

**STADIA SURVEY NOTES**

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 1  
 LINE No.(s) 49 PARTY No. 185 DATE 25 Day 3 Mo. 25 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. A. [unclear] RODMAN \_\_\_\_\_ WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

BACK TO TOP OF PAGES  
 NO. 1511

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			INST.	ROD			
1															
2															
3															
4	N	2640	89	58 55				4.0	+32	3.5		Δ			
5		0	✓										Ts4		
6	N	1320	90	00 43				6.0	-43			-	Ts5		
7	S	1320	89	45 01				4.0	+12		5.3	○	Ts3		
8	N	2640	89	58 34				4.0	+22	8.2		Δ			
9		0	✓										Ts1		
10	N	1320	90	02 12				4.0	-48			-	Ts2		
11	S	1320	89	53 09				5.0	-28		5.8	○	SP1		
12	N	2640	89	49 02				5.0	-34	2.7		Δ			
13													SP3		
14	N	1320	89	48 03				3.95	+0			-	SP2		
15	S	2640	89	39 40				4.50	+11		13.5	○	SP4		
16								3.95				Δ			
17															
18															
19															
20															

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**STADIA SURVEY NOTES**

AREA NPA #4 STATE or PROVINCE Alaska PAGE No. 15  
 LINE No.(s) 49 PARTY No. 195 DATE 1 Day 4 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Maxwell RODMAN \_\_\_\_\_ WEATHER: clear & windy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	SEAMAN 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.			
1															
2															
3	N	2640	89	45 99				3.95	-6 <sup>g</sup>	105.9	112.0	Δ	148		
4									-5.2		100.7		150		
5	N	1320	90	19 16				3.25	-11 <sup>z</sup>		94.6	-	149		
6	S	1320	89	47 06				3.95	+1 <sup>o</sup>		106.9	-	151		
7	S	2475	89	26 29				5.95	+18 <sup>z</sup>		124.1	⊙	151A = 151 + 1155'		
8	N	1485	88	26 56				5.75	-29 <sup>z</sup>	94.2		Δ	153		
9	N	1320	88	35 48				3.25	+28 <sup>z</sup>		122.6	-	152		
10	S	1320	89	52 18				3.25	-1 <sup>o</sup>		93.2	-	154		
11	S	1815	89	13 49				5.0	+19 <sup>z</sup>		114.1	⊙	154A = 154 + 125		
12	N	<del>2025</del> 2310	89	59 03				5.95	+5 <sup>z</sup>	119.4		Δ	156 + 165		
13									-5.2		114.2				
14	N	1985	90	39 27				3.95	-21 <sup>o</sup>		98.4	-	155		
15	N	165	93	21 10				4.0	-13 <sup>z</sup>		105.8	-	156		
16	S	1455	89	57 07				3.95	-3 <sup>o</sup>		116.4	-	157		
17	S	2475	89	52 28				4.0	+1 <sup>z</sup>		120.8	⊙	158		
18															
19															
20															

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**STADIA SURVEY NOTES**

*Start*

AREA NPR #1 STATE or PROVINCE Albino PAGE No. 3  
 LINE No.(s) 49 PARTY No. 1195 DATE 26 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. H. Hines 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															
2												8.7			
3	N	2115	89	45	25										
4	N	325	90	20	15						4.6				3 <sup>rd</sup> flag point 18
5	S	495	90	40	46										19
6	S	1815	89	50	08							6.9			20
7	S	2717	89	38	20										3724 + 901.9'
8	N (173°)	1730	82	37	27										22
9															22
10	N	1320	90	22	29										21
11	S	1320	90	09	15										22
12	S	2640	90	00	55										24
13	N	2640	89	58	14							5.6			24
14															26
15	N	1320	90	02	59										25
16	S	1320	90	03	23										27
17	S	2640	89	59	43										28
18												2.8			Intersection (60')
19	E	1001.2	90	29	41"										T.P. (60')
20															Intersection

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LINE 50*

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### STADIA SURVEY NOTES

AREA APR 4 STATE or PROVINCE Alaska PAGE No. 4  
 LINE No.(s) 49 PARTY No. 195 DATE 26 Day 3 Mo. 74 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Moress 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.			
1											2.8				
2															
3	N	2805	90	07 26				6.2	+12 $\frac{3}{4}$	15.1		A		1 <sup>st</sup> flag post 30	
4	N	2485	90	21 55				3.95	-13 $\frac{1}{2}$			-	29		
5	N	165	91	32 15				3.95	-8 $\frac{1}{2}$			-	30		
6	S	1155	90	17 29				3.95	-9 $\frac{1}{2}$			-	31		
7	S	2475	90	11 30				3.95	-12 $\frac{3}{4}$		2.9	0	32		
8	N	2145	89	58 48				4.0	+3 $\frac{3}{4}$	6.2		A		2 <sup>nd</sup> flag post 33	
9	N	825	90	04 07				6.0	-5 $\frac{0}{10}$			-	33		
10	S	495	91	12 01				6.0	-14 $\frac{1}{2}$			-	34		
11	S	1815	90	01 42				4.0	-4 $\frac{1}{2}$		1.3	0	35		
12	S	1320	90	27 59				4.0	+14 $\frac{3}{4}$	16.0		A	36		
13													36		
14	N	1320	90	23 38				4.0	-13 $\frac{1}{2}$			-	37		
15	N	2640	90	10 51				4.0	-12 $\frac{3}{4}$		3.7	0	38		
16	N	1320	90	24 41				4.0	+13 $\frac{5}{8}$	17.2		A			
17													39		
18	S	1320	90	35 16				4.0	-17 $\frac{5}{8}$		3.3	-	40		
19	S	2640	90	16 24				4.0	-16 $\frac{5}{8}$		0.6	0	41		
20															

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**STADIA SURVEY NOTES**

AREA APR 4 STATE or PROVINCE Alaska PAGE No. 5  
 LINE No.(s) 49 PARTY No. 195 DATE 26 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Mowrey RODMAN B. G. COVES WEATHER: blowing SNOW 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												0.6				
3	N 5	1320	90	10 98					+3.95	+8 <sup>1</sup>	8.7		Δ	42		
4														42		
5	S 20	1320	90	06 34					4.0	-6 <sup>5</sup>			-	43		
6	S 47	2640	90	00 01					4.0	-4 <sup>2</sup>		4.7	⊙	44		
7	N	2640	89	58 50					+4.0	+3 <sup>1</sup>	7.8		Δ	46		
8														46		
9	N	1320	89	57 57					4.0	-3 <sup>2</sup>			-	45		
10	S	1320	90	05 43					4.0	-6 <sup>2</sup>			-	47		
11	S	2640	90	00 51					4.0	-4 <sup>1</sup>		3.1	⊙	48		
12	N	1320	90	04 23					+4.0	+5 <sup>2</sup>	8.8		Δ			
13														49		
14	S	1320	89	51 49					5.8	-2 <sup>2</sup>		6.0	⊙	50	T.P.	
15																
16																
17																
18																
19																
20																

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**STADIA SURVEY NOTES**

AREA NIRP STATE or PROVINCE Alaska PAGE No. 6  
 LINE No.(s) 49 PARTY No. 195 DATE 27 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. MANN 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												6.0				
2																
3	N	1155	89	55 31				5.95		+4±	10.4		Δ		4 <sup>th</sup> part lag past 50	
4	S	165	91	33 27				3.95		-8±			-		51	
5	S	1485	90	01' 20"				3.95		-4±		5.9	○		52	
6	N	1320	90	02 33				4.0		+5±	11.3		Δ		53	
7		0	✓												53	
8	S	1320	90	02' 42"				4.0		-5±			-		54	
9	S	2640	89	58 45				4.0		-3±		8.3	○		55	
10	N	2640	89	56 22				4.0		+1±	9.5		Δ		57	
11		0	✓												57	
12	N	1320	89	58 36				4.0		-3±			-		56	
13	S	1320	89	31 58				4.0		+2±		12.3	○		58	
14	N	2640	89	58 12				3.95		+2±	14.9		Δ			
15		0	✓												60	
16	N	1320	90	02 04				4.0		-4±			-		59	
17	S	1320	90	01 48				4.0		-4±			-		61	
18	S	2640	89	50 52				4.0		+3±		17.9	○		62	
19																
20																

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE \_\_\_\_\_ PAGE No. \_\_\_\_\_  
 LINE No.(s) 49 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.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1	<i>See Line 57, SP 99, r page 9 for elev.</i>											19.9	⊙	SP 99 Line 57 going to	
2														intersection Lines 49 & 57	
3		?	Level shot					+5A		25.3		△			
4		OK						-5.2			20.1	⊙		Intersection Lines 49 & 57	
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. 7  
 LINE No.(s) 49 PARTY No. 195 DATE 27 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Adams 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												17.9				
2																
3	N	2640	90	04 12					4.0	+7 $\frac{1}{2}$	25.1		$\Delta$	68		
4		0	$\checkmark$									20.1		69		
5	N	1320	90	10 20					4.0	-8 $\frac{0}{2}$		17.1	-	63		
6	S	1320	90	05 31					4.0	-6 $\frac{1}{2}$		19.0	-	65		
7	S	269.5	90	01 12					4.0	-4 $\frac{1}{2}$		20.2	-			Inter-section w/57
8	S	2640	90	00 53					4.0	-4 $\frac{1}{2}$		20.9	0	66		
9	N	2640	89	58 17					4.0	+2 $\frac{1}{2}$	23.1		$\Delta$	68		INT
10		0	$\checkmark$									18.1		68		42/57
11	N	1320	89	56 55					4.0	-2 $\frac{1}{2}$		20.3	-	67		18.7
12	S	1320	90	00 44					4.0	-4 $\frac{1}{2}$		18.8	-	69		A.S.
13	S	2640	89	59 32					4.0	+0 $\frac{1}{2}$		23.3	0	70		
14	N	2640	89	58 03					4.0	+2 $\frac{1}{2}$	25.8		$\Delta$	72		
15		0	$\checkmark$									20.8		72		
16	N	1320	89	59 55					4.0	-4 $\frac{0}{2}$		21.8	-	71		
17	S	1320	90	03 10					4.0	-5 $\frac{1}{2}$		20.6	-	73		
18	S	2640	89	59 43					4.0	-3 $\frac{1}{2}$		22.0	0	74		
19																
20																

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**STADIA SURVEY NOTES**

AREA A.P. 4 STATE or PROVINCE Alaska PAGE No. 8  
 LINE No.(s) 79 PARTY No. 195 DATE 27 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. M. Jones RODMAN \_\_\_\_\_ WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		H.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												22.0				
2																
3	N	2640	90	04 21					4.0	+73	29.3		Δ	74		
4		0	✓									24.3	π	76		
5	N	1320	90	07 11					4.0	-68		22.5	-	75		
6	S	1320	89	59 24					4.0	-38		25.5	-	77		
7	S	2640	89	58 30					4.0	-28		26.5	0	78		
8	N	2640	90	02 34					4.0	+60	32.5		Δ			
9		0	✓									27.5		80		
10	N	1320	90	10 11					4.0	-72		24.6	-	79		
11	S	1320	89	56 36					4.0	-29		29.8	-	81		
12	S	2640	89	53 31					4.0	+10		33.5	0	82		
13	N	2640	89	56 51					4.0	+16	35.1		Δ	84	T.P.	
14		0	✓									30.1		84		
15	N	1320	90	03 53					4.0	-55		29.6	-	83		
16	S	1320	89	58 56					4.0	-36		31.5	-	85		
17	S	2640	89	57 25					4.0	-20		33.1	0	86		
18																
19																
20																

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**STADIA SURVEY NOTES**

AREA NPR # STATE or PROVINCE Alaska PAGE No. 9  
 LINE No.(s) 99 PARTY No. 195 DATE 27 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Mohns 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													33.1			
2		1320														
3	N	2640	90	25 32						+13.8	40.9		Δ	88		
4		0											41.9			
5	+	1320														
6		859	90	01 57				5.95		-6.4	40.5		-	88		40 ft (over for intersection)
7	S	1320	90	03 08				4.0		-5.2	41.7		○	88		Intersection w/26
8	N	2640	89	50 05				4.0		-3.6	30.2		Δ	89		
9														90		
10	N	1320	90	01 27				4.0		-4.6	33.5		-	89		
11	D	1320	89	57 50				4.0		-3.2	34.9		-	91		
12	S	2640	89	57 41				4.0		-2.2	35.19		○	92		
13	N	2145	90	12 41				4.0		+11.9	47.8		Δ	93		3° Flag past 93
14	N	825	90	34 11				4.0		-12.2	35.6		-	93		
15	S	495	90	33 44				4.0		-8.9	38.0		-	94		
16	S	1815	89	57 32				4.0		-2.9	45.1		○	95		
17	N	1320	90	09 19				4.0		+7.2	52.7		Δ	96		
18														96		
19	S	1320	90	24 41				4.0		-13.5	39.2		○	97		
20	S	2640	90	10 18				4.0		-11.1	40.0		○	98		

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**STADIA SURVEY NOTES**

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 10  
 LINE No.(s) 49 PARTY No. 145 DATE 27 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Address 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												40.8				
2																
3	N	1320	89	59 07				3.95		+36	44.4		A	98	TD	
4		0								-50		39.4	-	101		
5	S	1320	89	41 02				3.0		+43		48.7	⊙	100		
6		<del>1320</del>	<del>90</del>	<del>17 52</del>				<del>5.95</del>		<del>7.08</del>			A	<del>100</del>	to 99	
7																
8		1320	90	08 52				3.95		-33			⊙	101		
9	N	2640	89	56 24				5.95		+33	51.9		A	100	1. 100	
10												46.9		102		
11	N	1320	90	09 39				3.95		-73		44.2	-	101		
12	S	1320	89	45 19				3.95		+13		53.6	⊙	103		
13	N	2640	89	44 04				4.0		-83	45.4		A			
14												40.4		105		
15	N	1320	89	40 37				6.0		+34		48.8	-	104		
16	S	1320	90	05 07				6.0		-60		39.4	-	106	Dark Cover for Intersection	
17	S	2533	89	50 35				4.0		+29		46.3	-		Intersection 49 + 26	
18	S	2640	89	51 34				6.0		+25		47.9	⊙	107	Int 59/26	
19																
20																

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Dark

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48.1 A.S.

### STADIA SURVEY NOTES

AREA APL 4 STATE or PROVINCE Alaska PAGE No. 11  
 LINE No.(s) 49 PARTY No. 195 DATE 27 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR A. M. JENSEN 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												47.9				
2																
3	N	2640	89	85.7				4.0	-45	43.4	Δ	107				
4												38.4			109	
5	N	1320	90	04 09				4.0	-56			37.8	-		108	
6	S	1320	89	59 15				4.0	-37			39.7	-		110	
7	S	2640	89	59 33				4.0	-37			39.7	⊙		111	
8	N	2640	90	00 48				4.0	+46	44.3	Δ	118				
9												39.3			113	
10	N	1320	90	02 21				4.0	-42			39.4	-		112	
11	S	825	89	16 23				5.95	+44			48.7	⊙		113A	= 413 + 825
12	N	1815	89	56 58				5.95	+43	52.0	Δ					
13												48.0			115	
14	N	1320	90	05 03				4.0	-52			47.1	-		114	
15	S	1320	89	55 45				4.0	-22			50.6	⊙		116	
16	S															
17	N	1320	90	09 08				4.0	+75	58.1	Δ	118				
18												53.1			117	
19	S	1320	90	04 35				5.95	-73			50.9	-		118	
20	S	2640	90	04 33				4.0	-75			50.6	⊙		119	

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**STADIA SURVEY NOTES**

AREA map 4 STATE or PROVINCE Alberta PAGE No. 12  
 LINE No.(s) 49 PARTY No. 145 DATE 30 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. M. Jones RODMAN \_\_\_\_\_ WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

825 0  
495 4

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													50.6			
2																
3	N	2640	90	03 15						+6E		57.1		A		
4													52.1		121	
5	N	1320	40	09 21						-7E			49.5		120	
6	S	1320	90	03 35						-5E			51.7		122	
7	S	2640	90	05 22						+8E		59.8		A		
8													54.8		124	
9	S	1320	90	09 29						-7E			52.2		123	
10	N	1320	90	14 19						-9E			50.3		125	
11	N	2640	90	07 08						-9E			50.4		126	
12	S	1320	89	55 59						+2E		52.9		A		
13													47.9		127	T.P.
14	N	1320	90	05 42						-4E			48.1		128	
15	S	2640	90	18 03						+16E		64.6		A		
16													59.6		130	
17	S	1320	90	43 40						-20E			43.8		129	
18	N	1320	89	25 11						+9E			74.0		138	
19																
20																

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### STADIA SURVEY NOTES

AREA NPL 4 STATE or PROVINCE Alaska PAGE No. 13  
 LINE No.(s) 49 PARTY No. 195 DATE 30 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR H. Moxness 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																
3	N	2128	89	54 48					4.0	+0.2	74.3		A	131		
4	N	1189	90	09 15					4.0	-7.0		67.3	-	132		
5	S	211 <del>165</del>	93	32 57					4.0	-17.1		57.2	-	133		
6	S	1531	90	30 31					4.0	-17.0		56.7	⊙	134		
7	N	2640	90	06 09					4.0	+8.2	65.4		A			
8																
9	N	1320	90	09 10					4.0	-7.5		60.4	-	136		
10	S	1320	89	47 13					5.0	-0.1		59.9	-	135		
11	S	2640	89	11 16					4.0	+33.4		65.3	-	137		
12	N	1320	✓						8.6	+8.5	107.4		⊙	138		
13																
14	S	1320	90	41 30					4.0	-19.4		102.4	-	139		
15	S	2640	90	10 45					4.0	-12.3		87.5	-	140		
16	N	2640	89	55 46					4.0	+0.2	95.8		⊙	141		
17																
18	N	1320	90	41 52					4.0	+0.2		90.8	A	142		
19	S	1320	89	26 15					5.0	+8.0		75.7	-	143		
20																

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**STADIA SURVEY NOTES**

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 14  
 LINE No.(s) A9 PARTY No. 195 DATE 30 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Moxness RODMAN B. Groves WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											107.8				
2															
3	N	2640	90	06 17				4.0	+8 <sup>±</sup>	112.63		Δ			
4								4.0	-15 <sup>±</sup>		107.6		146		
5	N	1720	90	30 42				8.0	+8 <sup>±</sup>		96.8	-	115		
6	S	1320	89	17 29				4.0	+5 <sup>±</sup>		120.9	⊙	147		
7	N	10	96	13 32				5.6		126.0		Δ			
8				✓				10.0	-13 <sup>±</sup>		121.0				
9	S	1310	90	08 17							122.8	⊙	148		
10															
11		Two to	42/A												
12											114.0				
13	E	2000	88	42 02				10.0	77 <sup>±</sup>	76.8		Δ			
14	W	1500	88	50 08				10.0	+20.5		97.3	⊙			
15	E	2640	89	50 04				10.0	+2.4	99.7		Δ			
16	W	2560	90	17 05				10.0	77 <sup>±</sup>		77.0	⊙			
17	E	265	91	12 42				5.0	710 <sup>±</sup>	87.6		Δ			
18	W	395	89	01 26				30	+3 <sup>±</sup>		91.0	⊙	sp 138		
19															
20															

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### STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE \_\_\_\_\_ PAGE No. 2  
 LINE No.(s) 49 PARTY No. 195 DATE 25 Day 3 Mo. 25 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. MOYNESS RODMAN \_\_\_\_\_ 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		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																
2																
3	N	2640	84	33	21				5.95	-145	-1.0	12.5	Δ	4		
4																
5	N	1320	89	50	34				3.95	-03			-	6		
6	S	1320	90	09	05				3.95	-74			-	5		
7	S	2640	89	59	22				3.25	-35		-4.5	○	7		
8	N	2640	90	03	40				3.95	+68	2.3		Δ	8		
9																10
10	N	1320	90	06	48				3.95	-66			-	9		
11	S	1320	90	06	47				3.95	-65			-	11		
12	S	2640	90	01	51				3.95	-54		-3.1	○	12		
13	N	495	90	42	45				3.95	+101	7.0		Δ	12	FLAG past 12	
14	S	825	90	12	08				3.95	-69			-	13		
15	S	2145	90	01	10				3.95	-44		2.3	○	14		
16	N	2640	89	58	33				4.0	+29	5.2		Δ			
17																16
18	N	1320	90	01	17				4.0	-45			-	15		
19	S	1320	89	40	26				4.0	+35		8.7	○	17		
20																

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## STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 16  
 LINE No.(s) 49 PARTY No. 195 DATE 1 Day 4 Mo. Yr. BOOK No.   
 SURVEYOR M. MORRIS RODMAN  WEATHER: windy 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												120.8				
2													1	158		
3	N	7640	90	02 56				4.0		+63	127.1		A			
4		0	✓							-5.2		121.91		160		
5	N	1320	90	20 57				3.95		-12		115.1		159		
6	D	1320	90	25 09				3.55		-13		113.0		161		
7	S	2640	90	02 58				4.0		-62		120.9		162		
8	N	1320	90	20 11				4.0		+11.7	132.6		A			
9		0	✓							-5.2		127.4		163		
10	S	1320	91	01 07				3.95		-27		105.2		164		
11	N	2195	90	48 08				3.95		+34	139.2		A	165A	165 + 825 (T.P.)	
12	N	825	91	06 47				3.75		-19		119.4		165		
13	C	495	91	03 10				3.50		-12		126.6		166		
14	S		✓					5.9		-5		133.3		166 + 825'		
15	N	1320	89	42 31				3.95		-28	130.5		A	167 + 825'		
16	N	825	90	25 13				4.0		-10		120.4		167		
17	S	495	91	46 22				4.0		-19		111.2		168		
18	C	1815	90	50 49				4.0		-30		99.7		169		
19																
20																

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**STADIA SURVEY NOTES**

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 17  
 LINE No.(s) 49 PARTY No. 195 DATE 1 Day 4 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Moxness 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													99.7			
2																
3	N	1320	89	03	02			4.0		+5.2	104.9			170		Out
4										-5.2			99.7			(over for intersection)
5	S	493	88	52	32			5.4		+4.3			109.2			Intersection 49+30 (refer to
6	S	1320	88	54	07			10.0		+15.3			120.2			171 attached
7	S	1815	88	58	03			13.0		+19.3			124.6			171 + 495' sheet)
8	N	2195	89	49	20			5.95		-0.3	123.9 (123.9)					
9													118.9			173
10	N	1320	90	09	02			4.0		-7.5			117.1			172
11	S	1320	90	18	05			10.0		-16.9			107.7			174
12	S	2640	90	01	05			4.0		-4.8			119.1			175
13	N	2640	89	34	23			10.0		-9.3	109.4					
14										-5.2			104.2			177
15	N	1320	90	04	30			2.0		-3.3			105.7			176
16	S	1320	90	03	15			3.95		-5.3			104.2			178
17	S	2640	90	00	12			3.95		-4.1			105.3			179
18																
19																
20																

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**STADIA SURVEY NOTES**

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 18  
 LINE No.(s) 49 PARTY No. 195 DATE 2 Day 4 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Moxness RODMAN \_\_\_\_\_ 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		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2													105.3			
3	N	1320	90	08 20"				3.95		+7'	112.4		Δ	179		
4		0								-5.2		107.2		180		
5	S	1320	89	07 22				12.0		+8"		120.6	⊙	181		
6	N	1320	89	43 32				4.0		-2"	118.3		Δ			
7	N	01320								-5.2		113.1		182		
8	S	1320	89	43 49				4.7		+15"		119.8	-	183		
9	S	2640	89	36 36				12.0		+6"		124.3	⊙	183	455' 184	
10	N	495	90	15 31				4.1		+5"	129.6		Δ			
11												124.6		184	495 (G.P.)	
12	S	825	90	30 19				4.7		-12"		117.6	⊙	185		
13	N	2640	90	07 06				3.8		+9"	126.9		Δ			
14										-5.2		121.7		187		
15	N	1320	90	48 29				3.8		-22"		104.5	-	186		
16	S	1320	89	33 08				4.7		+5"		132.5	⊙	188		
17	N	2640	89	52 42				3.8		-18"	130.7		Δ			
18		0								-5.2		125.5		190		
19	N 1230	1320	90	05 45				3.8		-6"		124.7	-	189		
20		1320	89	45 27				4.7		+0"		131.5	⊙	191		

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**STADIA SURVEY NOTES**

AREA NBR 4 STATE or PROVINCE Alaska PAGE No. 19  
 LINE No.(s) 19 PARTY No. 195 DATE 2 Day 9 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. MORRIS RODMAN \_\_\_\_\_ WEATHER: windy 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.			
1											130.7				
2	<del>S</del> S	2640	89	48 50				15.0	-6 <sup>h</sup>		124.3	0	192		
3	N	2475	89	50 07				14.5	+7 <sup>h</sup>	136.7		A	<del>193</del> 198 + 1155		
4	N	1155	89	42 10				3.8	+2 <sup>h</sup>		133.9	-	<del>193</del> 193		
5	S	165	91	57 19				3.8	-9 <sup>h</sup>		122.3	-	<del>194</del> 194		
6	S	1485	90	21 41				4.7	-14 <sup>h</sup>		117.6	-	<del>195</del> 195		
7	S	2805	90	07 46				4.7	-11 <sup>h</sup>		120.7	0	196		
8	N	2640	89	52 48				3.8	-1 <sup>h</sup>	119.0		A	1		
9									-5.2		113.8		<del>196</del> 198		
10	N	1320	89	58 07				4.8	-3 <sup>h</sup>		115.9	-	<del>198</del> 197		
11	S	1320	89	43 16				4.7	+1 <sup>h</sup>		120.7	-	<del>199</del> 199		
12	S	2640	89	29 45				4.7	+18 <sup>h</sup>		137.9	0	<del>198</del> 200		
13	N	2640	89	47 31				3.8	-5 <sup>h</sup>	132.1		A			
14									-5.2		126.9		202		
15	N	1320	89	54 04				3.8	-1 <sup>h</sup>		130.6	-	201		
16	S	1320	90	50 50				4.7	-24 <sup>h</sup>		107.9	-	203		
17	S	2640	90	18 34				4.7	-19 <sup>h</sup>		113.1	0	209		
18	N	1320	90	30 12				10.0	+21 <sup>h</sup>	134.2		A	21		
19									-5.2		129.5		205		
20	S	1320	90	09 08				4.7	-8 <sup>h</sup>		126.5	0	206		

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## STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 20  
 LINE No.(s) 49 PARTY No. 195 DATE 2 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. MORALES 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.			
1											126.5				
2															
3	S	1320	89	49 28				3.8	-0.3	126.2		A	207		
4		0	✓						-5.2		121.0		207		
5	S	1320	90	14 35				4.7	-10.3		115.9	0	208	(T.P.)	
6	N	2640	89	53 58				9.0	+4.3	120.2		A			
7		0	✓						-5.2		115.0		210		
8	N	1320	89	50 59				3.8	-0.3		119.9	-	209		
9	S	1320	90	31 47				4.7	-16.4		103.3	-	211		
10	S	2640	90	16 07				4.7	-17.3		102.9	0	212		
11	N	1660	90	00 52				3.8	+4.2	107.1		A		(Intersection of 58 & 49)	
12		0	✓						-5.2		101.9			(Refer to attached sheet) See page 20A	
13	N	340	✓					5.1	-5.1		102.0	-	213		
14	S	980	90	01 47				4.7	-5.2		101.9	0	214		
15	N	2115	90	40 52				3.8	+28.9	130.8		A	215+	795'	
16	N	795	90	51 24				3.8	-15.2		115.1	-	215		
17	S	525	90	52 40				4.7	-12.2		118.1	-	216		
18	S	1020	90	05 34				4.7	-6.4		124.4	0	216	+493'	
19															
20															

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE \_\_\_\_\_ PAGE No. 20A  
 LINE No.(s) 49 PARTY No. 195 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	<i>Going from intersection Lines 49+58 to SP 465 Line 58</i>															
2																
3		0														⊙ Intersection Lines 49+58
4																⊙ SP 465 Line 58
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. 21  
 LINE No.(s) 49 PARTY No. 195 DATE 2 Day 4 Mo. Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. MOYNESS RODMAN \_\_\_\_\_ WEATHER: windy 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.			
1											124.4				
2													216 + 495'		
3	N	660	87	59 32				3.8	-19 3	105.1		Δ	216 + 1155		
4	S	165	90	27 28				4.0	-5 3		99.8	-	217.		
5	S	1485	90	00 37				4.7	-5 0		100.1	0	218.		
6	N	1680	90	35 32				4.0	+21 4	121.5		Δ	219 + 360'		
7	N	360	92	36 45				4.0	-20 4		101.1	-	219		
8	S	960	90	43 25				4.0	-16 1		105.4	-	220		
9	S	2280	90	19 21				4.0	-16 8		104.7	0	221		
10	N	2640	90	01 42				4.0	+5 3	110.0		Δ			
11		0	✓						-5.2		104.8		223		
12	N	1320	90	00 20				3.7	-3 8		106.2	-	222		
13	S	1320	90	04 57				4.0	-5 9		104.1	-	224		
14	S	2640	90	02 05				3.8	-5 4		104.6	0	225		
15	N	1485	90	41 50				3.8	+21 9	126.5		Δ	226 + 165'		
16	N	165	94	43 01				6.0	-19 6		106.9	-	226		
	S	1155	90	22 42				1.2	-8 8		117.7	0	227		
	N	1815	90	18 53				1.2	+11 2	128.9		Δ	228 + 495		
		495	90	20 28				3.9	-6 8		112.1	-	228		
		825	90	48 37				3.7	-18 4		113.5	-	229		

DRAWN BY LOWANCE

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**STADIA SURVEY NOTES**

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 22  
 LINE No.(s) 49 PARTY No. 1195 DATE 3 Day 4 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. MOYACSS RODMAN \_\_\_\_\_ WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distances	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												128.9				
2	S	2145	90	17 24				3.8		-14±		114.2	⊙	230		
3	W	1320	90	25 21				3.8		+13±		127.7	Δ			
4										-5.2		122.5		231	(T.P.)	
5	S	1320	90	04 36				3.0		-4±		122.9	⊙	232		
6	N	2640	89	45 59				5.1		-5±		117.2	Δ	<del>234</del>		
7		0	✓							-5.2		112.0	●	234		
8	N	1320	90	03 51				3.5		-5.0		112.2	-	233		
9	S	1320	90	03 30				3.3		-4±		112.6	-●	235		
10	S	2640	90	02 07				3.9		-5±		111.7	⊙●	236		
11	N	2145	90	23 09				3.9		+18±		130.0	Δ	237	825'	
12	N	825	90	59 26				3.2		-17±		112.5	-	237		
13	S	495	91	43 50				3.2		-18±		111.9	-	238		
14	S	1815	90	27 26				3.8		-18±		111.7	⊙	239		
15	N	1815	90	30 33				3.8		+19±		131.63	Δ	240	+ 495'	
16	N	495	90	63 48				4.0		-11±		109.9	-	240		
17	S	825	90	17 08				3.6		-7±		123.9	-	241		
18	S	2195	90	04 33				3.4		-6±		125.4	⊙	242		
19																
20																

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**STADIA SURVEY NOTES**

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 23  
 LINE No.(s) 49 PARTY No. 1195 DATE 7 Day APRIL Mo. 1975 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHERBILL RODMAN R. IPAISCH WEATHER: CLEAR P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. Elev. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											125.4				
2	NE	1815	✓					+7.0	+7.0	132.4		Δ	SA 242		
3		495	✓					7.5	-7.5		124.9			243	
4		0	✓					5.0	-5.0		127.4		π	243+495	
5	SW	825	✓			B	11.8	-4.2	-16.0		116.4			244	
6		2145	✓					14.8	-14.8		117.6			245	
7		3465	✓					14.4	-14.4		118.0		0	246	
8	NE	3465	✓					+4.3	+4.3	122.3		Δ			
9		2145	✓					5.1	-5.1		117.2			247	
10		825	✓					5.0	-5.0		117.3			248	
11		0	✓					5.0	-5.0		117.3		π	248+825	
12	SW	495	✓					6.0	-6.0		116.3			249	
13		1815	✓			T	2.0	+9.1	+7.1		129.4		0	250	
14	NE	2640	✓			T	+11.7	-132	-1.5	127.9		Δ			
15		1320	✓					8.0	-8.0		119.9			251	
16		0	✓					5.0	-5.0		122.9		π	252	
17	SW	1320	✓			T	7.1	+6.6	-0.5		127.4			253	
18		2640	89°32'20"					3.0	+18.2		146.1		0	254	
19	NE	2640	✓					+4.3	+4.3	150.4		Δ			
20		1320	✓					9.2	-9.2		141.2			255	

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## STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 24  
 LINE No.(s) 25-49 PARTY No. 1195 DATE 7 Day APRIL Mo. 1975 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHERRILL RODMAN R. IPPISCH WEATHER: CLEAR P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. Elev. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												150.4				
2		0	✓						5.0		-5.0	145.4	π	256		
3	SW	1320	✓						10.3		-10.3	140.1	π	257		
4		2640	✓						10.2		-10.2	140.2	0	258		
5	NE	2640	✓						5.6		+5.6	145.8	Δ			
6		1320	✓						5.6		-5.6	140.2		259		
7		0	✓						5.0		-5.0	140.8	π	260		
8	SW	1220	✓						6.2		-6.2	139.6		261		
9		2640	✓						5.5		-5.5	140.3	0	262		
10	NE	1320		92°58'30"					14.0		+82.5	222.8	Δ			
11		0	✓						4.5		-4.5	218.3	π	263		
12	SW	1320		80°42'55"					14.0		+15.6	238.4	0	264		
13	NE	3960	✓						13.4		+13.4	257.8	Δ			
14		2640	✓						10.0		-10.0	241.8		265		
15		1320	✓						7.4		-7.4	244.4		266		
16		0	✓						5.0		-5.0	246.8	π	267		
17	SW	1220	✓						2.2		-2.2	249.6		268		
18		2640	✓						T 6.5	+13.2	+6.7	258.5	0	269		
19	NE	825		89°10'00"					2.3		-9.7	248.8	Δ			
20		0	✓						5.0		-5.0	243.8	π	270	825	

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**STADIA SURVEY NOTES**

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 25  
 LINE No.(s) 75-49 PARTY No. 1195 DATE 7 Day APRIL Mo. 1975 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SMERRILL RODMAN R. IPPISCH 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.			
1											248.8				
2	SW	495	93°	15' 42"				14.0	-42.2		206.6		SP 270		
3		181.5	92°	42' 45"				14.0	-99.9		148.9	0	SP 271		
4	NE	2640	91°	24' 10"				74.0	+78.6		227.5	Δ			
5		1320	91°	41' 50"				28.1 <sup>M</sup>	-65.2		116.3		272		
6		0	✓					5.0	-5.0		232.5	π	273		
7	SW	1320	89°	24' 20"				2.0	+11.7		240.2		274		
8		2640	89°	24' 20"				10.2	+17.4		244.9	0	275	Note: line 59 was between SPs 275 & 276 (276.3)	
9	NE	2640	✓				T	+2.8	-13.2		239.5	Δ			
10		1320	✓				B	9.7	-6.6		223.2		276		
11		0	✓					5.0	-5.0		234.9	π	277		
12	SW	1320	✓				B	10.8	-6.6		222.1		278		
13		2640	✓				B	12.8	-13.2		213.3	0	279	left off line here, will return & carry line further south later	
14															
15															
16															
17															
18															
19															
20															

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not 59/47  
 226.8 A.S.  
 st. 275 + 165

**STADIA SURVEY NOTES**

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 26  
 LINE No.(s) 75-99 PARTY No. 1195 DATE 7 Day APRIL Mo. 1970 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHERRILL RODMAN P. IPPISCH WEATHER: CLEAR 3 5/20 1/11/15 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.	ROD			
1												213.5				
2	N	1320	✓						14.2	+10.2	227.7		Δ	287	Picked up + carried	
3			✓						5.0	-5.0		222.7	X	280	Line south after	
4	S	1320		90° 51' 02"					14.0	-33.9		193.8		281	2 weeks on other	
5		2640	✓			B	3.2	-13.2		-16.4		211.3	⊙	282	lines	
6	N	2640	✓			T	1.8	-13.2		-11.4	199.9		Δ			
7		1320		89° 56' 10"					15.0	-13.5		186.4		283		
8			✓						5.0	-5.0		194.9	X	284		
9	S	1320	✓						10.0	-10.0		189.9		285		
10		2640	✓						5.0	-5.0		194.9	⊙	286		
11	N	2640	✓						10.9	+10.9	205.0		Δ			
12		1320	✓						7.5	-7.5		198.3		287		
13			✓						5.0	-5.0		200.8	X	288		
14	S	1320	✓						4.0	-4.0		201.8		289		
15		2640	✓						0.8	-0.8		205.0	⊙	290		
16	N	2640	✓						10.0	+10.0	215.0		⊙			
17		1320	✓						10.0	-10.0		205.0		291		
18			✓						5.0	-5.0		210.0	X	292		
19	S	685		86° 35' 07"					8.0	+38.8		258.8	⊙	292 + 685		
20	N	1955		89° 08' 50"					1.0	-28.1	278.7		⊙			

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### STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE OR PROVINCE ALASKA PAGE No. 27  
 LINE No. (s) 75-80 PARTY No. 119 DATE 22 Day APRIL Mo. 1972 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. S. HALL RODMAN K. W. PISCHE WEATHER: Snow 11:00 AM P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
1											225.7				
2	N	1320	✓			T	7.0	-6.6		-0.4	225.3		SA 293		
3		0	✓						5.0	-5.0	220.7		294		
4	S	1320	✓						4.7	-4.7	221.0		295		
5		2640		89° 17' 52"					2.0	+30.4	256.1	0	296		
6	N	1320	✓						14.0	+14.0	270.1		Δ		
7		0	✓						5.0	-5.0	265.1		297		
8	S	1320		90° 25' 27"					14.0	-23.0	247.1		298		
9		2145		90° 41' 55"					14.0	-40.2	229.9	0	298+825		
10	N	3135	✓			B	8.7	+5.6		+24.3	254.2		Δ		
11		2640		90° 38' 50"					14.0	-43.8	210.4		299		
12		1320		91° 28' 40"					14.0	-48.0	206.2		300		
13		0	✓						5.0	-5.0	249.2		301		
14	S	1320		<del>90° 28' 40"</del>		B	10.2	-6.6	<del>14.0</del>	-16.8	237.4		302		
15		2640	✓						11.1	-11.1	243.15	0	303		
16	N	2640	✓			B	8.1	+13.2		+21.3	264.4		Δ		
17		1705		90° 24' 00"					14.0	-26.0	238.4		INT 49/62	246.0	
18		1680	✓			B	11.0	-8.4		-19.4	245.0		SA 163/62	P. 10	
19		1320		90° 20' 36"					14.0	-21.9	242.5		304	E-2	
20		0	✓						5.0	-5.0	259.4		305	LINE 62	

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**STADIA SURVEY NOTES**

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 28  
 LINE No.(s) 75-49 PARTY No. 1195 DATE 24 Day APRIL Mo. 1975 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHERMILL RODMAN R. IPPISCH WEATHER: CLOUDY WINDY 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.			
1															
2	S	1320		90° 31' 25"				20.5	-32.6		231.8		50 506		
3		2640		80° 25' 18"				14.6	-41.7		222.7	0	307		
4	N	3960		90° 31' 15"				14.0	+50.0	278.7		Δ			
5		2640		90° 32' 27"				20.5	-43.4		227.3		308		
6		1320		90° 51' 03"				14.0	-33.6		239.1		309		
7		0	✓					5.0	-5.0		267.7		310		
8	S	1320	✓					11.1	-11.1		256.6	?	311		
9	N	1815	✓					10.4	+10.4	272.0		↓			
10		495	✓					14.2	-14.2		257.8		312		
11		0	✓					5.0	-5.0		267.0	✓	312 + 425		
12	S	825		91° 31' 23"				14.0	-35.9		236.1		313		
13		2145	✓					14.4	-14.4		257.6		314		
14		3465		89° 54' 56"				3.0	+2.1		274.15	?	315		
15	N	2640		89° 00' 57"				11.0	-34.2	239.2		Δ			
16		1320		89° 05' 38"				2.0	+18.7		258.7		316		
17		0	✓					5.0	-5.0		234.8	✓	317		
18	S	1320		89° 40' 22"				2.0	+5.5		245.3		318		
19		2640		89° 01' 10"				11.0	+34.2		274.8	0	319		
20	N	2640	✓					B 11.2	+13.2		289.4	Δ			

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## STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE N.S. PAGE No. 29  
 LINE No. (s) 75-49 PARTY No. 100 DATE 26 Day April Mo. 1975 Yr. BOOK No.   
 SURVEYOR S. HARRILL RODMAN H. HARRISCH WEATHER: clear 65-75 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												289.4				
2	N	1320	✓						11.0		-16.8	282.6		SA320		
3		0	✓						5.0		-5.0	294.4	×	321		
4	S	1320	✓						10.2		-10.2	282.2		322		
5		2640	✓			B	11.2	-13.7			-22.4	274.0		323		
6		3960	✓						11.6		-11.6	282.8	○	324		
7	N	2640	✓			T	+4.8	-13.2			-8.4	279.4	A			
8		1980	✓			T	0.8	+9.9			+9.1	288.5				
9		1985	89° 35' 36"						2.0		+12.1	292.5				INT 63/49
10		1320	✓						5.0		-5.0	274.4		325		SA 325/LINE 63 292.9
11		0	✓						5.0		-5.0	274.4	×	326		P. 35
12	S	1320	✓						4.9		-4.9	274.5		327		L-12
13		2640	✓			T	8.6	+13.2			+4.6	283.4	○	328		LINE 63
14	N	2640	89° 57' 15"						5.0		+2.9	286.9		329		
15		1320	✓						3.3		-3.3	283.6		330		
16		0	✓						5.0		-5.0	281.9	×	331		
17	S	1320	89° 00' 10"						4.0		+19.0	305.9		332		
18		2640	89° 01' 06"						15.0		+30.2	302.8	○	333		
19	N	3465	89° 28' 56"						5.0		-26.3	280.8	△			
20		2145	✓			B	4.6	-10.7			-15.3	275.5		333		

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T.S.

CHECKED BY 1st

M.M.M.

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**STADIA SURVEY NOTES**

AREA N.A.R. - 4 STATE or PROVINCE ALASKA PAGE No. 30  
 LINE No.(s) 75-40 PARTY No. 1195 DATE 26 Day APRIL Mo. 1975 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SARRILL RODMAN R. IPPISCH WEATHER: SNOW FLURRIES 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.			
1											290.8				
2	N	825		90° 36' 40"				14.0	-20.4		270.4		334		
3		0	✓					5.0	-5.0		285.8	π	334 + 825		
4	S	715	✓					1.9	-1.9		288.9		335		
5		1815	✓				T	9.5	+9.1		290.4		336		
6		3135		89° 49' 00"				10.0	0.0		290.8	⊙	337		
7	N	3135	✓				B	5.5	+5.7		312.0	⊙			
8		1515	✓					12.0	-12.0		300.0		338		
9		495	✓				B	15.0	2.5		294.5		339		
10		0	✓					5.0	-5.0		307.0	π	339 + 425		
11	S	825	✓					6.6	-6.6		305.4		340		
12		2145	✓				T	4.2	+10.7		320.5	⊙	341		
13	N	2640	✓					7.5	+7.5		326.04	⊙			
14		1320	✓				B	11.0	-6.6		307.6		342		
15		0	✓					5.0	-5.0		321.0	π	343		
16	S	1320		90° 40' 05"				14.0	-29.4		296.6		344		
17		2640		90° 28' 00"				14.0	-35.5		290.5		345		
18		3260		90° 41' 40"				20.5	-68.5		287.9	⊙	346		
19	N	1320		90° 50' 00"				20.5	+39.7		297.26	⊙			
20		0	✓					5.0	-5.0		292.2	π	347		

71-6000

WORKED BY T.S. CHECKED BY 1st M.M.A. 2nd \_\_\_\_\_



**STADIA SURVEY NOTES**

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 31  
 LINE No.(s) 75-49 PARTY No. 1195 DATE 22 Day APRIL Mo. 1975 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR T. SHERRILL RODMAN R. IPPISCH WEATHER: SNOW FLURRIES 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											297.2			
2	S	132.0	✓			B	8.6	-6.6		-15.2	292.0		S.P. 348	
3		76.0		89° 35' 10"					2.0	+17.1	314.3		T.S. 1	
4		396.0		85° 22' 47"					3.0	+39.9	357.1		T.S. 2	
5	N	132.0		30° 38' 23"					7.0	+28.7	365.8			
6		0	✓						5.0	-1.0	360.8		T.S. 3	
7	S	132.0		90° 05' 19"					4.0	-6.0	359.8		T.S. 4	
8		254.0		89° 59' 53"					4.0	-3.7	362.1		T.S. 5	
9		396.0		90° 05' 51"					4.0	-10.7	355.4		T.S. 6	
10														
11														
12														
13														
14														
15														
16														
17														
18														
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20														

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WORKED BY T.S. CHECKED BY 1st MMW 2nd \_\_\_\_\_