

### STADIA SURVEY NOTES

AREA UTUKOK RIVER. STATE or PROVINCE AK. PAGE No. 1  
 LINE No.(s) 26 X. PARTY No. 1186 DATE 19 Day 2 Mo. 7<sup>o</sup> Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: - 25<sup>o</sup> 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	Correction				INST.	ROD			
1												1013.7	0	E.	133X / 26X	
2																
3															(IRON PIPE)	
4															SP. 934.	
5		0	-					+ 5.4		+ 5.4	1019.1		Δ		1017.51	
6															TAKE-off. ELEV. 2	
7	N	330	-					- 2.9		- 2.9	1016.2				SP. 455 L-133X	
8															RE: PAGE 136 BK-1	
9	S.	550		89-00				- 6.5		+ 3.1	1022.2				SP. 456 L-133X	
10															1023.38	
11																
12	W.	880		- 1/2				- 14.2	- 4.4	- 18.6	1000.5				935.	
13		1760		90-40				- 14.5		- 35.0	984.1				936.	
14		2640	-					- 8.1		- 8.1	1010.9				937.	
15		✓		270-04				- 11.4		- 8.3			0		✓	
16		550	-					+ 10.7		+ 10.7	1021.6				Δ	
17	E	✓		269-40				+ 7.4		+ 10.6					✓	
18		0	-					- 5.5			1016.1				TP.	
19	W	330	-					- 11.4			1010.0				938.	
20																

TI-588B

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 2  
 LINE No.(s) 86X PARTY No. 1186 DATE 17 Day 6 Mo. 72 Yr. BOOK No. 2.  
 SURVEYOR C. LYMAN. RODMAN A.K. WEATHER: - 25° 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	W.	1210		91-30				-	11.6		-43.3	43.2	978.4	0	939	
3		✓		268-40				-	15.0		-43.1			ck		
4		990	-					+	7.5		+9.5	987.9		Δ		
5		✓		269-50				+	6.5		+9.4			ck		
6	E.	110	-					-	7.6				980.3		940	
7		0	-					-	5.2				982.7		✓	
8	W.	770	-					-	2.2				985.7		941.	
9		1650	-					-	4.0		-4.0		984.0	0	942.	
10		✓		270-20				-	13.3		-3.7	5.9		ck		
11		1760		89-10				+	11.0		-14.6	14.7	969.3	Δ		
12		✓		270-56				+	13.8		-14.9			ck		
13	E.	880		270-56.				-	7.1		+7.2		976.5		943.	
14		0	-					-	5.3				984.0		944.	
15	W.	880	-					-	7.7				961.6		945.	
16		1500	-					-	3.7		-3.7		965.7	0	B.M.	77-3214
17		✓		270-20				-	12.1		-3.4	5.6		ck		
18													967.4	✓		
19											VERTICAL TIE.		-1.7		C.J.	Lyman
20																

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19-2-76.

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 3  
 LINE No.(s) 26 X PARTY No. 1186 DATE: 20 Day 2 Mo. 7<sup>o</sup> Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: -20<sup>o</sup> 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	Correc-tion	Center Hair			INST.	ROD.		
1												967.4	0	B.M.	77-3214
2															
3		1145	-												
4		✓		270-10								975.6			
5	E	880	-												
6		0	-									968.3		946.	
7	W	880		+1/2								970.3		947	
8		1760		89-00								979.0		940.	
9		✓		271-10								1000.7	0	949.	TP.
10		1760		70-10								1000.7			
11		✓		269-40								1016.6			
12	E	880		269-40								1016.6			
13		0	-									1006.9		950	
14	W	880	-									1011.4		951.	TP.
15		1760	-									1006.6		952.	
16		2310	-									1006.2		953.	
17		✓		270-10								1014.8	0		TP.
18															
19															
20															

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 4  
 LINE No.(s) 86X. PARTY No. 1186 DATE 20 Day 2 Mo. 78 Yr. BOOK No. 2  
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: - 252 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.		
1											1014.0	0		TP.
2		1210		89-05					-13.7		1001.0	Δ		
3		✓		271-10					-13.9	13.8		CK		
4	E.	800		271-05					+6.9		1007.9		954	
5		0	-						-5.2		995.8		955.	
6	W.	800		90-40					-13.7		977.1		956.	
7		1760		90-20					-19.7		981.3		957	
8		2640		90-20					-27.4		978.9	0	958	
9		✓		269-43-20					-26.8	27.1		CK		
10		1760	-						+4.0		977.8	Δ		
11		✓		270-10					+3.8	3.7		CK		
12	E.	800		269-20					-24.2		958.6		959	
13		0	-						-5.3		972.5		960	
14	W.	800	-						-13.1		964.7		961.	
15		1760		90-20					-24.2		953.6		962.	
16		2640		90-20					-25.4		952.6	0	963.	
17		✓		269-44					-25.1	25.2		CK		
18														
19														
20														

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## STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 5  
 LINE No.(s) 86x PARTY No. 1186 DATE 20 Day 2 Mo. 7 Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: -25° 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.			
1											952.6	⊙	763		
2		1210	-						+7.8		960.3	Δ			
3		✓		270-10					+7.6	7.7		CK			
4	E.	330	-								953.7		964		
5		0	-								955.1				
6	W.	550	-								946.2		965		
7		1430		91-00					-31.6		928.7		966		
8		2300		90-40					-37.2	36.9	923.4	⊙	967		
9		✓		269-10					-36.6			CK			
10		2090		89-30					-7.6	7.8	915.6	Δ			
11		✓		270-36					-7.1			CK			
12		1210		270-30					+5.3		920.9		968		
13	E	330	-								916.2		969		
14		0	-								910.4				
15	W	550		-112					-2.8	-17.7	897.9		970		
16		1430		90-40						-29.0	886.6		971		
17		2310		90-40						-37.9	877.8	⊙	972		
18		✓		267-24					-37.7	37.8		CK			
19															
20															

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 6  
 LINE No.(s) 86 X PARTY No. 1181 DATE 20 Day 2 Mo. 7<sup>8</sup> Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: - 25° 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.			
1											877.8	0	772		
2		2180		89-50					0.2	0.4	877.4	A			
3		✓		270-20					0.6			ck			
4		1299		270-20					-6.8		870.6		773.		
5	E	419.	-								866.6		774	LAST SP.	
6		0	-						-5.2		872.2	✓	B.M.	77-3215.	
7											871.7				
8									VERTICAL						
9									TIE.		+0.5.		L.J. Lyman.		
10	W.	2111		91-42-25					-66.9				#	12 T.S.	
11															
12															
13		4751		91-28-33					-126.3				#	24 T.S.	
14															
15															
16															
17															
18															
19															
20															

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 7  
 LINE No.(s) 86 X PARTY No. 1186 DATE 21 Day 2 Mo. 78 Yr. BOOK No. 2.  
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: SND W. 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												1013.7	○	←	86 X / 133 X
2															IRON - PIPE
3														934	
4		1760		91-05							+13.3	+44.0	+32.9	1057.6	Δ
5		✓		268-50							+8.0	+43.8			CK.
6	W	880		269-05							-10.5	-25.9		1031.7	933.
7		0		-							-5.3			1052.3	932.
8	E	880		88-30							-6.8	+16.2		1073.8	931.
9		1760		88-30							-8.4	+37.7	+37.8	1095.4	○
10		✓		271-40							-13.2	+38.0			CK
11		1210		-							+15.0	+15.0	17.9	1110.3	Δ
12		✓		269-40							+7.8	+14.8			CK
13	SW.	190		-							-4.4	-4.4		1105.9	B.M.
14														1109.1	77-3305
15												VERTICAL.			
16												TIE.		-3.2	L. J. Lyman.
17	W	330		-							-8.0			1102.3	929.
18		0		-							-5.2			1105.1	-
19	E	550		-							-5.4			1104.9	928.
20															

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## STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 8  
 LINE No.(s) 86 X PARTY No. 1106 DATE 21 Day 2 Mo. 7<sup>8</sup> Yr. BOOK No. 2  
 SURVEYOR L. LTMAN. RODMAN A.K. WEATHER: SNOW - 20<sup>2</sup> 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												1110.3				
2	E.	1430		90-10				-	12.2		-16.4	-16.2	1094.1	0	927	
3		✓		269-55				-	14.0		-16.1			OK		
4		1760		90-10				+	10.2		+15.3	1109.4		Δ		
5		✓		269-54				+	12.1		+15.2			OK		
6	W	880		269-20				-	14.0		-25.0		1084.4		926	
7		0	-					-	5.3				1104.1		925	
8	E	880	-					-	1.0				1108.4		924	
9		1760		89-10				-	3.6		+22.0		1131.4		923	
10		2090		89-10				-	4.7		+25.7		1135.3	0		TP.
11		✓		271-00				-	10.4		+26.1	25.9		OK		
12		2310	-					+	9.0		+7.0	7.8	1144.1	Δ		
13		✓		270-08				+	14.0		+8.6			OK		
14		1760	-					-	10.0				1134.1		922	
15	W	880	-					-	13.0				1131.1		921	
16		0	-					-	5.2				1138.9		920	
17	E	880	-					-	2.6				1141.5		919	
18		1760	-					-	5.7				1138.4		918	
19		2640		89-40				-	5.0		+9.6		1153.9	0	917	
20		✓		270-30				-	13.0		+10.0	7.0		OK		

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 9  
 LINE No.(s) 86X PARTY No. 1186 DATE 21 Day 2 Mo. 7 Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN A. K. WEATHER: SNOW. 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												1153.9	o	117		
2		2310		90-40				+	7.1		+36.0	1189.7	Δ			
3		✓		267-28				+	14.2		+35.7	1189.7	ck			
4		1430		269-20				-	9.5		-26.1	1163.6		916		
5	W	550		269-40				-	14.3		-17.5	1172.2		915		
6		0	-					-	5.3			1184.4		-		
7	E	330		91-30				-	9.0		-17.6	1172.1		914		
8		1210	-					-	4.0			1185.7		913		
9		1620		89-30				-	10.0		+3.3	1193.1	o	B.M.	77-3212	
10		✓		270-20				-	5.9		+3.5	1193.1	o			
11												1195.7	✓ck			
12											VERTICAL TIE.					
13												-2.6		L. J. Lyman		
14																
15														21-2-78.		
16																
17																
18																
19																
20																

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AL. PAGE No. 10  
 LINE No.(s) 26x. PARTY No. 1181 DATE 24 Day 2 Mo. 7<sup>o</sup> Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: MILD - 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	Correc-tion			Center Hair	INST.		
1											1195.7	0	B.M.	77-3212
2														
3														
4		1020	-							+8.6	1204.2	1.5		
5		✓		270-10						+8.4			ck.	
6	W	550	-								1199.2		912	
7		0	-								1198.9		-	
8	E.	330	-								1196.2		911	
9		1210	-								1196.0		910	
10		2070		89-40						+3.5	1207.9	3.7	0	909
11		✓		270-30						+3.9			ck	
12		1210		90-20						+20.4	1228.3			
13		✓		269-30						+20.3			ck	
14	W.	330	-								1223.3		908	
15		0	-								1223.1		-	
16	E	550		91-30						-20.4	1207.9		907	
17		1430	-								1227.1		906	
18		2300		89-40						+1.7	1230.1	1.8	0	905
19		✓		270-24						+2.0			ck	
20														

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 11  
 LINE No.(s) 86X PARTY No. 1186 DATE 24 Day 2 Mo. 7<sup>o</sup> Yr. BOOK No. 2  
 SURVEYOR L. C. MAN. RODMAN A.K. WEATHER: 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	Correction	Center Hair			INST.	ROD			
1												1230.1	0	905		
2		880	-					+ 7.4		-17.4		1237.4	A			
3	W	✓		270-10				+ 9.7		+7.1	7.3		CK			
4		0	-					- 5.2				1232.2		904		
5	E.	880		91-20				- 9.0		-29.5		1207.9		903	CREEK.	
6		1760		89-50				- 6.0		-0.9	0.4	1236.7	0	902		
7		✓		270-20				- 10.8		-0.6			CK			
8		1870		91-20				+ 12.4		+55.9		1272.4	A			
9		✓		268-30				+ 6.6		+55.5	53.4		CK			
10		990		268-30				- 7.0		-32.9		1259.5		901		
11	W.	110		268-30				- 11.3		-14.2		1278.2		900		
12		0	-					- 8.2				1287.2		-		
13	E	770		89-30				- 6.1		+0.6		1293.0		899		
14		1650		88-50				- 6.8		+26.8		1319.3	0	898		
15		✓		271-20				- 11.3		+27.1	26.9		CK			
16																
17																
18																
19																
20																

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 12  
 LINE No.(s) 26x PARTY No. 1186 DATE 24 Day 2 Mo. 78 Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: 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												1317.3	0	898	
2		2640		91-30				+	14.1	+83.2		1402.2	Δ		
3		✓		268-20				+	5.9	+82.7	+2.9		CK		
4		1760		268-20				-	11.6	-62.8		1339.4		897	
5	W	880		268-80				-	12.7	-30.6		1371.6		896	
6		0						-	5.3			1396.7		895	
7	E	880		88-50				-	4.3	+13.6		1415.8		894	
8		1760		88-40				-	5.1	+35.8		1428.1	0	893	
9		✓		271-30				-	10.0	+36.1	+2.9		CK		
10		2640		91-00				+	7.0	+53.1	+	1490.9	Δ		
11		✓		267-10				+	14.2	+52.6	+2.8		CK		
12		1760		269-05				-	7.0	-37.7		1453.2		892	
13	W	880		-112				-	14.0	-4.4	-18.8	1472.1		891	
14		0						-	5.3			1485.6		890	
15	E	880		89-00				-	3.2	+12.2		1503.1		889	
16		1760		88-40				-	10.0	+30.9		1521.8		888	
17		<del>2640</del>		<del>88-40</del>				-	<del>10.0</del>						
18		<del>✓</del>													
19		2310		88-40				-	10.3	+43.4	+	1534.5	0		
20		✓		271-10				-	3.2	+43.8	+3.6		CK		

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2nd

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 13  
 LINE No.(s) 26 x PARTY No. 1186 DATE 24 Day 2 Mo. 78 Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: MILD. 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												1534.5	o		
2		2640		90-50				+	10.4	+49.0		1583.3	Δ		
3		✓		269-15				+	14.1	+48.7	48.8		ck		
4		2310		269-00				-	10.3	-50.6		1532.7		887	
5		1430		269-00				-	11.2	-36.2		1547.1		886	
6	W	550		269-00				-	10.5	-20.1		1563.2		885	
7		o	-					-	5.3			1578.0			
8	E	330		88-40				-	6.1	+1.6		1584.9		884	
9		1210		88-50				-	9.3	+15.3		1598.6		883	
10		2090		88-30				-	9.5	+45.2		1628.7	o	882	
11		✓		271-38				-	14.0	+45.5	45.4		ck		
12		1430		92-20				+	8.0	+66.2		1694.7	Δ		
13		✓		267-50				+	11.9	+65.9	66.0		ck		
14	W	550		267-40				-	12.6	-35.0		1659.7		881	
15		o						-	5.2			1689.5			
16	E	330		89-00				-	1.9	+3.9		1698.6		880	
17		390		89-00				-	3.0	+3.0		1697.7	o	B.M 77-3211.	
18		✓		272-10				-	11.6	+3.1			ck		
19												1695.3			
20															

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 VERTICAL TIE: +2.4 L.J. Lyman

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 14  
 LINE No.(s) 261 PARTY No. 1126 DATE 12 Day 3 Mo. 78 Yr. BOOK No. 2  
 SURVEYOR L. CYMAN RODMAN AK WEATHER: WIND 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.		
1											1695.3	0	811	77-3211.
2														
3		225		30-00				+	2.7	-26.1	1669.2			
4	W	✓		272-20				+	7.4	-26.2				
5		0						-	5.3		1663.9			
6	E	200		72-00				-	12.4	-43.3	1625.9			
7		1760		92-10				-	12.5	-79.0	1590.2			
8		2640		92-00				-	7.0	-99.1	1570.4	0	876	
9		✓		260-10				-	14.1	-98.5				
10		2310		80-30				+	10.9	-49.5	1520.0			
11		✓		271-20				+	4.0	-49.7				
12		1430		271-10				-	1.0	+27.3	1548.1			
13	W	550		271-10				-	4.0	+7.2	1528.0			
14		0						-	5.3		1515.5			
15	E	330		71-30				-	0.7	-17.0	1503.8			
16		1210		71-30				-	6.0	-37.7	1483.1			
17		2090		71-10				-	10.0	-52.5	1468.3	0	871	
18		✓		260-56				-	13.4	-52.3				
19														
20														

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2nd

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 15  
 LINE No.(s) 06X PARTY No. 1126 DATE 12 Day 3 Mo. 78 Yr. BOOK No. 2  
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: wind 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												1468.3	0	271		
2		2640		20-50				+ 5.3	-48.4		48.5	1419.8	Δ			
3		✓		271-20				+ 12.8	-48.6				CK			
4		1760		271-10				- 10.0	+25.8			1445.2		270		
5	W	880		271-00				- 7.6	+7.8			1427.6		269		
6		0	-					- 5.3				1414.5		268		
7	E	280		70-40				- 6.2	-16.4			1403.4		267		
8		1760		90-40				- 12.2	-32.7			1387.1		266		
9		2640		90-40				- 7.2	-39.7		39.8	1380.0	0	265		
10		✓		269-26				- 13.6	-39.7				CK			
11		1760		29-00				+ 6.1	-24.6		24.7	1355.3	Δ			
12		✓		271-10				+ 11.0	-24.8				CK			
13	W	880		7 1/2				- 2.5	+4.4	+1.9		1357.2		264		
14		0	-					- 5.2				1350.1		263		
15	E	280		71-00				- 9.3	-24.7			1330.6		262		
16		1760		71-00				- 7.4	-38.1		38.0	1317.3	0	261		
17		✓		269-10				- 12.3	-37.1				CK			
18																
19																
20																

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2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 16  
 LINE No.(s) 26X PARTY No. 1186 DATE 12 Day 3 Mo. 70 Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: WIND. 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.		
1											1317.3	0	261	
2		2310		88-50				+	7.4	-39.6	99.7	1277.6	Δ	
3		✓		271-20				+	12.9	-39.8			OK	
4		1430		271-00				-	6.8	+18.7		1296.3		260
5	W.	550	-					-	4.4			1273.2		259
6		0	-					-	5.3			1272.3		-
7	E	330	-					-	11.0			1266.6		258
8		1210	-					-	12.4	-12.4	12.3	1265.3	0	257
9		✓		169-50				-	8.7	-12.2			OK	
10		1740		88-30				+	10.6	-35.5	1229.0		Δ	
11		✓		271-37				+	14.0	-35.6			OK	
12	W	880		271-30				-	4.4	+18.6		1240.4		256
13		0	-					-	5.3			1224.5		255
14	E	880		92-00				-	6.1	-36.8		1193.0		254
15		1760		91-30				-	11.5	-57.6		1172.2		253
16		2640		91-40				-	8.0	-84.8		1145.0		252
17		3520		91-10				-	6.7	-78.4		1151.4		251
18		4400		90-40				-	8.5	-59.7		1170.1		250
19	dgL	4617	✓	90-40				-	8.0	-61.7	67.5	1168.3	0	BM 77-3210
20	✓	4617	✓	269-24.50				-	14.0	-61.2		1169.2	OK	

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CHECKED BY

VERTICAL TIE

- 0.9

2nd

L. J. Lyman



### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 17  
 LINE No.(s) 86X. PARTY No. 1186. DATE 24 Day 3. Mo. 78 Yr. BOOK No. 2.  
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: -15° 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												1169.2	0	B.M. 77-3210	
2														E. 86X / 130X	
3														IRON-PIPE.	
4															
5		990		89-00					3.3	-14.0		1155.2	Δ		
6		✓		271-20					7.0	-14.0			ck.		
7	W	330		271-40					3.0	+2.8		1158.0		849	
8		0							5.2			1150.0		-	
9	E	550		98-00					9.3	-38.0		1117.2		848.	
10		1430		71-20					8.0	-41.3		1113.9		847.	
11		2310		91-00					5.6	-45.9	45.6	1109.6	0	846.	
12		✓		269-10					11.7	-45.3			ck		
13		2530		89-20					7.1	-22.3		1087.0	Δ		
14		✓		270-50					14.0	-22.8	22.6		ck		
15		1650							2.9			1084.3		845	
16	W	770		268-40					7.0	-26.9		1060.1		844	
17		0							5.3			1081.7		-	
18	E	110							5.4			1021.6		843.	
19		990							6.4			1080.6		842.	
20															

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## STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 10  
 LINE No.(s) 06X PARTY No. 1106 DATE 24 Day 3 Mo. 70 Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN A. K. WEATHER: -15° 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	Correction	Center Hair			INST.	ROD			
1																
2	E.	1540	-						13.5	-13.5	13.4	1073.6	0			
3		✓		269-50					0.0	-13.3				ck.		
4		110		09-50					2.2	+0.3	+	1073.0	Δ			
5		✓		270-30					5.9	+0.1	0.2			ck.		
6	W.	330	-						4.4			1069.4		041		
7		0	-						5.2			1068.6		-		
8	E.	550		91-40					3.5	-19.5		1054.3		040		
9		1430		91-40					6.3	-47.9		1025.9		039		
10		2310		71-20					12.1	-65.0	65.5	1008.3	0	038		
11		✓		260-30					4.0	-65.2				ck		
12		1760		89-20					11.6	-8.9	7.0	999.3	Δ			
13		✓		270-30					6.3	-9.1	7.0			ck		
14	W.	000		270-30					0.0	+3.9		1003.2		037		
15		0	-						5.2			994.1		036		
16	E	000		90-30					10.0	-10.5		980.0		035		
17		1760		90-30					5.0	-21.2		978.1		034		
18		2640		90-20					0.4	-23.0	23.4	975.9	0	033		
19		✓		269-40					13.0	-23.0				ck		
20																

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2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 19  
 LINE No.(s) 264 PARTY No. 1106 DATE 24 Day 3. Mo. 78 Yr. BOOK No. 2  
 SURVEYOR L L YMAN RODMAN A. K. WEATHER: - 15. CLEAR. 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	Correction	Center Hair			INST.	ROD			
1				<sup>34</sup>								975.9	0	833.		
2		2640		89-30			-	12.6		-7.4	7.6	768.3	Δ			
3		✓		270-20	-25		+	14.0		-7.8			CK			
4		1760	-				-	1.3				967.0		832		
5	W	880	-				-	4.0				964.3		831		
6		0	-				-	5.3				963.0		830.		
7	E	880	-				-	2.7				959.6		829.	UTUKOK ✓	
8		1760	-				-	6.5		-6.5	6.3	962.0	0	828.	RIVER.	
9		✓		270-10			-	11.3		-6.2			CK			
10		2640		90-40			+	7.4		+38.1	+	999.9	Δ			
11		✓		267-29			+	13.7		+37.7	37.9		CK			
12		1760		269-20			-	14.2		-34.7		965.2		827		
13	W	880		269-20			-	11.7		-21.9		978.0		826		
14		0	-				-	5.3				994.6		825.		
15	E	880		88-40			-	11.3		+9.2		1009.1		824.		
16		1640		88-40			-	2.6		+35.6	+	1035.6	0	8.M.	77-3209.	
17		✓		271-30			-	7.1		+35.8	35.7	1035.6	CK			
18										VERTICAL						
19										TIE		70.0		L.J. Lyman		
20														24-3-78		

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 20  
 LINE No. (s) 26 X PARTY No. 1126 DATE 10 Day 4 Mo. 78 Yr. BOOK No. 2  
 SURVEYOR C. L. MAN. RODMAN WEATHER: MILD. 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.		
1											1035.6	0	B.M. 77-3209	
2														
3		2760		89.50				9.8	+1.8	+1.6	1037.2	A		
4		✓		270-11				14.3	+1.5			CK		
5		2640		270-20				14.4	+1.0		1038.2		823	
6		1760		-112				8.0	-8.8	-16.8	1020.4		822	
7	W.	880		268-20				4.3		-29.9	1007.3		821	
8		0	-					5.2			1032.0		820	
9	E.	880		89-30				4.0	+3.7		1040.9		819	
10		1760		89-20				6.9	+13.6	+13.8	1051.0	0	818	
11		✓		270-50				11.6	+14.0			CK		
12		2640		70-30				12.4	+35.4	+35.2	1026.2	A		
13		✓		269-33				14.2	+34.9			CK		
14		1760		269-33				13.6	-27.4		1058.8		817	
15	W.	880		-112				11.2	-4.4	-15.6	1070.6		816	
16		0	-					5.3			1080.9		815	
17	E.	880		89-20				6.8	+3.4		1089.6		814	
18		1760		89-20				12.2	+8.3		1094.5		813	
19		2640		89-20				4.4	+26.3	+26.6	1112.8	0	812	
20		✓		270-50				11.5	+26.9			CK		

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2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 21  
 LINE No.(s) 86x PARTY No. 1186 DATE 10 Day 4 Mo. 70 Yr. BOOK No. 2  
 SURVEYOR L. L. MAN. RODMAN A.K. WEATHER: MILD. 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.		
1											1112.8	0	812	
2		2640		90-20					+27.4		1139.9	Δ		
3		✓		269-36					+26.9	27.1		OK		
4		1760		-12				10.8	-8.0	-19.6	1120.3		811	
5	W.	880		269-30				13.4		-21.3	1118.6		810	
6		0						5.3			1134.6		809	
7	E.	800		80-10				12.0		+16.1	1156.0		808	
8		1760		80-10				10.3		+46.0	1185.9		807	
9		2640		80-10				6.2		+78.2	1218.5	0	806	
10		✓		272-00				13.0		+79.1	1218.5	OK		
11		2310		91-30				8.7		+69.1	1287.4	Δ		
12		✓		268-40				15.0		+68.7	1287.4	OK		
13		1430		268-40				13.0		-46.3	1241.1		805	
14	W.	550		268-40				12.0		-24.8	1262.6		804	
15		0						5.3			1282.1			
16	E.	330						1.4			1285.8		803	
17		1210						9.0			1278.4		802	
18		2090						4.0			1282.6		801	
19														
20														

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 22  
 LINE No.(s) 86X PARTY No. 1126 DATE 10 Day 4 Mo. 70 Yr. BOOK No. 2-  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: MILD. 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	E.	2970		89-20				-	7.1		+27.5		1314.9		200	
3		3740		89-00				-	15.0		+50.3		1338.2	0	B.M.	78-301
4		✓		270-54				-	9.6		+51.3	50.8		CK		
5													1337.9			(1337.82)
6											VERTICAL					
7											TIE.		+0.3			C.J. Lyman.
8																10-4-78.
9		1270		88-30				+	9.0		-39.9	40.1	1297.8	Δ		
10		✓		271-40				+	14.0		-40.4			CK		
11		1760		271-30				-	6.3		+39.8		1337.6		799.	
12	W	880		271-30				-	8.8		+14.2		1312.0		798	
13		0						-	5.3				1292.5		797.	
14	E.	880		91-00				-	7.0		-22.4		1275.4		796.	
15		1710		-1/2				-	12.8	-0.0	-21.6		1276.2		795.	
16		2310		90-20				-	12.5		-25.9	28.7	1272.1	0		
17		✓		269-30				-	5.3		-25.5			CK		
18																
19																
20																

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 23  
 LINE No.(s) 86X PARTY No. 1186 DATE 10 Day 4 Mo. 78 Yr. BOOK No. 2  
 SURVEYOR L. L. MAN. RODMAN A. K. WEATHER: -10° 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												1272.1	0			
2		2090	-					+	7.7		+7.7	+	1279.6	Δ		
3		✓		270-10				+	13.4		+7.3	7.5		CK		
4		1760	-	1/2				-	7.8	-8.8	-16.6		1263.0		794.	
5	W.	800	-					-	7.8				1271.8		793.	
6		0	-					-	5.3				1274.3		792.	
7	E.	800	-					-	10.2				1268.8		791.	
8		1760	✓					-	14.3		-14.3		1265.5	0	790.	
9		✓		269-50				-	8.7		-13.8	14.1		CK		
10		2310		89-50				+	3.9		-2.8		1262.5	Δ		
11		✓		270-20				+	10.2		-3.2	3.0		CK		
12		1430	-					-	12.4				1250.1		789	
13	W.	550	-	1/2				-	14.0	-2.8	-16.8		1245.7		788	
14		0	-					-	5.2				1257.3		-	
15	E.	330	-					-	1.4				1261.1		787	
16		1210		88-50				-	2.4		+22.2		1284.7		786	
17		1760		88-40				-	13.0		+27.9		1290.7	0		
18		✓		271-10				-	7.4		+28.4	28.2		CK		
19																
20																

TI-598B

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L. J. L.

CHECKED BY 1st

2nd

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 24  
 LINE No.(s) 26X PARTY No. 1186 DATE 11 Day 4 Mo. 78 Yr. BOOK No. 2  
 SURVEYOR C. LYMAN RODMAN A.K. WEATHER: SEAS 1140 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	Centr. Hair			INST.	ROD			
1												1290.7	○			
2																
3		2970	-													
4		✓		269.50												
5		2640	-	1/2												
6		1760		269.30												
7	W.	880		269.00												
8		0	-													
9	E	280		89.00												
10		✓		271.30												
11		2310		89.30												
12		✓		270.40												
13		1430	-													
14	W.	550	-													
15		0	-													
16	E.	330	-													
17		1210	-													
18		2090	-													
19		2970	-													
20		✓		270.10												

TI-588B

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L. J. C.

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2nd



### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 25  
 LINE No.(s) 86X. PARTY No. 1104 DATE 11 Day 4 Mo. 7<sup>o</sup> Yr. BOOK No. 2.  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: MKD. 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												1300.1	⊙	775.		
2		1760		90-10				+ 12.6		+17.9	17.8	1317.9	▲			
3		✓		267-40				+ 7.4		+17.6			CK			
4	W	880		269-40				- 12.6		-17.9		1300.0	⊙	774		
5		0	-					- 5.2				1312.7		777.		
6	E	880	-					- 6.8				1309.1		772.		
7		1430		90-20				- 10.0		-18.3	18.2	1299.7	⊙			
8		✓		269-50				- 13.9		-18.1			CK			
9		2090		91-05				+ 11.4		+47.9	47.7	1347.4	▲			
10		✓		269-05				+ 14.1		+47.5			CK			
11		1760		268-20				- 8.5		-59.7		1282.7		771		5' BOOST.
12	W.	880		269-00				- 13.1		-28.5		1318.9		770		
13		0	-					- 5.3				1342.1		769.		
14	E.	880		89-20				- 4.6		+5.6		1353.0		768.		
15		1760		89-20				- 6.6		+13.9	+	1361.4	⊙	767.		
16		✓		270-50				- 11.4		+14.2	14.0		CK			
17																
18																
19																
20																

TI-588B

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L.G.L.

CHECKED BY 1st

2nd

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 26  
 LINE No.(s) 86X PARTY No. 1186 DATE 11 Day 4 Mo. 70 Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: MILD. 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.		
1											1361.4	0	767	
2		2090		71-10				+	71.0	+53.5	+	1414.8	Δ	
3		✓		218-54				+	13.1	+53.2	53.4		CK	
4		1210		269-00				-	12.5	-33.6		1381.2		766
5	W.	330	-					-	11.0			1403.8		765
6		0	-					-	5.3			1409.5		
7	E	550		90-30				-	7.5	-12.3		1402.5		764
8		1430		90-20				-	13.1	-21.4	21.2	1393.6	0	763
9		✓		269-30				-	8.6	-21.1				CK
10		1760		90-40				+	10.7	+31.2	+	1424.5	Δ	
11		✓		269-10				+	5.1	+30.7	30.9			CK
12	W.	880		269-10				-	9.0	-21.8		1402.7		762
13		0	-					-	5.2			1419.3		761
14	E	880	-					-	10.5			1414.0		760
15		1760	-					-	7.4			1417.1		759
16		2640		89-00				-	7.9	+38.2		1462.7		758
17		3520		88-30				-	4.2	+87.9		1512.4		757
18		4020		88-20				-	9.2	+107.7	+	1532.8	0	BM 77-2709
19		✓		171-45-10				-	14.0	+108.9	108.5			CK 86/127
20												1532.5		IRON-PIPE

TI-588B

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L. J. Lyman

CHECKED BY 1st

VERTICAL TIE +0.3

2nd

L. J. Lyman  
11-4-78

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 27  
 LINE No.(s) BLX PARTY No. 1186 DATE 11 Day 4 Mo. 7<sup>o</sup> Yr. BOOK No. 2  
 SURVEYOR L. LYMAN RODMAN AK WEATHER: MILD 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												1532.5	0	BM	77-2709	
2														#	86 745+277	
3															127 834+80 <sup>o</sup>	
4	W	380	-						+5.9	+5.9	1538.4		Δ		(PTT. 195.)	
5		6	-						5.2					756	LAST SP.	
6																
7	E	2530		91-37-52					4.0	-76.0	1462.4		#		12 T.S.	
8		5170		90-34-18					4.0	-55.6	1482.8		#		24 T.S.	
9		8250		90-29-44					4.0	-75.4	1463.0		#		38 T.S.	
10		10450		90-27-07					4.0	-86.4	1452.0		#		48 T.S.	
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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WORKED BY

L.J.C.

CHECKED BY 1st

2nd