

STADIA SURVEY NOTES

AREA UTUKOK RIVER. STATE or PROVINCE ALASKA. PAGE No. 1
 LINE No.(s) 63 PARTY No. 1186 DATE 14 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR SPRAGUE RODMAN STEVE KONA WEATHER: -8° 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			T. 0	TR 1			STA	KALA				268.0				
3																
4	NW 13 10	✓						8.7		12.7	270.7		Δ			
5	✓		270 06 25					5.0		2.7			CK			
6	SE 126 5	✓						6.8		-6.8	263.9		○			
7	✓		269 53 15					5.0		-6.8			CK.			
8	NW 174 0	✓						0.9		+1.0	264.9		Δ			
9	✓		270 07 40					5.0		+1.1			CK.			
10	SE 123 5	✓						5.2		-5.2	259.7		○			
11	✓		269 59 40					5.0		-5.2			CK.			
12	NW 189 0	✓				T	6.2	9.45	3.2	-3.2	256.6		Δ			
13	✓		270 14 54					5.0		3.1			CK			
14	SE 24 40	✓						9.2		-9.3	247.3		○			
15	✓		268 54 10					5.0		-9.3			CK			
16	NW 144 0	✓						12.7		12.7	260.1		Δ			260°
17	✓		269 41 32					5.0		12.8			CK.			
18	0							4.8			255.3		T. TR. 1			FE BAR.
19	SE 19 40	✓						2.5		-2.6	257.4		○			
20	✓		270 09 18					5.0		-2.6			CK.			

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STADIA SURVEY NOTES

AREA UTUKOK RIVER STATE or PROVINCE ALASKA PAGE No. 2
 LINE No.(s) 63 PARTY No. 1186 DATE 14 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR SPRAGUE RODMAN S. KOHLER WEATHER: -8° P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1																
2																
3	NW	1390	✓					7.0		+7.0	264.5	Δ				
4		✓		269 55 00				5.0		+7.1		CK				
5	SE	1560	✓				T 8.1	7.8		-0.4	264.2	○	264			
6		✓		270 10 25				5.0		-0.3		CK				
7	NW	1540	✓					4.0		+4.0	268.2	Δ				
8		✓		270 02 11				5.0		+4.1		CK				
9	SE	1660	✓					3.1		-3.2	265.1	○				
10		✓		270° 04 00				5.0		-3.1		CK				
11	NW	1560	✓					3.3		+3.4	268.5	Δ	268			
12		✓		270 03 35				5.0		+3.4		CK				
13		0						5.0			263.5	K	TP2	REBAR.		
14	SE	1960	✓					8.6		-8.7	259.7	○				
15		✓		269 53 26				5.0		-8.8		CK				
16	NW	1350					T 4.5	6.7		-2.2	257.5	Δ	255			
17		✓		270 18 21				5.0		-2.2		CK				
18	SE	780		90 40 00				14.0		-23.1	234.4	○				
19		✓		269 02 24				10.0		-23.1		CK				
20																

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STADIA SURVEY NOTES

AREA UTUKOK RIVER STATE or PROVINCE ALASKA PAGE No. 3
 LINE No.(s) 63 PARTY No. 1186 DATE 14 Day 3 Mo 77 Yr. BOOK No. _____
 SURVEYOR SPPAGUE RODMAN S. KOHLER WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1																
2																
3	NW	2460		89 30 00				5.6		75.7	218.7		Δ		2.8*	
4		✓		270 23 29				1.0		-15.7			CK			
5	SE	1920		88 50 00				3.3		+35.7		254.4	○			
6		✓		271 12 58				5.0		+35.7			CK			
7	NW	1980	✓			B	14.6	9.9	24.5	-24.6	279.0		Δ			
8		✓		269 39 52				13.0		+24.6			CK			
9	SE	1090	✓			T	2.3	5.5		+3.1		282.2	○			
10		✓		270 13 07				1.0		+3.1			CK			
11	NW	450	✓					5.2		+5.2	287.4		Δ			
12		✓		270 06 29				6.0		+5.2			CK			
13	SE	870	✓					5.2				282.1		TP 3	TEBAR.	
14		0						5.0				282.4	T	615		
15	SW	2090	✓			B	7.1					269.7			12 T.S.	
16	NE	1760	✓			T	12.3			-3.6		283.7	○	614	283.3	
17		✓		270 02 34				5.0		-3.7			CK			
18																
19																
20																

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STADIA SURVEY NOTES

AREA UTUKOK RIVER STATE or PROVINCE ALASKA PAGE No. 4
 LINE No.(s) 63 PARTY No. 1186 DATE 14 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR SPRAGUE RODMAN G. CONRAD WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Δ B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2																
3																
4	NE	1320		88 56 16					3.0	21.4	248.3	269.7	△	RE: Pg. 3 LN 15		#12 T.S.
5		0							5.0			243.3	τ			#18 T.S.
6	SW	1320		91 48 18					3.0	24.6		203.7	○			#12 T.S.
7																
8																
9																
10																
11																
12																
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14																
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STADIA SURVEY NOTES

AREA UTUKOK RIVER. STATE or PROVINCE ALASKA. PAGE No. 5
 LINE No.(s) 63 PARTY No. 1186 DATE 14 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR SPRAGUE RODMAN G. CONRAD. WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2																
3	SW	1760	✓				T	9.5		0.8	28A.5		283.7	Δ		PE. P#3 LN16.
4		✓		270	08	23			5.0	0.8				CK.		SP 61A
5		0							5.0				279.5	T		613
6	NE	1760	✓						3.7	-3.8			280.6	0		612 280.1
7		✓		270	02	12			5.0	-3.9						
8	SW	2530	✓						9.5	19.6	290.4			Δ		
9		✓		270	00	19			10.0	19.8				CK.		
10		770	✓						7.3				280.6		611	283.1
11		0							5.0				285.4			GP 5
12	NE	990	✓						9.2	-9.2			281.1	0	610	TP5 TEBAR
13		✓		269	55	29			8.0	-9.3				CK.		280.6
14	SW	2530		89	10	00			6.5	30.2	251.1			Δ		
15		✓		270	43	34			2.0	30.0				CK.		
16		1540	✓						1.0				250.1			GP 4
17		770	✓						4.0				247.1		609	
18		0							5.0				246.1	T		GP 5
19		990	✓						5.4				245.7		608	
20																

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AREA UTUKOK. STATE or PROVINCE ALASKA. PAGE No. 6
 LINE No.(s) 63 PARTY No. 1186. DATE 15 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR SPRAGUE RODMAN CONRAD. WEATHER: LIGHT FOG. 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																
3	NE	2750	✓						1.7	-1.9		249.0	○	607	248.4	
4		✓		270 02 40					5.0	-2.0			CK			
5	SW	1760		89 40 00					10.8	-0.6	249.7		△			
6		✓		270 14 05					8.0	-0.7			CK			
7		770	✓						1.0			248.7			GP4	
8		0							5.0			244.7	κ	606		
9		1760	✓						7.3			242.4		605		
10	NE	2530	✓							-1.7		247.9	○		GP5	
11		✓		270 00 11					2.0	-1.8			CK		247.3	
12	SW	990	✓						6.0	+6.0	254.0		△			
13		✓		270 06 33					8.0	+6.1			CK			
14		0							5.0			249.0	κ	60A	T.P. 6 REBAR.	
15		1760	✓						9.9			244.1		603		
16	NE	2530	✓						9.2	-9.3		244.5	○		GP5.	
17		✓		269 54 00					5.0	-9.4			CK		243.8	
18																
19																
20																

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AREA UTUKOK RIVER STATE or PROVINCE ALASKA PAGE No. 7
 LINE No.(s) 63 PARTY No. 1186 DATE 15 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR SPRAGUE RODMAN G. CONRAD WEATHER: _____ 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	Correction	Center Hair			INST.	ROD		
1															
2															
3															
4	SW	2750	✓								4.8	+5.0	249.7	Δ	
5		✓		270	01	02					6.0	+5.1		CK.	
6		1760	✓								3.7		246.0		602
7		0									5.0		244.7	κ	601 TP 7 REBAR.
8		1760	✓				B.	14.7	8.8		23.5		226.2		600
9	NW	2090		90	30	00					14.8	-33.1	216.5	○	GP. 1
10		✓		269	25	06					12.0	-33.2		CK.	215.8
11	SW	2420		88	32	06					2.0	-59.8	156.9	Δ	
12		1		271	31	43					5.0	-59.6		CK.	
13		990		88	50	00					1.6		175.4		599
14		0									5.0		151.9	κ	604
15		770		92°	20	00					12.6		112.9		598 OMIKMIKTUSUK R.
16	NW	2530	✓								6.1	-6.2	150.4	○	597
17		✓		269	57	58					5.0	-6.4		CK.	149.6
18															
19															
20															

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STADIA SURVEY NOTES

AREA UTUKOK RIVER. STATE or PROVINCE ALASKA. PAGE No. 8
 LINE No.(s) 63 PARTY No. 1186 DATE 15 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR SPRAGIE RODMANG. CONFAD. WEATHER: _____ 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															
2															
3	SW	2530		90 40						+11.5	192.0		Δ		
4		✓		269 21 08						+11.6			CK.		
5		1210		92 07 47								144.0		✓	GP 3
6		770		92 16 40								158.4		596	
7		0										187.0	✕		GP 5
8		990		89 00								204.8		595	
9	NE	2150		89 10						+26.4		218.5	○	594	217.6
10		✓		210 50 44						+26.4			CK		
11	SW	2150	✓	#						+11.5	230.1		Δ		
12		✓		269 58 00						+11.6			CK.		
13		990	✓									224.5		593	
14		0										225.1	✕		GP 4
15		770	✓									224.1		592	
16	NE	2530	✓							-10.1		219.7	○	591	TR 8
17		✓		269 58 19						-10.3			CK.		218.8
18															
19															
20															

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STADIA SURVEY NOTES

AREA UTUKOK RIVER. STATE or PROVINCE ALASKA. PAGE No. 9
 LINE No.(s) 63 PARTY No. 1186. DATE 15 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR SPRAGUE RODMAN G. CONRAD WEATHER: WINDY. 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															
2															
3	SW	2750	✓			T	12.4	13.8	-1.4	-1.2	218.8	△			
4				270	03 44				2.0	-1.0		CK			
5		990	✓						1.6		217.2		590		
6		0							5.0		213.8	x		GP 4	
7		770	✓						7.3		211.5		589		
8	NE	2530	✓			B	8.4	12.7	21.1	-21.2	197.5	○	588	196.5	
9			✓	269	48 35				13.0	-21.4		CK.			
10	SW	2090	✓						5.1	+5.2	202.8	△			
11			✓	270	02 43				7.0	+5.3		CK.			
12		330	✓						5.6		197.2		587		
13		0							5.0		197.8	x		GP 7	
14		1430	✓			B	11.5	7.1	18.6		184.2		586		
15	NE	2420		90	30 00				8.2	-29.4	173.3	○		GP 4	
16			✓	269	36 35				13.0	-29.5		CK.		172.2	
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA UTUKOK RIVER. STATE or PROVINCE ALASKA. PAGE No. 10
 LINE No.(s) 63 PARTY No. 1186. DATE 15 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR SPRAGUE RODMAN G. CONRAD. WEATHER: WINDY. P.T.S. No. _____

LINE	Searing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1																
2																
3	SW	2200		89 08 42				2.0		30.7	142.7		Δ			
4		✓		270 49 18				1.0		30.6			CK.			
5		1430	✓				T	7.0	7.1			142.8		585		
6		880		92 00 00				13.7				98.3			GP. 6 CREEK.	
7		0						5.0				137.7	T		GP 2	
8		330		89 00 00				2.9				145.5		584		
9	NE	2090		88.50				5.4		+37.1		179.6	0	583	178.5	
10		✓		271 05 33				3.0		+36.9			CK.			
11	SW	1760	✓				B	10.2		719.1	198.7		Δ			
12		✓		269 46 01				12.0		719.1			CK.			
13		0						5.0				193.7	T	582		
14	NE	1760	✓					5.9		-6.0		192.7	0	581	191.5	
15		✓		269 51 57				5.0		-6.0			CK.			
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 11.
 LINE No.(s) 62. PARTY No. 1186. DATE 21 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN. RODMAN M.H. 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												192.7	0	581.	
2		2090		+ 1/2				+ 11.4	- 10.5	+ 0.9		193.7			
3		✓		270-10				+ 7.3		+ 1.2	110			CK.	
4	W	330	-					- 4.0				189.7		580	Tp. 9 (REBAR)
5		0	-					- 5.2				188.5		-	
6	E	1430	-					- 6.5		- 6.5	6.2	187.1	0	579.	185.9
7		✓		270-10				- 10.9		- 6.7				CK	
8		2090		+ 1/2				+ 6.5	- 10.5	- 4.0		183.2			
9		✓		270-20				+ 8.5		- 3.7	3.9			CK.	
10	W	330	-					- 1.9				181.3		578	
11		0	-					- 5.6				177.6		-	
12	E	1430		91-30				- 10.9		- 48.3	47.4	134.8	0	577.	133.6
13		✓		268-20				- 7.0		- 48.6				CK	
14		2050		88-40				+ 8.8		- 37.8	37.7	95.1			
15		✓		271-10				+ 3.0		- 39.5				CK	
16	W	330	-					- 7.7				87.4		576	
17		0	-					- 5.2				89.9		-	
18	E	1430		+ 1/2				- 3.2	+ 7.2	+ 4.0		99.0	0	575	977
19		✓		270-30				- 8.7		+ 3.8	3.9			CK	
20															

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 12.
 LINE No.(s) 63 PARTY No. 1181 DATE 21 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN. RODMAN M.H. WEATHER: -40° 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												99.0	o	575.		
2		3190		91-00				+	13.7	+ 69.4		168.6		Δ		
3		✓		268-59-48				+	14.0	+ 69.9	69.6			CK		
4	W	1430		269-00				-	8.5	- 33.5		135.1		574.		
5		o	-					-	5.2			163.4		-		
6	E.	330	-					-	6.1			162.5		573.		
7		2090	-					-	10.7	- 10.7	10.9	157.7	o	572.	156.4	
8		✓		269-50				-	5.0	- 11.1				CK		
9		1760		89-10				+	7.3	- 12.3	12.2	139.5		Δ		
10	W	✓		271-00				+	12.7	- 12.0				CK		
11		o	-					-	5.2			134.3		571.		
12	E	1760		91-40				-	13.0	- 64.2	64.3	75.2	o	570.	73.8	
13		✓		268-10				-	8.1	- 64.4				CK		
14		1760		91-50				+	12.3	+ 62.6		143.7		Δ		
15	W	✓		268-00				+	7.4	+ 12.8	62.7			CK		
16		o	-					-	5.2			138.7		569		
17	E	1760	-					-	8.5	- 2.5		135.2	o	568	133.8	
18		✓		270-10				-	13.9	- 2.8	2.7			CK		
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 13.
 LINE No.(s) 13. PARTY No. 1186. DATE 21 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN. RODMAN M.H. WEATHER: -40° 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												135.2	0	568		
2		1760	-					+ 10.2		+ 10.2		145.6	Δ			
3	W	✓		269-50				+ 5.4		+ 10.5	10.4		CK.			
4		0	-					- 5.2				140.4		567		
5	E	770		91-00				- 11.2		- 28.5		117.1		-		
6		1760	-					- 10.2		- 10.2		135.2	0	566.	133.7	
7		✓		269-50				- 5.5		- 10.6	10.4		CK			
8		1210	-					+ 7.2		+ 7.2		144.5	Δ			
9	W	✓		270-10				+ 12.9		+ 9.4	9.8		CK			
10		0	-					- 5.2				139.3		-		
11	E	550		90-30				- 14.1		- 18.7		125.6		565.		
12		2310		89-30				- 9.1		+ 11.1		155.3	0	564.	153.8	
13		✓		270-36-32				- 14.0		+ 10.5	10.8		CK			
14																
15																
16																
17																
18																
19																
20																

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2nd

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 14.
 LINE No.(s) 63. PARTY No. 1186. DATE 22 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN. RODMAN M. H. WEATHER: - 40° P.T.S. No. _____

LINE	Bearing of Sight	Stadio 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												155.3	0	564	
2		1760	-					+	0.7	+0.7	156.0		Δ		
3	W	✓		270-20				+	10.9	+0.7			CK		
4		0	-					-	5.2			150.8		563.	
5	E	1760		89-40				-	3.4	+6.8		162.8	0	562.	161.2
6		✓		270-30				-	8.6	+6.8			CK.		
7		1760		71-05				+	12.8	+43.5			Δ		
8	W	✓		268-50				+	8.0	+43.8	43.7	206.5		CK	
9		0	-					-	5.2			201.3		561	
10	E.	1760		89-40				-	7.3	+2.9		209.4	0	560	Tp. 17 (PERAR)
11		✓		270-30				-	12.5	+2.9			CK		207.8
12		1760	-					+	11.0	+11.0	220.4		Δ		
13	W	✓		269-50				+	5.9	+11.0			CK		
14		0	-					-	6.0			214.4		559	
15	E	1760		+112				-	9.1	+2.8	-0.3	220.1	0	558.	218.4
16		✓		270-20				-	10.2		-0.4		CK		
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 15.
 LINE No.(s) 63. PARTY No. 1186 DATE 22 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN. RODMAN M.H. WEATHER: -40° 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												220.1	○	558.		
2		1760	-					+	10.0	+ 10.0		230.2	△			
3	W	✓		269-50				+	5.1	+ 10.2	10.1		CK			
4		0	-					-	5.3			224.9		557		
5	E.	1760	-					-	1.9	- 1.9	2.0	228.2	○	556.	226.5	
6		✓		270-10				-	7.2	- 2.1			CK			
7		1760	-					+	7.2	+ 7.2		235.5	△			
8	W	✓		170-10				±	12.5	+ 7.4	7.3		CK			
9		0	-					-	5.3			230.2		555.		
10	E.	1760	-					-	7.3	- 7.3	7.4	228.1	○	554.	226.4	
11		✓		270-10				-	12.6	- 7.5			CK			
12		1760	-					+	7.3	+ 7.3		235.4	△			
13	W	✓		270-10				+	12.4	+ 7.3			CK			
14		0	-					-	5.2			230.2		553		
15	E	1760	-					-	3.6	- 3.6	5.7	231.7	○	552.	TP. 12 / REBAR	
16		✓		270-20				-	14.0	- 3.8			CK		229.9	
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 16.
 LINE No. (s) 63 PARTY No. 1186 DATE 23 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN. RODMAN M. H. 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.			
1											231.7	0	552	(IRON-PIPE)	
2		1760		89-05				+	17.9	-16.8	214.9				
3	W.	✓		270-50				+	8.9	-16.7					
4		0	-					-	5.2		209.7		551		
5	E.	1430		-112				-	8.7	-7.1 -15.8	199.1	0		197.3	
6		✓		269-50				-	11.7	-15.9					
7		2090		89-10				+	7.5	-22.9	22.8 176.3				
8		✓		271-00				+	13.8	-22.7					
9	W	1760		270-30				-	7.3	+8.1	184.4		550		
10		0	-					-	5.4		170.9		549.		
11	E.	1710		89-30				-	8.8	+6.6 +	182.8	0	548	180.9	
12		✓		270-40				-	14.1	+6.4 6.5					
13		1210	-					+	6.7	+6.7	189.5				
14	W	✓		270-10				+	10.3	+6.8					
15		0	-					-	5.2		184.3		-		
16	E	550	-					-	15.0		174.5		547		
17		2310		90-40				-	10.9	-37.8	151.6	0	546.	149.7	
18		✓		269-10				-	4.4	-38.0 37.9					
19															
20															

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 17.
 LINE No.(s) 63. PARTY No. 1181. DATE 23. Day 3. Mo. 77. Yr. BOOK No. _____
 SURVEYOR L. LYMAN. RODMAN M.H. 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													151.6	o	546	
2		2090		+1/2				+ 13.5	-10.5	+3.0		154.7	Δ			
3		✓		270-10				+ 9.3		+3.2	3.1		ck.			
4	W	330	-					- 7.0				145.7		545		
5		o	-					- 5.2				149.5		-		
6	E	1430	-					- 3.5		-3.5		151.2	o	544.	149.2	
7		✓		270-20				- 11.9		-3.6			ck			
8		1760		-1/2				+ 6.8	+8.8	+15.6		166.8	Δ			
9	W	✓		269-50				+ 10.6		+15.7			ck			
10		o	-					- 6.0				160.8		543.	Tp. 13. (REBAR)	
11	E	1760	-					- 11.2		-11.2		155.6	o	542		
12		✓		269-50				- 6.2		-11.3			ck.		153.6	
13		2310		89-10				+ 6.7		-26.9		128.8	Δ			
14		✓		271-00				+ 13.6		-26.7	26.8		ck			
15	W	550	-					- 12.0				116.8		541.		
16		o	-					- 5.2				123.6		-		
17	E	1210		89-00				- 4.3		+16.8		145.6		540.		
18		1760		88-50				- 5.5		+30.3		159.0	o		156.9	
19		✓		271-20				- 10.9		+30.0	30.2		ck.			
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 18.
 LINE No.(s) 63 PARTY No. 1186 DATE 23 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN M. H. WEATHER: -30° / CLEAR 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	Correction	Center Hair			INST.	ROD			
1												159.0	0			
2		1210		-1/2				+	12.9	+6.1	+19.0	178.0				
3	W	✓		269-40				+	12.0		+19.0			CK		
4		0	-					-	5.3			172.7		539		
5	E	1760		89-30				-	6.4	+9.0	+	186.9	0	538	184.8	
6		✓		270-40				-	11.7	+8.8	8.9			CK		
7		1760	-					+	11.8	+11.8	+	178.8				
8	W	✓		269-50				+	6.9	+12.0	11.9			CK		
9		0	-					-	5.5			193.3		537	Tp 14. (REBAR)	
10	E	1430		-1/2				-	10.1	-7.1	-17.2	17.4	181.4	0		
11		✓		269-50				-	12.3		-17.5			CK	179.3	
12		2090	-					+	10.8	+10.8	+	192.4				
13		✓		269-50				+	5.1	+11.2	11.0			CK		
14	W	1710		-1/2				-	14.5	-8.8	-23.3		169.1		536	VALLY.
15		1210	-	268-00				-	5.4	-47.9	-5.4		142.5		535	
16	E	1760		89-10				-	10.4	+15.2	+	207.5	0	534	205.3	
17		✓		270-56-30				-	14.0	+14.9	15.1			CK		
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK PAGE No. 19
 LINE No.(s) 63 PARTY No. 1181 DATE 23 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN M. H. WEATHER: -30° 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	Correction			Center Hair	INST.		
1											207.5	o	534	
2		1760	-					7.8	+7.8		215.4	Δ		
3	W	✓		270-10				13.1	+8.0	7.9		ck		
4		o	-					5.1			210.3		533	Tp. 15. (REBAR)
5	E	1760	-					13.8	-13.8	14.0	201.4	o	532	299.2
6		✓		267.50				9.0	-14.1			ck		
7		1760	-					14.0	+14.0	14.1	215.5	Δ		
8	W	✓		269.50				9.1	+14.2			ck		
9		o	-					5.2			210.3		531	
10	E	1760		-1/2				10.5	-9.8	-19.3	196.2		530	
11		2310	-					11.6	-11.6	11.7	203.8	o		201.5
12		✓		269.50				5.1	-11.8			ck		
13		1210	-					7.4	+7.4		211.2	Δ		
14	W	✓		270-10				11.0	+7.5			ck		
15		o	-					5.2			206.0		529	
16	E	1760	-					11.5	-11.5	11.7	199.5	o	528	197.2
17		✓		267.50				6.7	-11.8			ck		
18														
19														
20														

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK PAGE No. 20
 LINE No.(s) 63 PARTY No. 1186 DATE 24 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN M.H. WEATHER: -40° 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												199.5	0	528		
2		1210	-					+	5.1	+5.1	204.6		Δ			
3	W	✓		270-20				+	12.2	+5.2			ck			
4		0	-					-	5.2			199.4		-		
5	E.	550	-					-	7.6			197.0		527.		
6		2310	-					-	12.3	-12.3	12.5	192.1	0	526.	189.7	
7		✓		269-50				-	6.0	-12.7			ck			
8		1760	-					+	2.8	+2.8	194.9		Δ			
9	W	✓		270-20				+	13.1	+2.9			ck			
10		0	-					-	5.2			189.7		525.		
11	E.	1760		+1/2				-	9.2	+8.8	-0.4	194.5		524.		
12		2740		89-30				-	7.3	+16.6		211.5	0		209.1	
13		✓		270-38-14				-	14.0	+16.5			ck			
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 21.
 LINE No.(s) 63 PARTY No. 1184. DATE 24. Day 3. Mo. 77. Yr. BOOK No. _____
 SURVEYOR L. LYMAN. RODMAN M. H. WEATHER: COLD. / CLEAR. 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												211.5	0			TP. 17. (REBAR).
2		1760		89-20				+ 6.4	- 13.9	197.6			Δ			
3		✓		270-50				+ 11.7	- 13.9				ck			
4	W	990		270-40				- 5.1	+ 6.4			204.0		523		
5		0	-					- 5.2				192.4		-		
6	E.	770		91-00				- 13.5	- 26.9			170.7		522.		
7		1320		91-20				- 14.0	- 44.7			152.9	0		150.5	
8		✓		268-30				- 10.3	- 44.8				ck			
9		1980		+ 112				+ 1.4	- 7.9	- 8.5	144.5		Δ			
10		✓		270-40				+ 14.7	- 8.3				ck			
11	W	770		267-00				- 9.5	- 49.7			94.8		521.		
12		0	-					- 5.2				139.3		-		
13	E.	990		89-00				- 4.5	+ 12.8			157.3		520.		
14		1980		89-00				- 6.4	+ 28.2			172.6	0		170.1	
15		✓		271-10				- 12.4	+ 27.9	28.1			ck			
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK PAGE No. 22
 LINE No.(s) 63 PARTY No. 1186 DATE 24 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN M.H. WEATHER: - 35° P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		2520		-1/2					+ 11.6	+12.6	+24.2	+	172.6	0		
3		✓		269-40					+ 9.9		+24.6	24.4	197.0	Δ		
4	W	1760		-1/2					- 7.7	-8.8	-11.5		180.5	CK	519	
5		0		-					- 5.2				191.8		518	
6	E	1760		-1/2					- 10.1	-8.8	-18.9	77.0	178.0	0	517	175.4
7		✓		269-50					- 14.0		-17.1			CK		
8		1760		89-00					+ 9.3		-21.4		156.7	Δ		
9	W	✓		270-50					+ 4.5		-21.1	21.3		CK		
10		0		-					- 5.2							
11	E	1760		91-30					- 7.5		- 55.6		151.5		516	
12		2310		90-40					- 13.3		- 40.2	40.5	101.1		515	
13		✓		269-10					- 6.2		- 40.4		116.4	0		113.8
14		1210		-1/2					+ 12.9	+6.1	+19.0		135.4	Δ		
15	W	✓		269-40					+ 12.1		+19.1			CK		
16		0		-					- 5.2							
17	E	1760		+1/2					- 12.0	48.8	- 3.4		130.2		514	
18		✓		270-20					- 13.6		- 3.4		132.0	0	513	129.4
19														✓		
20																

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L.J.L

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK PAGE No. 23
 LINE No.(s) 63 PARTY No. 1184 DATE 24 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN 17# WEATHER: -30° / foggy 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												132.0	0	513		
2		1760		91-10				+ 10.2		+ 46.0	+ 46.2	178.2	Δ			
3	W	✓		268-40				+ 5.4		+ 46.3			CK			
4		0	-					- 5.2				173.0		512		
5	E	1760		89-20				- 8.2		+ 11.9	+ 11.8	190.0	0	511	187.3	
6		✓		270-30				- 3.8		+ 11.6			CK			
7		1760		-112				+ 6.7	+ 8.8	+ 15.5	+ 15.6	205.6	Δ			
8	W	✓		269-50				+ 10.6		+ 15.7			CK			
9		0	-					- 5.3				200.3		510		
10	E	1760		+112				- 6.9	+ 8.8	+ 1.9	+ 1.8	207.4	0	509	Top 19 (REBAR)	
11		✓		270-20				- 8.6		+ 1.6			CK		204.7	
12		1760		89-20				+ 3.0		- 17.5		189.9	Δ			
13	W	✓		271-00				+ 13.3		- 17.4			CK			
14		0	-					- 5.2				184.7		508	LAKE ICE.	
15	E	1760		-				- 4.4		- 4.4		185.5	0	507	182.7	
16		✓		270-10				- 9.5		- 4.4			CK			
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 24.
 LINE No.(s) 63 PARTY No. 1186 DATE 24 Day 3. Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN. RODMAN M. H. WEATHER: - 30° / CLEAR. P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												185.5	0	507		
2		1760		90-50				+	13.0		+ 38.6	224.1				
3	W	✓		269-11-43				+	14.0		+ 38.7					
4		0	-					-	5.2			218.9		506		
5	E	1760	-					-	3.7		- 3.7	220.4	0	505		217.6
6		✓		270-10				-	8.9		- 3.8					
7		1760	-					+	5.2		+ 5.2	225.6				
8	W	✓		270-10				+	10.6		+ 5.5					
9		0	-					-	5.2			220.4		504		
10	E	1760	-					-	6.5		- 6.5	218.7	0	503		216.0
11		✓		270-10				-	11.9		- 6.9					
12		1760	-					+	14.4		+ 14.4	233.3				
13	W	✓		269-40				+	4.3		+ 14.5					
14		0	-					-	5.2			228.1		502		" "
15	E	1680		89-30				-	2.9		+ 5.8	238.9	0	TR1		STA. OMEGA
16		✓		270-20				-	4.4		+ 5.4					Top of BRASS- CAP.
17											govt. VALUE.	236.0				U.S.E. 1955
18											VERTICAL TIE	+ 2.9				BRASS- CAP. 238.0
19																
20																

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L.J.L.

CHECKED BY 1st

2nd

AK

L.J.L.
MARCH 24/77.

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK PAGE No. 25
 LINE No.(s) 63 PARTY No. 1186 DATE 25 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN M. H. WEATHER: - 30° / CLEAR 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												236.2	0		TRI- STA OMEGA	
2															TOP of BRASS	
3															CAP. (1955)	
4																
5		1860		89-40				+ 2.2	- 8.6	8.5	227.5		Δ			
6		✓		270-30				+ 7.8	- 8.4				CK			
7	W	1760		170-30				- 10.7	+ 4.7		232.2			501		
8		0	-					- 5.2			222.3			500		
9	E	1760		70-30				- 12.7	- 28.3	28.4	179.1	0		499		
10		✓		269-20				- 8.0	- 28.5				CK			
11		1430	-					+ 14.3	+ 14.3	213.4			Δ			
12	W	✓		269.50				+ 10.2	+ 14.4				CK			
13		0	-					- 5.2			208.2			-		
14	E	330	-					- 8.8			204.6			498		
15		2090	-					- 12.5	- 12.5		200.7	0		497		
16		✓		269.50				- 6.7	- 12.8	12.7			CK			
17																
18																
19																
20																

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L. G. L.

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2nd

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK. PAGE No. 26.
 LINE No.(s) 63. PARTY No. 1116 DATE 25. Day 3. Mo. 77. Yr. BOOK No. _____
 SURVEYOR L. LYMAN. RODMAN M.H. 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	Correc-tion	Center Hair			INST.	ROD			
1												200.7	⊙	497		
2		1210		88-50				+	6.7	- 17.7	182.8		Δ			
3	W	✓		271-20				+	10.3	- 17.8			CK			
4		0	-					-	5.2			177.6		-		
5	E	550		72-00				-	11.7	- 30.9		151.9		496.		
6		1320		72-10				-	13.7	- 80.4	80.5	102.3	⊙			
7		✓		267-40				-	9.0	- 80.6			CK			
8		2340		91-30				+	11.7				Δ			
9				268-32/46				+	14.0				CK			
10	W	1760												497		
11		0	-					-	5.2							
12	E															
13		1760		91-30				+	11.1	+ 57.2	+ 159.6		Δ			
14		✓		268-20				+	6.2	+ 57.4	57.3		CK			
15	W	1210		267-00				-	7.7	- 72.9		86.7		495		
16		0	-					-	5.6			154.0		-		
17	E	550		88-30				-	4.2	+ 10.2		169.8		494.		
18		1320		88-30				-	13.8	+ 20.7		180.3	⊙			
19		✓		271-20				-	10.1	+ 20.6			CK			
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE AK PAGE No. 27.
 LINE No.(s) 63 PARTY No. 1186 DATE 25 Day 3 Mo. 77 Yr. BOOK No. _____
 SURVEYOR L. LYMAN RODMAN M# WEATHER: -30° P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												180.3	0			
2		990		-112				+	10.3	+5.0	+15.3	195.6		Δ		
3	W	✓		269-50				+	12.5		+15.4			CK		
4		0	-					-	5.2			190.4			493	
5	E.	1760		+112				-	10.8	+8.8	-2.0	193.5	0		492.	Tp. 21. (IRON PIPE)
6		✓		270-20				-	12.4		-2.2			CK		
7		2089	-					+	7.3	+7.3		200.8		Δ		
8		✓		270-10				+	13.5	+7.4				CK		
9	W	1100	-					-	5.6			195.2			grp. 5.	
10		0	-					-	5.6			195.2			grp. Tp. 22.	
11	E	440	-					-	9.4			191.4			grp. 12	
12		3076		90-30				-	11.8	-38.6		162.0	0		grp. 24.	
13		✓		269-32				-	14.0	-39.1				CK		
14	W	2200		-112				+	7.0	+11.0	+18.0	180.0		Δ		
15		0	-					-	5.2			174.8			grp. 34	
16	E	440		90-55-10				-	4.0	-11.1		168.9			grp. 36.	
17		3080		91-01-20				-	4.0	-59.9		121.1	0		grp. 48.	
18																
19																
20																

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