

STADIA SURVEY NOTES

AREA UTUKOK RIVER. STATE or PROVINCE AK. PAGE No. 84.
 LINE No.(s) 605 PARTY No. 1186 DATE: 31. Day 1 Mo. 79. Yr. BOOK No. 1
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: - 50° P.T.S. No. 1

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD		
1												1087.4	o	B.M.	79237
2															
3															
4		990		87-20				+ 11.9	+ 0.4		1087.8		Δ		
5	✓	✓		270-50				+ 14.8	+ 0.4				ck.		
6	✓	110	-					- 5.2				1074.6		104	
7		0	-					- 5.2				1082.6			
8	E	770		92-00				- 6.9	- 33.8			1054.0	o	103	
9		✓		260-30				- 13.6	- 33.7				ck.		
10		2640		89-20				+ 11.2	- 19.5	19.4		1034.6	Δ		
11		✓		270-30				+ 3.0	- 19.2				ck.		
12		1760		91-10				- 9.2	- 45.0			989.6		102	
13	W.	000		93-20				- 6.4	- 57.5			977.1		101	
14		0	-					- 5.2				1027.4		100	FIRST SP.
15	E	770		86-54-35				- 14.0	+ 27.4			1062.0	o	T.S. # 4	
16	W.	440		80-00				+ 6.0	- 7.5	1053.5			Δ		
17		0	-					- 5.2				1048.3		T.S. # 6	
18	E	1320		94-16-20				- 4.0	- 102.1			951.4		T.S. # 12	
19	E.	3760		80-20-40				- 4.0	+ 110.4			1163.9		T.S. # 24	
20															

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 85.
 LINE No.(s) 605. PARTY No. 1186. DATE 30 Day 1 Mo. 77 Yr. BOOK No. 1
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: - 50° P.T.S. No. 1

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1087.4	0	B.M.	77237	
2														105.		
3	E	800		80-05				+	11.5	-	17.2	1068.2		Δ		
4		0						-	5.2			1063.0		106.		
5	W.	800		92-05				-	8.0	-	38.7	1029.5		107.		
6		1760		92-00				-	10.0	-	71.4	992.8		108.		
7		2640		91-57-35				-	14.0	-	104.2	964.0	0	109.		
8		1430		89-05				+	11.4	-	13.6	950.4		Δ		
9	E	550		87-00				-	5.0	+	4.6	955.0		110		
10		0						-	5.2			945.2		-		
11	W	330		91-40				-	5.2	-	14.8	935.6		111.		
12		1210		91-40				-	5.0	-	40.2	910.2		112.		
13		2090		91-00				-	9.6	-	46.1	904.3		113.		
14		2970		90-30				-	13.0	-	38.9	911.5		114.		
15		3300		90-21-44				-	14.0	-	34.9	915.5	0			
16		1760		89-40				+	10.3					Δ		
17		171210		71/2				-	5.7					115.		
18														116.		
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK PAGE No. 26
 LINE No.(s) 605 PARTY No. 1186 DATE 30 Day 1 Mo. 79 Yr. BOOK No. 1
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: -50° P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1													715.5	0		
2		1760		29-40				+	10.3	+ 0.1		715.6		▲		
3		1210		29-40				-	6.6	+ 0.4			916.0		115	CREEK
4	E	330		-1/2				-	14.5	- 1.7	- 16.2		899.4		116	
5		0		-				-	5.2				910.4		—	
6	W	550		-				-	10.3				905.3		117	
7		1430		90-20				-	12.3	- 20.6			895.0		118	
8		2310		90-30				-	13.7	- 33.9			881.7	0	119	
9		1760		90-40				+	11.8	+ 32.3		914.0		▲		
10	E	880		91-30				-	13.2	- 36.8			877.2		120	
11		0		-				-	5.2				908.8		121	
12	W	880		89-30				-	3.6	+ 4.1			918.1		122	
13		1760		29-20				-	11.7	+ 8.8			922.8	0	123	
14		1210		90-20				+	10.6	+ 17.6		940.4		▲		
15	E	330		-				-	9.1				931.3		124	
16		0		-				-	5.2				935.2		—	
17	W	550		-				-	14.6				925.8		125	
18		1430		00-20				-	7.4	+ 34.2			974.6		126	
19		2310		88-02-47				-	14.2	+ 64.7			1005.1	0	127	
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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 87
 LINE No.(s) L.O.S. PARTY No. 1186. DATE 30 Day 1 Mo. 79. Yr. BOOK No. 1
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: - 50 = P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1005.1	⊙	127		
2		1210		92-40				+ 14.7	+ 70.9	1076.0			Δ			
3	E	330		91-00				- 13.3	- 19.1			1056.9		128		
4		0	-					- 5.2				1070.8		-		
5	W	550		88-40				- 5.1	+ 7.7			1083.7		129.		
6		720		88-30				- 10.1	+ 8.7			1084.7	⊙	B.M.	79236.	
7												1083.7				(1083.93)
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK PAGE No. 00
 LINE No.(s) 605 PARTY No. 1186 DATE 2 Day 2 Mo. 77 Yr. BOOK No. 1
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: - 45° P.T.S. No. 1

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1083.7	0	B.M.	79236	
2																
3	E	712		29-10				+ 9.0		- 1.4	1082.3		A			
4		0	-					- 5.2				1077.1		130		
5	W	800	-					- 7.5				1074.8		131		
6		1760	-					- 5.4		- 5.4		1076.7	0	132		
7		2090		29-20				+ 14.9		- 9.4	1069.5		A			
8		1210		29-30				- 9.7		+ 0.9		1068.4		133		
9	E	330	-					- 4.0				1062.7		134		
10		0	-					- 5.2				1062.3				
11	W	550		90-40				- 6.6		- 13.0		1054.5		135		
12		1430		90-30				- 12.0		- 25.3		1042.2	0	136		
13		2640		20-50				+ 13.9		- 39.8	1002.4		A			
14		1760		20-50				- 10.3		+ 25.5		1027.9		137		
15	E	800		29-20				- 3.3		+ 6.9		1009.3		138		
16		0	-					- 5.2				997.2		139		
17	W	800		90-30				- 8.5		- 16.2		986.2		140		
18		1760		90-30				- 9.0		- 25.2		977.2		141		
19		2640		90-30				- 12.2		- 36.2		966.2	0	142		
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 29.
 LINE No.(s) 605. PARTY No. 1186- DATE 2. Day 2. Mo. 79. Yr. BOOK No. 1
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: -45° P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD				
1																	
2		1760		89-30				+ 10.5		- 4.9	961.3	966.2	0	142			
3	E	880		+ 1/2				- 4.0	+ 4.4	- 0.4		960.9		143			
4		0	-					- 5.2				956.1		144			
5	W	880		89-30				- 7.3		- 1.6		959.7		145			
6		1760		89-30				- 4.5		+ 10.9		972.2		146			
7		2310		89-30				- 10.5		+ 9.7		971.0	0				
8		2090		89-30				+ 11.1		- 43.6	927.4			147			
9		1760		89-30				- 8.8		+ 37.3		964.7		147			
10	F	880		89-00				- 1.5		+ 13.9		941.3		148			
11		0	-					- 5.2				922.2		147			
12	W	880	-					- 14.1				913.3		150.			
13		1760		- 1/2				- 9.4	- 8.8	- 18.2		909.2		151.			
14		2310		90-14-41				- 14.0		- 23.9		903.5	0				
15		2090		88-30				+ 11.8		- 42.9	860.6			152			
16		1760		88-30				- 9.5		+ 36.6		897.2		153			
17	E.	880		88-30				- 6.1		+ 16.9		877.5		153.			
18		0	-					- 5.2				855.4		154.			
19	W	880		91-20				- 13.5		- 34.0		826.6	0	155.			
20																	

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 90.
 LINE No.(s) 605. PARTY No. 1186. DATE 2. Day 2. Mo. 79. Yr. BOOK No. 1
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: - 40° P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												826.6	0	155.	
2		1760		87-32-53				+ 14.0	- 61.2	765.4			Δ		
3	E	880		87-50				- 6.2	+ 27.0			792.4		156	
4		0	-					- 5.2				760.2		157	CREEK. 30' WEST.
5	W	880		86-30				- 3.0	+ 50.6			816.0		158	
6		1760		86-30				- 4.0	+ 103.2			869.6		159.	
7		2310		86-20				- 14.0	+ 132.6			898.0	0		
8		1210		91-12-14				+ 14.0	+ 39.4	937.4			Δ		
9	E	880		91-05				- 10.0	- 25.4			912.0		160	
10		0	-					- 5.2				932.2		161.	
11	W	880		89-10				- 5.9	+ 6.9			944.3		162.	
12		1090		89-05				- 9.4	+ 9.6			947.0	0	B.M.	79235. (957.19)
13												952.2			
14															
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 91.
 LINE No.(s) 605. PARTY No. 186. DATE 2. Day 2 Mo. 77. Yr. BOOK No. 1
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: - 30° P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												952.2	○	BM.	79 235	
2																
3	E	670		89-10				+ 9.3		- 0.4	751.8		△			
4		0	-					- 5.2				946.6			163	
5	W.	880		91-30				- 11.0		- 34.0		917.8			164.	
6		1760		91-54-10				- 14.0		- 72.4		879.4	○		165	
7		2090		87-40				+ 14.0		- 70.2	809.2		△			
8		1210		80-05				- 8.6		+ 33.6		842.8		165	166	
9	E.	330		85-05				- 2.0		+ 3.8		813.0		166	167	
10		0						- 5.2				804.0		-		
11	W.	550		92-05				- 10.4		- 29.6		779.6		167	168	
12		1430		92-05				- 9.2		- 59.1		750.1		168	169	
13		2310		91-39-03				- 14.0		- 80.5		727.7	○	169	170	CREEK
14		1760		90-10				+ 12.9		+ 18.0	746.7		△			
15	E	880		72-30				- 8.2		- 46.5		700.2		170	171	CREEK
16		0	-					- 5.2				741.5			172	
17	W	880		85-40				- 12.8		+ 53.5		800.2		173.		
18		1760		85-40				- 8.8		+ 123.8		870.5		174.		
19		2090		85-40				- 9.2		+ 148.3		895.0	○			
20																

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2nd _____

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 92.
 LINE No.(s) 605. PARTY No. 1186. DATE 2 Day 2 Mo. 72. Yr. BOOK No. 1
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: -30° P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												895.0	⊙			
2	E.	550		91-00				+	10.0	+ 19.6	714.6		△			
3		0	-					-	5.2			709.4			175.	
4	W.	800		89-00				-	9.3	+ 6.1		720.7			176.	
5		1760		89-20				-	5.5	+ 15.0		722.6			177.	
6		2640		89-04-31				-	14.0	+ 28.6		743.2	⊙		178.	
7		1760		91-13-28				+	14.0	+ 51.6	794.8		△			
8	E.	800		91-10				-	10.0	- 27.9		966.9			179.	
9		0	-					-	5.2			989.6			180.	
10	W.	800		80-30				-	6.6	+ 16.4		1011.2			181.	
11		1760		80-14-45				-	15.0	+ 38.9		1033.7	⊙		182.	
12		1760		91-10-41				+	14.0	+ 50.2	1083.9		△			
13	E.	800		91-00				-	11.5	- 26.9		1057.0			183.	
14		0	-					-	5.2			1078.7			184.	
15	W.	800		80-40				-	7.7	+ 12.8		1076.7			185.	
16		1760		80-35-48				-	15.0	+ 28.1		1112.0	⊙		186.	
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 93.
 LINE No.(s) 605. PARTY No. 1186. DATE 3. Day 2. Mo. 79. Yr. BOOK No. 1
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: - 30° P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1												1112.0	0	186.		
2	E	880		80-30				+ 12.0	- 11.0	1101.0			Δ			
3		0	-					- 5.2				1095.8		187.		
4	W.	880		92-30				- 4.3	- 42.6			1058.4		188.		
5		1760		92-24-03				- 14.0	- 87.7			1013.3	0	189.		
6		2530		80-10				+ 11.0	- 69.9	943.4			Δ			
7		1650		80-20				- 8.1	+ 37.9			783.3		190		
8	E	770		80-20				- 5.7	+ 16.7			960.1		191		
9		0	-					- 5.2				938.2				
10	W	110	-					- 10.7				932.7		192.		
11		990		92-20				- 10.1	- 50.4			893.0		193.		
12		1870		92-40				- 12.3	- 79.2			844.2		194.	CREEK ✓	
13		2750		92-02-27				- 14.0	- 111.9			831.5	6	195.	DRAINAGE	
14		990		91-00				+ 12.8	+ 30.1	861.6			Δ			
15	E	110	-					- 10.7				850.9		196.		
16		0	-					- 5.2				856.4			HILLSIDE.	
17	W	770		89-10				- 6.1	+ 5.1			866.7		197.		
18		1150		87-10				- 14.3	+ 9.7			871.3	0	198.		
19																
20																

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L.G.L.

CHECKED BY 1st

2nd

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 94.
 LINE No.(s) LOS. PARTY No. 1186. DATE 3. Day 2. Mo. 79. Yr. BOOK No. 1
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair.			INST.	ROD			
1												871.3	0	198		
2	E	770	-					+ 2.5	+ 2.5	873.8		868.6	▲	-		
3		0	-					- 5.2				857.1		199		
4	W	110		91-30				- 13.8	- 16.7			846.7	0			
5		650		91-20				- 12.0	- 27.1			820.8	0			
6		2420		88-10				+ 12.1	- 65.3	781.4		772.3	▲			
7		2090		88-40				- 9.2	+ 39.4			775.0		200		
8		1210	-					- 9.1				776.2		201		
9	E.	330	-					- 6.4				754.9		202		
10		0	-					- 5.2				719.5		-		
11	W	550		92-00				- 7.3	- 26.5			727.5		203		
12		1430		92-00				- 12.0	- 61.9			735.2	0	204		
13		2310		91-00				- 11.6	- 51.9			713.7		205		
14		3190		90-34-44				- 14.0	- 46.2			706.5	0	206		
15	E	770		88-00				+ 10.6	- 16.3	718.9		713.7	▲			
16		0	-					- 5.2				207				
17	W	110	-					- 12.4	- 12.4			207	0			
18																
19																
20																

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L.J.C.

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2nd

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK PAGE No. 95
 LINE No.(s) 605 PARTY No. 1186 DATE 3 Day 2 Mo. 79 Yr. BOOK No. 1
 SURVEYOR L. LYMAN RODMAN AK WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												706.5	0	207		
2		3380		88-00				+	7.1	- 110.8		595.9	Δ			
3		✓		272-00-40				+	14.0	- 110.4			CK			
4		2500		89-40				-	5.7	+ 8.8		604.7		208		
5		1650		92-20				-	13.7	- 80.8		515.1		209		
6															RIVER - " " "	
7																
8	E	770		98-00				-	9.5	- 115.6		480.3		210		
9		0	-					-	5.2			590.7		-		
10	W	110		85-40				-	4.5	+ 3.8		599.7		211		
11		440		87-00				-	12.4	+ 10.6		606.5	0			
12		2420		92-10				+	9.8	+ 101.2	707.7		Δ			
13		1870		93-00				-	4.1	- 101.8		605.9		212		
14		990		93-20				-	13.1	- 70.6		637.1		213		
15	E	110	-					-	11.7			696.0		214		
16		0	-					-	5.2			702.5		-		
17	W	440		88-10				-	13.6	+ 0.5		708.2	0			
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 96.
 LINE No.(s) 605. PARTY No. 1186. DATE 3. Day 2. Mo. 79. Yr. BOOK No. 1
 SURVEYOR L. LITMAN. RODMAN A.K. WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		2420		91-10				+ 12.8		+ 62.1	770.3	708.2	0			
3		2090		91-30				- 11.8		- 66.5		703.8		215		
4		1210		93-00				- 11.3		- 74.5		675.8		216		
5	E	330		93-30				- 14.1		- 34.2		736.1		217		
6		0	-					- 5.2				765.1		-		
7	W	550		86-30				- 6.8		+ 26.7		797.0		218		
8		1430		85-00				- 8.0		+ 116.2		886.5		219		
9		1900		85-00				- 14.7		+ 157.2		927.5	0			
10		2070		93-10				+ 12.4		+ 127.7	1055.2					
11		1760		93-10				- 10.1		- 107.2		948.0		220		
12	E	800		93-00				- 10.0		- 56.0		979.2		221		
13		0	-					- 5.2				1050.0		222		
14	W	800		86-50				- 6.0		+ 42.5		1097.7		223		
15		1760		86-50				- 13.8		+ 83.3		1138.5	0	224		
16		1760		92-20				+ 10.4		+ 82.0	1220.5					
17	E	880		92-20				- 7.3		- 45.1		1175.4		225		
18		0	-					- 5.2				1215.3		226		
19	W	800		87-40				- 6.0		+ 29.8		1250.3		227		
20																

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2nd

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 97.
 LINE No.(s) 605. PARTY No. 1186. DATE 3. Day 2. Mo. 79 Yr. BOOK No. 1
 SURVEYOR C. LYMAN. RODMAN A.K. WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2	W	1760		87-40				-	8.6	+ 63.0		1283.5		228.		
3		2640		87-40				-	13.7	+ 93.7		1314.2	0	229.		
4	E	880		91-20				+	11.1	+ 31.6	1345.8		Δ			
5		0						-	5.2			1340.6		230		
6	W	880		88-20				-	4.7	+ 20.9		1366.7		231		
7		1100		88-20				-	6.3	+ 25.7		1371.5	0	3.M	79232.	
8												1367.4				(1367.44)
9																
10										VERTICAL		+ 41				
11										TIE						
12																
13																
14																
15																
16																
17																
18																
19																
20																

TI-588B









WORKED BY

C.J.C.

CHECKED BY 1st

2nd






GSI AREA UTUKOK. RIVER. STATE/COUNTY ALASKA. BOOK NO. 1 PAGE 90 OF
 LINE/LOOP NO. 605. TYPE SURVEY CLIENT DATE 4 DY 2 MO 79 YR
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. 229 360 CREW NO. 1186.

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						ELEVATION		L/R OR D/I	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	⊙	BM. 79232										1	IRON - F	
2												2		
3	Δ		990		89-10	12.3	- 2.1	1365.3				3		
4		232	830		89-10	2.3	+ 2.5	1367.8				4		
5		-	0		-	5.2		1360.1				5		
6	⊙	233	550		93-08	11.8	- 40.5	1324.8				6		
7	Δ		3490		90-42-36	14.0	+ 57.2	1382.1				7		
8	CK		1		269-10	6.7	+ 57.5					8		
9		234	2610		93-40	11.8	- 178.4	1203.7				9	DEEP. RAV.	
10		235	1750		98-20	1.4	- 257.4	1124.7				10		
11		236	880		110-00	15.0	- 307.8	1074.3				11	10' BOGS	
12		237	0		-	5.2		1376.9				12		
13	⊙		550		85-30	7.2	+ 35.8	1417.9				13		
14	Δ		440		-	7.1	+ 7.1	1425.0				14		
15		238	110		-	3.0		1422.0				15	Rock.	
16			0		-	5.2		1419.8				16		
17	⊙		440		92-40	12.6	- 33.9	1392.0				17		

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

GSI AREA _____ STATE/COUNTY _____ BOOK NO. 1 PAGE 99 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY TRAVERSE CLIENT _____ DATE 4 DY 2 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						ELEVATION		L/R OR D/H	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	○											1392.0			1	
2	Δ		3270			86-40	13.1	-	176.7		1215.3				2	
3	CK		✓			273-10	3.8	-	176.6						3	
4		239	2940			87-40	8.4	+	111.2				1326.5		4	
5		240	2060			74-00	14.7	-	158.0				1057.3		5	
6		241	1210			97-00	11.6	-	158.0				1057.3		6	
7		242	330			97-00	14.0	-	53.9				1161.4		7	
8		-	0			-	5.2						1210.1		8	
9	○		360			82-00	14.4	+	35.2				1250.5		9	
10	Δ		520			85-30	19.0	-	30.7		1219.8				10	
11		243	330			85-30	4.3	+	21.5				1241.3		11	
12		-	0			-	5.2						1214.3		12	
13		244	550			94-40	11.6	-	56.2				1163.6		13	
14		245	1430			94-20	8.4	-	116.1				1103.7		14	
15	○		1980			94-10	9.8	-	153.3				1066.5		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. _____ PAGE 100 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 4 DY 2 MO 77 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. T2 229 360 CREW NO. 1186

LINE	<input type="checkbox"/> Δ <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 DI		RIGHT TURNED HORIZONTAL ANGLE	LINE
			SLOPE	HORIZ				INST	ROD					
1	\odot											1		
2	Δ		2970		85-05	12.2	-	245.7	820.8			2		
3		246	2640		85-00	13.1	+	216.1				3		
4		247	1760		86-05	9.2	+	113.3				4		
5		248	880		88-20	6.4	+	19.2				5		
6		249	0		-	5.2						6	CREEK - 160' EAST	
7		250	880		84-30	5.6	+	78.4				7		
8		251	1760		84-05	10.7	+	172.3				8	HILL SIDE	
9		252	2640		83-00	6.1	+	313.2				9	ROUGH	
10	\odot		3190		82-40	12.0	+	391.8				10		
11	\checkmark				277-21-56	14.0	+	391.6	391.7			11		
12	Δ		1210		95-00	10.7	+	115.8	1328.3			12		
13		253	880		95-05	10.0	-	86.4				13	ROCK	
14		254	0		-	5.2						14		
15		255	880		88-20	9.0	+	16.6				15	ROCK	
16	\odot	BM. 79231	1465		88-28.14	15.0	+	24.1				16	(1358.14)	
17												17		

WORKED BY L.G.L. CHECKED BY 1ST _____ 2ND _____
 SYMBOLS Δ = BACKSIGHT ∇ = INSTRUMENT SET-UP SS = SIDESHOT \odot = FORESIGHT
VERTICAL TIE - 5.7

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK BOOK NO. 1 PAGE 101 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 5 DY 2 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 DI		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1		BM. 79 231.										1		
2												2		
3			630	89-00		7.2	- 3.8	1354.3				3		
4		256	330	89-00		3.0	+ 2.0	1356.3				4		
5		0	0	-		5.2		1349.1				5		
6		257	550	72-00		6.5	- 25.7	1328.6				6		
7		258	1430	92-00		14.6	- 64.5	1289.8				7		
8			1760	86-32-53		14.0	- 91.8	1198.0				8		
9		259	880	87-30		5.0	+ 33.3	1231.3				9		
10		260	0	-		5.2		1192.8				10		
11		261.	880	91-00		9.4	- 24.8	1173.2				11		
12		262	1760	91-00		8.0	- 38.7	1159.3				12		
13		263	2640	91-03-19		14.0	- 62.6	1135.4				13		
14			2530	89-10		10.0	- 26.8	1108.6				14		
15		264	1650	89-10		11.1	+ 12.9	1121.5				15		
16		265	770	89-10		5.3	+ 5.9	1114.5				16		
17		0	0	-		5.2		1103.4				17		

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

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK. BOOK NO. 1 PAGE 102 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 5 DY 2 MO 79-YR
 SURVEYOR L. LTMAN. INSTRUMENT DESC/SERIAL NO. _____ CREW NO. _____

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		L/R OR DJ		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1												1		
2		266	110		-	9.7				1098.9			2	
3		267	990		+ 1/2	2.9	+ 5.0	+ 2.1		1110.7			3	
4		268	1870		88-10	10.6		+ 49.2		1157.8			4	
5		269	2750		87-30	13.0		+ 106.8		1215.4			5	
6	⊙		3300		87-16-30	14.0		+ 142.7		1251.3			6	
7	Δ		2970		-	10.3		+ 10.3	1261.6				7	
8		270	2640		-	11.1				1250.5			8	
9		271	1760		90-40	10.6		- 31.1		1230.5			9	
10		272	880		90-40	12.6		- 22.8		1238.8			10	
11		273	0		-	5.2				1256.4			11	
12	⊙		550		-	13.2		- 13.2		1248.4			12	
13	Δ		2970		85-37-04	14.0		- 212.3	212.2	1036.2			13	
14	CK		✓		274-27-44	14.0		- 212.1					14	
15		274	2640		85-40	9.0		+ 189.9		1226.1			15	
16		275	1760		86-00	0.6		+ 121.9		1158.1			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. 1 PAGE 103 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 5 DY 2 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		LR OR DR		RIGHT TURNED HORIZONTAL ANGLE	
				SLOPE					HORIZ	INST				ROD
1									1036.2			1		
2		276	000		06-50	2.3		+46.2		1082.4			2	
3		277	0		-	5.2				1031.0			3	
4		278	000		71-10	12.4		-30.3		1005.9			4	
5		279	1760		-12	11.2		-9.8 -20.6		1015.6			5	
6			2310		90-20	9.4		-22.8		1013.4			6	
7			660		07-20	5.4		-25.3	988.1				7	
8		280	330		07-20	7.8		+12.5		1000.6			8	
9		X	0		-	5.2				982.9			9	
10		281	550		92-05	12.3		-31.5		956.6			10	
11		282	1430		92-40	7.1		-73.6		914.5			11	
12		283	2310		92-34-32	14.0		-117.7		870.4			12	
13			2640		09-00	15.0		-31.1	839.3				13	
14		284	1760		-	13.0				825.5			14	
15		285	000		93-00	7.6		-53.6		785.7			15	
16		286	0		-	5.2				834.1			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. 1 PAGE 104 OF _____
 LINE/LOOP NO. 105 TYPE SURVEY _____ CLIENT _____ DATE 5 BY 2 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"/> \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		L/R OR DJ		RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1												1	
2	\odot		770		06-00	10.5	+ 43.1		882.4			2	
3	Δ		1070		70-40	13.6	+ 35.4	917.8				3	
4		287	1760		70-40	15.0	- 35.5		882.3			4	
5		288	880		92-00	12.4	- 43.1		874.7			5	
6		289	0		-	5.2			912.6			6	
7		290	880		88-40	5.3	+ 15.2		933.0			7	
8	\odot		1430		88-40	10.9	+ 22.4		940.2			8	
9	Δ		1100		70-30	13.8	+ 23.4	963.6				9	
10		291	770		90-30	15.0	- 21.7		941.9			10	
11			0		-	5.2			958.4			11	
12		292	110		-	10.1			953.5			12	
13	\odot	B.M. 79230	149		-	11.3	- 11.3		952.3			13	
14									952.5			14	(952.47)
15							VERTICAL TIE		- 0.2			15	
16												16	
17												17	

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

SYMBOLS Δ = BACKSIGHT ∇ = INSTRUMENT SET-UP SS = SIDESHOT \odot = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK BOOK NO. 1 PAGE 105 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 6 DY 2 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		LR OR DI		RIGHT TURNED HORIZONTAL ANGLE		
				SLOPE					HORIZ	INST				ROD	
1	◎	BM. 79230										952.5			1
2															2
3	Δ		1175		86-05	8.9	- 72.9	879.6							3
4		293	330		86-05	12.7	+ 10.3	889.9							4
5		-	0		-	5.2		874.4							5
6		294	550		93-40	10.3	- 45.4	834.2							6
7		295	1430		94-05	7.2	- 106.7	772.9							7
8		296	2310		93-40	13.7	- 161.1	718.5							8
9	◎	297	3190		93-40	7.4	- 211.0	668.7							9
10	Δ		✓		266-27-25	14.0	- 210.8	70.9							10
11	Δ		2640		91-33	14.0	+ 85.4	754.1							11
12	Δ		✓		260-27-18	14.0	+ 75.3								12
13		298	1760		93-05	12.0	- 104.0	650.1							13
14		299	880		93-05	10.0	- 56.0	698.1							14
15		300	0		-	5.2		748.9							15
16	◎		770		80-30	12.7	+ 7.4	761.5							16
17															17

WORKED BY L.G.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. 1 PAGE 106 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 6 DY 2 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1124

LINE	 	STATION	VERTICAL							HORIZONTAL		REMARKS		
			DISTANCE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS		VERTICAL ANGLE OBS.	ROD RDG OR HI	ELEV DIFF	ELEVATION		LR OR DI		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE	HORIZ				INST	ROD				
1												1		
2												2		
3												3		
4		301	3190									4		
5		302	2310									5		
6		303	1430									6		
7		304	550									7		
8		-	0									8		
9		305	330									9		
10		306	1210									10		
11		307	2090									11		
12			2640									12		
13			2090									13		
14		308	1760									14		
15		309	800									15		
16		310	0									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. 1 PAGE 107 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 6 DY 2 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	 SS 	STATION	VERTICAL						ELEVATION		L/R OR DJ	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				
1									672.1				1	
2		311	880		-	6.8				670.3			2	
3		312	1760		89-20	7.1		+13.4		690.5			3	
4		313	2640		89-11-46	14.0		+23.0		708.1			4	
5		B.M. 79227	2870		89-14-10	14.0		+24.3		701.4			5	
6										701.8			6	(701.75)
7								VERTICAL					7	
8								TIE		- 0.4			8	
9													9	
10													10	
11													11	
12													12	
13													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. _____ PAGE 108 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 7 DY 2 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 DJ		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1	⊙	BM. 79229										1		
2												2		
3	Δ		980		87-20	9.0	-2.4	699.4				3		
4		314	330		-	2.1		697.3				4		
5		-	0		-	5.2		694.2				5		
6	⊙		440		91-05	12.6	-20.3	679.1				6		
7	Δ		990		87-30	11.0	-32.1	647.0				7		
8		315	880		88-30	0.6	+22.4	669.4				8		
9		316	0		-	5.2		641.8				9	ELUSIVE	
10		317	880		-	5.3		641.7				10	CREEK.	
11		318	1760		88-00	8.0	+53.4	700.4				11		
12	⊙		1870		88-00	10.0	+55.2	702.2				12		
13	Δ		1870		90-40	8.0	+29.8	732.0				13		
14		319	1180		-1/2	12.7	-5.9	-18.6				14	OFFSET 30' N.	
15		320	330		93-00	10.3	-27.5	704.5				15		
16		-	0		-	5.2		726.9				16		
17		321	550		-	6.6		725.4				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. 1 PAGE 109 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 7 DY 2 MO 71 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	 	STATION	VERTICAL							LR 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	ELEVATION					
			SLOPE 	HORIZ 					INST					ROD
1												1		
2		322	1430			89-00	2.6	+ 22.4			732.0		2	
3		323	2310			86-50	10.0	+ 117.4					3	Rock.
4			1210			92-05	12.0	+ 54.2			903.6		4	HILL.
5		324	330			- 1/2	15.0	- 1.7	- 16.7				5	
6		-	0			-	5.2						6	TP.
7		325											7	
8		IRON-PIPE	1115			88-10	8.2	+ 27.5					8	OLD. IRON-PIPE
9		S.W.									930.4		9	BM. 78317
10													10	
11		325	550			-	9.1						11	
12		326	1430			- 1/2	9.2	- 7.2	- 16.4				12	
13		327	2310			-	13.8	-	13.8				13	
14			2640			91-40	13.2	+ 90.0			979.8		14	
15		328	1760			92-00	14.0	- 75.4					15	
16		329	880			92-05	6.5	- 37.2					16	
17		330	0			-	5.2						17	TP.

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. 1 PAGE 110 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 7 DY 2 MO 77 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	<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									979.8			1		
2		331	880		12.1				967.7			2		
3		332	1760		8.6	-8.8	-12.4		962.4			3		
4		333	2640		12.1		12.1		967.7			4		
5			2310		14.0	+37.1	1806.8					5		
6		334	1430		10.3	-22.8			984.0			6		
7		335	550		9.0				999.8			7		
8		K	0		5.2				1001.6			8		
9		336	130		3.8				1003.0			9		
10		337	1210		6.3				1005.5			10		
11		338	2090		0.5				1006.3			11		
12		339	2970	+1/2	2.8	+14.9	+12.1		1018.9			12		
13		340	3850		12.2	+21.4			1028.2			13		
14		B.M. 79228	4181		10.1	+26.4			1033.1			14		
15			✓		14.0	+26.1	26.3		1032.9			15	(1032.89)	
16												16		
17						VERTICAL TIE			+0.2			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. 1 PAGE 111 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 7 DY 2 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"/> \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			L/R OR DJ	RIGHT TURNED HORIZONTAL ANGLE	LINE
			SLOPE	HORIZ						INST	ROD				
1	\odot	B.M. 79228								1032.9			1		
2													2		
3	Δ		1330		88-50	14.6	-12.5	1020.4					3		
4		341	770		88-40	9.0	+8.9			1029.3			4		
5		X	0		-	5.2				1015.2			5		
6		342	110		-	12.2				1008.2			6		
7		343	790		93-00	14.8	-66.5			953.9			7		
8	Δ	344	1870		92-00	13.0	-78.2			942.2			8		
9	Δ		1760		-	5.9	+5.9	948.1					9		
10		345	880		-	4.5				943.6			10		
11		346	0		-	5.2				942.9			11	Rock. Hill - Side	
12		347	880		95-30	9.6	-93.6			854.5			12		
13		348	1760		74-20	9.5	-142.1			806.0			13		
14	\odot	349	2640		73-40	12.0	-180.5			767.6			14		
15													15		
16													16		
17													17		

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

SYMBOLS Δ = BACKSIGHT ∇ = INSTRUMENT SET-UP SS = SIDESHOT \odot = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK. BOOK NO. 1 PAGE 112 OF _____
 LINE/LOOP NO. 605. TYPE SURVEY _____ CLIENT _____ DATE 7 DY 2 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		LR OR DR		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1		349										1		
2			1760		89-10	10.3	-	15.3	752.3			2		
3		350	880		89-10	14.2	-	1.4		750.9		3		
4		351	0		-	5.2				747.1		4		
5		352	880		90-30	9.1	-	16.8		735.5		5		
6		353	1760		+1/2	6.6	+8.8	+2.2		754.5		6		
7		354	2640		88-40	12.0	+	49.4		801.7		7		
8			990		90-10	12.9	+	15.8	817.5			8		
9		355	110		-	5.7				811.8		9		
10		λ	0		-	5.2				812.3		10		
11		356	770		89-40	6.7	-	2.2		815.3		11		
12		357	1650		88-30	10.6	+	32.6		850.1		12		
13		B.M. 79241	2245		88-30	9.0	+	49.7		867.2		13		
14										868.4		14		
15								VERTICAL		-1.2		15		
16								TIE				16		
17												17		

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

SYMBOLS Δ = BACKSIGHT ∇ = INSTRUMENT SET-UP SS = SIDESHOT \odot = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK. BOOK NO. 1 PAGE 113 OF _____
 LINE/LOOP NO. 605. TYPE SURVEY _____ CLIENT _____ DATE 8 DY 2 MO 77 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		LR OR DR		RIGHT TURNED HORIZONTAL ANGLE	LINE
				SLOPE					HORIZ	INST				
1	⊙	B.M. 79241										1		
2												2		
3	Δ		285		89-55	2.1	- 2.1	865.5			E	3		
4		35°	0		-	5.2		860.3				4		
5		359	880		92-00	11.5	- 42.2	823.3			W	5		
6	⊙	360	1760		92-00	12.0	- 73.4	792.1				6		
7	Δ		2310		89-30	9.2	- 11.0	781.1				7		
8		361	1430		90-20	13.0	- 21.3	759.8				8	SMALL CREW.	
9		362	550		90-20	13.4	- 16.6	764.5			E	9		
10		∞	0		-	5.2		795.9				10		
11		363	330		-	5.0		776.1			W	11		
12		364	1210		-	10.6		770.5				12		
13	⊙	365	2090		-	13.8	- 13.8	767.3				13		
14	Δ		1760		-	10.0	+ 10.0	777.3				14		
15		366	880		-	9.5		767.8			E	15		
16		367	0		-	5.2		772.1				16		
17		368	880		-	1.0		776.3			W	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. 1 PAGE 114 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 8 DY 2 MO 77 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	 SS	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 DJ		RIGHT TURNED HORIZONTAL ANGLE
			SLOPE	HORIZ				INST	ROD	LINE			
1									777.3			1	
2		369	1760		+ 1/2	10.1	+ 8.8	- 1.3		776.0	W.	2	
3	o	B.M. 79 227	2322		89-50	6.6		+ 0.2		777.5		3	
4										778.6	✓	4	(778.61)
5								VERTICAL		- 1.1		5	
6								TIE				6	
7	Δ		2078		90-10	10.0		+ 16.0		794.6		7	
8		370	1760		- 1/2	8.8	- 8.8	- 17.6		777.0		8	
9		371	880		-	12.3				782.3	E.	9	
10		372	0		-	5.2				789.4	-	10	
11		373	880		-	10.3				784.3	W.	11	
12		374	1760		- 1/2	8.8	- 8.8	- 17.6		777.0		12	
13	o	375	2640		89-50	6.4		+ 1.3		795.9		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. 1 PAGE 115 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 8 DY 2 MO 77 YR
 SURVEYOR C. 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		LINE
				SLOPE					HORIZ	INST			
1	○	375							795.9			1	
2	Δ		1650		90-20	10.7	+ 20.3	816.2				2	
3		376	770		-	11.0			805.2	E		3	
4		X	0		-	5.2			811.0	-		4	
5		377	110		-	7.7			808.5	W		5	
6												6	
7		IRON PIPE	1420		92-50	13.9	- 84.0		732.2	NW		7	OLD IRON PIPE
8		SR 278 L-130							729.0			8	PTY. 1186, 1976
9							VERTICAL TIE		+ 3.2			9	
10		378	770		-	11.7			804.5	W		10	
11		379	1870		90-20	9.5	- 20.4		795.8			11	
12	○	380	2750		90-20	8.8	- 24.8		791.4			12	
13	Δ		2640		89-30	11.8	- 11.2	780.2				13	
14		381	1760		+ 1/2	7.2	+ 8.8	+ 1.6	781.8			14	
15		382	880		-	1.5			778.7	E		15	
16		383	0		-	5.2			775.0			16	
17		384	880		-	10.8			769.4	W		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. 1 PAGE 116 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 8 DY 2 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	ROD					
1									780.2			1		
2		385	1760			70-20	12.4	-	22.6		757.6	W.	2	
3		386	2640			90-30	13.5	-	36.5		743.7		3	
4			2640			70-10	10.9	+	18.6	762.3			4	
5		387	1760			71-40	12.4	-	63.6		698.7		5	CREEK. 110' W.
6		388	880			71-40	5.7	-	30.9		731.4	E	6	
7		389	0			-	5.2				757.1	-	7	
8		390	880			+112	3.2	+	4.4	+1.2	763.5	W.	8	
9		391	1760			89-40	14.0	-	3.8		758.5		9	
10			2640			89-30	2.4	-	20.6	777.9			10	
11		392	1760			89-30	3.0	+	12.4		750.3		11	
12		393	880			-	3.3				734.6	E	12	
13		394	0			-	5.2				732.7	-	13	
14		395	880			89-20	4.7	+	5.5		743.4	W.	14	
15		396	1760			89-20	10.0	+	10.5		748.4		15	TP. RE-BAR.
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 UTUKOK RIVER STATE/COUNTY ALASKA BOOK NO. 1 PAGE 161 OF
 LINE/LOOP NO. 605 TYPE SURVEY CLIENT DATE 19 2 MO 79 YR
 SURVEYOR L. LTMAN INSTRUMENT DESC/SERIAL NO. CREW NO. 1184

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			ROD
1	○	396	TAKE. - 0.11.		SEE PAGE 116				748.4			1	TP.
2												2	
3	Δ		2640		89-30	8.9	- 14.1	734.3				3	
4		397	1760		89-30	6.7	+ 8.7		743.0			4	
5		398	880		89-30	5.0	+ 2.7		737.0	E		5	
6		399	0		-	5.2			729.1	-		6	
7		400	880		91-00	4.1	- 19.5		714.8	W		7	
8	○	401	1760		90-50	12.7	- 32.3		696.0			8	
9	Δ		2640		88-40	8.5	- 52.9	643.1				9	
10		402	1760		88-40	10.6	+ 30.3		673.4			10	
11		403	880		88-40	10.0	+ 10.5		653.6	E		11	
12		404	0		-	5.2			637.9	-		12	
13		405	880		91-00	4.3	- 19.7		623.4	W		13	
14	○	406	1760		90-50	11.5	- 39.1		606.0			14	
15	Δ		880		87-30	6.9	- 31.4	574.6				15	
16		407	0		-	5.2			569.4			16	
17		408	880		94-00	1.6	- 67.8		506.8			17	

WORKED BY L.L.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. 1 PAGE 162 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 19 DY 2 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								574.6			1		
2		409	1760		70-30	7.5	- 22.9		551.7	W	2		
3		410	2240		89-00	4.5	+ 41.6		616.2		3		
4		411	3520		88-05	6.5	+ 116.3		690.9		4		
5		412	4400		87-31-20	14.0	+ 176.0		750.6		5		
6			330		-	4.5	+ 4.5	755.1			6		
7			0		-	5.2			749.9		7	TP.	
8		413	550		92-00	3.2	- 22.4		732.7		8		
9		414	1430		92-00	13.3	- 63.2		691.9		9		
10			1760		87-50	6.0	- 59.7	632.2			10		
11		415	800		89-00	3.0	+ 12.4		644.6	E.	11		
12		416	0		-	5.2			627.0	-	12		
13		417	800		90-30	9.3	- 17.0		615.2	W.	13		
14		418	1760		90-20	8.0	- 19.0		613.2		14		
15		419	2640		90-21-30	14.0	- 30.5		601.7		15		
16											16		
17											17		

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

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

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA UTUKOK RIVER. STATE/COUNTY AK. BOOK NO. 1 PAGE 163 OF
 LINE/LOOP NO. 605. TYPE SURVEY CLIENT DATE 19 DY 2 MO 72 YR
 SURVEYOR L. LTMAN. 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			L/R OR D/I	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1	⊙	419							601.7			1	
2	Δ		1702		89-00	10.1	- 17.6	582.1				2	
3		420	822		89-00	7.3	+ 7.0		589.1	E.		3	
4		4. <u>RSXN</u> <u>605</u>	0		-	5.2			576.9			4	
5												5	
6		460	283		-	10.7			571.4	N		6	
7									572.9			7	
8							VERTICAL TIE.	- 1.5		RC: PAGE.		8	
9		421	58		-	6.5			575.6	W		9	
10		422.	938		71-30	11.0	- 35.5		546.6			10	
11		423.	1818		71-20	11.0	- 53.3		528.8			11	
12	⊙	424	2698		71-00	7.2	- 54.3		527.8			12	
13	Δ		880		88-00	9.0	- 21.7	506.1		E.		13	
14		425	0		-	5.2			500.9	-		14	
15		426.	880		92-00	9.0	- 39.7		466.4	W.		15	
16		427.	1760		92-00	6.0	- 67.4		438.7			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. 1 PAGE 164 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 19 BY 2 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	 	STATION	VERTICAL						ELEVATION		L/R 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				
1									506.1			1		
2		42°	2640		92-04-53	14.0	-	118.8		387.3		2	(9' Boost RIVER)	
3		429	3520		90-50	12.3	-	63.5		442.6		3		
4		430	4405		89-42-03	14.0	+	9.0		515.1		4		
5		431	5280		89-15-13	15.0	+	53.8		559.9		5		
6	⊙	BM. 79225	5608		89-13-30	15.0	+	60.8	+	567.0		6		
7	⊙		✓		270-46-35	15.0	+	61.0	60.9	569.9	✓	7		
8												8		
9								VERTICAL TIE		- 2.9		9		
10												10		
11												11		
12												12		
13												13		
14												14		
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. 1 PAGE 165 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 20 BY 2 MO 97 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 DJ	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE					HORIZ	INST			
1		BM. 79225.							569.9			1	
2												2	
3			550		89-20	7.0	+ 1.4	571.3		E		3	
4		432.	0		-	5.2			566.1	-		4	
5		433	0.0		91-05	11.4	- 26.9		544.5	W.		5	
6		434.	1760		91-05	13.1	- 43.8		529.5			6	
7			2970		89-50	6.7	- 1.9	525.6				7	
8		435	2090		-	9.3			516.3			8	
9		436	1210		-1/2	13.0	- 6.0	- 19.0	506.6			9	
10		437	330		-	6.3			519.3	E		10	
11			0		-	5.2			520.4	-		11	
12		438	550		-	8.6			517.0	W.		12	
13		439.	1430		90-30	9.3	- 21.8		503.8			13	
14			2640		89-50	8.0	+ 0.3	504.1				14	
15		440	1760		90-30	10.0	- 25.4		478.7			15	
16		441	0.0		92-05	8.5	- 39.2		464.9	E.		16	
17		442	0		-	5.2			498.9	-		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. 1 PAGE 166 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 20 DY 2 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	ELEVATION			LIR OR DIR	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE	HORIZ				INST	ROD			
1								504.1			1		
2		443	000		00-40	3.0	+ 17.5		521.6	✓	2		
3		444	1760		00-40	7.0	+ 33.9		538.0		3		
4		445	2640		00-40	7.6	+ 51.8		555.9		4		
5			000		90-40	12.6	+ 22.8	578.7		E.	5		
6		446	0		-	5.3			573.4	-	6		
7		447	000		09-20	5.2	+ 4.4		583.1	W.	7		
8		BM. 79224	977		09-20	7.6	+ 3.8		582.5		8		
9									581.7	✓	9		
10							VERTICAL TIE.		+ 0.8		10		
11											11		
12			783		00-40	8.5	- 9.7	592.0		E.	12		
13		440	0		-	5.2			566.8	-	13		
14		449	000		91-00	10.1	- 25.5		546.5	W.	14		
15		450	1760		91-00	11.0	- 41.7		530.3		15		
16		451	2640		91-00	11.0	- 57.1		514.9		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. 1 PAGE 167 OF _____
 LINE/LOOP NO. 605. TYPE SURVEY _____ CLIENT _____ DATE 20 BY 2 MO 79 YR
 SURVEYOR L. LYMAN. INSTRUMENT DESC/SERIAL NO. Wild T2. CREW NO. 1186.

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> T <input type="checkbox"/> SS <input type="checkbox"/> O	STATION	VERTICAL						ELEVATION		L/R OR D/I	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 										
1	<input type="checkbox"/> O	451.							514.9			1		
2	<input type="checkbox"/> Δ		1430		88-40	12.8	-20.5	494.4				2		
3		452.	550		88-40	7.5	+5.3		499.7	E.		3		
4	<input type="checkbox"/> T		0		-	5.2			489.2	-		4		
5		453	330		93-00	6.7	-23.9		470.5	W.		5		
6	<input type="checkbox"/> O		660		93-30	11.0	-51.2		443.2			6		
7	<input type="checkbox"/> Δ		1760		85-30	12.5	-125.2	318.0				7		
8		454.	1210		89-00	12.8	+50.4		368.4			8		
9		KOKOLIK RIVER.	640		90-17	13.0	-16.2		361.8			9	RIVER - ICE.	
10												10		
11												11		
12		455	330		-	7.4			310.6	E.		12		
13	<input type="checkbox"/> T		0		-	5.2			312.8	-		13		
14		456	550		-	3.7			314.3	W.		14		
15		457	1430		+1/2	6.4	+7.1 -0.7		317.3			15		
16	<input type="checkbox"/> O	458.	2310		89-50	7.5	-0.8		317.2			16	RIVER	
17												17		

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

SYMBOLS

Δ = BACKSIGHT

T = INSTRUMENT SET-UP

SS = SIDESHOT

O = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK. BOOK NO. 1 PAGE 168 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 20 DY 2 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD T2 CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> T <input type="checkbox"/> SS <input type="checkbox"/> O	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	O	458							317.2			1	
2	Δ		1870		7.9	+ 7.9	325.1					2	
3		459	990		6.2				318.9			3	
4		460	110		7.0				318.1	E.		4	
5	T		0		5.2				319.9	-		5	
6		KOKOLIK RIVER	220		14.8				310.3	W		6	
7												7	
8		461	760	85-40	9.0	+ 48.3			373.4			8	
9		462	1640	86-00	7.4	+ 106.7			431.8			9	
10	O		2410	85-41-34	14.0	+ 166.5			491.6			10	
11	Δ		990	-	12.3	+ 12.3	503.9					11	
12		463	820	-	10.6				493.3	E.		12	
13		464	0	-	5.2				498.7	-		13	
14	O		550	-	11.5	- 11.5			492.4	W		14	
15												15	
16												16	
17												17	

RIVER ICE
 COAL DEPOSITS.

WORKED BY L. L. CHECKED BY 1ST _____ 2ND _____
SYMBOLS Δ = BACKSIGHT T = INSTRUMENT SET-UP SS = SIDESHOT O = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK. BOOK NO. 1 PAGE 169 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 20 BY 2 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				ROD
1									492.4			1		
2			2090			-	9.6	+	9.6	502.0		2		
3		465	1760			91-00	5.0	-	36.5			465.5	3	
4		466	880			93-00	4.4	-	50.4			451.6	E	4
5		467	0			-	5.2					496.8	-	5
6		468	880			89-00	6.0	+	9.4			511.4	W	6
7		469	1760			89-00	6.1	+	24.6			526.6		7
8		470	2640			88-50	5.0	+	48.7			550.7		8
9		471	3520			88-40	10.2	+	71.7			573.7		9
10			2640			91-00	7.6	+	53.7	129.4				10
11		472	1760			91-30	12.2	-	58.3			569.1		11
12		473	880			91-30	10.6	-	33.6			593.8	E	12
13		474	0			-	6.0					621.4	-	13
14		475	880			88-10	8.1	+	20.0			647.4	W	14
15		476	1760			88-10	3.3	+	53.0			680.4		15
16		BM. 79223	1967			88-10	5.2	+	57.7			685.1		16
17												682.6		17

WORKED BY _____ CHECKED BY 1ST _____ 2ND _____

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

VERTICAL
TIE # 2.5

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA _____ STATE/COUNTY AK. BOOK NO. 1 PAGE 170 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 21 DY 2 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				ROD
1		BM. 79223							682.6			1		
2												2		
3			170		89-00	10.6	- 1.1	681.5			E	3		
4		477	0		-	5.2			676.3		-	4		
5		478	880		71-20	8.6	- 29.1		652.4		W	5		
6		479	1760		91-00	12.0	- 42.7		638.8			6		
7		480	2640		90-45-35	14.0	- 49.0		632.5			7		
8			3520		90-19-10	14.0	+ 33.6	666.1				8		
9		481	2640		90-30	8.5	- 31.5		634.6			9		
10		482	1760		90-40	12.7	- 33.2		632.9			10		
11		483	880		90-40	12.6	- 22.8		643.3		E	11		
12		484	0		-	5.2			660.9		-	12		
13		485	880		89-00	8.3	+ 7.1		673.2		W	13		
14		486	1760		89-04-23	14.0	+ 14.5		680.6			14		
15		487	2640		89-14-35	15.0	+ 19.9		686.0			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. 1 PAGE 171 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 21 DY 2 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. WILD. T3 CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> SS <input type="checkbox"/> ⊙	STATION	VERTICAL						ELEVATION		L/R OR D/R	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	⊙	407											1	
2	Δ		2640			90-29-20	14.0	+ 36.5	722.5				2	
3		400	1760			90-40	9.0	- 29.3					3	
4		409	800			90-40	13.8	- 24.0				E	4	
5		490				-	5.2					-	5	
6		491	800			89-00	5.2	+ 10.2				W.	6	
7		492	1760			88-30	8.6	+ 37.5					7	
8	⊙	493	2640			88-17-04	14.0	+ 65.0					8	
9	Δ		1760			90-20	13.0	+ 23.2	810.7				9	
10		494	800			-	13.5					E	10	
11		495	0			-	5.4					-	11	
12	⊙	496	800			90-20	14.4	- 19.5				W.	12	
13	Δ		800			87-20	7.7	- 33.2	758.0				13	
14		497	0			-	5.2					-	14	
15		498	800			-	11.7						15	
16		499	1760			88-00	1.0	+ 59.6					16	
17	⊙	505	2640			87-00	8.5	+ 129.5					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. 1 PAGE 172 OF _____
 LINE/LOOP NO. 605 TYPE SURVEY _____ CLIENT _____ DATE 21 DY 2 MO 79 YR
 SURVEYOR L. LTMAN. INSTRUMENT DESC/SERIAL NO. _____ CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> ∇ <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			L/R OR D/H	RIGHT TURNED HORIZONTAL ANGLE
			SLOPE	<input type="checkbox"/> FEET <input type="checkbox"/> METERS HORIZ					INST	ROD			
1	\odot	500							887.5			1	
2	Δ		000		92.30	10.8	+ 49.1	936.6		E		2	Rock - Ridge.
3		501	0		-	5.2			931.4	-		3	
4	\odot	BM-79222	204		-	3.3	- 3.3		933.3	W.		4	
5									929.8			5	
6							VERTICAL TIE.		+ 3.5			6	
7												7	
8	Δ		600		00-00	0.5	- 15.2	914.6		E		8	
9		502	0		-	5.2			909.4	-		9	
10		503	000		71-40	11.2	- 36.8		877.8	W.		10	
11	\odot	504	1760		91-50	14.5	- 70.2		843.8			11	
12	Δ		2140		07.00	5.3	- 132.7	711.1				12	
13		505	1760		07-20	0.4	+ 73.4		784.5			13	
14		506	000		00-00	2.6	+ 28.1		739.2	E		14	
15		507	0		-	5.2			705.9	-		15	
16		508	000		91-00	11.1	- 26.5		684.6	W.		16	
17												17	

WORKED BY L. J. L. CHECKED BY 1ST _____ 2ND _____
SYMBOLS Δ = BACKSIGHT ∇ = INSTRUMENT SET-UP SS = SIDESHOT \odot = FORESIGHT

HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA UTUKOK RIVER STATE/COUNTY AK. BOOK NO. 1 PAGE 173 OF
 LINE/LOOP NO. 605 TYPE SURVEY CLIENT DATE 21 DY 2 MO 77 YR
 SURVEYOR L. LTMAN. INSTRUMENT DESC/SERIAL NO. CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> ∇ <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			L/R OR DJI	RIGHT TURNED HORIZONTAL ANGLE	
				SLOPE ∇					HORIZ ∇	INST				ROD
1														
2		509	1760		91-00	11.6	-	42.3		711.1				
3	∇	510	2640		91-03	14.0	-	62.4						
4	Δ		2640		89-54-14	14.0	+	9.6		658.3				
5		511	1760		89-54-14	14.7	-	11.7						
6		512	880		91-30	12.5	-	35.5						
7		513	0		-	5.3								
8	\odot	514	880		89-05	9.3	+	21.4						
9	Δ		880		90-20	12.5	+	17.6		697.3				
10		515	0		-	5.2								
11		516	880		89-05	4.2	+	11.2						
12	\odot	BM. 79221	936		89-00	2.9	+	13.4						
13		\neq 605/630								710.7				
14										708.7				
15										VERTICAL TIE. +2.0				
16														
17														

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HORIZONTAL AND VERTICAL SURVEY NOTES

GSI AREA UTUKOK RIVER STATE/COUNTY AK BOOK NO. 1 PAGE 174 OF
 LINE/LOOP NO. 605 TYPE SURVEY CLIENT DATE 21 DY 2 MO 79 YR
 SURVEYOR L. LYMAN INSTRUMENT DESC/SERIAL NO. CREW NO. 1186

LINE	<input type="checkbox"/> Δ <input type="checkbox"/> ∇ <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			L/R OR DI	RIGHT TURNED HORIZONTAL ANGLE
				SLOPE	HORIZ					INST	ROD			
1	\odot	BM. 79221								708.7			1	
2													2	
3	Δ		1704			91-43-13	14.0	+ 65.1	773.8				3	
4		517	$\odot\odot\odot$			91-20	13.2	- 33.7		740.1	E		4	
5		518	0			-	5.2			768.6	-		5	
6		519	$\odot\odot\odot$			89-05	6.0	+ 9.4		783.2	W.		6	
7		520	1760			89-05	9.7	+ 21.0		794.8			7	
8													8	
9	\odot	BM. 79220	1600			87-40	5.0	+ 60.1		833.9	SW.		9	
10										832.2			10	
11									VERTICAL				11	
12									TIE		+ 1.7		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 \odot = FORESIGHT SS = SIDESHOT