- -)		9.1	90° 30'	-5.8	-14.9		2864.2		+381	+539	660992	2,849,872
453	990		- - (- -)		5.7	90° 30'	-8.6	-14.3		2864.8		+571	+809	661182	2,850,142
454	1320		- - (- -)		7.1	89° 50'	+3.9	-3.2		2875.9		+762	+1078	661373	2,850,411
455	1648		161° 03' 58"		3.5	89° 50'	+4.8	+1.3		2880.5	TP	+967	+1335	661578	2,850,668
455	1648		(54° 05' 19")		3.3	270° 0'	+4.8	+1.5			TP				
450			0 00 00												
455	0				+5.0	Mi		+5.0	2885.5		TP	0	0	661578	2,850,668

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
9.17.84		B. Cotcamp		R. Trowbridge		6834		B.C.W		4		64			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
WASHINGTON		Metaline Falls 2.5		WASH.		Pend Oreille								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 4 (92103)						2885.5						
456	330		174° 45' (48° 50')		8.8	91° -	-5.8	-14.6		2870.9		+ 217	+248	661,995	2,850,916
457	660		" " (-)		12.7	91° 08'	-13.0	-25.7		2859.8		+ 434	+497	662,012	2,851,165
458	990		" " (-)		7.8	91° 08'	-19.6	-27.4		2858.1		+ 652	+745	662,230	2,851,413
459	1316.5		172° 18' 29"		7.0	91° -	-22.9	-29.9		2855.6	TP	+907	+953	662,485	2,851,621
459	1316		(46° 23' 48")		6.9	269° -	-22.9	-29.8			TP				
455			0° 00' 00"												
459	0				+5.3	H.		+5.3	2860.9		T	0	0	662,485	2,851,621
460	330		173° 12' 10"		8.1	91° 20'	-7.7	-15.8		2845.1	TP	+254	+210	662,739	2,851,831
460	330		(39° 35' 58")		8.0	268° 40'	-7.7	-15.7			TP				
459			0° 00' 00"												
460	0				+5.25	H.		+5.2	2850.3		T	0	0	662,739	2,851,831
461	330		191° 05' (50° 41')		9.7	92° -	-11.5	-21.2		2829.1		+ 209	+255	662,948	2,852,086
462	659		192° 05' (51° 41')		5.7	93° -	-34.5	-40.2		2810.1		+ 408	+516	663,147	2,852,347
TP	923	921.6	189° 37' 16"		8.1	93° -	-48.3	-56.4		2793.9	TP	+602	+698	663,341	2,852,529
TP	923		(49° 13' 14")		5.4	93° 10'	-51.0	-56.4			TP				
460			0° 00' 00"												
TP	0				+5.15	H.		+5.1	2799.0		T	0	0	663,341	2,852,529
463	62		154° 15' (23° 28')		6.3	93° -	-3.2	-9.5		2789.5		+ 57	+25	663,398	2,852,554
464	389		141° 30' (10° 43')		10.9	93° -	-20.4	-31.3		2767.7		+382	+72	663,723	2,852,601
IF	454		138° 43' 51" (09° 57' 05")		11.4	93° -	-23.8	-35.2		2763.8		+449	+63	663,790	2,852,592

E.O.L. Line #4  
 Y-663,775  
 X-2,852,110

SURVEY NOTES-HIGH RESOLUTION DATA

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Geosource Inc.

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DATE	9-17-84	INSTRUMENT MAN	B. Cotcamp	ROD MAN	R. Trowbridge	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W.	LINE NO.	4	PAGE	65	
AREA	Washington	TOPO MAP	Metaline Falls 25'	STATE	WASH.	COUNTY	Pend Oreille	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.	
									2799.0					
TP <sub>1</sub>	961	959.4	138° 42' 58"		8.0	93° 20'	-55.9	-63.9		2735.1	TP	+950	+132	664291 2852661
TP <sub>2</sub>	961		(07° 56' 12")		10.8	93° 16'	-53.1	-63.9			TP			
TP			0 00 00											
TP <sub>2</sub>	0				+5.15	41		+5.1	2740.2		T	0	0	664291 2852661
Bm	847		193° 35' 50"		5.8	90° 30'	-7.4	-13.2		27270	Bm	+788	+311	665079 2852972
Bm	847		(21° 32' 02")		5.7	269° 30'	-7.4	-13.1			Bm			El. 2727.0