

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 1  
 LINE No.(s) 57 PARTY No. 195 DATE 12 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. MOXNESS RODMAN C Maxwell WEATHER: heavy mist, visibility < 3/4 mile P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1																
2																
3																
4	NE	2640	89°53'09"		.198			+4.0	-5.2	-1.2	13.8	15.0	Δ	1		
5	-	0	✓							-5.0		8.8		3		
6	NE	1320	89°52'33"					-4.0	+2.8	-1.2		12.6	-	2 <sub>s</sub>		
7	SW	1320	89°22'10"		1.097			-4.7	+14.5	+9.8		23.6	○	4		
8	NE	2640	89°55'46"		.123			+4.0	-3.2	+8	24.4		Δ	6		
9		0	✓							-5.0		19.4		6		
10	NE	1320	90°04'37"		F <sup>0</sup>			-4.0	-1.8	-5.8		18.6	-	5		
11	SW	1320	90°45'12"		1.311			-4.7	-17.3	-22.0		2.4	-	7		
12	SW	2640	90°21'00"		.609			-4.7	-16.6	-20.8		3.6	○	8		
13	NE	2640	89°57'08"		.083			+4.0	-2.2	+1.8	5.4		Δ			
14		0	✓							-5.0		0.4		10		
15	NE	1320	90°01'36"					-4.0	-	-4.6		0.8	-	9		
16	SW	1320	89°53'53"					-4.7	+	-2.4		3.0	-	11		
17	SW	2640	89°55'01"		.145			-4.7	+3.8	-0.9		4.5	○	12		
18																
19																
20																

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### STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 4  
 LINE No.(s) 57 PARTY No. 195 DATE 12 Day 3 Mo. 25 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Motwess RODMAN C. Maxwell WEATHER: ice fog, snow flurries 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												15.8				
3	NE	2640	89°	42' 41"	.502				+4.0	-13.2	-9.3	6.5	Δ			
4		0	✓								-5.0		1.5	-	38	
5	NE	1320	89°	46' 11"					4.0		+1.3		5.2	-	37	
6	SW	1320	89°	56' 55"					4.7		-3.5		3.0	-	39	
7	SW	2640	89°	53' 45"	.181				-4.7	+4.8	+0.1		6.6	○	40	
8	NE	2640	89°	51' 46"	.239				+10.0	-6.3	+3.7	10.3	Δ			WORKED BACK
9		0	✓								-5.0		5.3	-	42	
10	NE	1320	89°	55' 02"					4.0		-2.1		8.2	-	41	
11	SW	1320	90°	00' 07"					4.7		-4.7		5.6	-	43	
12	SW	2640	89°	58' 46"	.036				-4.7	+ .9	-3.8		6.5	○	44	T.P.
13	NE	2805	90	08' 22"	.243				+4.0	+6.8	+10.8	17.3	Δ	46A	first flag post 46 (66)	
14	NE	1485	90	19' 16"					4.0		-12.3		5.0	-	45	
15	NE	165	92	49' 10"					4.0		-12.1		5.2	-	46	
16	SW	1320	90	00' 49"					4.7		-5.0		12.3	-	47	
17	SW	2640	90	09' 02"	.26				-4.7	-16.9	-11.6		5.7	○	48	
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 3  
 LINE No.(s) 57 PARTY No. 195 DATE 12 Day 3 Mo. 25 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Moxness RODMAN C Maxwell WEATHER: misty; ice fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1																
2												2.9				
3	NE	2640	90°	04'06"	.119			+4.0	+3.1	+7.1'	10.0		Δ			
4		0	✓							-5.0		5.°	-	26		
5	NE	1320	90°	12'45"				4.0		-8.9'		1.1	-	25		
6	SW	1320	89°	57'13"				4.7		-3.6'		6.4	-	27		WORKED BACK
7	SW	2640	89°	58'46"	.036			4.7	+ .9	-3.8'		6.2	○	28		
8	NE	2640	89°	54'58"	.146			8.0	-3.8	+4.1'	10.3		Δ			
9		0	✓							-5.0		5.3	-	30		
10	NE	1320	89°	55'35"				4.0		-2.3'		8.°	-	29		
11	SW	1320	90°	04'20"				4.7		-6.4'		3.9	-	31		
12	SW	2640	90°	03'39"	.106			4.7	-2.8	-7.5'		2.8	○	32		
13	NE	2475	90°	07'32"	.218			+4.0	+5.4	+9.4'	12.2		Δ	33A	Fourth pin flag part 33 (155)	
14	NE	1155	90°	04'53"				4.0		-5.7'		6.5	-	33		
15	SW	165	92°	24'34"				4.0		-10.9'		1.3	-	34		
16	SW	1485	90°	17'47"				4.0		-8.1'		4.1	-	35		
17	SW	2805	89°	19'52"	.294			4.0	+9.2	+3.6'		15.8	○	36		
18																
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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 2  
 LINE No.(s) 57 PARTY No. 195 DATE 12 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. MOXNESS RODMAN C. Maxwell WEATHER: mist 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															
3	NE	2640	89	54' 22"	163			+4.0	-4.3	-0.3'	4.2	4.5	Δ		
4	NE	1320 0	✓									0.0	-	14	
5	NE	1320	89	49' 25"				4.0		+0.1'		4.3	-	13	
6	SW	1320	89	44' 12"				4.7		-0.6'		3.6	-	15	
7	SW	2640	89	57' 22"	.250			-4.7	+6.6	+1.9'		6.1	0	16	
8	NE	2640	89	58' 40"	.039			+4.0	-1.0	+3.0'	9.1		Δ	17	
9		0	✓							-5.0		4.1	-	18	
10	NE	1320	90	02' 16"				4.0		-4.9'		4.2	-	17	
11	SW	1320	89	56' 04"				4.7		-3.2'		5.9	-	19	
12	SW	2640	89	58' 58"	.030			-4.7	+ .8	-3.9'		5.2	0	20	
13	NE	2640	90	01' 22"	.039			+4.0	+1.0	+5.0'	10.2		Δ	22	
14		0	✓							-5.0		5.2	-	22	
15	NE	1320	89	57' 19"				4.0		-3.0'		7.2	-	21	
16	SW	1320	90	00' 51"				4.7		-5.0'		5.2	-	23	
17	SW	2640	90	03' 27"	.100			-4.7	-2.6	-7.3'		2.9	0	24	T.P. (4.1)
18															
19															
20															

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### STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 5  
 LINE No.(s) 57 PARTY No. 195 DATE 12 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Moxness RODMAN C. Maxwell 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															
3	NE	2640	89° 57' 52"		.062				+4.0	-1.6	+2.4	18.1	5.7	Δ 50	
4		0	✓								-5.0		3.1	SD	
5	NE	1320	89° 57' 40"						4.0		-3.1		5.0	- 49	
6	SW	1320	89° 52' 54"						4.7		-2.0		<u>6.1</u>	- 51	
7	SW	2640	90° 00' 08"		.004				-4.7	-1.0	-4.8		3.3	⊙ 52	
8	NE	2640	90° 02' 02"		.059				+4.0	+1.6	+5.6	8.9		Δ	
9		0	✓								-5.0		3.9	54	
10	NE	1320	89° 59' 25"						4.0		-3.8		5.1	- 53	
11	SW	1320	90° 01' 20"						4.7		-5.2		3.7	- 55	
12	SW	2640	89° 58' 06"		.055				-4.7	+1.4	-3.2		5.7	⊙ 56	
13	NE	2640	89° 53' 24"		.191				+4.0	-5.05	-1.1	4.6		Δ 58	
14		<del>1320</del>	✓								-5.0		0.0	58	
15	NE	1320	89° 51' 43"						4.0		-0.8		3.8	- 57	
16	SW	1320	89° 58' 01"		.058				-4.7	+ .8	-3.9		0.7	⊕ 59	
17	SW	2640							4.7					⊙ 60	
18															
9209	N	9.2	89° 50' 17"		.282				+8.0	-2.6	+5.4	10.4		Δ (A. from SP 49)	
9020	S	9.0	89° 11' 47"		1.398				+8.0	+12.6	+4.6		15.0	⊙ Δ MAG	

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10.4 positive  
 -5.2  
 5.2  
 from SP 49

9209  
9020

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### STADIA SURVEY NOTES

AREA NPR F STATE or PROVINCE Alaska PAGE No. 6  
 LINE No.(s) 57 PARTY No. 195 DATE 13 Day 3 Mo. 25 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Moxness RODMAN C. MacNeil 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													0.7			
2																
3	NE	1320	90	02'22"	.069				4.7	+ .9	+5.6	6.3		Δ	60	
4		0	✓								-5.0		1.3		60	
5	SW	1320	89	59'32"					4.7		-4.5		1.8	-	61	
6	SW	2640	89	57'05"	.085				4.7	+2.2	-2.5		3.8	○	62	
7	NE	2640	89	57'57"	.059				4.0	-1.6	+2.4	6.2		Δ	63	
8		0	✓								-5.0		1.2	○	64	
9	NE	1320	89	59'59"					4.0		-4.0		2.2	-	63	
10	SW	1320	89	51'01"					4.7		-1.3		4.9	-	65	
11	SW	2640	89	53'52"	.178				4.7	+4.7	±0.0		6.2	○	66	
12	NE	2640	89	59'47"	.006				4.0	- .2	+3.8	10.0		Δ	65	
13		0	✓								-5.0		5.0		68	
14	NE	1320	90	00'12"					4.0		-4.1		5.9	-	67	
15	SW	1320	89	55'41"					4.7		-3.0		7.0	-	69	
16	SW	2640	89	51'14"	.254				4.7	+6.7	+2.0		12.0	○	70	
17	NE	495	90	29'31"	.926				4.0	+4.2	+8.2	20.2		Δ	2 <sup>nd</sup> for part 70 (495')	
18	NE	311	90	26'16"					4.0		-6.4		13.8	-	Intersection 47+57 (cont.)	
19	SW	825	90	19'45"					4.7		-9.4		10.8	-	71	A.S. 12.9
20	SW	2145	90	05'10"	.149				4.7	-3.2	-7.9		12.3	○	72	13.8

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### STADIA SURVEY NOTES

AREA NPR F STATE or PROVINCE Alaska PAGE No. 7  
 LINE No.(s) 57 PARTY No. 195 DATE Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Moyness RODMAN C. Maxwell 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											12.3				
2															
3	NE	1320	89	59'59"	.0005			+4.0	.0	+4.0	14.3	A	72		
4		0	✓							-5.0		11.3		73	
5	SW	1320	89	52'56"	.205			-4.7	+2.7	-2.0		14.3	○	74	
6	NE	1320	90	01'18"	.037			+4.0	+ .5	+4.5	18.8	A			
7		0	✓							-5.0		13.8		75	
8	SW	1320	89	57'23"	.076			-4.7	+1.0	-3.7		15.1	⊙	76	
9	NE	1320	90	00'15"	.007			+4.0	+ .1	+4.1	19.2	Δ			
10		0	✓							-5.0		14.2		77	
11	SW	1320	89	58'06"	.055			-4.7	+ .7	-4.0		15.2	○	78	
12	NE	2640	89	58'48"	.035			+4.0	.9	+3.1	18.3	Δ			
13		0	✓							-5.0		13.3		80	
14	NE	1320	90	01'29"				4.0		-4.6		13.7	-	80	
15	SW	1320	90	00'07"				3.7		-4.7		13.6	-	81	
16	SW	2640	89	51'50"	.237			-4.7	+6.2	+1.6		19.9	○	82	
17	NE	2640	89	54'43"	.008			+4.0	.2	+3.8	23.7	Δ			
18		0	✓							-5.0		18.7		84	
19															
20															

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### STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 8  
 LINE No.(s) 57 PARTY No. 195 DATE 12 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Moyness RODMAN C. Maxwell WEATHER: ice fog 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											23.7				
2															
3	NE	1320	90°	02'22"				4.0	-4.9'		18.8	-	83		
4	SW	1320	89°	46'55"	.379			<del>3.0</del>	+5.0	-3.0'	20.7	0	85		
5	NE	2640	89°	57'28"	.073			+4.0	-1.9	+2.1'	22.8	Δ	1		
6		0	✓					5.0			17.8		87		
7	NE	1320	90°	07'16"				4.0	-6.8'		16.0	-	86		
8	SW	1320	89°	56'29"				4.7	-3.3'		19.5	-	88		
9	SW	2640	89°	47'05"	.375			-4.7	+9.8	+5.2'	28.0	0	89		
10	NE	2640	89°	49'04"	.317			+4.0	-8.4	-4.4'	23.6	Δ	11		
11		0	✓								18.6		91		
12	NE	1320	90°	00'53"				4.0	-4.3'		19.3	-	90		
13	SW	1320	89°	00'59"				4.7	-18.0'		5.6	-	92	?	
14	SW	2640	89°	56'40"	.097			<del>70.0</del>	<del>70.0</del>	-7.4'	16.2	0	93		
15	NE	2640	89°	58'37"	.040			+4.0	-1.1	+2.9'	19.1	Δ			
16		0	✓					5.0			19.1		95		
17	NE	1320	90°	00'02"				4.0	-4.0'		15.1	-	94		
18	SW	1320	89°	47'23"				4.7	+0.1'		19.2	-	96		
19	SW	2640	89°	45'49"	.411			-4.7	+10.9	+6.2'	25.3	0	97		
20															

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**STADIA SURVEY NOTES**

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 9  
 LINE No.(s) 57 PARTY No. 195 DATE 14 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. MOXRNESS RODMAN C. Maxwell WEATHER: overcast, light snow, fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1											25.3			
2														
3	NE	1320	89°48'53"	.322			70.0	-4.3	+5.7'	31.0	Δ	98	BLANK USE (25.351)	
4		0							5°			98		
5	SW	1320	90°00'56"				4.7		-5.1'	25.9'	⊙	99	HS. Int. 98+126.	
6	SW	2640	89°57'47"	.064			4.7	+1.7	-3.0'	28.0	⊙	100	18.1'	
7	NE	1320	89°56'50"	.092			4.0	-1.2	+2.8'		Δ	101	19.7'	
8		0						5°				101	+ 1.2	
9	SW	1320	90°02'23"				4.7		-5.6'		-	102		
10	SW	2640	89°57'35"	.070			4.7	+1.8	-2.8'	22.0	⊙	103		
11	NE	2640	89°57'49"	.063			4.0	+1.7	+2.3'		Δ	104		
12		0						5.2				105		
13	NE	1320	89°55'22"				4.0		-2.2'		-	104		
14	SW	1320	90°04'50"				4.7		-6.6'		-	106		
15	SW	2640	90°01'01"	.029			4.7	- .8	-5.4'		⊙	107		
16														
17														
18														
19														
20														

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### STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 10  
 LINE No.(s) 57 PARTY No. 195 DATE Day 3 Mo. 25 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Moxness RODMAN C. Maxwell 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															
3	NE	1320	89°40'41"	.560				+8.0	-7.4	+0.6		Δ	108		
4		0						-2.2			10.5		108		
5	SW	1320	89°56'3"					4.7		-3.4			109		
6	SW	2640	89°54'46"	.152				4.7	4.0	-0.7		0	110		
7	NE	1485	90°09'05"	.263				+8.0	3.9	+11.9	45.3	Δ		First flag past 37111 (1165)	
8		0						5.2			40.1			(17.0) (Also Intersection 50/52)	
9	NE	165	90°39'34"					5.7		-7.6		#	111	Tie - (cover)	
10	SW	1155	90°07'13"					4.7		-7.3			112	0.5	
11	SW	2475	90°04'22"	.127				4.7	3.1	-7.8		0	113		
12	NE	1320	90°28'30"	.826				+4.0		+14.9	48.5	Δ	114		
13		0								-5.0			114		
14	SW	1320	90°20'30"					4.7		-12.6			115		
15	SW	2640	90°10'14"	.297				4.7	7.8	-12.6		0	116		
16	NE	2640	89°54'50"	.1498				+8.0	3.9	+4.0	40.0	Δ			
17	NE	1320	89°09'14"							-5.0			118		
18		0	89°40'55"										117		
19	NE	1320	90°09'14"					4.0		-7.5			117		
20	SW	1320	89°40'55"					4.7		+2.6			119		

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### STADIA SURVEY NOTES

AREA NIR #4 STATE or PROVINCE Alaska PAGE No. 11  
 LINE No.(s) 57 PARTY No. 195 DATE 14 Day 3 Mo. 25 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Monness RODMAN C. Maxwell WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												40.0				
2																
3	SW	2640	89°	49'37"	.301				-8.0	+7.9	-2.01	38.0	0	120		
4	NE	2640	89°	43'42"	.473				+8.0	12.5	-4.51	33.5	0	121		
5		0	✓								-5.0			122		
6	NE	1320	89°	44'52"					4.0		+1.81		-	121		
7	SW	1320	89°	24'55"					4.7		+8.81		-	123		
8	SW	2640	89°	35'53"	.699				13.0	+18.5	+5.51	39.0	0	124		
9	NE	2640	90°	25'20"	.155				+4.0	+4.1	+8.11	47.1	Δ	125		
10		0	✓								-5.0	11.0		126		
11	NE	1320	90°	02'28"					4.0		-4.91	11.1	-	125		
12	SW	1320	90°	14'04"					4.2	-5.41	-10.11	37.0	-	127	Elev. in Line 57 ties with this S.P.	
13	SW	2640	90°	01'41"	.648				-4.7	12.3	-6.01	41.1	0	128		
14	NE	2640	89°	43'53"	.467				+4.0	12.3	-8.41	32.7	Δ			
15		0	✓								-5.0			130		
16	NE	1320	89°	54'52"					4.0		-2.01		-	129		
17	SW	1320	89°	53'13"					4.7		-2.11		-	131		
18	SW	2640	89°	57'08"	.683				-4.7	+2.21	-2.51	30.2	0	132	T.P.	
19																
20																

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### STADIA SURVEY NOTES

AREA NP R 4 STATE or PROVINCE Alaska PAGE No. 12  
 LINE No.(s) 57 PARTY No. 195 DATE 14 Day 3 Mo. 25 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Monness RODMAN C. Maxwell 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												30.2				
2																
3	NE	1320	90°	11'53"	.345				+4.0	+4.5	+8.6	38.8	A			Topo El = 50'
4		0	✓								-5.0			132		
5	SW	1320	90°	17'07"					4.7		-11.3		-	134		
6	SW	2640	90°	02'20"	.067				4.7	-1.8	-6.5	32.3	0	135		
7	NE	2640	89°	59'47"	.006				+4.0	-2.2	+3.8	36.1	A			
8		0	✓								-5.0			137		
9	NE	1320	90°	00'24"					4.0		-4.2		-	136		
10	SW	1320	89°	57'32"					4.7		-3.8		-	138		
11	SW	2640	89°	57'35"	.070				4.7	+1.8	-2.8	33.3	0	139		
12	NE	3135	90°	15'58"	.463				+4.0	+14.5	+18.6	51.9	A			2 <sup>nd</sup> flk past 141 (495')
13	NE	1815	90°	31'04"					4.0		-20.4		-	140		
14	NE	495	91°	50'15"					4.0		-19.9		-	141		
15	SW	825	89°	43'18"					4.7		-0.7		-	142		
16	SW	2145	89°	52'36"	.2146				8.0	+4.6	-3.4	48.5	0	143		
17	NE	1815	89°	47'21"	.367				+4.0	-6.7	-2.7	35.8	A			2 <sup>nd</sup> flk past 144 (495')
18	NE	495	89°	52'10"					4.0		-2.9		-	144		
19	SW	825	90°	00'42"					4.7		-4.9		-	145		
20	SW	2145	90°	15'37"	.453				4.7	-9.7	-14.4	31.4	0	146		

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**STADIA SURVEY NOTES**

AREA 57 ALASKA - INPR #4 STATE or PROVINCE \_\_\_\_\_ PAGE No. 13  
 LINE No.(s) 57 PARTY No. 195 DATE 13 Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. MOYNESS RODMAN \_\_\_\_\_ WEATHER: ice fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1											31.4			
2														
3	NE	2805	90° 02' 02"	.059			4.0	+1.6	+5.7	37.1			1 <sup>st</sup> Flag past 148 (65')	
4	NE	1485	90° 16' 56"				4.0		-11.3		2.7		147	
5	NE	165	91° 06' 42"				4.0		-7.2				148	
6	SW	1155	89° 54' 19"				4.7		-2.8				149	
7	SW	2475	90° 01' 00"	.039			8.0	-1.0	-9.0		28.1		150	
8	NE	2640	89° 54' 01"	.173			8.0	-4.6	+3.4	31.5				
9		0	✓				5.2						152	
10	NE	1320	89° 52' 23"				4.0	+2.9	-1.1		30.4		151 (Intersects with L-52)	
11	SW	1320	89° 57' 48"				4.7		-3.9				153 Tie - 1.1	
12	SW	2640	89° 57' 21"	.077			4.7	+2.0	-2.7		28.8		154	
13	NE	2640	89° 54' 36"	.157			12.0	-4.1	+7.9	36.7				
14		0	✓				5.2						156	
15	NE	1320	90° 00' 29"				4.0		-4.2				155	
16	SW	1320	89° 58' 22"				4.7		-4.1				157	
17	SW	2640	89° 56' 57"	.098			4.7	+2.3	-2.4		34.3		158	
18														
19														
20														

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### STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 14  
 LINE No.(s) 57 PARTY No. 195 DATE Day 3 Mo. 25 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Moriczas RODMAN C. Marnell WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2															
3	NE	2640	90	00'36"	.017			+4.0	+5.1	+4.5	38.8	Δ			
4		0	✓					5.2					160		
5	NE	1320	89°	59'23"				4.0		-3.8		-	159		
6	SW	1320	89°	58'20"				4.7		-4.1	34.7	-	161	on lake - Topo el. = 39.0	
7	SW	2640	89°	57'49"	.063			4.7	+1.7	-3.0	35.8	⊙	162		
8	NE	2640	90	02'34"	.074			+4.0	+2.0	+6.0	44.8	Δ			
9		0	✓					-5.2					164		
10	NE	1320	89°	57'20"				4.0		-3.0		-	163		
11	SW	1320	89°	58'16"				4.7		-4.0		-	165		
12	SW	2640	89°	57'15"	.080			4.7	+2.1	-2.6	39.2	⊙	166	T.P.	
13															
14															
15															
16															
17															
18															
19															
20															

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### STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 15  
 LINE No.(s) 57 PARTY No. 195 DATE \_\_\_\_\_ Day 3 Mo. 25 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. MORRIS RODMAN C. MARSHALL WEATHER: -20, high winds 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	WE	2640	90	01 18	.0377			4.0	+1.0'	+5.0'	44.2		Δ		from 166	
4		0	✓						-5.0						168	
5	WE	1320	90	01 48				4.0		-4.7'				-	167	
6	EW	1320	89	58 55				4.7		-4.3'				-	169	
7	EW	2640	89	56 17"	.108			4.7	+2.8'	-1.8'		42.4	○		170	
8	WE	2640	90	05 40	.164			4.0	+4.3'	+8.4'	50.8		Δ		172	
9		0	✓							-5.0		12.7			172	
10	WE	1320	90	10 42				4.0		-8.1'				-	171	
11	EW	1320	89	57 41				4.7		-3.6'				-	173	
12	EW	2640						4.7						○	174	
13	EW	2145	89	54 19	.165			4.7	+3.5'	-1.2'		49.6	○		2nd flag (part 173 (1825'))	
14	WE	1815	90	13 18	.386			4.0	+7.0'	+11.0'	60.6		Δ		175	
15		0	✓							-5.0				-	175	
16	WE	1320	90	23 41				4.0		-16.9'				-	174	
17	EW	1320	90	22 49				4.7		-13.4'				-	176	
18	EW	2640	90	09 08	.265			4.7	+7.0'	-11.7'		48.9	○		177	
19																
20																

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### STADIA SURVEY NOTES

AREA NR #4 STATE or PROVINCE ALASKA PAGE No. 16  
 LINE No.(s) 57 PARTY No. 195 DATE \_\_\_\_\_ Day 3 Mo. 75 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Maxness RODMAN C. Maxwell 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															
3	E	2145	90	15.25	.947			4.0	+9.61	+13.16	62.5	A	2 <sup>nd</sup> flg	post 178 (covered)	
4	E	825	90	32.35				4.0	-7.81	-11.81		-	178	AS. 42 <sup>nd</sup> intersects L.S. 1	
5	W	495	91	01.45				4.7		-13.46		-	179	see page 16 lines 57	
6	W	1815	90	16'04"	.466			-4.7	-8.5	-13.21		0	180	Top of	
7	W	2640	89	57.52	.062			+4.0	7.6	+2.41		A		Ret. Line 5A	
8		0	✓					5.2					182	19.6' L.H.	
9	E	1320	89	59.14				4.0		-3.71		-	181		
10	W	1320	89	56.45				4.7		-3.51		-	183		
11	W	2640	89	44.41	.444			-4.7	+11.7	+7.11		0	184		
12	E	2640	89	54.17	.865			+4.0	-4.4	-0.41		A	185		
13		0	✓					5.2					186		
14	E	1320	89	47.59				4.0		+0.61		-	185		
15	W	1320	90	31.59				4.7		-17.01		-	187		
16	W	2640	90	09.39	.2793			-4.7	-7.4	-12.11	46.7	0	188	(E.O.L.)	
17															
18															
19															
20															

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