

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHEGUK MTN. STATE/COUNTY AK. BOOK NO. 2 PAGE 239 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 23 BY 3 MO 79 YR \_\_\_\_\_  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						ELEVATION		LR OR DI	HORIZONTAL RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ										
1	⊙	609/630			TAKE -				1175.5		RE: PAGE 237	1	IRON - PIPE.	
2		SP. 4										2	1189.5	
3												3		
4	Δ		0		-	5.2		+ 5.2	1200.7			4		
5		3	880		92-25-50	4.0		- 41.3	1159.4		W.	5		
6		2	1760		91-36-50	4.0		- 53.5	1147.2		W.	6		
7		1	2640		91-30-15	4.0		- 73.3	1127.4		W.	7	FIRST SP.	
8												8	WEST - END.	
9		5	820		87-10	5.5		+ 37.9	1238.6		E.	9		
10	⊙	6	1760		86-50	4.3		+ 92.8	1293.5			10	1287.6	
11	Δ		1760		94-30	12.5		+ 150.2	1443.7			11		
12		7	880		95-00	3.7		- 80.1	1363.6		W	12		
13		8	0		-	5.2			1438.5		-	13		
14		9	820		85-00	4.5		+ 71.9	1515.6		E	14		
15	⊙	10	1760		84-50	9.2		+ 148.6	1592.3			15	1587.3	
16												16		
17												17		

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WORKED BY L. D. L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
**SYMBOLS**    Δ = BACKSIGHT    ⊕ = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES





















GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 240 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 24 DY 3 MO 77 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						ELEVATION		L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ										
1	⊙	10.							1592.3			1		
2	Δ		2640		77-20	6.9	+ 341.1	1933.4				2		
3	SS		✓		262-50	14.3	+ 341.1					3		
4		11.	1760		98-30	5.0	- 262.3		1671.1			4		
5		12.	200		99-40	13.2	- 158.9		1774.5	W		5		
6		13.	0		-	5.2			1928.2	-		6	Rock	
7	⊙	TP.	720		20-40	10.7	+ 104.5		2037.9	E.		7	RIDGE, 2037.0	
8												8		
9	Δ		567		93-00	9.8	+ 39.4	2077.3				9		
10		14.	402		92-00	13.6	- 27.6		2049.7	W		10		
11		TP.	0		-	5.2			2072.1	-		11		
12	⊙		310		90-30	13.0	- 15.7		2061.6	E.		12	2060.8	
13	Δ		770		92-20	2.2	- 73.6	1768.0				13		
14		15	600		92-20	6.4	+ 72.9		2040.9	W		14		
15			0		-	5.2			1962.8	-		15		
16		12	200		99-00	14.6	- 57.9		1910.1	E.		16		
17												17		

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**SYMBOLS**    Δ = BACKSIGHT    ⊕ = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT





# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 241 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 24 BY 3 MO 77 YR \_\_\_\_\_  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE	LINE
			SLOPE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ					INST	ROD			
1									1968.0			1	
2		17.	111.0		99-10	12.2	-194.1		1773.4			2	1769.2
3			025		01-05	6.2	-121.3	1652.1				3	
4			0		-	5.2			1646.9			4	
5		18.	55.		-	14.4			1637.7			5	RAVINE
6		19.	930		07-05	4.7	+43.7		1676.0			6	1690.2
7			000		03-10	13.0	+61.5	1757.5				7	
8		20.	0		-	5.0			1752.5			8	
9		21	000		01-30	11.3	+42.3		1799.8			9	1794.2
10			1045		02-30	7.7	+53.2	1853.0				10	
11		22.	165		02-30	10.4	-17.8		1835.2			11	
12			0		-	5.2			1847.8			12	
13		23.	715		07-30	7.4	+23.8		1876.8			13	
14			000		07-30	11.4	+26.7		1879.9			14	1874.4
15												15	
16												16	
17												17	

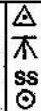








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SYMBOLS  = BACKSIGHT  = INSTRUMENT SET-UP  = SIDESHOT  = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHEGUK MTN. STATE/COUNTY AK. BOOK NO. 2 PAGE 242 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 24 DY 3 MO 77 YR  
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186






LINE		STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE 	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ 										
1									1877.7			1		
2			440		5.0	+ 5.0	1884.7		1877.7	W		2		
3			0		5.2				1868.2	-		3		
4		24	275	92 - <del>00</del>	7.1	- 16.7			1829.0	E		4		
5		25	1140	92 - 20	7.5	- 55.9			1793.4			5		
6		26	2020	92 - 12 - 03	14.0	- 91.5			1791.2			6	1787.8	
7			1760	89 - 40	8.0	- 2.2	1791.2		1753.5	W		7		
8		27	000	92 - <del>00</del>	7.0	- 37.7			1786.0	-		8	VALLEY	
9		28	0	-	5.2				1837.3	E		9		
10		29	000	84 - 30	7.5	+ 46.1			1909.9			10		
11		30	1760	86 - <del>00</del>	3.8	+ 118.7			2095.3			11	1904.4	
12			2140	94 - 40	11.9	+ 185.4	2095.3		1970.7			12		
13		31	1265	94 - 40	12.0	- 114.6			2055.9	W		13		
14		32	385	94 - <del>00</del>	12.6	- 39.4			2090.1	-		14		
15		-	0	-	5.2				2114.9	E		15		
16		33	475	87 - <del>00</del>	6.3	+ 19.6						16		
17												17		

WORKED BY L.O.L. CHECKED BY 1st \_\_\_\_\_ 2ND \_\_\_\_\_





SYMBOLS  = BACKSIGHT  = INSTRUMENT SET-UP  = SIDESHOT  = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. 2 PAGE 242 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 24 DY 3 MO 77 YR  
 SURVEYOR L. LAMAN. INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE		STATION	VERTICAL						ELEVATION		LR OR DI	HORIZONTAL		REMARKS
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD		RIGHT TURNED HORIZONTAL ANGLE	LINE	
				SLOPE 										
1									2095.3				1	
2		34.	1375		07-10	13.7	+ 54.2		2149.5		E.		2	2144.6
3			1920		94-30	9.7	+ 159.7	2309.4					3	
4		35.	1045.		95-25	15.0	- 113.2		2196.2				4	
5		36	165		72-00	11.8	- 17.6		2291.8		W		5	
6			0		-	5.2			2304.2		-		6	
7		37.	715.		09-00	2.1	+ 10.4		2319.9		E.		7	
8		38.	1500		00-20	10.1	+ 35.8		2345.2				8	
9		BM. 79200	2052		00-20	1.0	+ 57.9		2367.3				9	
10									2362.7				10	
11								VERTICAL	+ 4.6				11	
12								TIE.					12	
13													13	
14													14	
15													15	
16													16	
17													17	

WORKED BY L.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS  = BACKSIGHT  = INSTRUMENT SET-UP  = SIDESHOT  = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

6

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. 2 PAGE 244 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 24 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV. DIFF.	FINAL ELEVATION DIFF	ELEVATION		LR OR DR		RIGHT TURNED HORIZONTAL ANGLE
			SLOPE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ					INST	ROD			
1	⊙	BM 79200											
2													
3													
4	Δ		275		3.3	+ 3.3	2366.0				W		
5			0		5.2		2360.8				I		
6		39.	130	94-20	10.7	- 20.5	2345.5				E.		Rock LEDGES.
7	⊙		735	92-30	11.0	- 43.8	2322.2						2322.3
8	Δ		440	85-20	8.6	- 33.1	2289.1						
9		40	165	87-30	2.2	+ 5.0	2294.1				W		
10			0		5.2		2283.9				I		
11		41.	715	95-20	11.2	- 77.4	2211.7				E.		
12		42.	1595	94-10	11.0	- 127.4	2161.7						
13	⊙	43.	2470	93-40	10.5	- 168.1	2121.0						2121.1
14	Δ		800	81-20	10.3	- 45.9	2075.1				W		
15		44	0		5.2		2069.9				I		
16		45.	800	94-20	6.6	- 72.9	2002.2				E.		
17													

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**SYMBOLS**    Δ = BACKSIGHT    ⊕ = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT

# VERTICAL AND HORIZONTAL SURVEY NOTES











GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 245 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 25 BY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186





LINE	  	STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL	LINE	REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD					RIGHT TURNED HORIZONTAL ANGLE
				SLOPE											
1									2075.1			1			
2		46.	1760		93-30	10.8	-	118.0		1957.1	E.	2	1957.2		
3			1760		88-05	4.7	-	56.5	1700.6			3			
4		47	880		88-30	9.0	+	14.0		1914.6	W	4			
5		48	0		-	5.2				1895.4	-	5			
6		49.	880		91-05	11.3	-	26.7		1873.9	E.	6			
7		50	1760		91-05	7.8	-	38.5		1862.1		7	1862.5		
8			385		89-20	2.6	-	1.9	1860.2		W	8			
9			0		-	5.2				1855.0	-	9			
10		51.	495		92-30	5.3	-	26.9		1833.3	E.	10			
11		52.	1375		91-20	7.7	-	39.7		1820.5		11			
12		53	2255		91-00	13.5	-	52.8		1807.4		12	1808.2		
13			1375		89-30	8.6	-	3.4	1804.0			13			
14		54	495		89-30	7.7	-	3.4		1800.6	W	14			
15			0		-	5.2				1798.8	-	15			
16		55.	385		91-00	7.7	-	16.4		1787.6	E.	16			
17												17			

WORKED BY L.L.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
**SYMBOLS**    = BACKSIGHT    = INSTRUMENT SET-UP    = SIDESHOT    = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 246 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 25 BY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	  	STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD					
				SLOPE 											HORIZ 
1												1			
2		56.	1265.		92-05	12.4	-	56.5		1804.0		1747.5	E.	2	
3		57.	2145		91-50	11.4	-	80.0				1724.0		3	
4			2760		91-20	12.2	-	76.4				1727.6		4	1728.9
5			1150		88-20	8.5	-	24.9		1702.7				5	
6		58.	880		88-20	5.5	+	20.1				1722.8	W	6	
7		59.	0		-	5.2						1697.5	-	7	
8		60.	880		92-05	4.8	-	35.5				1667.2	E.	8	
9		61.	1760		91-10	11.8	-	47.6				1655.1		9	
10			2140		91-08-30	14.0	-	66.6				1636.1		10	1637.9
11			880		88-05	8.0	-	22.7		1613.4			W	11	
12		63.	0		-	5.2						1608.2	-	12	
13		64.	880		92-05	8.7	-	39.4				1574.0	E.	13	
14			1760		92-10	10.7	-	77.2				1536.2		14	1538.3
15														15	
16														16	
17														17	

WORKED BY L. G. L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
**SYMBOLS**     = BACKSIGHT     = INSTRUMENT SET-UP     = SIDESHOT     = FORESIGHT



# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 247 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 25 BY 3 MO 79 YR \_\_\_\_\_  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						ELEVATION		L/R OR DI	HORIZONTAL		REMARKS
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD		RIGHT TURNED HORIZONTAL ANGLE	LINE	
				SLOPE										
1		65.							1536.2			1		
2			1760		00 - 30	14.0	-	32.1	1504.1			2		
3		66	000		09 - <del>00</del>	11.6	+	3.8	1507.9		W	3	gully X	
4		67.	0		.	5.2			1498.9		-	4		
5		68.	000		91 - 30	12.5	-	35.5	1468.6		E.	5		
6		69.	1760		91 - <del>00</del>	12.5	-	43.2	1460.9			6	1463.3	
7			2640		00 - 40	11.8	-	49.6	1411.3			7		
8		70	1760		00 - 40	11.1	+	29.8	1441.1			8		
9		71.	000		09 - 30	7.2	-	0.1	1411.2		W	9		
10		72.	0		-	5.2			1406.1		-	10		
11		73.	000		-	3.8			1407.5		E.	11		
12		74.	1760		-	10.0	-	10.0	1401.3			12	1403.8	
13			1760		-	7.0	+	7.0	1408.3			13		
14		75.	000		-	2.6			1399.7		W	14		
15		76.	0		-	5.2			1403.1		-	15		
16		77.	000		-	10.6			1397.7		E.	16		
17		78.	1760		-	6.5			1401.8			17		

WORKED BY L. J. L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
**SYMBOLS**    = BACKSIGHT    = INSTRUMENT SET-UP    = SIDESHOT    = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. 2 PAGE 248 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 25 BY 3 MO 79 YR  
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. WILD T2. CREW NO. 1186.

LINE	△ ⊕ SS ⊙	STATION	VERTICAL							HORIZONTAL		REMARKS		
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		L/R OR DI		RIGHT TURNED HORIZONTAL ANGLE	
			SLOPE	FEET METERS					HORIZ	INST				ROD
1														
2	⊙	79.	2640		-	13.7	-	13.7		1409.3				1397.6
3	△		2640		89-10	6.0	-	32.4		1362.2				
4		80	1720		89-10	5.3	+	20.3						
5		81.	000		-	10.6								
6		82.	0		-	5.2								
7		83.	000		91-00	7.4	-	22.8						
8		84.	1760		91-00	8.6	-	39.3						
9	⊙	85.	2640		90-40	9.8	-	40.5						1326.1
10	△		2040		88-30	5.5	-	47.9		1273.8				
11		86	1160		89-20	4.0	+	7.5						
12		87.	275		89-20	2.4	+	0.8						
13		-	0		-	5.2								
14		88.	605		94-30	11.0	-	58.3						
15		89.	1405		92-00	8.8	-	60.6						
16	⊙	90	2360		91-20	9.8	-	64.7						1209.9
17														

WORKED BY L. J. L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
**SYMBOLS**    △ = BACKSIGHT    ⊕ = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 249 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 25 DY 3 MO 79 YR  
 SURVEYOR L. LTMAN. INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186.

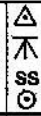


LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST			
1		90							1209.1			1	
2			3140		91-02-26	14.0	+ 71.0	1280.1				2	
3		91	2260		91-30	14.7	- 73.8	1206.3				3	165' W
4		92	1375		92-15	14.0	- 72.9	1207.2		5' 30" ST.		4	TUPICHA K RIVER
5		93	475		91-05	13.0	- 21.6	1258.5		W		5	
6		-	0		-	5.2		1274.9		-		6	
7		94.	385.		-	7.8		1272.3		E.		7	
8		95.	1265		-	12.4		1267.7				8	
9		96.	2140		-	3.3	- 3.3	1276.8				9	1280.9
10			2640		-	4.4	+ 4.4	1281.2				10	
11		97	1760		-	5.9.		1275.3				11	
12		98	890		-	8.1		1273.1		W		12	
13		99	0		-	5.2		1276.0		-		13	
14		100	880		99-50	4.9	- 2.3	1278.9		E.		14	TP. 1282.9
15												15	
16												16	
17												17	


WORKED BY L.L.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 250 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 25 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE		STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LR OR DR		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE 					HORIZ 	INST			
1	○	100							1278.9			1	
2	△		1760		89-20	1.4	-	14.1	1264.8			2	
3		101	880		89-20	2.5	+	7.7	1272.5		W	3	
4		102	0		-	5.2			1259.6		-	4	
5	⊙		715		91-30	10.8	-	29.5	1235.3		E	5	1239.4
6	△		<del>2808</del>		89-20	5.0	-	27.6	1207.7			6	
7		103	2640		-	9.2			1198.5			7	
8		104	1760		-112	8.2	-2.8	-17.0	1190.7			8	
9		105	880		-112	10.8	-4.4	-15.2	1192.5		W	9	UTUKOK RIVER.
10		106	0		-	5.2			1202.5		-	10	
11		107	880		89-40	5.0	+	0.1	1207.8		E	11	
12		108	1760		89-10	4.8	+	20.8	1228.5			12	
13	⊙	109	2640		88-20	7.9	+	68.9	1276.6			13	1281.1
14	△		880		92- <del>00</del>	6.9	+	37.6	1314.2		W	14	
15		110	0		-	7.5			1306.7		-	15	
16	⊙	B.M. 79215	573		89-00	2.1	+	7.9	1322.1		E	16	
17									<del>1326.48</del>			17	

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2ND \_\_\_\_\_  
**SYMBOLS**    △ = BACKSIGHT     = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHEGUK. MTN. STATE/COUNTY AK. BOOK NO. 2 PAGE 251 OF         
 LINE/LOOP NO. 609 TYPE SURVEY        CLIENT        DATE 26 BY 3 MO 79 YR         
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO.        CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		UR OR DI		RIGHT TURNED HORIZONTAL ANGLE
			SLOPE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ					INST	ROD			
1	⊙	BM 79 215											
2													
3	Δ		305		6.9		+6.9	1333.6			W		
4		111.	0		5.2			1328.4			I		
5		112.	080	91-40	5.1		-30.7	1302.9			E		
6		113.	1760	91-30	7.0		-55.1	1278.5					
7	⊙	114.	2640	91-14-23	14.0		-71.1	1262.5					1262.4
8	Δ		1760	89-00	11.8		-18.9	1243.6					
9		115.	080	89-00	5.4		+10.0	1253.6			E		
10		116.	0		5.2			1238.4			I		
11		117.	080	90-30	8.7		-16.4	1227.2			E		
12		118.	1760	90-30	8.2		-23.6	1220.0					
13	⊙	119.	2640	90-30	8.1		-31.1	1212.5					1212.3
14	Δ		1760	89-30	9.8		-5.6	1206.9					
15		120	880	89-30	4.0		+3.7	1210.6			W		
16		121	0		5.4			1201.5			I		
17		122	080	90-30	5.2		-12.9	1194.0			E		

WORKED BY L.J.L. CHECKED BY 1ST        2ND         
 SYMBOLS    Δ = BACKSIGHT    ⊕ = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 252 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 26 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186











LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LR OR DR		RIGHT TURNED HORIZONTAL ANGLE
			SLOPE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ					INST	ROD			
1									1206.9			1	
2		123	1760		90-30	5.2	-	21.0		1185.9	E.	2	
3	$\odot$	124	2640		90-20	10.9	-	26.3		1180.6		3	1180.3
4	$\Delta$		2640		89-50	6.9	-	0.8	1179.8			4	
5		125	1760		-	3.6				1176.2		5	
6		126	880		-	11.0				1168.8	W	6	
7		127	0		-	5.2				1174.6	-	7	
8		128	880		-	9.4				1170.4	E.	8	
9		129	1760		-	3.0				1176.8		9	
10	$\odot$	130	2640		89-50	9.2	-	1.5		1178.3		10	1177.9
11	$\Delta$		2640		89-50	10.0	+	2.3	1180.6			11	
12		131	1760		-	5.7				1174.9		12	
13		132	880		-	5.4				1175.2	W	13	
14		133	0		-	5.2				1175.4	-	14	
15		134	880		89-30	2.3	+	5.4		1186.0	E.	15	
16	$\odot$	135	1760		89-20	11.8	+	8.7		1189.3		16	1188.6
17												17	

WORKED BY L.J.L CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS  $\Delta$  = BACKSIGHT  $\nabla$  = INSTRUMENT SET-UP SS = SIDESHOT  $\odot$  = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 253 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 26 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						ELEVATION		L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
			SLOPE 	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ 										
1		135.							1189.3			1		
2			1760	-	3.7	+ 3.7	1193.0					2		
3		137.	880	-	5.1			1187.7		W		3		
4		137.	0	-	5.2			1187.8		-		4		
5		138.	880	-	11.2			1181.8		E		5		
6		139.	1760	90-20	5.3	- 15.5		1177.5				6		
7		140	2640	90-20	8.0	- 23.4		1169.6				7	1168.9	
8			2640	89-40	6.3	- 9.1	1160.5					8		
9		141	1760	89-40	7.0	+ 3.2		1163.7				9		
10		142.	880	89-40	4.6	+ 0.5		1161.0		W		10		
11		143.	0	-	5.8			1154.7		-		11		
12		144.	880	91-30	6.3	- 29.3		1131.2		E		12	SIEMO - CRK	
13		145.	1760	90-30	7.7	- 23.1		1137.4				13	300' WEST.	
14		146.	2640	-	4.2	- 4.2		1156.3				14	1155.4	
15												15		
16												16		
17												17		

WORKED BY \_\_\_\_\_ CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS  = BACKSIGHT  = INSTRUMENT SET-UP  = SIDESHOT  = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. 2 PAGE 254 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 26 BY 3 MO 79 YR  
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						ELEVATION		UR OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE	REMARKS
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD				
				SLOPE										
1	⊙	146.							1156.3			1		
2	Δ		1760		91-05	10.1	+	40.8	1197.1			2		
3		147.	000		91-05	4.3	-	19.7	1177.4		W	3		
4		148.	0		-	5.3			1191.8		-	4		
5		149.	000		00-30	9.7	+	13.3	1210.4		E.	5		
6		150.	1760		00-30	13.5	+	32.6	1229.7			6		
7	⊙	151	2640		00-30	0.3	+	60.8	1257.9			7	1256.9	
8	Δ		2145		72-05	7.1	+	81.7	1339.8			8		
9		152.	1265		72-05	9.0	-	53.1	1286.7			9		
10		153.	385.		72-30	11.8	-	28.6	1311.2		W	10		
11		-	0		-	5.2			1334.6		-	11		
12		154	495		00-20	4.0	+	10.4	1350.2		E.	12		
13		155.	1375.		00-20	5.6	+	34.4	1374.2			13		
14	⊙	156.	2255.		00-20	9.8	+	55.8	1395.6			14	1394.5	
15												15		
16												16		
17												17		

WORKED BY L.J.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
**SYMBOLS**    Δ = BACKSIGHT    = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT



# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AR. BOOK NO. 2 PAGE 255 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 21 BY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. Wild T2 CREW NO. \_\_\_\_\_

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE	LINE
			SLOPE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ					INST	ROD			
1	⊙	156.							1395.6			1	
2	Δ		1760		91-30	7.0	+ 53.1	1448.7				2	
3		157.	880		91-30	5.5	- 28.5		1420.2	W		3	
4		158.	0		-	5.2			1443.5	-		4	
5		159.	880		89-05	3.8	+ 11.6		1460.3	E		5	
6		160.	1760		89-05	4.5	+ 26.2		1474.9			6	
7	⊙	161	2640		88-50	3.6	+ 50.1		1498.8			7	
8	Δ		2260		90-40	14.7	+ 41.0	1539.9				8	
9		162.	1375.		90-40	11.6	- 27.6		1512.2			9	
10		163	495		91-05	10.0	- 18.6		1521.2	W		10	
11		-	0		-	5.4			1534.4	-		11	
12		164.	385.		89-05	11.7	- 5.0		1534.8	E		12	
13		165.	1265		89-05	3.2	+ 18.9		1558.7			13	
14		166	2145.		89-05	5.6	+ 31.8		1571.4			14	
15	⊙	TR	2540		89-05	2.0	+ 42.3		1582.1			15	
16												16	
17												17	

WORKED BY L.G.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
**SYMBOLS**    Δ = BACKSIGHT    ⊕ = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MUSHEGUK MTN. STATE/COUNTY AK. BOOK NO. 2 PAGE 256 OF       
 LINE/LOOP NO. 609 TYPE SURVEY      CLIENT      DATE 27 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1		TP.							1592.1			1	
2												2	
3			495		-	14.7	+ 14.7	1576.2			W	3	
4		147	0		-	5.2		1591.6			-	4	
5		118	880		+ 1/2	3.7	+ 4.4	+ 0.7	1597.5		E.	5	NORTH
6		162.	1760		88 - 40	5.5	+ 35.4		1632.2			6	SIDE
7		TP.	2035		88 - 40	7.0	+ 39.5		1636.3			7	"MEAT MTN" 1635.0
8			2365		90 - 40	8.4	+ 35.9	1672.2				8	
9		170	1760		90 - 40	10.0	- 30.5		1641.7			9	
10		171	880		90 - 30	13.5	- 21.2		1651.0		W	10	
11		172.	0		-	5.2			1667.0		-	11	
12		173.	880		89 - 30	7.0	+ 0.7		1672.9		E.	12	
13		174.	1760		89 - 30	2.2	+ 13.2		1685.4			13	1683.9
14			1760		89 - 40	4.7	- 5.5	1679.9				14	
15		175.	880		89 - 40	2.2	+ 2.9		1682.8		W	15	
16		176.	0		-	5.2			1674.7		-	16	
17		177.	880		-	8.5			1671.4		E.	17	

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 257 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 27 BY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			L/R OR D/I	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1													
2		178	1760		+1/2	7.0	+8.8	+1.8		1679.7			
3			2465		89-40	10.5		+3.8					11682.1
4			3200		90-33-13	14.0		+44.9		1728.6			
5		179	3025		90-44-00	14.0		-52.7					
6		180	2145		91-00	4.3		-41.7					
7		181	1265		91-00	6.8		-28.9					
8		182	385		92-00	10.2		-23.6				W	
9			0		-	5.2						-	
10		183	495		89-30	2.7		+1.6				E	
11		184	1375		89-00	5.2		+18.8					
12		185	2255		88-50	8.2		+37.7					T.P. 1764.4
13			1760		-	10.7		+10.7		1777.0			
14		186	000		-	8.8						W	
15		187	0		-	5.2						-	
16		188	000		-1/2	11.9		-4.4				E	
17													

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 258 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 27 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186














LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD OR OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			L/R OR D/I	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1									1777.0			1	
2		189	1760		-	10.4				1766.6	E	2	
3		190	2640		-	6.7	-	6.7		1770.3		3	1768.3
4			2640		90-10	12.0	+	19.7	1790.0			4	
5		191	1760		90-20	10.0	-	20.2		1769.8		5	
6		192	880		90-20	11.2	-	16.3		1773.7	W	6	
7		193	0		-	5.2				1784.8	-	7	
8		194	880		-	1.4	-	1.4		1788.6	E	8	TP 1786.4
9			1760		-	9.7	+	9.7	1798.3			9	
10		195	880		-	14.8				1783.5	W	10	
11		196	0		-	5.2				1793.1	-	11	
12		197	880		-	5.1				1793.2	E	12	
13		198	1760		-	12.3	-	12.3		1786.0		13	1783.7
14			1760		89-20	7.8	-	12.7	1773.3			14	
15		199	880		89-20	5.5	+	4.7		1778.0	W	15	
16		200	0		-	5.2				1768.1	-	16	
17		201	880		90-47	15.0	-	27.0		1746.3	E	17	

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SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

**HORIZONTAL AND VERTICAL SURVEY NOTES**

GSI AREA MUSHEGUK MTN. STATE/COUNTY AK. BOOK NO. 2 PAGE 259 OF       
 LINE/LOOP NO. 609 TYPE SURVEY      CLIENT      DATE 27 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO.      CREW NO. 1192

LINE	   	STATION	VERTICAL						HORIZONTAL		REMARKS			
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS. 	ROD RDG OR HI	ELEV DIFF 	FINAL ELEVATION DIFF	ELEVATION			L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINT
				SLOPE 					HORIZ 	INST				
1								1773.3				1		
2		202.	1760		-	6.5	-	6.5	1766.8	E.		2	1764.4	
3			2640		90-50	11.9	+	50.3	1817.1			3		
4		203.	1760		91-40	12.8	-	64.0	1753.1			4		
5		204.	880		92-30	6.0	-	44.3	1772.8	W		5		
6		205.	0		-	5.3			1811.8	-		6		
7		206.	880		87-30	5.0	+	33.3	1850.4	E.		7		
8			1605		87-30	8.1	+	61.8	1878.9			8	1876.4	
9			1050		89-20	8.7	-	3.5	1875.4			9		
10		207	880		89-20	6.7	+	3.5	1878.9	W		10	TP.	
11		208.	0		-	5.2			1870.2	-		11		
12		209.	880		90-30	8.4	-	16.1	1859.3	E.		12		
13		210.	1760		90-30	14.9	-	30.3	1845.1			13		
14		211	2640		90-30	10.8	-	33.8	1841.6			14	1839.0	
15												15		
16												16		
17												17		

TI-23471B

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# HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. 2 PAGE 260 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 28 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST		
1		211							1241.6			
2			000		7.9	+	7.9	1849.5		W		
3		212	0		8.0				1841.5	-		
4		213	000		13.5				1836.0	E		
5		214	1760		9.7	-	19.9		1829.6		18268	
6			2035		8.4	-	3.4	1826.2				
7		215	1155		12.8				1813.4			
8		216	275		7.5				1818.7	W		
9			0		5.2				1821.0	-		
10		217	605		14.0				1812.2	E		
11		218	1485		10.0	-	35.9		1790.3			
12		219	2360		15.0	-	35.6		1790.6		1787.7	
13			1760		13.9	+	34.4	1825.0				
14		220	800		8.2	-	18.4		1806.6	W		
15		221	0		5.5				1819.5	-		
16		222	880		2.7	+	2.4		1827.4	E		
17			1260		5.9	+	1.4		1826.4		1823.4	

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 241 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 28 DY 3 MO 77 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	  	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		RIGHT TURNED HORIZONTAL ANGLE		LINE
				SLOPE					HORIZ	INST			
1									1826.4			1	
2			1360		5.7	+ 5.7		1832.1				2	
3		223.	000		- 1/2	12.0	- 4.4	- 16.4		1815.7	W	3	
4		224.	0		-	5.2				1826.9	-	4	
5		225	000		09-40	5.6	-	0.5		1831.6	E	5	1828.5
6			1760		09-30	4.0	-	10.6	1821.0			6	
7		226.	000		-	4.6				1816.4	W	7	
8		227.	0		-	5.7				1815.3	-	8	
9		228	000		09-00	9.0	+	6.4		1827.4	E	9	1824.2
10			1760		71-00	9.3	+	40.0	1817.4			10	
11		229.	000		71-00	7.3	-	22.7		1844.7	W	11	
12		230	0		-	5.0				1861.6	-	12	
13		231.	000		+ 1/2	5.0	+ 4.4	- 0.6		1866.8	E	13	
14		232.	1760		09-40	5.7	+	4.5		1871.9		14	1868.6
15												15	
16												16	
17												17	

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SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

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GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 262 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 28 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST		
1		232.							1871.9			
2			1760		29-30	14.0	- 1.4	1170.5				
3		233.	880		29-30	5.4	+ 2.3		1172.8	W.		
4		234.	0		-	5.4			1165.1	-		
5		235	880		90-30	11.9	- 19.6		1150.9	E.		1847.6
6			2640		27-50	10.1	- 27.6	1761.3				
7		236	1760		28-05	11.3	+ 50.1		1111.4			
8		237.	880		+12	4.6	+4.4 - 0.2		1761.1	W		
9		238.	0		-	5.4			1755.9	-		
10		COLVILLE	275		-	8.4			1752.9	E.		RIVER
11		RIVER										
12												
13		239.	880		-	4.5			1756.8			
14		240	1760		27-10	11.1	+ 75.8		1837.1			1833.5
15												
16												
17												

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHEGUK MTN. STATE/COUNTY AK. BOOK NO. 2 PAGE 263 OF         
 LINE/LOOP NO. 609 TYPE SURVEY        CLIENT        DATE 28 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO.        CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> ⊥ <input type="checkbox"/> ⊙	STATION	VERTICAL							HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		L/R OR D/I		RIGHT TURNED HORIZONTAL ANGLE	
			SLOPE	HORIZ				INST	ROD	INT				
1	⊙	240											1	
2	Δ		1760		90-40	10.0	+ 30.5	1867.6					2	
3		241	880		-	14.1		1853.5		W			3	
4		242	0		-	5.3		1862.3		-			4	
5		243	880		89-30	7.0	+ 4.7	1872.3		E.			5	
6		244	1760		89-30	6.9	+ 9.5	1876.1					6	
7	⊙	BM-79210	2427		89-30	14.0	+ 7.2	1874.8					7	
8								1871.1					8	
9													9	
10									VERTICAL TIE.				10	
11										+3.7			11	
12													12	
13													13	
14													14	
15													15	
16													16	
17													17	

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 SYMBOLS    Δ = BACKSIGHT    ⊥ = INSTRUMENT SET-UP    ⊙ = SIDESHOT    ⊙ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHESUK MTN. STATE/COUNTY AK. BOOK NO. 2 PAGE 264 OF       
 LINE/LOOP NO. 609 TYPE SURVEY      CLIENT      DATE 29 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186











LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS			
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1		BM. 79210							1871.1	<input checked="" type="checkbox"/>		1		
2												2		
3			1090		89-30	6.0	- 2.7	1868.4				3		
4		245	880		89-30	6.2	+ 1.5	1869.9		W		4		
5		246.	0		-	5.2		1863.2		-		5		
6		247	880		-	14.7	- 14.7	1853.5		E		6		
7			1155		88-00	13.7	- 26.2	1826.9				7		
8		248	275		88-00	5.3	+ 4.3	1831.2		W		8		
9			0		-	5.2		1821.7		-		9		
10		249.	605		93-00	11.5	- 43.1	1783.8		E		10		
11			880		89-00	13.5	- 1.9	1781.9		W		11		
12		250	0		-	5.3		1776.6		-		12		
13		251.	880		92-30	11.5	- 49.8	1732.1		E		13		
14		252.	1760		91-00	9.8	- 40.5	1741.4				14		
15		253.	2640		89-00	7.9	+ 38.2	1820.1				15		
16												16		
17												17		

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 265 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 27 DY 3 MO 77 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST		
1		253							1820.1			1
2			000		91-00	2.1	+ 23.5	1843.6		W		2
3		254	0		-	5.3			1838.3	-		3
4		255	000		09-30	4.4	+ 3.3		1846.9	E.		4
5		256	1760		09-30	0.7	+ 6.7		1850.3			5
6			1760		90-10	12.2	+ 17.3	1867.6				6
7		257	000		-	9.7			1857.9	W		7
8		258	0		-	5.3			1862.3	-		8
9		259	000		-	2.0			1865.6	E.		9
10		260	1760		09-50	4.5	+ 0.6		1868.2			10
11		261	2640		09-50	5.9	+ 1.8		1869.4			11
12			1760		-	6.1	+ 6.1	1875.5				12
13		262	000		-	5.1			1870.4	W		13
14		263	0		-	5.4			1870.1	-		14
15		264	000		-	7.5			1868.0	E.		15
16		265	1760		-	8.0			1867.5			16
17		266	2640		-	12.1	- 12.1		1863.4			17

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 = SIDESHOT
 = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 266 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 25 DY 3 MO 77 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF.	ELEVATION		L/R OR D/I		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1	⊙	266							1863.4			1	
2	Δ		2145		89-00	10.1	- 27.3	1836.1				2	
3		267	1265		89-00	4.7	+ 17.4		1853.5			3	
4		268	385		89-00	2.4	+ 4.3		1840.4	W		4	
5			0		-	5.2			1830.9	I		5	
6	⊙		220		91-00	14.0	- 17.8		1818.3	E		6	
7	Δ		1520		88-30	6.3	- 33.5	1784.8				7	
8		269	1260		89-30	10.0	+ 1.0		1785.8			8	
9		270	305		94-00	6.7	- 33.5		1751.3	W		9	
10			0		-	5.2			1779.6	I		10	
11		271	495		88-00	6.0	+ 11.3		1796.1	E		11	
12	⊙	272	1375		87-40	5.7	+ 50.2		1835.0			12	
13												13	
14												14	
15												15	
16												16	
17												17	

WORKED BY L.J.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS    Δ = BACKSIGHT    ⊠ = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 267 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 29 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ○	STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST		
1	○	272							1835.0			1
2	Δ		1760		90-20	12.4	+ 22.6	1857.6				2
3		273	880		-	10.7			1846.9	W		3
4		274	0		-	5.3			1852.3	-		4
5	○	BM 79209	580		-	5.2	- 5.2		1852.4	E		5
6									1856.2			6
7							VERTICAL TIE	- 3.8				7
8												8
9	Δ		2060		-	2.1	+ 2.1	1858.3				9
10		275	1760		-	7.4			1850.9			10
11		276	880		-	9.2			1849.1	W		11
12		277	0		-	5.4			1852.9	-		12
13		278	880		-	10.6			1847.7	E		13
14		279	1760		- 1/2	7.3	- 8.8 - 16.1		1842.2			14
15	○	280	2640		90-10	12.8	- 20.5		1837.8			15
16												16
17												17

TI-23471B

WORKED BY L. J. L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS    Δ = BACKSIGHT     Δ = INSTRUMENT SET-UP    SS = SIDESHOT    ○ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 268 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 29 DY 3 MO 72 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ○	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD OR OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			UR OR DI	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1	○	280							1837.8			1	
2	Δ		1760		89-30	7.4	- 8.0	1827.8				2	
3		281	880		89-30	4.0	+ 2.9		1832.7	W		3	
4		282	0		-	5.3			1824.5	I		4	
5		283	880		-112	12.1	-4.4 -16.5		1813.3	E.		5	
6		284	1760		90-30	15.0	- 30.4		1799.4			6	
7	○	285	2640		90-50	13.2	- 51.6		1778.2			7	
8	Δ		1760		89-20	3.0	- 16.7	1761.5				8	
9		286	880		90-30	13.0	- 20.7		1740.8	W		9	
10		287	0		-	5.3			1756.2	I		10	
11		288	880		89-00	4.7	+ 10.7		1772.2	E.		11	
12		289	1760		89-00	2.5	+ 28.2		1789.7			12	
13	○	290	2640		89-00	8.7	+ 37.4		1798.7			13	
14												14	
15												15	
16												16	
17												17	

WORKED BY L. J. L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS    Δ = BACKSIGHT     = INSTRUMENT SET-UP    SS = SIDESHOT    ○ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 267 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 22 BY 3 MO 77 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST		
1		290.							1798.9			1
2			2640		-	10.7	+ 10.7	1809.8				2
3		291	1760		-	4.4			1803.4			3
4		292.	880		-	5.6			1804.2		W	4
5		293.	0		-	5.8			1804.0		-	5
6		294.	880		-	8.0			1801.8		E.	6
7		295.	1760		- 1/2	6.6	- 8.8	- 15.4	1794.4			7
8			2145.		90-20	10.4	-	22.9	1786.9			8
9			2255		89-10	4.0	-	28.8	1758.1			9
10		296.	1760		89-30	7.8	+	7.6	1765.7			10
11		297.	880		91-00	11.2	-	26.6	1731.5		W	11
12		298.	0		-	5.5			1752.6		-	12
13		299.	880		89-20	6.1	+	4.1	1762.2		E.	13
14		300.	1760		89-30	5.5	+	9.9	1769.0			14
15		301.	2640		89-20	8.3	+	22.4	1780.5			15
16												16
17												17

WORKED BY L.P.C. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

**SYMBOLS**     = BACKSIGHT     = INSTRUMENT SET-UP     = SIDESHOT     = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 270 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 30 DY 3 MO 72 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> ⚓ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			LIR OR DIR	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1								1758.1			1		
2		302	3520		89-20	6.0	+ 35.0		1793.1			2	
3	⊙	B.M. 79208	3607		89-20	7.5	+ 34.5		1772.6			3	
4	Δ		✓		270-46-15	14.0	+ 34.5					4	
5									1791.5	✓		5	
6							VERTICAL TIE	+ 1.1				6	
7												7	
8												8	
9	Δ		1673		89-00	10.4	- 18.8	1772.7				9	
10		303	000		89-00	6.5	+ 8.9		1781.6	W		10	
11		304	0		-	5.4			1767.3	-		11	
12		305	000		-	9.2			1762.7	E		12	
13		306	1760		-	12.3			1760.4			13	
14	⊙	307	2640		-	5.6	- 5.6		1767.1			14	
15												15	
16												16	
17												17	

WORKED BY L.G.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS    Δ = BACKSIGHT    ⚓ = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT



# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 271 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 30 BY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		L/R OR D/I		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1		307							1767.1			1	
2			1760		7.0	+ 7.8	1774.9					2	
3		308	000		1.9				1768.0		W	3	
4		309	0		5.3				1769.6		-	4	
5		310	000		0.7	+ 6.7			1781.6		E.	5	
6		311	1760		7.0	+ 22.9			1797.8			6	
7			2255		12.0	+ 27.3			1802.2			7	
8			305		4.2	+ 4.2	1806.4				W	8	
9		312	0		5.2				1801.2		-	9	
10		313	000		7.4	- 17.6			1788.8		E.	10	
11			1760		12.6	- 33.1			1773.3			11	
12			2140		13.2	- 48.2	1725.1					12	
13		315	1760		9.0	+ 31.9			1757.0			13	
14		316	000		3.7	+ 16.8			1741.9		W	14	
15		317	0		5.2				1719.9		-	15	
16		318	000		12.0	- 27.4			1697.7		E.	16	
17												17	

WORKED BY L.J.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
 SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHEGUK MTN. STATE/COUNTY AK. BOOK NO. 2 PAGE 272 OF         
 LINE/LOOP NO. 609 TYPE SURVEY        CLIENT        DATE 30 BY 3 MO 72 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	  	STATION	VERTICAL						ELEVATION		HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD	L/R OR D/I	RIGHT TURNED HORIZONTAL ANGLE		LINE
				SLOPE										
1									1725.1				1	
2		317.	1760		4.2					1720.5	E.		2	
3		320	2640		89-40	13.0	+ 2.4			1727.5			3	
4			2140		89-30	9.8	- 13.2		1714.3				4	
5		321	1760		+112	6.8	+8.8	+2.0		1716.3			5	
6		322.	880		-	1.5				1712.8	W		6	
7		323.	0		-	5.3				1709.0	-		7	
8		324.	880		-	1.2				1708.1	E.		8	
9		325.	1760		-	10.3				1704.0			9	
10		326	2640		89-58-06	14.0	- 12.5			1701.8			10	
11			2640		89-36-40	14.1	- 3.8		1698.0				11	
12		327.	1760		-	0.6				1697.4			12	
13		328.	880		-	3.6				1694.4	W		13	
14		329.	0		-	5.3				1692.7	-		14	
15		330.	880		-	4.5				1693.5	E.		15	
16		331.	1760.		89-44-10	14.0	- 5.9			1692.1			16	
17													17	

WORKED BY L. L. L. CHECKED BY 1ST        2ND       

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# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 273 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 30 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST		
1		331							1672.1			
2			1760		29-30	12.5	- 2.9	1689.2				
3		332	000		-	0.7			1688.5	W		
4		333	0		-	5.4			1683.8	-		
5		334	000		-	10.2			1679.0	E		
6		335	1760		-	11.6	- 11.6		1677.6			
7			2640		90-07-15	14.0	+ 19.6	1697.2				
8		336	1760		90-20	9.5	- 19.7		1677.5			
9		337	000		-	11.4			1685.8	W		
10		338	0		-	5.3			1691.9	-		
11		339	000		-	4.0			1693.2	E		
12		340	1760		+ 12	0.2	+ 8.8 + 0.6		1697.8			
13		341	2640		09-20	9.1	+ 21.6		1718.8			
14												
15												
16												
17												

WORKED BY L.L.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 274 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 30 BY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1196

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> $\nabla$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			LR OR DR	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1	$\odot$	341.							1718.8			1	
2	$\Delta$		1760		91-10	11.8	+ 47.6	1766.4				2	
3		342.	000		91-00	0.2	- 23.6		1742.8	W		3	
4		343.	0		-	5.2			1761.2	-		4	
5		344.	000		09-30	5.0	+ 2.7		1749.1	E.		5	
6												6	
7		BM 78290	1720		09-00	10.7	+ 19.3		1785.7	SE.		7	OLD IRON PIPE
8									1782.8			8	SP. 713 + 295
9									+ 2.9			9	LINE R-3.
10												10	
11		345.	1760		89-20	12.0	+ 8.5		1774.9			11	
12	$\odot$	346.	2640		09-10	12.9	+ 25.5		1791.9			12	
13												13	
14												14	
15												15	
16												16	
17												17	

WORKED BY L.O.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS  $\Delta$  = BACKSIGHT  $\nabla$  = INSTRUMENT SET-UP SS = SIDESHOT  $\odot$  = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 275 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 30 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			L/R OR D/I	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1		346							1791.9			1	
2			2640		91-04-14	14.0	+ 63.3	1855.2				2	
3		347	1760		91-05	13.5	- 44.2		1811.0			3	
4		348	880		91-00	0.0	- 23.4		1831.8	W		4	
5		349	0		-	5.2			1850.0	-		5	
6		350	000		09-10	5.5	+ 7.3		1862.5	E		6	
7		351	1760		09-10	6.5	+ 19.1		1874.3			7	
8		BM. 79206	2284		09-10	10.2	+ 23.0		1878.2			8	
9			✓		270-55-50	14.0	+ 23.1					9	
10									1875.2	✓		10	
11												11	
12								VERTICAL	+3.0			12	
13								TIE.				13	
14												14	
15												15	
16												16	
17												17	

WORKED BY L.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 276 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 31 BY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	  	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		L/R OR D/H		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1		BM. 79206								1875.2			1
2													2
3			1236		89-30	7.1	- 3.7	1871.5					3
4		352	880		89-30	5.4	+ 2.3			1873.8	W		4
5		353	0		-	5.2				1866.3	-		5
6		354	880		90-30	8.8	- 16.5			1855.0	E.		6
7		355	1760		90-30	9.7	- 25.1			1846.4			7
8			1760		89-10	8.8	- 16.8	1829.6					8
9		356	880		89-10	4.7	+ 8.1			1837.7	W		9
10		357	0		-	5.2				1824.4	-		10
11		358	880		91-00	7.0	- 22.4			1807.2	E.		11
12		359	1760		91-10	12.5	- 48.3			1781.3			12
13			2640		87-53.09	14.0	- 83.3	1698.0					13
14		360	1760		88-20	2.6	+ 48.6			1746.6			14
15		361	880		89-00	10.0	+ 5.4			1703.4	W		15
16		362	0		-	5.4				1692.6	-		16
17		363	880		-	2.1				1695.9	E		17

WORKED BY L.G.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHEGUK MTN. STATE/COUNTY AK BOOK NO. 2 PAGE 277 OF       
 LINE/LOOP NO. 609 TYPE SURVEY      CLIENT      DATE 31 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO.      CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS			
			DISTANCE		<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LIR OR DIR	RIGHT TURNED HORIZONTAL ANGLE	
			SLOPE	HORIZ						INST				ROD
1									1698.0				1	
2		364	1760		-	3.2				1694.4	E		2	
3		365	2640		89-30	7.7	+	15.3		1713.3			3	
4			1760		91-00	12.5	+	43.2	1756.5				4	
5		366	880		91-00	7.2	-	22.2		1733.9	W		5	
6		367	=		-	5.4				1751.1	-		6	
7		368	880		-	9.2	-	9.2		1747.3	E		7	
8			2640		70-20	7.3	+	22.7	1770.0				8	
9		369	1760		91-10	12.0	-	47.8		1722.2			9	
10		370	880		91-40	8.2	-	33.8		1736.2	W		10	
11		371	0		-	5.3				1764.7	-		11	
12		372	880		87-40	4.8	+	31.0		1801.0	E		12	
13		373	1760		87-40	11.7	+	59.9		1829.9			13	
14		374	2640		87-40	12.7	+	94.7		1864.7			14	
15													15	
16													16	
17													17	

WORKED BY L. J. L. CHECKED BY 1ST      2ND       
 SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MISHÉGUK MTN. STATE/COUNTY AK BOOK NO. 2 PAGE 278 OF       
 LINE/LOOP NO. 609 TYPE SURVEY      CLIENT      DATE 31 DY 3 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> $\nabla$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	STATION	VERTICAL							HORIZONTAL		REMARKS
			DISTANCE		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	ELEVATION		L/R OR D/I	RIGHT TURNED HORIZONTAL ANGLE	
			SLOPE	HORIZ				INST	ROD			
1	$\odot$	374.							1864.7			1
2	$\Delta$		1760		92-00	7.4	+	68.8	1933.5			2
3		375.	000		92-00	4.3	-	35.0	1898.5		W	3
4		376.	0		-	5.2			1928.3		I	4
5		377.	000		00-30	5.6	+	17.4	1950.9		E	5
6	$\odot$	378.	1760		00-30	9.7	+	36.4	1969.9			6
7	$\Delta$		1760		91-00	5.9	+	36.6	2006.5			7
8		379.	000		90-20	13.0	-	18.1	1988.4		W	8
9		380	0		-	5.2			2001.3		I	9
10	$\odot$	BM. 79205	207		-	4.0	-	4.0	2002.5		E	10
11									2002.0			11
12									VERTICAL TIE.			12
13									+ 0.4			13
14												14
15												15
16												16
17												17

WORKED BY L.J.L. CHECKED BY 1ST      2ND       
 SYMBOLS  $\Delta$  = BACKSIGHT  $\nabla$  = INSTRUMENT SET-UP SS = SIDESHOT  $\odot$  = FORESIGHT



# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA MICHIGAN MTN STATE/COUNTY AK BOOK NO. 2 PAGE 279 OF       
 LINE/LOOP NO. 609 TYPE SURVEY      CLIENT      DATE 1 DY 7 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO.      CREW NO. 1184

LINE	  	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		RIGHT TURNED HORIZONTAL ANGLE		LINE
				SLOPE					HORIZ	INST			
1		BM. 79205								2002.0		1	
2												2	
3			1473		89-00	11.3	- 14.4	1987.7				3	
4		381	880		89-00	6.0	+ 9.4			1997.1	U	4	
5		382	0		-	5.2				1782.5	I	5	
6		383	880		90-50	7.0	- 17.8			1767.9	E	6	
7		384	1760		90-50	12.2	- 37.8			1949.9		7	
8			1760		89-50	7.1	+ 2.0	1751.9				8	
9		385	880		-	7.6				1944.3	U	9	
10		386	0		-	5.2				1746.7	I	10	
11		387	880		91-00	6.8	- 22.2			1727.7	E	11	
12		388	1760		90-40	13.5	- 34.0			1917.9		12	
13		389	2640		90-46-30	14.0	- 49.7			1902.2		13	
14												14	
15												15	
16												16	
17												17	

WORKED BY L. J. L. CHECKED BY 1ST      2ND     

SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. 2 PAGE 280 OF \_\_\_\_\_  
 LINE/LOOP NO. 609. TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 1 BY 4 MO 79 YR  
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			L/R OR DJI	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1	⊙	389-							1702.2			1	
2	Δ		1485		00-30	9.5	-	27.4	1872.8			2	
3		390.	<del>000</del> 605		00-30	2.0	+	17.8	1886.6		W	3	
4			0		-	5.2			1867.6		-	4	
5		391.	275		73-50	7.0	-	21.4	1851.4		E.	5	
6		392.	1155		92-30	8.8	-	59.1	1813.7			6	
7	⊙	393.	2035.		92-00	10.9	-	81.9	1790.9			7	
8	Δ		2640		00-50	5.5	-	45.2	1745.7			8	
9		394.	1760		00-50	7.1	+	28.7	1774.4			9	
10		395.	000		09-00	7.3	+	8.1	1753.8		W	10	
11		396.	0		-	5.2			1740.5		-	11	
12		397.	000		-	5.1			1740.6		E.	12	
13		398.	1760		+12	5.6	+8.8	+3.2	1748.9			13	
14		399.	2640		09-30	9.8	+	13.2	1758.9			14	
15	⊙	400	3520		09-20	12.7	+	28.3	1773.8			15	
16	Δ		✓		270-37:08	10.0	+	28.0				16	
17												17	

WORKED BY L. J. L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS    Δ = BACKSIGHT    Δ = INSTRUMENT SET-UP    SS = SIDESHOT    ⊙ = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. 2 PAGE 201 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 1 BY 4 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		L/R OR DJI		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1		400							1773.8			1	
2			000		89-05	9.4	- 6.0	1767.8			W	2	
3		401	0		-	5.2			1762.6		-	3	
4		402	000		91-30	11.9	- 34.9		1732.9		E	4	
5		403	1760		72-00	11.2	- 72.6		1695.2			5	
6			1740		87-05	16.5	- 81.5	1613.7				6	
7		404	000		87-05	5.9	+ 40.1		1653.8		W	7	
8		405	0		-	5.2			1608.5		-	8	
9		406	000		93-00	7.0	- 53.0		1560.7		E	9	
10		407	1760		93-00	10.4	- 102.4		1511.3			10	
11		NUKA RIVER	2255		92-10	9.0	- 133.4		1480.3			11	
12		408	2640		92-30	9.4	- 124.4		1489.3			12	
13			2915		92-05	10.4	- 112.1		1501.6			13	
14												14	
15												15	
16												16	
17												17	

WORKED BY C.J.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. 2 PAGE 282 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 1 DY 4 MO 77 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	  	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		L/R OR D/I		RIGHT TURNED HORIZONTAL ANGLE
									SLOPE	HORIZ			
1									1501.6			1	
2			1485		4.7	+	4.7	1506.3				2	
3		409	880		4.7	-			1501.6	W		3	
4		410	0		5.2	-			1501.1	-		4	
5		411	880		8.8	-			1497.5	E.		5	
6			1150		11.9	-	11.9		1194.4			6	
7			1010		6.7	-	19.7	1474.7				7	
8		412	420		3.0	-			1470.9			8	
9			0		5.2	-			1469.5			9	
10		413	490		3.0	-			1471.7			10	
11			550		2.2	+	26.5		1501.2			11	
12			1700		7.0	+	2.1	1503.3				12	
13		414	880		3.1	-			1508.2	W		13	
14		415	0		5.1	-			1498.2	-		14	
15		416	880		5.6	+	9.8		1513.1	E.		15	
16		417	1760		4.5	+	51.8		1555.1			16	
17												17	

WORKED BY L.O.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
 SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

45

GSI AREA MISHÉGON MTN. STATE/COUNTY AK. BOOK NO. 2 PAGE 203 OF       
 LINE/LOOP NO. 609 TYPE SURVEY      CLIENT      DATE 1 BY 4 MO 79 YR  
 SURVEYOR L. LTMAN. INSTRUMENT DESC/SERIAL NO.      CREW NO. 1186

LINE	   	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		L/R OR D/I		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1									1503.3			1	
2		418.	2640		2.3	+167.8			1671.1		E.	2	
3			3245		14.0	+271.1			1334.4			3	TOP of h.c.u.
4					10.0	+271.0						4	
5			2035		14.0	+87.0			1862.4			5	
6		419.	1760		11.1	-77.6			1785.8			6	
7		420	000		6.3	-37.0			1826.4		W	7	
8		421.	0		5.7				1857.7		-	8	
9		422.	000		9.7	+5.5			1868.9		E.	9	
10		423.	1760		5.3	+25.4			1888.8			10	
11			1760		10.9	+26.3		1715.1				11	
12		424.	000		13.0	-20.7			1894.4		W	12	
13		425	0		5.2				1909.9		-	13	
14		BM. 79204.	248.		7.1	-7.1			1708.0		E	14	
15									1707.4			15	
16												16	
17								VERTICAL	+0.6			17	

WORKED BY L. J. L. CHECKED BY 1ST TIE. 2ND       
 SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

46

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. 2 PAGE 254 OF \_\_\_\_\_  
 LINE/LOOP NO. 609. TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 2 DY 4 MO 77 YR  
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1126.

LINE	<input type="checkbox"/> $\Delta$ <input type="checkbox"/> $\nearrow$ <input type="checkbox"/> SS <input type="checkbox"/> $\odot$	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		LR OR DR		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1	$\odot$	BM. 79204										1	
2												2	
3	$\Delta$		633		89-00	1.1	- 9.9	1897.5			W	3	
4		426.	0		-	5.2		1892.3			-	4	
5		427.	000		92-10	9.7	- 42.9	1854.6			E	5	
6	$\odot$	428	1760		92-20	11.0	- 82.6	1814.9				6	
7	$\Delta$		1760		87-10	9.9	- 77.0	1737.9				7	
8		429.	000		87-10	6.3	+ 37.1	1775.0			W	8	
9		430	0		-	5.2		1732.7			-	9	
10		431.	000		92-20	6.2	- 42.0	1695.9			E.	10	
11		432.	1760		92-20	4.2	- 75.8	1662.1				11	
12	$\odot$	433.	2640		92-20	13.7	- 121.1	1616.8				12	
13	$\Delta$		2640		89-40	11.4	- 4.0	1612.8				13	
14		434.	1760		91-30	11.3	- 57.4	1555.4				14	
15		435.	000		95-30	14.0	- 105.0	1507.8			W 7' H19	15	CREEK.
16		436.	0		-	5.2		1607.6			-	16	
17	$\odot$	437	000		88-00	6.0	+ 24.7	1637.5			E	17	

WORKED BY L.D.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS  $\Delta$  = BACKSIGHT  $\nearrow$  = INSTRUMENT SET-UP SS = SIDESHOT  $\odot$  = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 285 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 2 BY 4 MO 77 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION		L/R OR D/I		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1		437							1637.5			1	
2			1760		91-40	10.2	+ 11.4	1698.9				2	
3		438	880		91-40	10.2	- 35.8		1663.1	W		3	
4		437	0		-	5.2			1693.7	E		4	
5		440	880		88-20	12.5	+ 13.1		1712.0	E		5	
6		441	1760		88-20	9.3	+ 42.9		1741.8			6	
7		442	2640		88-20	5.6	+ 71.2		1770.1			7	
8			2640		92-00	11.6	+ 103.7	1873.8				8	
9		443	1760		92-00	11.1	- 72.5		1801.3			9	
10		444	880		92-20	13.6	- 49.4		1824.4	W		10	
11		445	0		-	5.2			1868.6	-		11	
12		446	880		87-30	11.2	+ 27.1		1900.9	E		12	
13		BM. 79203	1630		87-30	3.5	+ 67.5		1941.3			13	
14									1940.9			14	
15								VERTICAL	+0.4			15	
16								TIE				16	
17												17	

WORKED BY L. J. L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_  
 SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 286 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 2 DY 4 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						ELEVATION		L/R OR D/I	HORIZONTAL		REMARKS
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	INST	ROD		RIGHT TURNED HORIZONTAL ANGLE	LINE	
				SLOPE										
1		BM. 792.03.								1740.9			1	
2													2	
3			<del>1060</del>		88 - 20	2.3	-	20.8	1920.1				3	
4		447	880		88 - 20	1.9	+	23.7		1943.8	W		4	
5		448	0		-	5.2				1914.9	-		5	
6		449	880		92 - 20	2.2	-	44.0		1876.1	E		6	
7		450	1760		92 - 00	12.4	-	73.8		1846.3			7	
8			2640		88 - 40	4.1	-	57.3	1789.0				8	
9		451	1760		88 - 40	5.8	+	35.1		1824.1			9	
10		452	880		88 - 40	5.3	+	15.2		1804.2	W		10	
11		453	0		-	5.3				1783.7	-		11	
12		454	880		91 - 20	6.0	-	26.5		1762.5	E		12	
13		455	1760		91 - 20	6.2	-	47.1		1741.7			13	
14													14	
15													15	
16													16	
17													17	

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WORKED BY L.J.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT



# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK BOOK NO. 2 PAGE 287 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 3 BY 4 MO 77 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	  	STATION	VERTICAL						HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS	VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	FINAL ELEVATION DIFF	ELEVATION			L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1		455							1741.9			1	
2			1760		00 - 00	5.6	- 55.8	1686.1				2	
3		456	000		00 - 00	4.1	+ 26.1		1712.2	W		3	
4		457	0		-	5.3			1680.8	-		4	
5		458	000		92 - 00	6.0	- 37.5		1648.6	E		5	
6		459	1760		92 - 00	4.2	- 65.6		1620.5			6	
7		460	2640		92 - 00	6.1	- 98.2		1587.9			7	
8			2255		71 - 00	11.4	+ 50.7	1638.6				8	
9		461	1375		91 - 00	10.4	- 34.4		1604.2			9	
10		462	495		91 - 00	8.0	- 17.4		1621.2	W		10	
11			0		-	5.3			1633.3	-		11	
12		463	305		-	3.0			1635.6	E		12	
13		464	1265		09 - 00	2.6	+ 19.5		1658.1			13	
14		465	2145		08 - 30	8.9	+ 47.2		1685.8			14	
15			2750		08 - 30	7.7	+ 64.3		1702.9			15	
16												16	
17												17	

WORKED BY L.J.L. CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT

# HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA \_\_\_\_\_ STATE/COUNTY AK. BOOK NO. 2 PAGE 288 OF \_\_\_\_\_  
 LINE/LOOP NO. 609 TYPE SURVEY \_\_\_\_\_ CLIENT \_\_\_\_\_ DATE 3 BY 4 MO 79 YR  
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. \_\_\_\_\_ CREW NO. 1186

LINE	   	STATION	VERTICAL							HORIZONTAL		REMARKS	
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS. 	ROD RDG OR HI 	ELEV DIFF 	ELEVATION		L/R OR D/I		RIGHT TURNED HORIZONTAL ANGLE 
				SLOPE 	HORIZ 				INST	ROD			
1									1702.9			1	
2			275		-	6.0	+	6.0	1708.9		W	2	
3		466.	0		-	5.2			1703.7		-	3	
4		467.	000		91-00	14.9	-	30.3	1678.6		E.	4	
5		468.	1760		91-37-23	14.0	-	63.8	1645.1			5	
6			1760		91-00	10.2	+	40.9	1686.0			6	
7		469.	000		91-20	11.7	-	32.2	1653.8		W	7	
8		470.	0		-	5.2			1680.8		-	8	
9		471.	000		00-00	4.5	+	26.2	1712.2		E.	9	
10		472.	1760		00-00	4.9	+	56.5	1742.5			10	
11			2145		07-52-26	14.0	+	65.5	1751.5			11	
12			2640		91-40	7.0	+	84.6	1836.1			12	
13		473.	2145		91-40	13.0	-	75.4	1760.7			13	
14		474	1265		92-10	15.0	-	62.8	1773.3			14	
15		475	305		92-00	13.5	-	26.7	1809.2		W	15	
16			0		-	5.2			1830.9		-	16	
17		476	495.		09-05	3.0	+	5.6	1841.7		E.	17	

WORKED BY L.J.L CHECKED BY 1ST \_\_\_\_\_ 2ND \_\_\_\_\_

SYMBOLS = BACKSIGHT = INSTRUMENT SET-UP = SIDESHOT = FORESIGHT