

STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE Alaska PAGE No. 1
 LINE No.(s) 39 PARTY No. 1184 DATE 18 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR A. Jensen ~~ROBERT~~ David D. Dush WEATHER Clear to white out - cold - 40° P.T.S. No. _____
Trained

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.			
											230.4				
1	<i>This elev. was brought South from Δ June →</i>										227.5	0	N2-39		
2	<i>by Reciprocal Angle Survey - Sheet #1 for line 39</i>												SP-4+392		
3		0									232.0 235.0		Δ	232	
4		924									213.1				
5	N	397		91 06 36				-4.0		-21.9	210.2		SP 5		
6		396									201.7				
7	S	1717		94 15 09				-4.0		7000	198.0		SP 4		
8		1716									201.5				
9	S	3036		90 59 02				-4.0		-33.5	198.0		SP 3		
10		3036									195.0				
11	S	4354		90 40 48				-4.0		40.0	191.1		SP 2		
12		4354									213.4				
13	S	5676		90 13 55				-4.0		-21.6	210.5	0	SP 1	218.5	
14											233.4				
15	N	445		92 03 29				+4.0		+20.0	230.4		Δ	230	
16	S	1205		90 41 10				-2.0		-16.4	223.2	0	G-6	210	
17	N	120		92 01 10				+2.0		+6.2	220.3		Δ	210	
18	S	540		93 37 58				-2.0		-36.6	184.2		G-8		
19	S								some		"		G-10	} on ice	
20	S								Elev.		"		G-1		

TI-5088

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2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 4
 LINE No.(s) 35 PARTY No. 1184 DATE 19 Day 2 Mo. 23 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN Douglas Jensen WEATHER: clear - 22/m - 0 TD 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												147.7				1467
2	N	125		91 27 13				-4.0		-7.2		140.5		SP	18	
3																
4	N	1485		90 30 23				-4.0		-17.1		135.6		SP	19	in creek
5																
6	N	2805		89 53 55				-5.0		+ 0.0		147.7	Q	SP	20	146*
7	S	3960		90 05 12				-5.0		+11.0	158.7		Δ			157+
8	S	2640		90 15 01				-4.0		-15.5		142.2		SP	21	
9	S	1320		90 42 00				-4.0		-20.5		138.2		SP	22	
10	S	0		✓				-4.6				(152.1)		SP	23	
11												154.1			N2-42	
12																
13	N	1320		90 51 41				-4.0		-23.0		136.9		SP	24	
14																
15	N	2640		90 26 00				-4.0		-24.0		136.7		SP	25	
16																
17	N	3960		90 06 47				-6.0		-13.8		140.9	Q	SP	26	1439
18		2805		90 04 10				+6.0		+ 9.4	154.3		Δ			1533
19		1485														
20		2640		90 20 25				-4.0		-12.0		140.5		SP	27	

WORK BACK

WORK FORWARD

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE A/25 KA PAGE No. 3
 LINE No.(s) 35 PARTY No. 1187 DATE 19 Day 2 Mo. 25 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN David Dush BREATHER: Clear - 22/m - cold P.T.S. No. _____
Trained

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.	141.0 ROD 148.0		
1												141.0 148.0	⊙	SP-12	(USE 147)
2	S	2135		90 19 27						+16.7		141.0 148.0	Δ		141.
3		3290 2155										162.1			
4				89 44 47						+11.1		175.2		N2-40	= SP11 + 125'
5															
6	S	825		91 08 40						-20.5		140.6		SP	13
7	S	0		V						-5.2		158.9		G-2	
8															
9	N	495		90 42 27						-10.1		152.0		SP	14
10															154'
11	N	1320		90 08 21						-7.0		155.1	⊙	N2-41	= SP14 + 825'
12															
13		0		V						+4.6		159.7	Δ		158'
14	N	825		91 06 06						-4.0		139.8		SP	14 15
15															
16	N	2145		90 28 22						-4.0		140.1	⊙	SP	16 140'
17	S	1155 2475		90 03 36						+4.0		147.7	Δ		146'
18															
19	S	1155		90 31 55						-4.0		133.0		SP	17
20															

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STADIA SURVEY NOTES

AREA NPK-4 STATE or PROVINCE Alaska PAGE No. 2
 LINE No.(s) 39 PARTY No. 1184 DATE 18 Day 2 Mo. 25 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN David Dusdakov WEATHER: Clear-to-Whiteout-Cold P.T.S. No. _____
Trainee

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. -5.5	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
1											220.9	220.5	SP 5		
2	S	165	91	06	39			+4.0	+7.2	216.7		Δ		2157	
3											172.2				
4	N	1155	92	13	18			-4.0	-48.7		167.4		SP 6		
5	N	2475	91	14	16			-4.0	-57.5	163.4	167.2		SP 7	on	
6	N	3795	90	48	29			-4.0	-57.5	163.4	167.2		SP 8	ice	
7	N	5115	90	27	05			-4.0	-44.3	136.4	177.4	○	SP 9	1714	
8															
9	N	7920	90	19	14	(use Line 15)		-3.5	-47.8	180.1	167.9		CK. N2-40 = SP11 + 165		
10						(see BACKSIDE)				186.7			(From Inst. on line 2		
11	S	1155	90	18	13			+4.0	70.1	191.5	138.8	Δ		1815	
12	N	165	91	20	34			-4.0	-7.9		173.6		SP 10		
13	N	1485	90	22	33			-4.0	-13.2	123.0	167.8		SP 11		
14											171.7			1687	
15	N	1650	90	19	17			-3.5	-12.8	129.1	162.7	○	SN2 - 40 = SP11 + 165		
16										120.2			+222	USE 171.7	
17	✓	0						+4.5	+4.5	172.2	148.0	Δ		1732	
18	N	1155	268	48	05 (REV)			-4.0	-28.2		145.2	○	SP 12	USE 147145	
19															
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE A/25 K3 PAGE No. 5
 LINE No.(s) 39 PARTY No. 1184 DATE 19 Day 2 Mo. 23 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN P. Jensen WEATHER: Clear - calm - cold 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	Correction	Center Hair			153.3 INST.	ROD			
1	S	1485	90 25 50					-4.0				154.3				
2	S	1485	90 25 50					-4.0		-15.2		139.1		SP 28		
3																
4	S	165	91 03 30					-4.0		-7.0		147.3		SP 29		
5	-	0	✓					-4.3				150.0		N2 - 43 (149.3)		
6	N	1485	90 31 00					-4.0		-17.4		136.9		SP 30		
7																
8	N	1805	90 21 30 90 14 30					-4.0		-11.6		142.7	0	SP 31	141.7	
9																
10	N	1038	90 15 41					-4.0				147.7	0	SP 32		
11	S	1038	90 12 30 90 26 36					-4.0		+12.0		147.5	Δ	SP 32	153	
12		0						-4.4				151.4		N2 - 44		
13												149.7		SP 32		
14												144.3				
15	N	282	91 08 40					-4.0		-9.6		144.1		SP 32		
16		1602										138.2				
17	N	1522	90 20 50					-4.0		-13.7		140.2		SP 33		
18		2522										134.8				
19	N	2822	90 15 26 use 90 15 26					-4.0		-17.1		136.6	0	SP 34	136.6	
20												sec		Page 6		

DO NOT
 ALSO

SEE PAGE 6

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✓ SA 31 90 17 30 CK

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✓ G. J.

2nd

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 6
 LINE No.(s) 39 PARTY No. 184 DATE 21 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN D. Jensen WEATHER Very cold-clear -45° 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 1417			
1												142.7	⊙	SP 31		
2	S	1038		90 27 25				+4.0		+2.3	152.9		Δ			154.0
3																
4	N	282		91 18 38				-4.0		-9.8		143.1		SP 32		
5																
6	N	1602		90 21 30				-4.0		-14.2		140.7		SP 33		
7		4242														
8	N	2922		90 11 50				-4.0		-18.6	✓	136.3	⊙	SP 35		
9	N	2922		90 16 32				-4.0		-18.1	use →	136.8	⊙	SP 34		135.9
10	S	2640		90 20 21				+4.0		+19.6		156.4	Δ			155.5
11		1320		90 41 19				-4.0		-19.9		136.5		SP 35		
12		0		—				-5.2				156.2		SP 36		
13																
14	N	1320		90 18 36				-4.0		-9.2		147.2		SP 37		
15	N	2646		90 15 32				-4.0		-15.9		140.6	⊙	SP 38		139.6
16	S	850		90 32 36				+4.0		+12.1	150.6		Δ			151.7
17	N	470		90 31 12				-4.0		-8.3		144.3		SP 39		
18	N	1790		89 58 50				-0.0	✓	+6.6				SP 40		
19												153.2	⊙	N2-40°		152.1
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 7
 LINE No.(s) 39 PARTY No. 184 DATE 21 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN D. Jensen WEATHER: very cold - -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												152.2	⊙	N2-43	152.3	
2		0							+2.4		154.6		Δ		154.7	
3	N	1320		90 14 01					-4.0	-9.4		145.2		SP 41		
4																
5		2640		90 15 44					-4.0	-16.1		138.5	⊙	SP 42	138.0	
6		2640		89 30 10		+1.1			+4.0	-3.6	134.9		Δ		135.0	
7																
8	S	1320		89 59 10					-4.0	-3.7		134.2		SP 43		
9																
10		0		✓					-4.0			132.9		SP 44		
11																
12	N	1320		90 01 44					-4.0	-4.6		132.3	⊙	SP 45	130.4	
13											140.4					
14	S	1815		89 50 36					+4.0	+3.8	+3.4		Δ		134.2	
15	S	495		90 30 15					-4.0	-0.4		132.0		SP 46		
16		0		✓					-4.9			135.5		N2-46	EM. Horiz. Angles	
17												132.7				
18	N	825		90 15 25					-4.0	-9.7		126.4		SP 47		
19	N	2145		90 04 12					-4.0	-6.6		132.8		SP 48		
20	N	3465		90 00 40					-4.0	-4.8		135.6	⊙	SP 49	129.4	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE A/20K2 PAGE No. 8
 LINE No.(s) 39 PARTY No. 184 DATE 21 Day 2 Mo. 25 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN D. Jensen WEATHER: Very cold - 45 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												135.6				129.4
2	S	2640		90 07 49				+4.0		+9.9	+39.2	145.5	+49.3	0	SP 49	139.2
3												138.8				
4	S	2320		90 07 08				-4.0		-6.7		122.5			SP 50	
5		0		✓				-5.2		-5.2		142.3	+44.2		SP 51	
6												141.0				
7	N	1320		90 01 22				-4.0		-4.5		+34.7			SP 52	156.8
8	N	1815		89 19 34				-3.8		+7.5		151.8	+56.9	0	N2-47	= SP.52 + 49.5
9																
10	-	0		✓				+4.5				164.3				161.3
11	N	325		✓				-10.9				153.4			SP 53	
12																
13	N	2145		90 19 20				-4.0		-16.1		148.2		0	SP 54	145.2
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE A 125 R2 PAGE No. 9
 LINE No.(s) 39 PARTY No. 1184 DATE 21 Day 2 Mo. 73 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN D. Jensen WEATHER: Clear - Cold 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																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

For continuation of Elevations along Line 39
 from S.P. 54 through 79 see Book # 3 page 5
 At this point I turned the survey over to
 Dave Duzdal - surveyor trainee. I feel sure he
 will do a good job of it.

A. Jensen

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 10
 LINE No.(s) 39 PARTY No. 1184 DATE 25 Day 2 Mo. 1975 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN Doug Jensen WEATHER: Clear-Calm-Cold -30°F 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.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	RED			
1				Ref. Reciprocal Angles								116.0 105.4	0	SP 79	FM 2601	
2																
3											121.8					
4		0		✓					+5.8	+5.8	111.7		Δ			1112
5	S	1320		89 09 52					-4.0	+15.2		137.0		SP 78		
6																
7	N	1320		90 08 16					-4.0	-7.2		114.6		SP 80		
8												125.5				
9	N	1765		89 48 58			To Ground		-4.0	+3.7		114.9	0	Turn = SP-80 + 445		114.9
10				" " "			To Hub		-2.8	+5.0	138.5	126.8				
11	S	1580		90 19 32					+4.0	+13.0	127.9		Δ			127.9
12	S	705		91 40 10					-4.0	-24.5		114.0		SP 81		
13												133.10				
14		0		✓					-4.9	-4.9		122.0				
15																
16	N	615		90 36 54					-4.0	-10.6		127.9		SP 82		
17																
18	N	1935		90 10 55					-4.0	-10.1		122.4	0	SP 83		117B
19												102.3				
20	S	985		90 34 43					+4.0	+13.9	102.3		Δ			131.7

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE A/25K2 PAGE No. 11
 LINE No.(s) 39 PARTY No. 1184 DATE 25 Day 2 Mo. 1973 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN D. Jensen WEATHER: clear cold -35°F 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												<u>141.5</u>				FM RECIP.
2		0		-					-4.4	-4.4		<u>137.1</u>				$N2-57$ 135 $= SP+83+585$
3																
4	N	335		90 50	14				-4.0	-8.9 ✓		132.6			SP 84	
5																
6	N	1653		90 24	33				-4.0	-15.8 ✓		125.7			SP 83	
7		2140 use								-8.0 ✓						FM RECIP
8	N	2810		90 04	20				-4.0	-8.0		<u>134.0</u>			SP 82 -58	$= SP-85+1155$
9																
10		0							+3.9	+3.9		127.9			1040	
11																
12	N	165		91 43	57				-4.0	-9.0 ✓		128.9			SP 86	
13																
14	N	1485		90 58	24				-4.0	-22.2 ✓		108.7			SP 87	
15																
16	N	2805		90 30	37				-4.0	-29.0 ✓		108.9			SP 88	
17																
18	N	3480		90 14	56				-5.0	-20.1 ✓		117.8			ST.P. (Not Hor. Stn.)	107.5
19																
20	S	1902		89 46	22				+5.0	-2.8 ✓		105.0			$= SP 88+678$	1047

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STADIA SURVEY NOTES

AREA NPR - 4 STATE or PROVINCE Alaska PAGE No. 12
 LINE No.(s) 39 PARTY No. 1184 DATE 25 Day 2 Mo. 76 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN D. Jensen WEATHER: Cloudy - Cold - 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. 1047	ROD			
1																
2	S	1320		90 14 29				-4.0		-9.6'	125.0	105.4		SP 89		
3																
4	—	0		✓				-5.4		-5.9'		109.6		SP 90		
5																
6	N	1320		89 50 30				-4.0		-0.4'		104.6	⊙	SP 91	104 ³	
7																
8	S	495		91 13 18				74.0		119.6'	128.2		Δ			118 ⁹
9																\$91 + 495
10		0		12 44				-5.4		-5.4		123.8				
11	N	825		91 47 26				74.0	-21.4	-13.0		107.8		SP 92		
12																
13	N	2145		90 21 11				-4.0		-17.2'		112.0		SP 93		EM RECIP
14																
15	N	3200		89 54 07				-4.0		+0.5'		120.2	⊙	N2-59		120.4
16																= SP 93 + 105.5
17	—	0		✓				+5.2		15.2	-135.4		Δ			125.6
18	N	265		91 24 45				-4.0		70.5'		124.9		SP 94		
19	N	1525		90 20 41				-4.0		-13.5'		121.9		SP 95		109.6
20	N	2905		90 15 09				-3.2		-16.0'		109.4	⊙	SP 96		Elev. to Top

TI-504B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

(N2-60) of Pipe 3' above Ground
 (118.6)

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE A 125 K2 PAGE No. 13
 LINE No.(s) 39 PARTY No. 1184 DATE 25 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN D. Jensen WEATHER: Foggy - very cold -40°F 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.	109.4 ROD				
1																	
2																	
3		0							+2.7		+2.7	121.3					
4	N	1320		90 38 10					-4.0	-1.0	-15.0	115.3			SP 97		112.3
5	N	2640		90 06 09					-4.0		-8.7	102.6	0		SP 98		103.6
6																	
7												109.6					
8																	
9	S	2960		89 54 50					+3.2		-2.8	105.8					106.8
10	S	1320		90 01 31					-4.0		-4.6	101.2			SP 98		
11																	
12		0							-5.6		-5.6	110.2			SP 99		
13																	
14	N	1320		90 20 48					-4.0		-12.0	103.8			SP 100		
15																	
16	N	1585		90 09 35					-4.0		-9.9	103.4	0				
17												99.6					
18		0							+4.8		+4.8	104.4					
19		1055		90 44 29					-4.0		-17.6	86.8			SP 101		103.2
20																	

TI-5088

WORKED BY RD CHECKED BY 1st Am 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 14
 LINE No.(s) 39 PARTY No. _____ DATE 25 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN D. Jensen WEATHER: Foggy, very cold -40° 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												104.4				
2	N	2375		90 27 14					+4.0	-22.8		102.7	81.6	Δ	SP	122 80.4
3																1650' spread
4	S	165		90 11 14					+4.0	+4.5		86.1	84.4	Δ	84.9	Extra 330' Group
5	N	1885		90 36 22					-4.0	-11.7			66.4		SP	103
6																
7	N	2805		90 36 22					-4.0	-33.6			52.4		SP	104
8																
9	N	4025		90 24 25					-4.0	-33.6			52.8	○	SP	105 51.0
10																
11	S	2640		90 05 17					+4.0	+8.1		100.2		Δ		597
12	S	1320		90 13 35					-4.0	-9.2		59.5	50.1		SP	106
13																
14	-	0							-1.7	-1.7			57.6	7	SP	107
15																= NR-62 PIPE
16																
17	S	1320		90 15 50					-4.0	-10.1			49.2		SP	108
18																
19	N	2640		90 06 43					-4.0	-9.2		19.7	50.7	○	SP	109 50.5
20													50.1			

TI-5888

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CHECKED BY 1st [Signature]

2nd _____

STADIA SURVEY NOTES

AREA NOR-44 STATE or PROVINCE ALASKA PAGE No. 15
 LINE No.(s) 39 PARTY No. 1184 DATE 20 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN D. Jensen WEATHER: White-out - Very cold - 82 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.			
1										74.3	50.7	0	SP 109		
2	S	2886		90 24 43				+4.0	+24.8	75.4		Δ	SP 110	75°	
3	S	1566		70 49 41				-4.0	-26.6		47.7		SP 110		
4															
5	S	246		95 05 24				-4.0	-25.9		48.4		SP 111		
6		0													
7	N	1074		90 41 13				-4.0	-16.9		57.4		SP 112	FM RECIP	
8															
9	N	1974		89 42 28				-3.9	+6.2		80.5	0	N2-63	81.5	
10														= SP-112-960'	
11		0						+4.3	+4.3	84.8		Δ		858	
12	N	420		90 53 59				-4.0	-10.6		74.2		SP 113		
13															
14	N	1740		90 20 42				-4.0	-14.5		70.3	0	SP 114	71.3	
15															
16	S	2145		89 41 28				+4.0	+4.0	65.2		Δ		65+	
17								+6.0	+6.0						
18	S	825		89 49 50				-4.0	-1.6		63.6		SP 115		
19															
20		0						-5.2	-5.2		60.0		N2-64	FM RECIP	

TI-5888

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CHECKED BY 1st _____

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200

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 16
 LINE No.(s) 39 PARTY No. 1184 DATE 25 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN D. Jensen WEATHER: Eggy-Dusk-Very cold -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	Correction			Center Hair	65.7 INST.		
1											65.2			
2	N	495		91 04 28				-4.0	-13.3		51.9		SP 116	↓
3														
4	N	?		90 10 01				-5.0					TP	Flag (No Hair. Point)
5														
6	N	2680		90 08 28				-5.0	-3.9	-10.5	54.7	⊙	TP. Flag (No Hair. Point)	55.2
7														
8														
9		0						+4.9	+4.9		59.6	Δ	(set over TP, 100')	
10	S	865		90 42 25				-4.0	-14.7		44.9		SP	117 + 865
11														
12		0		-				-4.9	-4.9		54.7		TP-Flag	
13														= SP 117 + 865
14	N	455		91 46 40				-4.0	-18.1		41.5		SP	118
15														
16	N	1775		90 24 28				-4.0	-16.6		43.0		SP	119
17														
18	N	3095		90 15 56				-4.0	-18.3		42.3		SP	120
19														
20	N	4415		90 03 54				-4.0	-9.0		50.6	⊙	SP	121 51'

TI-5888

WORKED BY 57.35 CHECKED BY 1st RD 2nd Wally 49.8

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 17
 LINE No.(s) 39 PARTY No. 1184 DATE 25 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR A Jensen RODMAN D. Jensen WEATHER: Foggy - Dusk - Very Cold - 45° 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																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 18
 LINE No.(s) 39 PARTY No. 39 DATE 25 Day 2 Mo. 23 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN D. Jensen WEATHER: Cold - White-out condition 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																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

For continuation of survey along line 39
 from SP 171 through SP-174 see Book 3 Page

TI-508B

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 19
 LINE No.(s) 39 PARTY No. 1184 DATE 27 Day 2 Mo. 25 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN Don FUSSEMER WEATHER: Clear-Cold -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												22.4			SP-176	
2															SP-173	+870'
3		0							+4.5		+4.5	31.9				
4																
5	S	3570		-0°04'					-4.0		-8.1		23.8		SP-171	
6																
7	S	2190		-0°08'					-4.0		-9.1		22.8		SP-172	
8																
9	S	870		-0°24'					-4.0		-10.1		21.8		SP-173	
10													21.0	fm. Recap		
11	N	450		-1°00'					-4.0		-11.9		20.0		SP-174	Line 39
12															SP-173	Line 26
13																N2-177
14																
15	N	1770		0°30'					-4.0		-19.2		12.5		SP-175	
16																
17	N	3090		-0°09'	0°07'				-4.0	-5	-10.3		21.6		SP-176	
18	S	1155		-0°27'					+4.0		+13.0	34.6				
19		0							-5.2		-5.2		20.4		SP-177	6-4
20	N	165		7°10'					-4.0		-7.4				SP-177	

TI-5588

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 20
 LINE No.(s) 39 PARTY No. 1184 DATE 27 Day 2 Mo. 70 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN Dan Fussen WEATHER: Clear - Cold - 45°F 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																
2	N	1320		0 04'				-4.7		-6.2'		26.0	⊙	N2-78	25P-177+1155	
3																
4	S	2160		0 11'				+3.5	-6.7	+10.2'	36.2		Δ			
5		1935		0 05				-4.0		-5.7'		30.5		5P	178	
6																
7	S	615		0 26				-4.0		-8.7'		27.5		5P	179	
8		0		✓				-5.2		-5.2'		31.0				
9	N	705		0 13'				-4.0		-6.7'		29.5		5P	180 (on North bank of Alaktak River)	
10																
11	N	2025		0 00				-4.0		-4.0'		32.2	⊙	5P	181	
12	S	1175		0 01'				+4.0		+4.3'	36.5		Δ			
13		0						-4.4		-4.4'		32.1		N2-79		
14		+														
15	N	145		0 07				-4.0		-4.3'		32.2		5P	182	
16	N	1465		0 15				-4.0		-10.4'		26.1		5P	183	
17	N	2785		0 09				-4.0		-11.3'		25.2		5P	184	
18	N	4105		0 01				-4.0	+1.2	-3.2'		31.3	⊙	5SP	185	
19															N2-80	
20	-	0		-				+1.3		+1.2'	32.6		Δ			

TI-550B

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CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NAR-4 STATE or PROVINCE Alaska PAGE No. 21
 LINE No.(s) 39 PARTY No. 1184 DATE 27 Day 2 Mo. 70 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN Dan Sussner WEATHER: White Out - Cold -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												32.6				
2	N	1320		0 10'				-4.0	-7.8	4+		24.8		SP	186	X
3	N	2640		0 05'				-4.0		-7.8	1	24.8	0	SP	187	
4	S	1815		0 00 0 08				+4.5		+8.7	1	33.5		Δ		
5	S	495		0 25'				-4.0		-7.6	1	28.8		SP	188	
6	-	0		-				-5.4		-5.4	1			N2	81	
7																
8	N	825		0 12'				-4.0		-6.9	1	26.6		SP	-189	
9	N	2145		0 08'				-4.0		-6.5	1	27.9	0	SP	-190	
10	S	1320		0 12'				+4.0		8.6	1	33.6		Δ		
11		0						-5.4		-5.4	1	30.2		SP	-191	
12	N	1320		0 01'				-4.0		-4.4	1	31.2		SP	-192	
13	N	2640		0 01'				-4.0	10.8	-3.8	1	32.4	0	SP	-193	
14	S	1320		0 08'				+4.0	-3.0	12.2	1	33.4		Δ		
15		0						-5.4		-5.4	1	28.0		SP	-194	
16	N	1320		0 08'				-4.0		-7.1	1	26.3		SP	-195	X
17	N	2640		0 04'				-4.0		-7.1	1	26.3		SP	-196	
18	N	3960		0 00' Level				-4.0		-4.0	1	29.4	0	SP	-197	
19	S	2640		0 03'				+4.0	10.3	+6.3	1	35.7		Δ		
20	S	1320		0 10'				-4.0		+7.9	1	22.8		SP	-198	

TI-5848

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(Signature)

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2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 22
 LINE No.(s) 39 PARTY No. 1184 DATE 27 Day 2 Mo. 75 Yr. BOOK No. 2
 SURVEYOR A. Jensen RODMAN Don Fussen WEATHER: LOUDY-WHITEOUT - -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												35.7					
2		0		-					-5.4	-5.4		30.3			SP 199		
3	N	1320		0 07					-4.0	-6.7		29.0			SP 200		
4										-5.5		30.2					
5		2640		0 02					-4.0	-4.0					SP 221		
6																	
7		3960		0 01					-4.0	-5.2		30.5			SP 222		
8			This Elev taken to the top of														
9			a 2 3/4" pipe 3' above ground.														
10			This the East end of line 39														
11	-	0		-					+1.7	+1.7		32.2					
12																G-1	
13	N		sight taken North along														
14			tail spread indicates that														
15			the ground is very near level														
16			with SP 202. so use same elevation														G-18
17			for tail spread.														
18																	G-24
19																	
20																	

TI-8888

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 1
 LINE No.(s) 39 PARTY No. 184 DATE 20 Day 2 Mo. 1975 Yr. BOOK No. 3
 SURVEYOR D. AUSDAL RODMAN D. JENSEN WEATHER: -35° CLEAR, SUNNY 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	Correction	Center Hair			INST.	ROD			
1																
2																
3																
4		0														
5		1720		80°51'40"												0 N2-42
6																Δ SP-24
7		2640		90°26'00"												SP-25
8																
9	S N	3960		90°26'42"												0 SP-26
10																
11	S	4625		90°26'42"												Δ SP-26
12				0°												
13	S	2805		90°19'36"												SP 27
14																
15	S	1485		90°24'44"												SP 28
16																
17	S	165		90°56'12"												SP 29
18		0														Q-1
19	N	1155		90°31'00"												SP.30
20																

TI-5888

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STADIA SURVEY NOTES

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

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	Correction	Center Hair			INST.	ROD			
1	N	2475		90°15'42"					4.0					0	SP-31	
2																
3	S	1038		90°26'36"					4.0					Δ	SP-32	
4																
5	N	282		91°08'40"					4.0						SP-33	
6																
7	N	1602		90°20'50"					4.0						SP-33	
8																
9	N	2922		90°15'46"					4.0					⊙	SP-34	4.4 HE
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

TI-5888

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STADIA SURVEY NOTES

AREA N PR-4 STATE or PROVINCE ALASKA PAGE No. 3
 LINE No.(s) 39 PARTY No. 1184 DATE 21 Day 2 Mo. 25 Yr. BOOK No. 3
 SURVEYOR DR VC DUNDON BODMAN D. Jensen WEATHER: clear - mild - 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												136.60			SP	37
2																
3	S	2640		90 20 14										Δ		
4	S	1920		90 41 35											SP	35
5																
6		0													SP	36
7																
8	N	1320		90 13 30											SP	37
9																
10	N	2640		90 15 45										⊙	SP	38
11	S	850		90 32 45"										Δ		
12																
13		0													SP	38+850'
14																
15	N	470		90 30 53											SP	39
16																
17	N	1790		89 38 47										⊙	SP	40
18		0												Δ		
19	N	1320		90 05 54											SP	41
20	N	2640		90 05 57										⊙	SP	42

TI-5885

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 4
 LINE No.(s) PARTY No. 1184 DATE 21 Day 2 Mo. 23 Yr. BOOK No. 3
 SURVEYOR D. Dussol RODMAN D. Johnson WEATHER: clear-mild -20° 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	S	2640		89 50 10					+4.0					Δ	SP	42	
2	S	1320		89 59 10					-4.0							SP	43
3		0		—					-5.2							SP	44
4	N	1320		90 01 44					-4.0					⊙	SP	45	
5	N	2640							-4.0					+	SP	46	
6	S			89 39 56					+4.0					Δ			
7	S			90 30 15					-4.0							SP	46
8		0		—					-4.9							SP	46+495 N2-46
9	N	825		90 15 25					-4.0							SP	47
10	N	2145		90 04 12					-4.0							SP	48
11	N	3465		90 00 46					-4.0					⊙	SP	49	
12	S	2640		90 07 48					+4.0					Δ			
13	S	1320		90 07 00					-4.0							SP	50
14		0		—					5.2							SP	51
15	N	1320		90 01 22					-4.0							SP	52
16	N	1815		89 19 38					3.2	+17.5		156.8		⊙	N2-47	(SP 52+495)	
17		825		90 01 22					3.2							SP 52	
18				90 01 22					3.2							SP 52	
19		0		—					+4.5	+4.5	156.3			Δ			
20	N	825		90 00 00					+10.9							SP	53

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 5
 LINE No.(s) 39 PARTY No. 1184 DATE 21 Day 2 Mo. 7 Yr. 5 BOOK No. 3
 SURVEYOR D. Dunsdale RODMAN J. Jensen WEATHER: Clear - calm - 25 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												156.3			SP	
2	N	1155		90 12 26				-4.0		-76.1		140.2	⊙	SP	54	
3	S	1155		90 12 15				+9.0		+8.6		148.3	Δ			
4		0						-4.8		-4.8		143.5		SP	54	1155(N2-48)
5	N	1155 1185		91 56 26				-4.0		-97				SP	55	
6	N	1155 1405		90 39 47				-4.0		-21.2				SP	56	
7	N	2805		90 21 10				-4.0		-21.3		127.0	⊙	SP	57	
8	S	2640		90 00 50				+4.0		+7.7		134.7	Δ			
9	S	1320		90 00 53				-4.0		-7.4		127.3		SP	58	
10		0						-5.2		-5.2				SP	59	
11	N	1320		90 05 11				-4.0		-6.2				SP	60	
12	N	2640		90 00 26				-4.0		-9.7		125.0	⊙	SP	61	
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE ALASKA PAGE No. 6
 LINE No. (s) 39 PARTY No. _____ DATE 22 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR D. DUSDAL RODMAN D. JENSEN WEATHER: FOGGY - 45° 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 125.0			
1	S	1320		900039				+4.0		+4.2	129.2		Δ	SP 61	129.2	
2		0						+4.7						SP 62	ALSO N2-49	
3	N	1320		900926				-4.0		-8.3	120.9		○	SP 63	120.4	
4	S	495		912911				+4.0		+16.8	137.7		Δ		137.7	
5	I	825 0						-4.9			132.8			SP 63+	495-N2-56	
6	N	825		905607				-4.0						SP 64		
7	N	2145		902236				-4.0		-18.1	119.6		○	SP 65	119.0	
8	S	495		914721				+4.0		+18.7	138.3		Δ	SP 65	138.3	
9		0						-5.2			139.1			SP 65+	495	
10	N	825						+4.0		-3.7	135.4			S 66		
11	N	2195		895721				-4.1		-0.2	137.7		○	SP 67	137.7	
12	S	165		903642				+4.0		+5.8	143.5		Δ		143.5	
13		0						-4.8			138.7			SP 67+	165-N2-51	
14	N	1155		895514				-4.0						SP 68		
15	N	2475		895336				-4.0		+0.6	144.1		○	SP 69	144.1	
16	S	2805		902159				+4.0		+21.9	166.0		Δ		166.0	
17	S	1485		910029				-4.0						SP 70		
18	S	1720		924836				-4.0						S 71		
19		0						-5.2			160.8			SP 72+	165-N2-52	
20	N	1125		903049				+4.0		-14.4	151.6		○	SP 72	151.6	

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 7
 LINE No.(s) _____ PARTY No. _____ DATE _____ Day _____ Mo. _____ Yr. BOOK No. 3
 SURVEYOR _____ RODMAN _____ 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											-2.5	148.1	151.6			151.6
2	S	245		90 42 23				+4.0		+28.7		150.3		A	SP 72	148
3	S	1095		90 39 16				-4.0							SP 73	
4		0						-5.2				142.9			SP 73+1095	N2-53
5	N	225		93 53 49				-4.0							SP 74	
6	N	1545		91 04 07				-4.0							SP 75	
7	N	2865		90 09 18	2. 90 34 56			-4.0	-33.1	-11.8		115.0	121.1	0	SP 76	115.0
8	S	181		90 43 42				+4.0	+27.1	76.3		158.2		A		142
9	S	495		90 38 21				-4.0								77
10		0						-5.2				134.9			SP 77+495	N2-54
11	N	875		90 38 29				-4.0			-5.2	163.0			SP 78	128.9
12	S	2805		89 58 43				+4.0			13.2	181.6	127.2	0	SP 79	131.9
13	S	1485		90 45 09				-4.0			73.0				SP 80	
14	S	165		90 24 49				-4.0			-23.5			108.4	SP 81	N2-55
15		0						-5.2							SP 82	
16	N	1155		91 26 34				-4.0				126.7			SP 83	80+165
17		2475		90 22 01				-4.0							SP 84	
18	N	3775		90 12 19				-4.0			-17.5	114.4	109.7	0	SP 85	
19	S	2640		89 56 59				+4.0			+1.7	111.4		A		
20	S	1320		89 59 23				-4.0			-1.8		109.6		SP 86	

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 8
 LINE No.(s) _____ PARTY No. _____ DATE _____ Day _____ Mo. _____ Yr. BOOK No. 3
 SURVEYOR _____ RODMAN _____ WEATHER: _____ 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	Correction	Center Hair			INST. 1161	ROD			
1												111.4	110.9			
2		<u>0</u>		<u>—</u>				<u>-5.2</u>					106.2		SP	85
3	<u>N</u>	<u>1320</u>		<u>90 1340</u>				<u>-4.0</u>		<u>-9.2</u>			102.2	⊙	SP	86
4													106.9			
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

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AREA _____ STATE or PROVINCE _____ PAGE No. 9
 LINE No.(s) _____ PARTY No. _____ DATE 24 Day 2 Mo. 23 Yr. BOOK No. 3
 SURVEYOR _____ RODMAN _____ 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. 156.4	ROD			
1	S	495		92 38 47				+4.0		+26.8			Δ	SP	52	
2		0						-4.6		-4.6	164.4	157.8		N2-	47	
3	N	825		90 24 08 90 24 08				-8.0		-11.8		152.6		SP	53	
4	N	2175		90 11 42				-8.0		-16.3		148.1	⊙	SP	SP	
5	S	1155		90 12 15				+4.0		+8.1	156.2		Δ			
6		0						-4.6								
7		0						-4.6			156.5	148.9		SP	54 + 1155 (N248)	
8	N	185		91 54 48				-4.0		-9.5		147.0		SP	55	
9	N	1485		90 39 13				-4.0		-20.9		135.6		SP	56	
10	N	8205		90 20 42				-4.0		-20.9		125.0	⊙	SP	57	
11	S	2640		90 05 11				+4.0		+8.1	143.7		Δ			
12	S	1320		90 09 50				-4.0		-7.8		135.9		SP	58	
13		0						-5.7		-5.7		138.0		SP	59	
14	N	1320		90 06 30				-4.0		-6.6		134.1		SP	60	
15	N	2640		90 01 51				-4.0		-10.1		123.6	⊙	SP	61	125°
16	S	1320		90 04 40				+4.0		+4.3	137.0		Δ			129°
17		0						-5.7		-5.2	136.6	131.4		SP	62 (N2-49)	
18	N	1320		90 09 31				-4.0		-7.7		128.4	⊙	SP	63	121.6
19	S	495		90 02 20	91° 30' 21			+4.0		+2.4	128.4		Δ			138°
20		0						-5.1		-5.1		120.8		SP	63 + 485 ✓	

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STADIA SURVEY NOTES

Re-Run

AREA _____ STATE or PROVINCE _____ PAGE No. 10
 LINE No.(s) _____ PARTY No. _____ DATE 24 Day 2 Mo. 25 Yr. BOOK No. 3
 SURVEYOR _____ RODMAN _____ 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.		
1										138.8				
2	N	825		903642				-4.0	-17.6		128.2	SP	64	
3	N	2145		902251				-4.0	-18.3		127.5	⊙ SP	65 1203	
4	S	495		914125				+4.0	+18.8	140.4		Δ	1289	
5		0						-5.4	-5.4		140.3	SP	65+495	
6	N	825		895803				-4.0	-3.5		142.6	SP	66	
7	N	2145		895359				+4.0	-0.2	151.0	148.9	⊙ SP	67 1387	
8		165		902220				+4.0	+5.1	142.8	142.6	Δ SP	67 1438	
9		0						+4.0	-5.4		147.2	SP	68 67+165 = N2-51	
10	N	2145 1300		89205805 ⁿ				+4.0	-2.7	142.7	142.3	⊙ SP	69 141'	
11	S	2095		902129				+4.0	+21.5	140.8		Δ	1424	
12	S	485		905758				+4.0	-29.9		139.9	SP	70	
13	S	165		924428				+4.0	-11.9		157.9	SP	71	
14		0						-5.0	-5.0	173.4	164.8	SP	71+165 = N2-52	
15	N	1155		903529				-4.0	-15.9		159.5	⊙ SP	72 146'	
16	N S	2415		894912				+4.0	-3.6	123.8		Δ S	143	
17	N S	1095		903923				-4.0	-16.5		137.4	SP	73	
18		0						-4.4	-4.4		149.5	SP	73+1095 = N2-53	
19	N S	225		935920				-4.0	-19.7		134.2	SP	74	
20	N S	1545		910349				-4.0	-32.7		121.2	SP	75	

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STADIA SURVEY NOTES

Re-Run

AREA _____ STATE or PROVINCE _____ PAGE No. 11
 LINE No.(s) _____ PARTY No. _____ DATE 24 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR _____ RODMAN _____ 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												153.9				
2	N	286.5		9034.5					-4.0	-33.1		120.8	⊙	SP	76	110°
3	S	181.5		9024.3	? 90	x3	42		+4.0	+22.1	+16.9	142.9	Δ			127'
4	S	49.5		9032.4					-4.0	-8.7		131.2		SP	77	
5		0							-4.6	-4.6		142.2		SP		77+49.5 = N 7-5'4"
6	N	82.5		9038.2					-4.0	-13.2		134.7	⊙	SP	78	123° FM RECAP
7	S	320			48'02"	BAD ANGLE			+4.0	-1.6	+22.4	121.8	Δ	SP		
8		0							-5.8	-5.8		116.0	⊙	SP	79	= N 2-5.5"
9	N	1320		9150.2					-4.0	-6.3		121.6	⊙	SP	80	
10	S	420		9144.3					+4.0	+16.8		128.7	Δ			
11		0							-5.2	-5.2		132.1		SP	80+420	72-56.7
12	N	700		9052.5					-4.0	-17.8		120.5	⊙	SP	81	
13	S	205		9140.4					+4.0	+24.7	+24.6	131.5	Δ	SP	81	55 FM RECAP
14		0							-5.1	-5.1		123.4		SP	82	7 70.3 SP 56
15	N	615		9037.5					-4.0	-10.8		117.7		SP	82	
16	N	193.5		9011.5					-4.0	-10.7		127.8	⊙	SP	83	FM RECAP
17	S	98.5		9037.5					+4.0	+14.9		124.4	Δ			
18		0							-5.4	-5.4		139.0		SP	83+98.5	N 2-5"
19	N	33.5		9302.3					-4.0	-21.8		112.6		SP	84	
20	N	165.5		9027.2					-4.0	-17.2		122.2	⊙	SP	85	

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STADIA SURVEY NOTES

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AREA _____ STATE or PROVINCE _____ PAGE No. 12
 LINE No.(s) _____ PARTY No. _____ DATE 24 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR D. DUSDAL RODMAN D. JENSEN 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.			
1	S										122.2				
2	S	1320		902045		+4.0		+12.0		134.2	122.2	Δ	SP	85	
3		0				-5.2		-5.2			129.0		SP	86	
4	N	1320		904750		-7.0		-23.1			116.1		SP	87	
5	N	2640		902026		-4.0		-19.7			117.8	○	SP	88	
6	S					+4.0						Δ	SP		
7		0													
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 13
 LINE No.(s) 39 PARTY No. _____ DATE 25 Day 2 Mo. 75 Yr. BOOK No. _____
 SURVEYOR _____ RODMAN _____ 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														0	SP 78	
2	S	1320		89 09 52					+4.0	-10.2			Δ	SP 79		
3		0							-5.8						SP 79 (N2-55)	
4																
5	N	1320		90 08 16					-4.0	-1.2					SP 80	
6	N	1765		89 44 58					-2.8	+4.9			0	SP 80+445		
7	S	2025		90 19 32					+2.8	+15.5			Δ			
8	S	705		91 20 10					+4.0	+16.5					SP 81	
9		0							-4.9						SP 81+705 (N2-56)	
10																
11	N	615		90 36 54					-4.0	+2.6					SP 82	
12	N	1935		90 10 52					-4.0	+10.1			0	SP 83		
13	S	985		90 39 48					+4.0	+13.3			Δ			
14		0							-4.4						SP 83+985 (N2-57)	
15	N	665		90 50 14					-4.0						SP 84	
16	N	1320		90 24 35					-4.0						SP 85	
17	N	2475		70 04 20					-3.6	-6.7			0	SP 85+1155 (N208)		
18		0							+3.9	+3.9			Δ	SP 85+1155		
19	N	165		21 15 03					-4.0						SP 86	
20		165		91 43 57					-4.0							

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 14
 LINE No.(s) _____ PARTY No. _____ DATE 25 Day 2 Mo. 75 Yr. BOOK No. _____
 SURVEYOR _____ RODMAN _____ 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	Correction	Center Hair			INST.	ROD			
1																
2	N	1485		905824				-4.0							SP	87
3	N	2805		903037				-4.0							SP	88
4	N	3683		901144 90144				-5.0		-21°			0		SP	88+678
5	S ¹⁶³²	1962		894622				+5.0		-15			Δ			
6	S	1320		901429				-4.0							SP	89
7		0						-5.4							SP	90
8	N	1320		895026				-4.0		-0.4			0		SP	91
9	S	495		911318				+9.0		+146			Δ		SP	
10		0						-5.4							SP	91+495
11	N	825		910220 911240				-4.0							SP	92
12	N	2145		902111				-4.0							SP	93
13	N	3200		895107				-4.0		+15			0		SP	93+055 (N2-59)
14		0						+52		+52			Δ			
15																
16	N	265		912445				-4.0							SP	94
17	N	1585		902041				-4.0							SP	95
18	N	2905		901509				-3.2		-16°			0		SP	96 (N2-60)
19		0						+2.7		+27			Δ			
20	N	1320		903010				-4.0							SP	97

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STADIA SURVEY NOTES

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AREA _____ STATE or PROVINCE _____ PAGE No. 15
 LINE No.(s) _____ PARTY No. _____ DATE 25 Day 2 Mo. 1975 Yr. BOOK No. _____
 SURVEYOR _____ RODMAN _____ 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	N	2640		90 06 09				-9.0		-87			0	SP	98	
3																
4																
5								-3.2		-32			0			(N2-60) SP-96
6	S	2960		89 57 50				+3.2		-28			A			
7	S	2640						-4.0						SP	97	
8	S	1320		90 01 33				-4.0						SP	98	
9		0						-5.6						SP	99	
10																
11	N	1320		90 20 40				-4.0						SP	100	
12	N	75 85		90 09 35				-4.0		-84			0	SP	100+265	(N2-61)
13		0						+4.8		+48			A			
14		1055														
15	N	1085		90 44 29				-4.0						SP	100 101	
16	N	1085 2375		90 27 14				-4.0		-228			0	SP	102	
17	S	165		90 11 14				+4.0		+95			A	I		
18		0						-5.2						SP	102+165	
19	N	1485		90 36 22				-4.0						SP	103	103+??
20	N	1320		90 36 22				-4.0						SP	104	(108+330)

TI-5088

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LONG SPRING

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE _____ PAGE No. 16
 LINE No.(s) _____ PARTY No. _____ DATE _____ Day _____ Mo. _____ Yr. BOOK No. _____
 SURVEYOR _____ RODMAN _____ 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	N	4025		902425					-4.0		-32.4			⊙	SP 105	
3	S	2640		900517					+4.0		+8.1			Δ		
4	S	1320		901335					-4.0						SP 106	
5		0							-1.7						SP 107	(N2-67)
6																
7	N	1720		901550					-4.0					⊙	SP 108	
8	N	2640		900643					-4.0		-9.2			⊙	SP 109	
9	S	2886		902445					+4.0		+24.7			Δ		
10	S	1566		904941					-4.0						SP 110	
11	S	246		950524					-4.0						SP 111	
12		0							-5.2						SP 111+296	
13																
14	N			90413					-4.0						SP 112	
15	N			894228					-3.9					⊙	SP 112+900 N2-63	
16		0							+3.9					Δ		
17																
18	N	420		905359					-4.0						SP 113	
19	N	1740		902042					-4.0					⊙	SP 114	
20	S	2145		894128					+6.0					Δ		

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2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE _____ PAGE No. 17
 LINE No.(s) 39X PARTY No. 184 DATE 25 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR DAVE DUSOAL RODMAN _____ 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.			
1		<u>7/2 from NR-55 (SP-79)</u>													
2	<u>S</u>	<u>1320</u>			<u>89.0952</u>			<u>+4.0</u>	<u>-15.2</u>				<u>SP 78</u>		worked back
3															
4		<u>0</u>			<u>---</u>			<u>+5.8</u>					<u>Δ SP 79 (N2-55)</u>		
5															
6	<u>N</u>	<u>1320</u>			<u>90.0816</u>			<u>-4.0</u>	<u>-0.8</u>				<u>SP 80</u>		
7															
8	<u>N</u>	<u>1765</u>			<u>89.4458</u>			<u>-2.8</u>	<u>+4.9</u>				<u>○ SP 80+445</u>		
9															
10	<u>S</u>	<u>2025</u>			<u>90.1932</u>			<u>+2.8</u>	<u>+14.3</u>				<u>Δ</u>		
11															
12	<u>S</u>	<u>705</u>			<u>91.4010</u>			<u>-4.0</u>	<u>-24.5</u>				<u>SP 81</u>		
13													<u>SP 81+705 (N2-56)</u>		
14		<u>0</u>			<u>---</u>			<u>-4.9</u>	<u>-4.9</u>						
15															
16	<u>N</u>	<u>615</u>			<u>90.3654</u>			<u>-4.0</u>	<u>-10.6</u>				<u>SP 82</u>		
17													<u>○ SP 83</u>		
18	<u>N</u>	<u>1935</u>			<u>90.1055</u>			<u>-4.0</u>	<u>-10.1</u>				<u>○ SP 83</u>		
19															
20	<u>S</u>	<u>785</u>			<u>90.3444</u>			<u>+4.0</u>	<u>+14.0</u>				<u>Δ</u>		

TI-5888

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE _____ PAGE No. 18
 LINE No.(s) 39X PARTY No. _____ DATE 25 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR D. DUSDAL RODMAN _____ WEATHER: _____ 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		0		—							-4.4				SP	83+785(N2-57)
3																
4	N	665		90 50 14							-4.0				SP	34
5																
6	N	1320		90 24 35							-4.0				SP	85
7																
8	N	2475		90 04 20							-3.6				SP	85+1155(N2-58)
9																
10		0		—							+3.9				Δ	
11																
12	N	165		91 43 57							-4.0				SP	86
13																
14	N	1485		90 58 24							-4.0				SP	87
15																
16	N	2805		90 30 37							-4.0				SP	88
17																
18	N	3683		90 14 58							-5.0				SP	88+678
19																
20	S	1632		89 46 24							+5.0				Δ	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 19
 LINE No.(s) 39X PARTY No. 184 DATE 25 Day 2 Mo. 75 Yr. BOOK No. _____
 SURVEYOR DAVE DUSDAL RODMAN _____ 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	S	1320		901429	20				-4.0		-94				SP	89
3																
4		0		_____					-5.4		-54				SP	90
5	N															
6	N	1320		895036					-4.0		-0.4			0	SP	91
7																
8	S	495		911318					+4.0		+144			A		
9																
10		0		_____					-5.4		-54				SP	91+495
11																
12	N	825		911240					-4.0		-214				SP	92
13																
14	N	2145		902111					-4.0		-172				SP	93
15																
16	N	3200		895427					-4.0		+15			0	SP	93+1055 (N2-59)
17																
18	S	0		_____					+5.2		+52			A		
19																
20	N	265		912445					-4.0		-10.5				SP	94

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 20
 LINE No.(s) _____ PARTY No. _____ DATE 25 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR DAVE DUSDAL RODMAN _____ 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	N	1585		902041					-4.0		-135				SP	95
3																
4	N	2905		901539					-3.2		-16 ⁰			0	SP	SP 96 (N2-60)
5																
6		0							+2.7		+27			A	A	
7																
8	N	1320		903010					-4.0		-154				SP	97
9																
10	N	2640		900609					-4.0		-87			0	SP	98
11																
12																
13																
14									-3.2		-32			0	SP	96 (N2-60)
15	S	3690		895450					+3.2		-13			A		
16																
17	S	2640		900133					-4.0		=52				SP	97
18																
19	S	1320		900133					-4.0		-44				SP	98
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 21
 LINE No.(s) 39A PARTY No. _____ DATE 25 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR DAVE DUSDAL RODMAN _____ 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	Correction	Center Hair			INST.	ROD			
1																
2		0		—					-5.6	-5.4				SP	99	
3																
4	N	1320		902048					-4.0	-12.0				SP	100	
5																
6	N	1585		900935					-4.0	-8.4			⊙	SP	100+265(N2-61)	
7																
8		0		—					+4.8	+4.0			Δ			
9																
10	N	1055		904424					-4.0	-12.7				SP	101	
11																
12	N	2375		902714					-4.0	-22.8			⊙	SP	102	
13																
14	S	165		901114					+4.0	+4.5			Δ			
15																
16		0		—					-5.2	-5.2				SP	102+165	
17																
18	N	1385		903622					-4.0	-18.7				SP	103	
19																
20	N	2705		903622					-4.0	-32.4				SP	104	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 22
 LINE No.(s) _____ PARTY No. 184 DATE 25 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR DAVE DUSOAL RODMAN _____ 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	N	4025		902425							-32 ⁶			0	SP	105
3																
4	S	5310 3190		900517							+7 ⁶			Δ		
5																
6	S	990		901335							-7.9					SP106
7																
8		0		—							-1.7					SP 107 (N2-62)
9																
10	N	1320		901550							-10.1					SP 108
11																
12	N	2640		900643							-9.2			0	SP	109
13																
14	S	2886		902445							+24 ⁰			Δ		
15																
16	S	1526		904741							-26 ⁶					SP 110
17																
18	S	246		950529							-4.0					SP 111
19																
20		0		—							-3.2					SP 111+246

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 23
 LINE No.(s) 392 PARTY No. _____ DATE 25 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR DAYE DUSDAL RODMAN _____ 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	N	187.4		904113				-4.0		-16.9				SP	112	
3																
4	N	197.4		894228				-3.9		+6.2			⊙	SP	112+900 (N2-63)	
5																
6		0		—				+3.9		+3.9			Δ			
7																
8	N	420		905359				-4.0		-10.6				SP	113	
9																
10	N	1740		902042				-4.0		-14.5			⊙	SP	114	
11																
12	~ S	2145		894128				+6.0		-5.6			Δ			
13																
14	S	825		894950				-4.0		-1.6				SP	115	
15																
16		0		—				-5.2		-5.2						
17																
18	N	495		912428				-4.0		-13.3				SP	115+825 (N2-64)	
19														SP	116	
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 29
 LINE No.(s) 39x PARTY No. 104 DATE 27 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR DAVE DUSOAL RODMAN _____ 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 _{60.5}				
1																	
2	S				900726												N2-64
3	S	8790			895600			+4.1		-4.2	53.6	60.0	⊙				SP-115+825 54'
4	S	1895			900726			-4.0		-8.2		45.4	⊙				SP-115+825-02-64) SP 121
5																	
6	S	575			900644			-4.0		-5.1		48.6					SP 122
7																	
8		0						-4.0		-4.0		48.8	⊙				SP 122+325 515
9		745															N2-65 ✓
10	N	805			902227			-4.0		-8.2		44.7					SP 123
11		2065															
12	N	2065			900703			-4.0		-8.4		45.2					SP 124
13																	
14	N	2295			90.0500			-4.0		-8.9	53.8	44.7	⊙				SP 125 452
15	S	1320			90 0540			+4.0		+6.2	50.4		⊙				51.4
16																	
17	S	2000			90 0730			-4.0		-8.5		45.3					SP 126
18																	
19	S	740			90 23 02			-4.0		-9.0		44.8					SP 127
20																	

TI-5088B

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2nd _____

STADIA SURVEY NOTES

AREA NPI-4 STATE or PROVINCE ALASKA PAGE No. 25
 LINE No.(s) 39X PARTY No. 184 DATE 27 Day 2 Mo. 25 Yr. BOOK No. 3
 SURVEYOR DAVE DUSOAL RODMAN _____ 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			51.4 INST. 53.8	ROD			
1												50.4				
2		0							-5.2	-5.2		48.6	SP	127+745(NL-66)	FM RECIP.	
3																
4	N	580		907845					4.0	-12.3		41.5	SP	28		
5																
6	N	1900		901324					4.0	-11.4		42.4	SP	29		
7																
8	N	3220		901018					4.0	-13.6		40.2	SP	30	378	
9																
10	S	2585		900201					4.0	+5.5	45.7				433	
11																
12	S	1265		900614					4.0	-6.3		39.4	SP	31		
13																
14		0							-5.2	-5.3		40.4	SP	31+1265		
15																
16	N	55		914950					4.0	-5.8		39.9	SP	32		
17																
18	N	265		902745					4.0	-6.1		39.6	SP	32	10	
19																
20	N	1375		901847					4.0	-7.5		38.2	SP	33	35.8 (OVERT)	

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2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 26
 LINE No.(s) 39X PARTY No. 184 DATE LT Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR DAVE DWORAL RODMAN _____ 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									+4.1	From Reciprocals 38.8						Break in Survey here (over) Backsight to 35+570 (Also N2-69) 35 (Also N2-28) 134 No continuity in survey here 99. 135 (N2-68) 35+570 (N2-69) 136 137 138
2	N	570		894446					4.1	+1.6	43.9	Δ	SP			
3																
4		0		---					-4.8	-4.8	39.1		SP			
5																
6	S	1320		900508					-4.0	-6.0	37.9	Δ	SP			
7																
8																
9																
10	S	570		902954					+3.9	+8.0	47.6	Δ	SP			
11																
12		0		---					5.1	-6.1	42.5		SP			
13																
14	N	750		902914					-4.0	-10.4	37.2		SP			
15																
16	N	2070		901133					-4.0	-11.0	36.6		SP			
17																
18	N	3390		900739					-4.0	-11.5	36.1	⊙	SP			
19																
20	S	2640		895903					+4.0	+3.5	39.4	Δ				

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE _____ PAGE No. 27
 LINE No.(s) 39X PARTY No. 184 DATE 27 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR DAVE DUSOAL RODMAN _____ 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	Correction	Center Hair			INST.	ROD			
1																
2	S	1320		900312					-4.0	-5.2 ✓	34.4	34.2		SP 139		
3																
4		0		—					-5.4	-5.4		34.0		SP 140		
5																
6	N	1320		900137					-4.1	-4.6 ✓		34.8		SP 141		
7																
8	N	2640		900234					-4.3	-6.0 ✓		37.4		21' 142 (N2-70)		
9																
10	S	0		—					+5.1	+5.1		42.5		Δ		
11																
12	N	1320		900716					-4.0	-6.8 ✓		35.7	⊙	SP 143		
13																
14	S	1320							4.0					SP 142		
15	S	1320		895816					+4.0	+3.3 ✓	39.0		Δ			
16																
17		0							<u>-5.1</u>			33.9		SP 144		
18										+8.4						
19	N	1320		892750					-4.0	+8.3 ✓		43.5	⊙	SP 145		
20	S	825		900637					+4.0	+5.6 ✓	44.1		Δ	SP 145		

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 28
 LINE No.(s) 39x PARTY No. 184 DATE 27 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR DAVE D USDALE RODMAN _____ 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	FM RECIPIENT
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2		<u>0</u>									<u>54.3</u>				<u>(12-71)</u>
3															<u>SP/45 + 8.25</u>
4	<u>N</u>	<u>495</u>		<u>912821</u>										<u>SP</u>	<u>176</u>
5															
6	<u>N</u>	<u>1815</u>		<u>902846</u>											<u>SP/47</u>
7															
8	<u>S</u>	<u>2640</u>		<u>895909</u>											
9															
10	<u>S</u>	<u>1320</u>		<u>902753</u>											<u>SP/48</u>
11															
12		<u>0</u>													
13															
14	<u>N</u>	<u>1320</u>		<u>901220</u>											<u>SP/50</u>
15															
16	<u>N</u>	<u>2640</u>		<u>900345</u>											
17															
18															
19															
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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 29
 LINE No.(s) -392 PARTY No. 184 DATE 27 Day 2 Mo. 25 Yr. BOOK No. 3
 SURVEYOR D. DUSDAL RODMAN _____ 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	Correction			Center Hair	INST.			
1															
2	S	2640		210 02 29 200 45					+6.1 ✓			Δ	SP	151 (N2-72)	
3															
4	S	1320		90 19 57					-11.7				SP	152	
5															
6	N	0													
7															
8	N	1320		90 16 54					-10.5				SP	154	
9															
10	N	2640		30 05 16					-8.0				SP	155	
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

RERUN - 151 to 155

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 30
 LINE No.(s) 39X PARTY No. 184 DATE 27 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR DAVE D. JENSEN RODMAN D JENSEN 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	S	5280		89 58 49				+4.1	-	+2.3	39.7	37.4	⊙	SP 151	(N2-72)	
3																
4	S	1320		90 06 00				-4.0		-6.3		33.4		SP 154		
5																
6		0						-5.5		-5.5		33.9		SP 155		
7																(N2-73)
8	N	1320		90 11 55				-4.0		-8.6		31.1	⊙	SP 156		
9																
10	N															
11																
12																
13												33.9	⊙	SP 155	(N2-73)	
14	S	5335		90 03 26				+4.0		+9.8	43.2		⊙			
15																
16	S	4200 2695		90 13 21				-4.0		-14.4		28.8		SP 157		
17																
18	S	4200 1325		90 26 22				-4.0		-14.5		28.7		SP 158		
19																
20	S	4200 551		92 59 08				-4.0		-6.9		36.3		SP 159		

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APR. CHECKED BY 1st M. M. J.

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 27
 LINE No.(s) 39X PARTY No. 184 DATE 27 Day 2 Mo. 75 Yr. BOOK No. 3
 SURVEYOR DAVE DUSOAL RODMAN _____ 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		0							-5.2	-5.2	43.2	38.0		SP	159+55	
3																
4	N	1266		90 30 35					-4.0	-15.3		27.9		SP	160	
5																
6	N	2585		90 09 49					-2.0	-11.4		31.8		SP	161	
7																
8	N	3110		90 00 27					-4.4	-4.8		38.4	⊙	SP	161+50 N2-743	
9																
10		0							+5.2	+5.2	43.6		△			
11																
12	N	2115		90 11 42					-4.0	-33.3		10.3		SP	162	
13																
14	N	3435		90 21 44					-4.0	-25.6		18.0	⊙	SP	163	
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 32
 LINE No.(s) 39X PARTY No. 184 DATE _____ Day _____ Mo. _____ Yr. BOOK No. _____
 SURVEYOR DAVE DUSDAL RODMAN _____ 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		4755										38.5		⊙	SP 161	161+525(N2-74)
3	S	2115	895455					+4.4		-2.6	35.9			Δ		
4	S	1320	900820					-4.0		-7.2		28.7			SP 164	
5		0						-2.5		-7.5		33.4			SP 165	(N2-75)
6	N	1320	900835					-3.0		-7.2		28.7			SP 166	
7																
8	N	2640	900333					-4.0		-6.7		21.2		⊙	SP 167	
9																
10	S	2640	895849					+4.0		+3.1	32.3			Δ		
11																
12	S	1320	895125					-4.0		-4.2		28.1			SP 168	
13																
14		0						-5.9		-5.3		22.0			SP 169	
15																
16	N	1320	900446					-4.0		-5.8		26.5			SP 170	
17																
18	N	2640	900226					-4.0		-5.8		26.5		⊙	SP 171	
19																
20																

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