

STADIA SURVEY NOTES

AREA N.P.R. 4 STATE or PROVINCE ALASKA PAGE No. 1
 LINE No.(s) 125 PARTY No. 182 DATE 14 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN G. Myers WEATHER: Hazy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2	East	396.0		90°01'02"		C			6.0	+7.2	+6.8			51° - 1	
3	✓	✓		267°59'43"		E			6.0	16.3		10.4	Δ		
4		240.0		90°02'15"		C			4.0		-5.7		4.7	2	
5		122.0		90°06'10"		C			4.0		-6.4		4.0	3	
6		0		-		-			5.0		-5.0		5.4	4	
7	South	470.0		90°00'00"		C			6.3		-6.3		4.1		(ON ICE) low possible Ice Shovel
8		132.0		90°05'09"		C			4.0		-6.0		4.4	5	
9	West	269.0		269°59'11"		C	C.S.		4.0				4.7	6	
10	West	396.0		269°59'11"		C			4.0	-5.6	-5.3		4.7	7	
11	✓	✓		269°59'11"		C			4.0	-4.9			5.1		
12															
13	East	132.0		90°09'22"		C			4.0	+7.0	+7.6				
14	✓	✓		267°50'44"		C			4.0	17.0		12.7	Δ		
15		0		-		-			5.0		-5.0		7.7	8	
16		321		89°25'32"		C			1.1		+2.1				TRI. A SEA HOR. #
17	West	132.0		90°10'10"		C			4.0	-7.9	-7.8		4.8	9	
18	✓	✓		269°50'31"		C			4.0	-7.6			4.9		
19															
20															

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE OR PROVINCE ALASKA PAGE No. 3
 LINE No.(s) 125 PARTY No. 182 DATE 15 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN R. Myers 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	East	1320		89-58-55		C		4.0	+3.6	+3.6	} 4.9	5.4		17	SP-1	
3	✓	✓		270-01-05		C		4.0	+3.6			} 9.0		Δ		
4		0		-		-		5.0		-5.0			4.0		18	SP-1
5	West	1320		89-56-38		C		4.0	-2.7	-2.7	} 2.2	0		19	169-51-23	
6	✓	✓		270-02-37		C		4.0	-2.6			} 6.3	0			SP-22
7																
8	East	3960		89-56-54		C		10.0	+6.4	+6.5	} 12.8					
9	✓	✓		270-03-01		C		10.0	+6.5			} 12.8		Δ		
10		2640		90-02-36		C		4.0		-6.0			6.8		20	
11		1320		90-02-18		C		4.0		-4.9		7.9		21		
12		0		-		-		4.6		-4.6		8.2		22	SP-18	
13		1320		90-11-45		C		4.0		-8.5		4.3		23	197-51-00	
14		2640		90-02-08		C		4.0		-9.5		3.3		24	SP-31	
15	West	3960		90-05-00		C		4.0	-9.8	-9.7	} 3.1	0		25		
16	✓	✓		269-55-02		C		4.0	-9.7			} 3.1	0			
17																
18	East	1320		90-12-05		C		4.0	+11.3	+11.3	} 14.9					
19	✓	✓		269-01-00		C		4.0	+11.3			} 14.9		Δ		
20		0		-		-		5.0		-5.0			9.4		26	

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STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE ALASKA PAGE No. 2
 LINE No.(s) 125 PARTY No. 182 DATE 19 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN G. Myers 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	East	2640		90°00'00		C		5.5	+5.5	+5.3	} 10.2	4.9	Δ			↑	
3	✓	✓		269°58'36		C		4.0	+5.1				4.0	Δ			
4		1320		90°05'37		C		4.0		-6.2			4.0		10		
5		0		—		—		5.0		-5.0		5.2		11			
6		1320		90°04'37		C		4.0		-5.8		4.4		12			
7	West	2640		90°02'38		C		4.0	-6.0	-5.8	} 4.5	4.5	⊙	13			
8	✓	✓		269°57'56		C		4.0	-5.6				4.4	⊙			
9																	
10	East	2640		90°03'26		C		4.0	+6.6	+6.8	} 11.2		Δ				
11	✓	✓		267°56'03		C		4.0	+7.0					Δ			
12		1320		90°04'54		C		4.0		-5.9			5.3		14		
13		0		—		—		5.0		-5.0		6.2		15			
14		1320		90°04'08		C		4.0		-5.6		5.6		16			
15	West	2640		90°01'28		C		4.0	-5.9	-5.8	} 4.5	4.5	⊙	17			
16	✓	✓		269°57'50		C		4.0	-5.7				5.4	⊙			
17																	
18																	
19																	
20																	

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STADIA SURVEY NOTES

AREA N.A.R. 4 STATE or PROVINCE ALASKA PAGE No. 4
 LINE No.(s) 125 PARTY No. 182 DATE 15 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. YOUNG RODMAN G. Myers WEATHER: Windy drifting snow 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	West	360	90-00-00	C				9.0		-4.0	10.5 14.4					Reference Marker No. 2
3	West	1320	90-03-51	C				4.0	-5.5	-5.9		4.7	0	27		to Olive
4	✓	✓	269-56-30	C				4.0	-5.3			9.0	0			
5																
6	East	2140	89-55-05	C				10.0	+6.2	+6.6	14.5					
7	✓	✓	270-03-55	C				10.0	+7.0		15.6					
8	28	1320	90-01-00	C				4.0		-4.4		11.2		28		
9		0						5.0		-5.0		10.6		29		
10		1320	90-06-35	C				4.0		-6.5		9.1		30		SP-31 → SP-48
11	West	2640	90-01-27	C				10.0	-11.1	-10.9		4.7	0	31		167-14-46
12	✓	✓	269-59-03	C				10.0	-10.7			4.7	0			
13																
14	East	2960	89-56-14	C				10.0	+5.7	+6.2	16.8					
15	✓	✓	270-02-48	C				10.0	+6.8		10.9					
16		2640	90-03-18	C				4.0		-5.8		5.1		32		
17		1320	90-05-12	C				4.0		-6.0		4.9		33		
18		0						5.0		-5.0		5.9		34		
19		1320	90-06-24	C				4.0		-6.6		4.3		35		
20		2640	90-07-48	C				4.0		-6.2		4.7		36		

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STADIA SURVEY NOTES

AREA N.P.R-4 STATE OR PROVINCE ALASKA PAGE No. 5
 LINE No.(s) 125 PARTY No. 182 DATE 15 Day 8 Mo. 76 Yr. BOOK No. _____
 SURVEYOR 12 Young RODMAN G. Myers WEATHER: Windy drifting snow 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	West	3960		90°01'42		C			4.0	-6.0	-6.0	6.0 10.9	6.5 4.9	0	37	
3	✓	✓		269°58'15		C			4.0	-6.0				0		
4																
5	East	1320		90°06'20		C			4.0	+6.9	+6.5	7.5		Δ		
6	✓	✓		269°53'24		C			4.0	+6.5		11.4		Δ		
7		0		-		-			5.0		-5.0		6.4		38	Marker pipe
8	S. W	920		90°07'47		C			1.0		-3.1				39	TRI STA. LUMP
9	West	1320		90°04'31		C			4.0	-5.7	-5.7		7.6	0		
10	✓	✓		269°55'29	269°35'24	-C			4.0	-5.8			5.7	0		
11																
12	East	3960		89°55'35		C			10.0	+4.9	+4.7	6.3		Δ		
13	✓	✓		270°04'43					10.0	+4.6		10.4		Δ		
14		2640		90°01'02		C			4.0		-4.0		5.6		40	
15		1320		90°03'23		C			4.0		-5.3		5.1		41	
16		0		-		-			5.0		-5.0		5.4		42	
17		1320		90°09'22		C			4.0		-5.7		9.7		43	
18		2640		90°01'38		C			4.0		-5.3		5.1		44	
19	West	3860		89°57'26		C			10.0	-7.0	-7.0		3.4	0	45	
20	✓	✓		270°02'40		C			10.0	-6.9			3.4	0		

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STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE ALASKA PAGE No. 6
 LINE No.(s) 125 PARTY No. 1B2 DATE 15 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN E. Myers WEATHER: Windy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.		
1														
2	East	3960		87-57-54		C		10.0	+7.6	+7.3				
3	✓	✓		320-02-32		C		10.0	+7.1		6.6		Δ	
4		2640		90-04-05		C		4.0		-7.1		3.6	46	
5		1320		90-05-08		C		4.0		-6.0		4.7	47	51-31 → 52-62
6		0		—		—		5.0		-5.0		5.7	48	175-48-2A
7		1320		90-07-47		C		4.0		-7.0		3.7	49	
8		2640		90-01-29		C		4.0		-5.1		5.6	50	
9	West	3960		87-57-14		C		10.0	-6.8	-6.5			51	
10	✓	✓		270-03-17		C		10.0	-6.2			4.2	0	
11														
12	East	2640		89-55-54		C		10.0	+6.9	+6.5				
13	✓	✓		270-05-05		C		10.0	+6.1		6.6		Δ	
14		1320		90-05-07		C		4.0		-6.0		4.7	52	
15		0		—		—		5.0		-5.0		5.7	53	
16		1320		90-01-17		C		4.0		-6.8		3.9	54	
17	West	2640		90-03-03		C		4.0	-6.3	-6.3			55	
18	✓	✓		269-57-03		C		4.0	-6.2			4.4	0	
19														
20														

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STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE ALASKA PAGE No. 7
 LINE No.(s) 125 PARTY No. 182 DATE 15 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN G. Myers 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	Correction	Center Hair			INST.	ROD			
1												4.9				
2	East	2640		89-53-50				10.0	+5.3	+5.1	} 9.5					
3	✓	✓		270-06-43				10.0	+4.8							
4		1320		89-51-44				5.0		-7.6		1.9		36		
5		0						5.0		-5.0		4.5		57		
6		1320		90-07-49				4.0		-5.5		4.0		58		
7	West	2640		89-48-12				4.0	+5.1	+5.1	} 14.6	10.5		59		
8	✓	✓		271-12-01				4.0	+5.2							
9																
10	East	3960		90-02-36				4.0	+7.0	+6.7	} 21.3					
11	✓	✓		263-57-55				4.0	+6.0							
12		2640		90-04-37				4.0		-7.5		13.8		60		
13		1320		90-12-17				4.0		-8.7		12.6		61	SP-AR → SP-62	
14		0						6.0		-5.0		16.3		62	171-01-05	
15		1320		90-04-30				4.0		-5.7		15.6		62		
16		2640		90-04-30 89-57-45				4.0		-3.8		17.5		64		
17	West	3960		89-49-45 89-53-49				10.0	-2.9	-2.8	} 18.5			65		
18	✓	✓		270-06-15				10.0	-2.8							
19	North	770		90-32-53				14.0	-21.4	-21.3	} 0.0					ON OCEAN ICE.
20	North	✓		269-27-32				14.0	-21.3							

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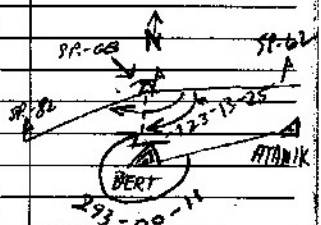
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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE ALASKA PAGE No. 8
 LINE No.(s) 125 PARTY No. 182 DATE 16 Day 7 Mo. 74 Yr. BOOK No. _____
 SURVEYOR D. YOUNG RODMAN B. Myers WEATHER: CL. P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2	East	3960		90°02-04		C		10.0	+10.1	+9.8	} 28.3	18.5	65		
3	V	V		270-00-23		C		10.0	+9.6						
4		2640		90°07-21		C		4.0		-9.6			18.7	66	
5		1320		90°07-20		C		4.0		-7.6		20.7	67		
6		0		-		-		5.0		-5.0		23.3	68	178-10-37	
7		1030		89-20-12		C		4.0		+7.9				123-13-25 Tri Sta. BERT	
8		1320		87-51-25		C		4.0		-2.6		25.7	69	293-00-11	
9		2640		89-53-12		C		4.0		+1.2		29.5	70		
10	West	3960		89-47-32		C		10.0	+4.8	+4.4	} 45.0	32.7	71		
11	V	V		270-12-30		C		10.0	+4.4						
12															
13	East	3960		90°02-13		C		10.0	+12.6	+12.3					
14	V	V		259-58-13		C		10.0	+12.1						
15		2640		90°09-00		C		4.0		-10.9		34.1	72		
16		1320		90-10-27		C		4.0		-8.0		27.0	73		
17		0		-		-		5.0		-5.0		40.0	74		
18		1320		90-00-14		C		4.0		-4.1		40.9	75		
19		2640		89-58-43		C		4.0		-3.0		42.0	76		
20	West	3960		89-54-10		C		10.0	-3.3	-3.1	} 41.9				
TI-588B	V	V		270-06-14		C		10.0	-2.8						



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STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE ALASKA PAGE No. 9
 LINE No.(s) 125 PARTY No. 182 DATE 16 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. YOUNG RODMAN G. MYERS WEATHER: CL 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	East	2640		90°02.05		C			4.0	+5.6	+5.2	47.1	41.9				
3	✓	✓		269°56.58		C			4.0	+4.8							
4		1320		90°05.08		C			4.0		-6.0			41.1		78	
5		0		-		-			5.0		-5.0		42.1		79		
6		1320		90°01.51		C			4.0		-4.7		42.4		80		
7		2640		constant		slope		C.S.					42.8		81		
8	West	2960		90°00.06		C			4.0	-4.1	-3.8	42.3					
9	✓	✓		270°00.30		C			4.0	-3.4							
10																	
11	East	2640		89°58.33		C			6.0	+0.3	+0.2	43.5					
12	✓	✓		270°07.40		C			6.0	+0.1							
13		1320		89°58.20		C			4.0		-3.4			40.1		83	
14		0		-		-			5.0		-5.0		38.5		84	04-18-00	
15		1320		90°08.41		C			4.0		-7.3		36.2		85	to Tri. Sta.	
16	West	2640		89°59.22		C			4.0	-3.5	-3.4	40.1					
17	✓	✓		270°00.52		C			4.0	-3.3							
18		2080		89°57.42		C			2.0		+1.8			45.3			Tri. Sta.
19																	
20																	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE Alaska PAGE No. 10
 LINE No.(s) 125 PARTY No. 1R2 DATE 16 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. YOUNG RODMAN E. MYERS WEATHER: CL 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	East	3960		70-05-56		C			10.0	+16.8	+16.0	56.1	40.1	Δ		
3	✓	✓		267-55-26		C			10.0	+15.3				Δ		
4		2690		70-12-38		C			4.0		-11.4		44.7		87	
5		1320		90-17-44		C			4.0		-10.8		45.3		88	
6		0		—		—			5.0		-5.0		51.1		89	
7		1320		90-11-21		C			4.0		-8.2		49.8		90	
8		2680				C.S.							44.3		91	
9	West	3960		90-11-42		C			4.0	-17.5	-17.2		38.9	○	92	
10	✓	✓		296-48-48		C			4.0	-16.7				○		
11																
12	East	2145		89-59-09		C			10.0	+9.5	+9.2	48.1		Δ		
13	✓	✓		220-01-39		C			10.0	+9.0				Δ		
14		825		90-15-37		C		4.0	10.0		-7.7		40.4		93	
15		0		—		—			5.0		-5.0		43.1			
16		495		71-14-00		C			4.0		-14.7		33.4		94	
17		1815		70-19-32		C			4.0		-14.3		33.8		95	
18	West	3125		89-51-17		C			10.0	-2.1	-1.8		46.3	○	96	
19	✓	✓		270-09-14		C			10.0	-3.6				○		
20																

TI-568B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA N. P. R-4 STATE or PROVINCE ALASKA PAGE No. 11
 LINE No.(s) 125 PARTY No. 182 DATE 16 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN G. Myers WEATHER: ck. 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											46.3	96		
2	East	2314		90-11-30		c		10.0	+17.8	+17.7	64.0	Δ		
3	✓	✓		269-48-52		c		10.0	+17.5			Δ		
4		994		90-00-27		c		4.0		-4.1	59.9	97		
5		0		-		-				-4.2	60.8	Δ	Tri Sta. Ray	
6		326		90-33-02		c		4.0		-7.1	56.9	98		
7		1646		90-18-42		c		10.0		-19.0	45.0	99		
8	West	2966		89-58-23		c		10.0	-8.6	-8.6	55.4	⊙	100	
9	✓	✓		270-01-43		c		10.0	-9.5			⊙		
10														
11	East	3960		89-56-26		c		10.0	+5.9	+5.5	60.9	Δ		
12	✓	✓		270-04-17		c		10.0	+5.1			Δ		
13		2680		90-04-13		c		4.0		-7.2	53.7	101		
14		1320		90-08-21		c		4.0		-7.2	53.7	102		
15		0		-		✓		5.0		-5.0	55.9	103		
16		1320		70-11-52		c		4.0		-8.6	52.3	104		
17		2640		90-04-34		c		10.0		-13.8	47.1	105		
18	West	3960		90-06-05		c		10.0	-17.0	-16.7	44.2	⊙	106	
19	✓	✓		269-54-36		c		10.0	-16.4			⊙		
20														

TI-5888

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2nd _____

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 12
 LINE No.(s) 125 PARTY No. 182 DATE 17 Day 3 Mo. 76 Yr. BOOK No.
 SURVEYOR D. YOUNG RODMAN F. WEATHER: CL. 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	East	1320		90-07-26		C			6.5	+9.4	+9.2	53.4	44.2		106		
3	✓	✓		269-57-07		C			6.5	+9.1							
4		0		—		—			5.0		-5.0			48.4		107	
5		1320		90-10-52		C			4.0		-8.2		45.2		108		
6	West	2640		90-02-27		C			4.0	-5.9	-5.7	47.7			109		
7	✓	✓		269-58-01		C			4.0	-5.5							
8																	
9	East	2640		89-57-07		C			4.0	+1.8	+1.6	49.3					
10	✓	✓		270-03-15		C			4.0	+1.5							
11		1720		89-57-27		C			4.0		-3.0			46.3		110	
12		0		—		—			5.0		-5.0		44.3		111		
13	West	1320		90-03-43		C			4.0	-5.4	-5.3	44.0			112		
14	✓	✓		269-56-49		C			4.0	-5.2							
15																	
16	East	1485		70-02-02		C			4.0	+4.9	+4.8	48.8					
17	✓	✓		269-58-20		C			4.0	+4.7							
18		165		90-18-52		C			4.0		-4.9			43.9		113	
19		0		—		—			5.0		-5.0		43.8				
20	West	1155		90-03-40		C			4.0	-5.2	-5.0	43.8					
									4.0	-4.8							

TI-500B

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2nd

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 13
 LINE No.(s) 125 PARTY No. 182 DATE 17 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. YOUNG RODMAN F WEATHER: CL. Windy 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	East	3695		90-02-18		C		4.0	+6.6	+6.5	} 50.3	43.8					
3	✓	✓		269-58-00		O		4.0	+6.3					Δ			
4		2375		90-00-29		C		4.0		-10.0			40.3		115		
5		1055		90-06-39		C		4.0		-6.0		44.3		116		44.7 (Party 186)	
6		0		-		-		5.0		-5.0		45.3					
7	South	312		90-36-00		C		4.0		-7.3		43.0				Marker	
8		265		90-75-00		C		4.0		-6.0		44.3				125-25-126	
9	West	1585		90-06-00		C		10.0	-12.8	-12.7	} 37.6			117		44.7	
10	✓	✓		269-58-05		C		10.0	-12.7						118		Pipe installed
11																	
12	East	2805		89-58-40		C		6.0	+4.9	+4.6	} 42.2						
13	✓	✓		270-02-00		O		6.0	+4.9								
14		1805		91-22-48		C		4.0		-39.6		2.6		119		LAKE	
15		165		92-05-17		C	4.0	5.0		-11.9		30.3		120			
16	West	0		-		-		5.0		-5.0							
17	West	1200		89-10-34		C		5.0	+11.0	+11.1	} 53.3						
18	✓	1115		270-50-01		O		5.0	+11.2								A TR. STA. (MARUK)
19																	
20																	

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WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE ALASKA PAGE No. 14
 LINE No.(s) 125 PARTY No. 182 DATE 17 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. Young RODMAN F WEATHER: windy & cool 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	East	3175		89-59-30		C		5.0	+4.5	+4.4	57.7				
3	V	V		70-00-00		C		5.0	+4.3						
4		3135		90-03-10		C		2.0		-7.0		50.7		121	
5		1815		90-23-12		C		4.0		-16.2		41.5		122	
6		495		71-08-06		C		4.0		-13.8		43.9		123	
7		0		-		-		5.0		-5.0					
8		825		90-06-57		C		4.0		-5.7		52.0		124	
9	West	2195		70-40-45		C		4.0	-10.7	-10.7		47.0		125	
10	V	V		269-49-25		C		4.0	-10.6						
11															
12	East	1320		90-06-56		C		6.0	+8.7	+8.6	55.6				
13	V	V		269-53-22		C		6.0	+8.5						
14		0		-		-		5.0		-5.0		50.6		126	
15	West	1320		90-07-57		C		4.0	-6.9	-6.8		48.8		127	
16	V	V		269-32-56		C		4.0	-6.7						
17															
18															
19															
20															

TI-508B

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STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE ALASKA PAGE No. 15
 LINE No.(s) 125 PARTY No. 18 DATE 17 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. YOUNG RODMAN _____ WEATHER: CL 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												48.8				
2	Fast	2258		90-17-15		C			4.0	+15.3	+15.3	69.1				
3	✓	✓		269-42-46		C			4.0	+15.3						
4		930		90-36-25		C			4.0		-13.9		50.2		128	
5		0		-		-			3.9		-3.9		60.2			TRI. ANHWST. 173-24-54
6		382		90-31-15		C			4.0		-7.5		56.6		129	
7	West	1702		89-58-54		C			4.0	-3.5	-3.3	60.8			130	
8	✓	✓		270-01-42		C			4.0	-3.2						
9																
10	Fast	2225		90-01-45		C			4.0	+5.1	+5.1	65.9				
11	✓	✓		269-58-03		C			4.0	+5.0						
12		905		90-13-20		C			4.0		-7.5		58.4		131	
13		0		-		-			5.0		-5.0					180-02-96
14		415		91-11-22		C			4.0		-12.9		53.0		132	
15		1725		90-22-22		C			4.0		-18.8		47.1		133	
16	West	3085		90-11-00		C			4.0	-13.8	-13.7	52.2			134	
17	✓	✓		269-49-13		C			4.0	-13.6						
18																
19																
20																

TI-588B

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STADIA SURVEY NOTES

AREA N. P. R. 4 STATE or PROVINCE ALASKA PAGE No. 16
 LINE No.(s) 125 PARTY No. 182 DATE 18 Day 3 Mo. 26 Yr. 1955 BOOK No.
 SURVEYOR D. YOUNG RODMAN F. WEATHER: Clearing 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												52.2					
2	East	3960		89-53-20		C		4.0	-3.7	-4.0	} 48.2						
3	✓	✓		270-07-70		C		4.0	-4.3								
4		2640		90-13-54		C		4.0		-10.7			37.5		125		
5		1320		90-22-21		C		4.0		-12.0		35.6		136			
6		0		—		—		5.0		-5.0		43.2		137		171-24-14	
7		1320		90-23-06		C		4.0		-12.9		5.3		138			
8		2640		90-07-38		C		4.0		-9.8		38.4		139			
9	West	3960		89-59-38		C		4.0	-3.4	-3.4	} 44.8						
10	✓	✓		270-00-43		C		4.0	-3.2								
11																	
12	East	3960		90-01-38		C		4.0	+0.2	+7.5	} 52.3						
13	✓	✓		90-01-00 269-57-30		C		4.0	+6.7								
14		2640		90-04-00		C		4.0		-7.1		45.2		141			
15		1320		90-04-36		C		4.0		-5.7		46.6		142			
16		0		—		—		5.0		-5.0		47.3		143		180-00-05	
17		1320		90-12-00		C		4.0		-8.6		43.7		144			
18	West	2640		90-10-12		C		10.0	-17.8	-17.6	} 34.7						
19	✓	✓		267-50-26		C		10.0	-17.3								
20																	

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STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE ALASKA PAGE No. 17
 LINE No.(s) 925 PARTY No. 182 DATE 18 Day 3 Mo. 26 Yr. BOOK No. _____
 SURVEYOR P. Young RODMAN F. WEATHER: CL. 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	East	2140		89-49-02		C			4.0	-4.4	-4.7	30.0		Δ		
3	✓	✓		89-42-00		36	C		4.0	-4.9				Δ		
4		1320		90-12-00		C			4.0		-8.6		21.4		146	
5		0		-		-			5.0		-5.0		25.0		147	(191-45-22) 147
6		1320		89-57-49		C			4.0		-3.2		26.8		148	11-45-20
7	West	1815		89-49-48		C			6.0	-0.6	-0.5		29.5		○	(180-02-35)
8		✓		270-10-37		C			4.0	0.4					○	(20-02-33)
9																
10	East	2145		89-43-00		C			6.0	-4.6	-4.8	29.7		Δ		
11	✓	✓		270-17-37		C			6.0	-5.0				Δ		
12		1320		89-48-40		C			4.0		+0.4		25.1		149	
13		0		-		-			5.0		-5.0		19.7		150	
14		1320		90-43-31		C			6.0		-20.7		4.0		151	
15	West	2640		90-22-40		C			4.0	-21.4	-21.3		3.4		○	152
16	✓	✓		269-37-32		C			4.0	-21.3					○	
17																
18	West	825		90-17-22		C			4.0	+8.2	+8.1	11.5		Δ		
19	✓	✓		269-43-11		C			4.0	18.0				Δ		
20	○	○		-		-			5.0		-5.0					152 + 825

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2nd _____

STADIA SURVEY NOTES

AREA N.P.R-4 STATE or PROVINCE ALASKA PAGE No. 18
 LINE No.(s) 125 PARTY No. 132 DATE 15 Day 7 Mo. 26 Yr. BOOK No. _____
 SURVEYOR D. YOUNG RODMAN E. WEATHER: CL 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												11.5				
2		495		90°10'26		C			4.0	-5.5			6.0		153	
3	West	1815		89°59'09		C			4.0	-3.6	-3.4		8.1	⊙	154	
4	✓	✓		270°01'28		C			4.0	-3.2				⊙		
5																
6	East	2640		90°03'13		C			4.0	+6.5	+6.2		14.3	Δ		
7	✓	✓		269°57'29		C			4.0	+5.9				Δ		
8		1120		90°05'20		C			4.0		-6.0		8.3		155	10 Mile
9		0		—		✓			5.0		-5.0		9.3		156	Marker Pipe
10		1220		90°02'49		C			4.0		-5.1		9.2		157	
11	West	2640		90°01'32		C			4.0	-5.2	-4.9		9.4	⊙	158	
12	✓	✓		269°59'12		C			4.0	-4.6				⊙		
13																
14	N.E	2640		90°00'26		C			4.0	+4.3	+4.1		13.5	Δ		
15	✓	✓		270°00'12		C			4.0	+3.8				Δ		
16		1120		90°04'09		C			4.0		-5.6		8.7		159	
17		0		—		✓			5.0		-5.0		8.5		160	
18		1120		90°06'33		C			4.0		-6.5		7.0		161	
19	S.W.	2640		90°03'28		C			4.0	-6.7	-6.6		6.9	⊙	162	
20	✓	✓		269°56'44		C			4.0	-6.5				⊙		

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE ALASKA PAGE No. 19
 LINE No.(s) 125 PARTY No. 182 DATE 18 Day 3 Mo. 22 Yr. BOOK No. _____
 SURVEYOR D. YOUNG RODMAN F. WEATHER: CL. P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2	N.E.	1320		89-55-08		C		4.0	+2.1	+2.0		8.9	6.9	162	
3	✓	✓		270-05-28		C		4.0	+1.9						Δ
4		0		-		-		5.0		-5.0			3.9	163	
5	SW.	1320		90-07-15		C		4.0	-6.8	-6.7			2.2	164	○
6	✓	✓		269-57-16		C		4.0	-6.6						○
7															
8	N.E.	2640		89-56-42		C		10.0	+7.5	+7.4		9.6			Δ
9	✓	✓		270-03-71		C		10.0	+7.3						Δ
10		1320		90-05-41		C		4.0		-6.2			3.4	165	
11		0		-		-		5.0		-5.0			4.6	166	
12		1320		90-06-50		C		4.0		-6.6			3.0	167	
13	S.W.	2640		89-58-44		C		4.0	-3.0	-3.0			6.6	168	○
14	✓	✓		270-01-27		C		4.0	-2.9						○
15															
16	N.E.	2640		89-58-40		C		10.0	+9.1	+9.0		15.0			Δ
17		✓		270-01-32		C		10.0	+8.8						Δ
18		1320		90-04-25		C		4.0		-5.7			9.9	169	
19		0		-		-		5.0		-5.0			10.6	170	
20		1320		90-01-16		C		4.0		-4.5			11.1	171	
TI-588B	S.W.	2640		90-00-56		C		4.0	-4.7	-4.6			11.0	172	○
WORKED BY	✓	✓		269-59-24		C		4.0	-4.3						○2nd

CHECKED BY 1st _____

STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE ALASKA PAGE No. 1
 LINE No.(s) 125 & 127 PARTY No. 1182 DATE 23 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1																
2		<u>TIE LINES</u>			<u>125</u>		<u>127</u>									<u>VERTICALLY</u>
3												<u>6.7</u>		<u>160</u>		
4	<u>N</u>	<u>1000</u>	<u>✓</u>					<u>5.3</u>		<u>+5.3</u>	<u>12.0</u>		<u>Δ</u>			<u>L-125 SP 160+1000</u>
5													<u>Δ</u>			<u>L-127 SP 1+585</u>
6		<u>0</u>													<u>INT</u>	<u>MARKER RODS</u>
7	<u>W</u>	<u>585</u>	<u>✓</u>					<u>11.5</u>		<u>-11.5</u>		<u>+0.5</u>	<u>-</u>	<u>1</u>		<u>127</u>
8	<u>E</u>	<u>735</u>	<u>✓</u>					<u>10.5</u>		<u>-10.5</u>		<u>+1.5</u>	<u>-</u>	<u>2</u>		
9	<u>S</u>	<u>320</u>	<u>✓</u>					<u>5.9</u>		<u>-5.9</u>		<u>+6.1</u>	<u>-</u>	<u>161</u>		
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA. PAGE No. 20
 LINE No.(s) 125 PARTY No. 182 DATE 18 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR D. YOUNG RODMAN F. WEATHER: CL. 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	NE	2640		90°43'		C		40.0	+11.5	+12.1	24.1	11.0				
3	✓	✓		269°56.2'		C		10.0	+12.8							
4		132°		90°19.39'		C		4.0		-11.5		12.6		173		
5		0		—		—		5.0		-5.0		19.1		174		
6		132°		89°47.12'		C		4.0		+0.9		25.0		175		
7	SW	1207		89°33.52'		C		52.4	+9.1	+9.2		33.3	⊙		Δ Tri Sta. ENYUK	
8	✓	✓		270°26.34'		C		5.0	+9.9				⊙			
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) 125 PARTY No. 1182 DATE 19 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helanden 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			TAKE ONE TRI			STA							332		A ENYUK	
2																SP 175+589
3	N	2546	✓						10.2	+10.2	+10.2	43.2		Δ		
4	N	2546	90°	08' 10"					4.0	+10.2				Δ ₁		
5	"	1815	90°	25' 20"					10.0		-23.4	19.8		-	176	
6	"	495	✓						11.6		-11.6	31.6		-	177	
7		0												+	495	π
8	S	825	89°	41' 50"					5.0		-0.7	42.5		-	178	
9	"	2145	89°	46' 44"					14.0	-5.8	-5.6	37.6		0	179	
10	"	2145	270°	14' 05"					14.0	-5.3				0 ₁		
11	N	2640	89°	33' 36"					6.0	-14.1	-14.5	23.1		Δ		
12	"	2640	270°	27' 20"					6.0	-14.8				Δ ₁		
13	"	1320	89°	46' 00"					5.0		+0.3	23.4		-	180	
14		0						HI	5.2		-5.2	17.9			181	π
15	S	1320	89°	31' 30"					10.0	+0.9	+1.1	24.2		0	182	
16	"	1320	270°	29' 33"					10.0	+1.3				0 ₁		
17	N	1320	✓						7.5	+7.5	+7.5	31.7		Δ		
18	"	1320	89°	53' 30"					10.0	+7.5				Δ ₁		
19		0						HI	5.2		-5.2	26.5			183	π
20	S	1320	89°	54' 55"					4.0		-2.1	29.6		-	184	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 22
 LINE No.(s) 125 PARTY No. 1182 DATE 20 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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												31.7				
2															185	
3	S	2640	89°	51'10"				5.0	+1.6	+2.1		33.8	0			
4	"	2640	270°	10'00"				5.0	+2.6				0			
5	N	2640	90°	07'30"				11.0	+16.9	+16.7	50.5		Δ			
6	"	2640	269°	52'08"				11.0	+16.4				Δ			
7	"	1320	90°	27'00"				4.0		-14.4		36.1	-	186		
8		0						HI 5.2		-5.2		45.3		187	π	
9	S	1320	89°	35'45"				5.0	+4.3	+4.5		55.0	0	188		
10	"	1320	270°	25'30"				5.0	+4.8				0			
11	N	1232	✓					6.3	+6.3	+6.3	61.3		0			
12	"	1232	89°	49'40"				10.0	+6.3				0			
13	E	150	✓					2.2		-2.2		59.1	-	3		LINE 1268
14	W	1180	91°	14'55"				4.0		-29.7		31.6	-	2		124
15		0														
16	S	88	91°	48'25"				4.0		-6.8		54.5	-	189	INT	π 188+1232
17	"	1408	90°	15'40"				4.0		-10.5		50.8	-	190		MARKER PIPE INSTALLED
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 23
 LINE No.(s) 125 PARTY No. 1182 DATE 20 Day 3 Mo. 70 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD			
1												61.3				
2																
3	S	2728	89°	45'40"				4.0	+7.2	+7.5		68.8	0	191		
4	"	2728	270°	15'10"				4.0	+7.9				0			
5	N	2640	90°	28'57"				4.0	+26.3	25.8	94.6		0			
6	"	2640	269°	32'27"				4.0	+25.3				0			
7	"	1320	90°	37'00"				4.0		-18.2		76.4	-	192		
8		0						4.1		-5.2		89.4		193	π	
9	S	1228	89°	59'37"				0.0	+0.1	+0.2		94.8	0	4 M.H.K		
10	"	1228	270°	01'10"				0.0	+0.2				0			
11												95.0		ELEV		
12												-0.2		MISTIE		
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR - 4 STATE or PROVINCE ALASKA PAGE No. 24
 LINE No.(s) 125 PARTY No. 1182 DATE 20 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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			TAKE	OFF	TR	STA	MIX	LIK			ELEV		95.8			
2																
3	N	2732	89°	58'56"					4.6	+2.3	+2.1	97.1		Δ		
4	"	2732	270°	08'32"					4.6	+1.9				Δ ₁		
5	"	2640	90°	00'20"					4.0		-4.4		92.7	-	194	
6	"	1320	90°	07'44"					4.0		-7.0		90.1	-	195	
7		0														
8	S	1320	90°	12'40"					5.2		-5.2		91.7	-	196	π
9	"	2640	90°	16'44"					4.0		-8.9		88.2	-	197	
10	"	2640	269°	43'44"					4.0	-17.0	-16.8		80.3	⊙	198	
11	N	1320	90°	18'15"					4.0	-16.6				⊙		
12	"	1320	269°	42'22"					4.0	+11.0	+10.9	91.2		Δ		
13		0								+10.8				Δ ₁		
14	S	1320	90°	17'50"					5.2		-5.2		86.0	-	199	π
15	"	2640	90°	17'50"					4.0		-10.9		80.3	-	200	
16	"	2640	90°	03'10"					4.0	-6.6	-6.3		84.9	⊙	201	
17	"	2640	269°	57'30"					4.0	-6.1				⊙		
18	N	1320	90°	04'20"					4.0	+5.7	+5.4	90.3		Δ		
19	"	1320	269°	57'10"					4.0	+5.1				Δ ₁		
20	O	0														
21	S	1320	90°	25'10"					5.2		-5.2		85.1	-	202	π
22									4.0	-13.7	-13.4		76.9	⊙	203	

TI-588B " 1320 269° 36' 10"

4.0 -13.2

⊙

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 25
 LINE No.(s) 125 PARTY No. 1182 DATE 20 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN Johns 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													76.9			
2															203	
3	N	2640	90°	13' 48"				4.0	+14.7	+15.0	91.9		Δ			
4	"	2640	269°	45' 30"				4.0	+15.3				Δ			
5	"	1320	90°	24' 20"				4.0		-13.4		78.5	-	204		
6		0						HI	5.2	-5.2		86.7		205	π	
7	S	1320	89°	06' 22"				4.0		-2.6		89.3	-	206		
8	"	2640	89°	58' 33"				4.0	-3.0	-2.6		89.3	⊙	207		
9	"	2640	270°	02' 22"				4.0	-2.3					⊙		
10	N	1342	90°	44' 33"				4.0	+20.1	+20.1	109.4		Δ			
11	"	1342	269°	15' 36"				4.0	+20.1					Δ		
12		0												207 + 1342	π	
13	S	78	91°	35' 22"				4.0		-6.2		102.2	-	208		
14	"	1398	90°	08' 16"				4.0	-7.4	-7.4		102.0	⊙	209		
15	"	1398	209°	52' 00"				4.0	-7.3					⊙		
16	N	1320	90°	01' 13"				4.0	+4.5	+4.6	106.6		Δ			
17	"	1320	269°	58' 10"				4.0	+4.7					Δ		
18		0						HI	5.2	-5.2		101.4		210	π	
19	S	1320	90°	04' 00"				4.0	-5.6	-5.4		101.2	⊙	211		
20	"	1320	269°	56' 50"				4.0	-5.3					⊙		

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 26
 LINE No.(s) 125 PARTY No. 1182 DATE 20 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHN 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												101.2				
2															211	
3	N	2640	89°	54' 50"				4.0	+0.2	-0.1	101.1		Δ			
4	"	2640	270°	05' 55"				4.0	-0.4				Δ ₁			
5	"	1320	90°	13' 20"				4.0		-9.2		91.9	-	212		
6		0						HI 5.2		-5.2		95.9		213	π	
7	S	1320	89°	54' 57"				4.0	-2.1	-2.0		99.1	⊙	214		
8	"	1320	270°	05' 45"				4.0	-1.8				⊙ ₁			
9	N	2640	89°	28' 40"				14.0	-9.9	-10.0	89.1		Δ			
10	"	2640	270°	31' 40"				14.0	-10.2				Δ ₁			
11	"	1320	89°	29' 20"				4.0		+7.7		96.8	-	215		
12		0						HI 5.2		-5.2		89.9		216	π	
13	S	1320	89°	53' 55"				4.0		-1.6		87.5	-	217		
14	"	2640	89°	45' 10"				4.0		+7.2		96.3	-	218		
15	"	2715	89°	48' 48"				0.0	+8.7	+8.8		97.9	⊙	aligner		
16	"	2715	270°	11' 36"				0.0	+9.0				⊙ ₁			
17												97.0		ELEV		
18												+0.9		MISTIE		
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 27
 LINE No.(s) 125 PARTY No. 1182 DATE 20 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN SONNS 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			TAKE OFF TRI STA LINDY										97.0			
2																
3	N	2565	89°	50' 40"				4.9	-1.9	-2.4	94.6		Δ			
4	"	2565	270°	10' 30"				4.9	-2.8				Δ			
5	"	1320	89°	57' 35"				4.0		-3.0		91.6	-	219		
6		0						#1 5.2		-5.2		89.4	-	220	X	
7	S	1320	90°	21' 50"				4.0		-12.4		82.2	-	221		
8	"	2640	90°	21' 21"				4.0	-20.5	-20.3		74.3	○	222		
9	"	2440	269°	31' 15"				4.0	-20.1				○			
10	N	1507	88°	54' 33"				4.0	-24.6	-24.6	49.7		Δ			
11	"	1507	271°	05' 18"				4.0	-24.6				Δ			
12	"	187	89°	28' 22"				4.0		-2.3		47.4	-	223		
13		0											+ 187		X	
14	W	750	87°	32' 50"				10.0		+22.1		71.8	-	174	LINE 129 MARKER PIPE	
15	E	565	90°	57' 32"				10.0		-19.5		30.2	-	173		
16	S	1133	90°	55' 11"				4.0		-22.2		27.5	-	224		
17	"	2453	90°	28' 10"				4.8	-24.2	-24.2		25.9	○	225		
18	"	2453	160°	32' 00"				4.0	-23.4				○			
19	N	2640	90°	08' 38"				4.0	+4.5	+4.8	30.7		Δ			
20	"	2640	269°	31' 48"				4.0	+5.1				Δ			

13.5
6.0
7.5

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 28
 LINE No.(s) 125 PARTY No. 1182 DATE 20 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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												30.7				
2																
3	N	1320	90°	01' 00"				4.0		+4.4		26.3	-	226		
4		0						HI 5.2		-5.2		25.5	-	227	π	
5	S	1320	90°	21' 33"				4.0		-12.3		18.4	-	228		
6	"	2640	90°	04' 20"				4.0	-7.5	-7.0		-23.7	0	229		
7	"	2640	269°	56' 55"				4.0	-6.5				0			
8	N	1320	90°	31' 35"				4.0	+16.2	+15.9	39.6		0			
9	"	1320	269°	29' 44"				4.0	+15.7				0			
10		0						HI 5.2		-5.2		34.4	-	230	π	
11	S	1320	90°	30' 53"				4.0	3.0 ^{14A}	-14.7		24.9	0	231		
12	"	1320	269°	30' 22"				4.0	3.0 ^{14B}				0			
13	N	2640	90°	41' 30"				7.0	+39.0	+38.7	63.6		0			
14	"	2640	269°	19' 20"				7.0	+38.4				0			
15	"	1320	90°	49' 26"				4.0		-23.0		40.6	-	232		
16		0						HI 5.2		-5.2		58.4	-	233	π	
17	S	1320	89°	28' 10"				4.0		+8.2		71.8	-	234		
18	"	2640	89°	27' 44"				4.0	+20.6	+20.6		84.9	0	235		
19	"	2640	270°	33' 55"				4.0	21.9	+21.3			0			
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 29
 LINE No.(s) 185 PARTY No. 1182 DATE 20 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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												84.9				
2															235	
3	N	2640	90°	28'44"				4.0	+26.2	+25.9	110.8			Δ		
4	"	2640	90°	22'44"	267°	32'00"		4.0	+25.6					Δ		
5	"	1320	90°	33'11"				4.0		-16.8		94.0		-	236	
6		0						MI		-5.2		105.6			237	π
7	SE	573	89°	59'48"				0.0	0.0	+0.1		110.9		⊙	Δ TARTU	
8	"	573	270°	01'22"				0.0	+0.2					⊙		
9												107.0			ELEV	
10												+3.9			MIST	
11																
12																
13					TAKE OFF	TARTU	ELEV					107 ²				
14																
15	SE	573	89°	59'48"				0.0	0.0	-0.1	706.9			Δ	TARTU	
16	"	573	270°	01'22"				0.0	-0.1					Δ		
17																T
18	S	1320	90°	40'04"				10.0	-25.4	-25.3		81.6		⊙	H38	
19	"	1320	269°	20'44"				10.0	-25.1					⊙		
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 30
 LINE No.(s) 125 PARTY No. 1182 DATE 20 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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												81.6				
2															238	
3	NE	1320	89°	12' 27"				4.0	-14.2	-14.3	67.3		Δ			
4	NE	1320	270°	48' 00"				4.0	-14.4				Δ			
5	N	0						HI 5.2		-5.2		62.1			239	π
6	SW	1320	90°	41' 17"				4.0		-19.9		47.4	-		240	
7	"	2640	90°	41' 00"				4.0	-35.6	-35.2		32.1	0		241	
8	"	2640	269°	20' 05"				4.0	-29.8				0			
9	N	2640	90°	01' 22"				4.0	+5.2	+4.5	36.6		Δ			
10	"	2640	270°	00' 20"				4.0	+3.9				Δ			
11	"	1320	90°	14' 40"				4.0		-9.7		26.9	-		242	
12		0						HI 5.2		-5.2		31.4			243	π
13	S	1320	90°	03' 07"				4.0		-5.2		31.4	-		244	
14	"	2640	90°	04' 44"				4.0	-7.8	-7.6		29.0	0		245	
15	"	2640	269°	53' 37"				4.0	-7.5				0			
16	N	3165	90°	14' 48"				4.0	+17.8	+17.5	46.5		Δ			
17	"	3165	269°	46' 00"				4.0	+17.1				Δ			
18	"	2145	90°	19' 25"				4.0		-16.2		30.3	-		246	
19	"	825	90°	34' 48"				4.0		-12.4		34.1	-		247	
20		0											+		825	π

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 31
 LINE No.(s) 125 PARTY No. 1182 DATE 21 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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												46.5				
2																
3	S	495	90°	26'55"				4.0		-7.9		38.6	-	248		
4	"	1815	90°	28'40"				4.0		-19.2		27.3	-	249		
5	"	3135	90°	23'55"				4.0	-26.0	-26.8		20.7	0	250		
6	"	3135	26°	36'40"				4.0	-25.5				0			
7	N	1320	✓					6.0	+6.0	+6.0	26.7		Δ			
8	"	1320	89°	49'22"				10.0	+6.0				Δ			
9		0						H1 5.2		-5.2		21.5	0	251	X	
10	S	1320	89°	41'00"				5.0	+2.3	+2.3		29.0	0	252		
11	"	1320	270°	19'19"				5.0	+2.4				0			
12	N	2640	89°	47'00"				10.0	+0.2	+0.2	29.1		Δ			
13	"	2640	270°	13'10"				10.0	+0.0				Δ			
14	"	1820	89°	57'40"				4.0		-3.1		26.0	-	253	MARKER PIPE	
15		0						H1 5.2		-5.2		23.9	-	254	X	
16	S	1320	89°	36'40"				4.0		+4.9		28.8	-	255		
17	"	2640	89°	41'48"				5.0	+8.8	+9.1		38.2	0	256		
18	"	2640	270°	19'50"				5.0	+9.4				0			
19	N	2640	✓					7.0	+7.0	+7.1	45.3		Δ			
20	"	2640	89°	56'11"				10.0	+7.2				Δ			

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 32
 LINE No.(s) 125 PARTY No. 1182 DATE 22 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1											45.3					
2																
3	NE	1320	90°	02'40"				4.0		-5.1		40.2	-	257		
4		0						5.2		-5.2		40.1	-	258	X	
5	SW	1320	90°	11'10"				4.0		-8.3		37.0	-	257		
6	"	2240	✓					1.4	-1.4	-1.4		43.9	0	260		
7	"	2640	89°	55'15"				5.0	-1.5				0			
8	NE	3465	✓					13.0	+13.0	+13.2	57.1		Δ			
9	"	3465	90°	03'10"				10.0	+13.4				Δ			
10	"	2145	90°	25'05"				10.0		-25.7		31.4	-	261		
11	"	825	90°	26'00"				4.0		-10.3		46.8	-	262		
12		0												+825	X	
13	SW	495	90°	11'20"				4.0		-5.6		51.5	-	263		
14	"	1815	90°	12'55"				4.0		-10.9		46.2	-	264		
15	W	1850	✓					8.2	-8.2	-8.2		48.9	0	A KULIC		
16	"	1850	90°	06'00"				5.0	-8.3				0			
17												49.2		ELEV		
18												+0.1		METIE		
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 33
 LINE No.(s) 125 PARTY No. 1182 DATE 22 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JONNS 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			TAKE OFF			TAI STA				KUNG	ELEV		49.2			
2																
3	N	1730	89°	29'50"					5.0	+10.1	-10.2	38.8		Δ		
4	"	1730	270°	30'33"					5.0	+10.3				Δ		
5		0							HI 5.2		-5.2		33.6		265	X
6	SW	1320	91°	27'27"					4.8		-37.6		1.2	-	266	
7	"	2640	90°	18'30"					10.0	-24.4	-24.4		14.4	⊙	267	
8	"	2640	269°	41'20"					10.0	-24.5				⊙		
9	NE	1320	90°	21'11"					10.0	+18.2	+18.1	32.5		Δ		
10	NE	1320	267°	39'20"					10.0	+18.0				Δ		
11		0							HI 5.2		-5.2		27.3		268	X
12	SW	1320	98°	03'40"					4.0		-5.4		27.1	-	269	
13	"	2640	89°	51'45"					5.0	+1.2	+1.6		34.1	⊙	270	
14	"	2640	270°	09'22"					5.0	+2.0				⊙		
15	NE	2640	✓						9.6	+9.6	+9.7	43.8		Δ		
16	"	2640	90°	06'10"					5.0	+9.9				Δ		
17	"	1320	90°	29'22"					4.0		-15.4		28.4	-	271	
18		0							HI 5.2		-5.2		38.6		272	X
19	SW	1320	70°	08'35"					4.0		-7.3		36.5	⊙	273	
20	"	2640	✓						4.5	-4.5	-4.5		39.3	⊙	274	
TI-5888		2640	89°	52'50"					10.0	-4.6				⊙		

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13.5
5.0
8.65
17.30

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 34
 LINE No.(s) 125 PARTY No. 1182 DATE 22 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1													39.3			
2															274	
3	NE	2640	90°	22'44"				10.0	+27.6	+27.3	66.6			Δ		
4	"	2640	269°	38'00"				10.0	+27.0					Δ ₁		
5	"	1320	90°	23'10"				4.0		-12.9		53.7		-	275	
6		0						5.2		-5.2		61.4			276	X
7	SW	1320	90°	01'28"				4.0		-4.6		62.0		-	277	
8	"	2640	✓					3.0	-3.0	-3.0		63.6		⊙	278	
9	"	2640	89°	57'17"				5.0	-3.1					⊙ ₁		
10	NE	1320	✓					4.5	+4.5	+4.5	68.1			Δ		
11	"	1320	89°	45'45"				10.0	+4.6					Δ ₁		
12		0						5.2	-	-5.2		62.9			279	
13	E	400	89°	20'12"				5.0	-0.4	-0.4		67.7		⊙	A JENA	
14	"	400	710°	40'40"				5.0	-0.3					⊙ ₁		
15												68 ²			ELYX	
16												-0.3			MISTY	
17																
18																
19																
20																

9.0
5.0 F

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 35
 LINE No.(s) 125 PARTY No. 1182 DATE 22 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JONES 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.	ROD			
1			TAKE OFF TRI			STA	J	ENA					68.2			
2																
3	E	400	89° 20' 12"					5.0	+0.4	+0.4	68.4		Δ			
4	"	400	270° 40' 40"					5.0	+0.3				Δ			
5		0						HI 5.2		-5.2		63.2		279	π	
6	SW	1320	90° 14' 00"					4.0		-9.4		59.0	-	280		
7	"	2640	✓					18.6	-13.6	-13.6		54.8	0	281		
8	"	2640	90° 04' 40"					10.0	-13.7				0			
9	NE	2640	✓					3.5	+3.5	+3.5	58.3		Δ			
10	"	2640	89° 58' 00"					5.0	+3.6				Δ			
11	"	1320	90° 11' 17"					4.0		-8.4		49.9	-	282	π	
12		0						HI 5.2		-5.2		53.1		283		
13	SW	1320	90° 58' 32"					4.0		-26.5		31.8	-	284		
14	"	2640	90° 35' 20"					5.0	-32.3	-31.8		26.5	0	285		
15	"	2640	289° 28' 50"					5.0	-31.4				0			
16	NE	3135	90° 05' 20"					10.0	+15.1	+15.1	41.6		Δ			
17	"	3135	269° 54' 44"					10.0	+15.0				Δ			
18	"	1815	✓					14.5		-14.5		27.1	-	286		
19	"	495	91° 55' 30"					10.0		-26.6		15.0	-	287		
20		0											+	495	π	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 36
 LINE No.(s) 125 PARTY No. 1182 DATE 22 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JONES 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.			
1											41.6				
2															
3	SW	825	89°	15' 20"				5.0	+5.7	+5.8		47.4	⊙	288	
4	"	825	270°	45' 40"				5.0	+5.9				⊙		
5	NE	1320	89°	35' 30"				5.0	-4.4	-4.5	42.9		⊙		
6	"	1320	270°	25' 05"				5.0	-4.6				⊙		
7		0						HI	5.2	-5.2		37.7		289 π	
8	SW	1320	90°	32' 44"				4.0		-16.6		26.3	-	290	
9	"	2640	✓					12.8	-12.8	-12.9		30.0	⊙	291	
10	"	2640	90°	03' 44"				10.0	-13.0				⊙		
11	NE	2640	89°	47' 11"				10.0	+0.3	0.0	30.0		⊙		
12	"	2640	270°	13' 30"				10.0	-0.2				⊙		
13	"	1320	89°	59' 55"				4.0		-4.0		26.0	-	292	
14		0						HI	5.2	-5.2		24.8		293 π	
15	SW	1320	89°	52' 10"				10.0		-7.0		23.0	-	294	
16	"	2640	89°	57' 25"				14.0	-12.2	-11.7		18.3	⊙	295	
17	"	2640	270°	03' 44"				14.0	-11.3				⊙		
18	NE	1320	90°	12' 22"				14.0	+18.8	+18.7	37.0		⊙		
19	"	1320	269°	48' 25"				14.0	+18.5				⊙		
20		0						HI	5.2	-5.2		31.8		296 π	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 37
 LINE No.(s) 125 PARTY No. 1182 DATE 22 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JONNS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadio 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												37.0				
2																
3	SW	1320	90°	25'40"				10.0	-19.9	-19.7		17.3	⊙	297		
4	"	1320	269°	35'25"				10.0	-19.5				⊙			
5	NE	2640	✓					8.0	+8.0	+8.0	25.3		Δ			
6	"	2640	89°	57'17"				10.0	+8.1				Δ			
7	"	1320	90°	03'15"				4.0		-5.3		20.0	-	298		
8		0						HI 5.2		-5.2		20.1		299	π	
9	SW	1320	89°	51'10"				4.0		-0.6		24.7	-	300		
10	"	2640	89°	44'20"				10.0	+1.9	+2.1		27.4	⊙	301		
11	"	2640	270°	16'16"				10.0	+2.3				⊙			
12	NE	2640	89°	48'22"				6.0	-6.6	-7.0	20.4		Δ			
13	"	2640	270°	17'29"				6.0	-7.3				Δ			
14	"	1320	89°	59'00"				4.0		-3.7		16.7	-	302		
15		0						HI 5.2		-5.2		15.2		303	π	
16	SW	1320	90°	21'33"				4.0		76.2		4.2	-	304		
17	"	2640	89°	39'35"				5.0	+10.5	+10.9		31.3	⊙	305		
18	"	2640	270°	21'15"				5.0	+11.2				⊙			
19	NE	1320						18.8		+13.8	45.1		Δ			
20	"	1320	90°	09'44"				10.0	+13.8				Δ			

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STADIA SURVEY NOTES

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 LINE No.(s) 125 PARTY No. 1182 DATE 22 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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.	ROD			
1												45.1				
2																
3		0						HI	5.2		-5.2	39.9		306	T	
4	N	99	✓						3.9		-3.9	41.2	⊙	Δ	NEVAT	
5	"	99	89°	20' 20"					5.0	-3.9			⊙			
6												42 ²			ELEV	
7												-0.8			MISTIE	
8																
9																
10																
11																
12	N	99	✓						3.9		+3.9	45.8	Δ		NEVAT	
13	"	99	89°	20' 20"					5.0	+3.9			Δ			
14		0						HI	5.2		-5.2			306	T	Station
15	SW	1320	90°	57' 07"					10.0		-32.0	13.8	-	307		values
16	"	2640	90°	32' 45"					10.0	-35.3	-35.3	10.5	⊙	308		taken from
17	"	2640	86°	27' 11"					10.0	-35.3			⊙			REBUN - see
18	NE	2805	90°	07' 17"					10.0	+16.1	+16.4	26.1	Δ			PAGES 44-46
19	"	2805	26°	52' 00"					10.0	+16.7			Δ			
20	"	1485	90°	39' 20"					4.0		-21.0	5.1	-	309		

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 39
 LINE No.(s) 125 PARTY No. 1182 DATE 22 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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																
3	NE	165	93°	34'44"				4.0		-14.3		11.8	-	310		
4		0												+165		
5	SW	1155	90°	03'37"				4.0		-5.2		20.9	-	311		Station
6	"	2475	89°	49'41"				10.0	-6.7	-6.6		20.3	0	312		values
7	"	2475	270°	10'36"				14.0	-6.5				0,			taken
8	NE	2640	✓					5.4	+5.4	+5.4	26.0		0,			room
9	"	2640	82°	54'00"				10.0	+5.5				0,			room
10	"	1320	90°	19'40"				14.0		-21.6		-4.4	-	313		PAGE 44-46
11		0						5.2		-5.2		20.8		314		*
12	SW	1320	90°	24'24"				10.0		-19.4		6.6	-	315		
13	"	2640	89°	51'00"				5.0	+1.8	+2.1		28.3	0	316		
14	"	2640	270°	09'50"				5.0	+2.4				0,			
15	NE	2640	90°	05'15"				14.0	+18.2	+18.2	47.3		A,			
16	"	2640	269°	54'46"				14.0	+18.2				A,			
17	"	1320	90°	13'50"				4.0		-9.3		38.0	-	317		
18		0						5.2		-5.2		42.1		318		*
19	SW	1920	90°	50'40"				4.0		-23.5		23.8	-	319		
20	"	2640	90°	17'00"				10.0	-23.2	-23.2		24.2	0,	220		
		TI-588B 2640	269°	48'00"				10.0	-23.2				0,			

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 40
 LINE No.(s) 125 PARTY No. 1182 DATE 22 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadio 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													231.2			
3	NE	1320	✓								+2.2	26.0		Δ	320	
4	"	1320		89° 52' 38"						+2.2				Δ	"	
5		0														
6	SW	1320	✓								-5.2		20.8		321	π
7	"	1320		89° 52' 11"							-7.0		20.7	⊙	322	
8	NE	3135		90° 13' 55"							+26.9	+26.9	47.0	Δ		VALUES FOR STATIONS
9	"	3135		269° 46' 06"							+26.9			Δ		TAKEN FROM
10	"	1815		90° 20' 35"							-14.9		32.2	-	323	RE RUN -
11	"	495		90° 48' 10"							-10.9		36.2	-	324	PAGE 44-44
12		0													+495	π
13	SW	825		90° 23' 22"							+1.6		48.7	-	325	
14	"	2145		96° 34' 30"							-31.8	-31.7	22.1	⊙	326	
15	"	2145		269° 25' 40"							-31.5			⊙		
16	NE	2640		89° 24' 25"	LEVEL						+5.7	+5.8	29.5	Δ		
17	"	2640		89° 24' 25"							+5.9			Δ		
18	"	1320		90° 05' 10"							-6.0		23.5	-	327	
19		0									-5.2		24.3		328	π
20	SW	1320		89° 36' 55"							+4.8		34.3	-	329	

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2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 41
 LINE No.(s) 125 PARTY No. 1182 DATE 23 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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												29.5				
2																
3	SW	2640	89°	40' 00"				14.0	+1.2	+1.4		30.9	0	330	THESE VALVES	
4	"	2640	270°	20' 30"				14.0	+1.6				0			
5	NE	2890	✓					8.8		+8.8	39.7		0			
6	"	2640	90°	04' 55"				5.0	+8.9				0			
7	"	1320	90°	15' 00"				4.0		-9.8	29.9		-	331		
8		0						5.2		-5.2	34.5			332	π	
9	SW	1320	90°	05' 10"				4.0		-6.0	33.7		-	333		
10	"	2640	✓					5.2		-5.2	34.9		0	334		
11	"	2640	89°	53' 35"				10.0	-5.2				0			
12	NE	2640	90°	08' 00"				10.0	+16.3	+16.1	50.6		Δ			
13	"	2640	249°	52' 40"				10.0	+15.8				Δ			
14	"	1320	90°	23' 13"				4.0		-13.0	37.6		-	335		
15		0						5.2		-5.2	45.4			336	π	
16	SW	1320	90°	45' 10"				4.0		-21.4	29.2		-	337		
17	"	2640	90°	15' 33"				10.0	-22.1	-22.1	28.8		0	338		
18	"	2640	249°	45' 10"				10.0	-21.5	-21.8			0			
19	NE	2640	90°	04' 10"				10.0	+11.0	+10.8	39.6		Δ			
20	NE	2640	269°	59' 35"				10.0	+10.5				Δ			

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CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 42
 LINE No.(s) 125 PARTY No. 1182 DATE 23 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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												39.6				
2																These
3	NE	1320	90°	15' 15"				9.0		-9.9		29.7	-	339		above
4		0						5.2		-5.2		34.4	-	340		T
5	SW	1320	90°	09' 30"				4.0		-7.7		31.9	-	342		up
6	"	2640	✓					11.7	-11.7	-11.8		27.8	0	342		
7	"	2640	90°	02' 16"				10.0	-11.9				0			
8	NE	2640	89°	13' 25"				10.0	-25.6	-26.0	1.8		0			
9	"	2640	270°	47' 35"				10.0	-26.4				0			
10	"	495	90°	11' 30"				4.0		-5.7		-3.9	-	343		
11		0														+ 995
12	SW	825	89°	22' 06"				4.0		+5.1		6.9	-	344		
13	"	2145	89°	21' 11"				10.0	+14.1	+14.3		16.1	0	345		
14	"	2145	270°	39' 25"				10.0	+14.5				0			
15	NE	2640	89°	41' 00"				10.0	+1.7	+1.4	17.9		0			
16	"	2640	276°	11' 40"				10.0	+1.2				0			
17	"	1320	89°	54' 40"				4.0		-2.0		15.9	-	346		
18		0						5.2		-5.2		12.7	-	347		T
19	SW	1320	91°	07' 20"				4.6		-6.9		11.0	-	348		
20	"	2640	✓					8.9		-8.9		8.6	0	349		

T1-588B " 2640 90° 04' 50"

5.0 -8.9

0

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CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 44
 LINE No.(s) 125 PARTY No. 1102 DATE 27 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS WEATHER: _____ 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			TAKE OFF			NEVAT						42.0			
2															
3		99	✓												45.8
4				89° 18' 38"											
5															
6		2640		90° 33' 00"										306	π
7				269° 27' 30"										308	0.1 GOOD
8		2805		98° 06' 58"											0.7
9				267° 53' 33"											
10															
11		2475		89° 48' 25"										310 + 165	π
12				270° 11' 38"										20.3	6000
13		2640	✓												
14				89° 54' 18"											
15															
16		2640		89° 50' 45"										28.3	314 π
17				270° 10' 05"											
18		2640		98° 11' 45"											
19				269° 48' 44"											
20		2640		90° 16' 55"											
				269° 43' 10"											

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2nd _____

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 LINE No.(s) 125 PARTY No. 1182 DATE 27 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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																
3		1320	✓						1.8		+1.8	26.0		Δ		
4			89°	51'15"					5.0	1.7				Δ		
5															321	⊥
6		1320	90°	03'33"					4.0	-5.4	-5.3		20.7	⊙	322	
7			269°	57'00"					4.0	-5.2				⊙		
8		3135	90°	18'00"					10.0	26.6	+26.4	47.1		Δ		
9			269°	42'33"					10.0	26.1				Δ		
10															324 + 485	⊥
11		2640	90°	27'26"					4.0	-25.1	-25.0		22.1	⊙	326	
12			269°	33'00"					4.0	-24.9				⊙		
13		2640	90°	04'33"					4.0	7.6	+7.4	29.5		Δ		
14			269°	56'10"					4.0	7.1				Δ		
15															328	⊥
16		1320	89°	39'30"					4.0	-3.8	-3.9		25.6	⊙	329	
17			270°	26'40"					4.0	-3.9				⊙		
18		2740	89°	42'00"					5.0	-9.3	-9.4	16.2		Δ		
19			270°	18'22"					5.0	-9.6				Δ		
20																⊥

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 46
 LINE No.(s) 125 PARTY No. 1102 DATE 27 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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																
3		2590	✓						4.0	-4.0		12.2	0			
4			89°	52'00"					10.0	-4.1			0			
5		2600	90°	07'30"					10.0	+15.8	+15.6	27.8	Δ			
6			269°	53'05"					10.0	15.4			Δ			
7																↑
8		1706	89°	12'45"					5.0	18.4	+18.6	46.4	0	Tai STA		
9			270°	48'10"					5.0	18.8			0	Dentrol		
10												49.0				
11												-2.6				
12																
13																
14																
15																
16																
17																
18																
19																
20																

17.53
5.0

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 43
 LINE No.(s) 125 PARTY No. 1182 DATE 23 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN JOHNS 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													8.6			
2															349	
3	NE	2640	90°	10' 40"				10.0	+18.3	+18.4	27.0			Δ		THOSE
4	"	2640	269°	09' 10"				10.0	+18.5					Δ.		VALUES
5	"	1320	90°	20' 50"				4.0		-12.0		15.0		-	350	VALID
6		0						4.1								
7	SW	1320	89°	50' 10"				5.2		-5.2		21.8			351	π
8	"	1320	89°	10' 30"				6.2		-2.3		24.7		⊙	352	
9	NE	2640	89°	21' 21"				6.2	-22.6	-22.7	2.0			⊙		
10	"	2640	72°	38' 00"				6.2	-22.8					⊙		
11	"	1320	89°	09' 44"				4.0		-5.9		-3.9		⊙	353	
12		0						5.2		-5.2		-3.2			354	π
13	SW	1320	90°	05' 15"				4.0		-6.1		-4.1		-	355	
14	"	2640	89°	25' 30"				10.0	+16.3	+16.5		-18.5		⊙	356	
15	"	2640	89°	25' 30"				10.0	+16.7					⊙		
16	NE	2640	89°	03' 20"				10.0	10.4		28.8			Δ		
17	"	2640						10.3		+10.3				Δ		
18	"	2640						4.0		-8.9		19.9		-	357	
19		1320						5.2		-5.2		23.6			358	π
20	SW	1320		47' 15"				4.0		+0.9		29.7		-	359	

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