

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 4
 LINE No.(s) 46 PARTY No. 1184 DATE 9 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN WEATHER: Clear, Good 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			INST.	ROD			
1												16.2			TR TARE #1
2															Center Target
3	N	2310		+0°05'		C				+1.4	18.0		A		
4		0				C				-0.8			X	GB	
5	S	2640		+0°02'		C				+2.5		15.5	O	Sp16	
6	N	2805		-0°03'		C				+5.5	21.9		A		
7															
8		0								-4.8		17.1	X	SP2	N=153 +00.0 TP N. 4-2 LINE #46
9															
10	S	1320		-0°20'	.58				-7.7	-11.7		10.2		SP2	
11															
12	N	2640		-0°09'		C				-10.9		11.0	O	SP3	
13	N	2640		-0°11'		C				+12.4	23.4		A		
14															
15		1320		-0°16'	.47	C			-6.2	-10.1		13.3		SP4	
16															
17		0				C				-4.0		19.4	X	SP5	
18															
19		1320		-0°05'	.15	C			-2.0	-5.9		17.5		SP6	
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 3
 LINE No.(s) 46 PARTY No. 1184 DATE 9 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Clear 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															SP10	14.2
3	N	2145		-0°15'	0.44	C			14.0	+9.4	+13.4	23.1				28.2
4																
5	N	825		-0°36'	1.05	C			-4.0	-8.7	-12.6		10.5		SP11	
6													23.4			
7		0				C			4.0		-4.8		18.3		SP11	125 TP
8																Use 18.3 from Recip. survey
9	S	495		-0°52'	1.51	C			4.0	-7.5	-11.5		11.6		SP12	
10																
11	S	1815		-0°15'	0.44	C			-4.0	-8.0	-11.9		11.2		SP13	14.3
12	N	2640		-0°08'	0.23	C			+4.0	+6.1	+10.1	21.3				26.4
13																
14	N	1320		-0°05'	.15	C			-4.0	-2.0	-5.9		15.4		SP14	
15																
16		0				C			-4.0		-4.0		17.3		SP15	
17																
18	S	1320		-0°15'	1.50	C			-4.0	-6.6	-9.8		11.6		SP16	
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 2
 LINE No.(s) 46 PARTY No. 1154 DATE 9 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																SP106 L-40X common
2																SP 7 L-46
3	S	2640		-0°03'	0.09	C		-3.1	-4.0	-2.4	-54'		18.0	0		N2- TP SP 7-46 100.0
4																6P 4x40-116-140 100.0
5																TOP OF APC
6																FROM Center OF
7																Target TO TOP
8																OF PIPE 3.2 ft.
9																
10	N	2640		-0°02'	0.06	C			3.1	+1.6	+4.6'	22.6		A		
11																
12	N	1320		-0°06'	0.17	C			4.0	-2.2	-6.3'		16.3			SP102-08
13																
14		0	-			C			4.8		-4.8'		17.8			SP102-9
15																
16	S	1320		-0°10'	0.29	C			4.0	-3.8	-7.8'		14.8	0		SP102-10
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA WPR-4 STATE or PROVINCE ALASKA PAGE No. 4
 LINE No.(s) 46 PARTY No. 1184 DATE 9 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																
2																
3	S	495		+0°01'	.03	C			-4.8	+0.1	-4.7		16.6	-	SP16	N2-70
4																Center Target
5	S	2640		-0°08'	0.23	C			-4.0	-6.1	-10.1		11.3	⊙	SP17	16.3
6	N	2640		-0°02'	0.06	C			+4.0	+1.6	+5.5	16.8		Δ		21.8
7																
8		1320		-0°03'	.09	C			-4.0	-1.2	-5.2		11.6		SP18	
9																
10		0	-			C			4.8		-4.8		12.0	X	SP19	
11													16.1			
12	S	1185		+0°22'	.64	C			-4.8	+7.6	+2.8		14.0	-	SP19	N2-1 + 1185
13																Center Target
14	S	1320		+0°12'	0.35	C			-4.0	+4.6	+0.6		17.4	⊙	SP20	22.4
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 5
 LINE No.(s) 46 PARTY No. 1184 DATE 10 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN WEATHER: P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																
2														⊙	SP20	22.7
3	N	2640		10°05'	0.15	C			+4.0	-4.0	+0.2°	17.6		Δ		22.6
4																
5	N	1320		+9°04'	.12	C			-4.0	+1.6	-2.5°		15.1		SP21	
6																
7	O					C			4.0		-4.8°		12.8	X	SP22	
8																
9	S	1320		-0°04'	.12	C			-4.0	-1.6	-5.5°		12.1		SP23	
10																
11	S	2640		-0°01'	0.03	C			-4.0	-0.8	-4.8°		12.8	⊙	SP24	17.9
12	N	825		-0°35'	1.02	C			+4.0	+8.4	+12.4°	25.2		Δ		30.2
13																
14		0	-			C			4.0		-4.8°		20.4	X		
15																
16	S	495		-0°16'	.47	C			-4.0	-2.3	-6.3°		18.9		SP25	
17																
18	S	1015		-0°04'	.12	C			-4.0	-2.2	-6.1°		19.1		SP26	
19																
20	S	2150		10°06'	0.17	C			-4.0	+3.7	-1.0°		24.2	⊙	N2-156 SP26 + m 335 + P	Center Target 23.7

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 6
 LINE No.(s) 46 PARTY No. 1114 DATE 10 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN WEATHER: P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2																
3	S	3135		0°41'					4.0							SP21
4	N	985		+0°17'	0.50				+4.8	-4.9	-0.1°	24.1		A		29.1
5																
6		0							-4.8		-4.8°		19.3	X	SP27	FROM Gr.
7																
8	S	1320	-			C			-4.0		-4.0°		20.1	O	SP28	29.1
9	N	2640		+0°11'	0.03	C			+4.0	-0.8	+3.2°	23.3		A		28.3
10																
11	N	1320		-0°05'	0.15	C			-4.0	-2.0	-5.9°		17.4		SP29	
12																
13		0				C			4.8		-4.8°		18.5	X	SP30	
14																
15	S	1320		-0°08'	.23	C			-4.0	-3.0	-2.1°		16.2		SP31	
16																
17	S	2640		+0°04'	0.12	C			-4.0	-3.2	-7.1°		16.2	O	SP32	21.2
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 7
 LINE No.(s) 26 PARTY No. 1184 DATE 10 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. Stone 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															<u>SP 32</u>	<u>21.2</u>
2																
3	N	2640		-0°25'	0.15	C			+4.0	+4.0	+7.8	24.0		Δ		29.0
4																
5	N	1320		-0°20'	.58	C			-4.0	-7.7	-11.7		12.6		SP33	
6																
7		D				C			4.0		-4.8		19.2	π	SP34	
8																
9	S	1180		+0°22'	0.64	C			-6.0	+7.6	+1.6		25.6	○		<u>TOP OF Target</u> ^{54.6}
10	N	1785		-0°31'	0.90	C			-6.0	+17.6	+23.6	49.2		Δ		<u>54.2</u>
11																
12	N	1025 495		-0°46'	1.34	C			-4.0	-24.3	-28.3		20.9		SP35	
13																
14	N	495		-0°56'	5.11				-4.0	-25.3	-29.3		19.9		SP36	
15																
16	S	30		-0°08'	0.23				-4.8	-0.1	-4.9		44.3	⊙	SP36	<u>+525 TP</u> ^{49.3}
17																<u>Center of Target</u>
18																<u>N2-159</u>
19																
20																

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STADIA SURVEY NOTES

AREA 1PR-4 STATE or PROVINCE ALASKA PAGE No. 8
 LINE No.(s) 46 PARTY No. 1184 DATE 10 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D stone RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1														⊙		N ² 19.3
2																
3	N	2115		+0°45'	1.31	C			4.8	-27.7	-22.9	21.4		Δ		center Target 26.7
4																
5	N	1320		+0°04'	.12	C			4.0	-1.6	-5.5		15.9		SP37	
6																
7		0				C			4.8		-4.1		16.6	X	SP38	
8																
9	S	1320		+0°10'	.29	C			4.0	+3.8	-0.2		21.2	I	SP39	
10																
11	S	2115		+0°45'	1.31	C			4.8	+30.7	+25.7		47.1	⊙	SP39	N ² -160 495-1090 1007
12		2327-2345														
13																
14	N	1633		+0°56'	1.63	C			4.8	-31.7	-24.8	25.3		Δ		30.9
15																
16	N	1320	-			C			4.0		-4.0		21.3		SP40	INT. L26
17	1124	1915	-	-0°02'	.06	C			0.0		-0.7		24.6	-	SP41	SP38+165
18		0	-			C			4.8		-4.8		20.5	X	SP41	N ² -1612
19																
20	S	1320		-0°01'	.03	C			4.0		-4.4		20.9		SP42	

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STADIA SURVEY NOTES

AREA NPR-A STATE or PROVINCE ALASKA PAGE No. 9
 LINE No.(s) 46 PARTY No. 1184 DATE 10 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Clear, Good 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	NE	2170		-0°01'		C			24.0		-0.6		24.7	-	SP 38	92-98 +100 X 26 TOP OF PIPE
3																
4																
5	S	2300		+0°48'	1.40	C			4.8	+32.2	+27.3		52.0	0	SP 42	N 25-162 Center Target
6																
7	N	1405		+0°44'	1.28	C			4.8	-18.0	-13.2	38.8		A		
8		1405														
9	N	1065		+0°42'	1.22	C			4.0	+12.0	+9.0		47.8		SP 43	
10																
11	S	255		-02°50'	4.94	C			4.0	-12.6	-16.6		22.2		SP 44	
12																
13	S	1575		-0°24'	0.70	C			4.0	-11.0	-15.0		23.8	0	SP 45	
14	N	2640		-0°15'	0.44	C			4.0	+11.6	+15.5	39.3		A		274 44.9
15																
16	N	1720		-0°13'	.38	C			4.0	-5.0	-9.0		30.3		SP 46	
17																
18		0				C			4.8		-4.8		34.5	K	SP 47	
19																
20	S	1320		-0°31'	0.90	C			4.0	-11.9	-15.9		23.4		SP 48	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 10
 LINE No.(s) 46 PARTY No. 1184 DATE 10 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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			INST.	ROD			
1															44.9
2															
3	S	2640		-0°14'	0.41	C			-10.8	-14.8		49.8	⊙	SP4849	30.1
4	N	1815		-0°30'	0.87	C			+15.8	+19.8	W.S		Δ		47.3
5															
6		495		-0°36'	1.05	C			-5.2	-9.2		60.3		SP50	
7															
8		0				C				-4.8		64.7	Δ	SP50	44.2
9															
10	S	825		+0°02'	0.06	C			+0.5	-5.5		64.0	⊙	SP51	Center Target
11	N	2640		+0°22'	0.64	C			16.9	-10.9	53.1		Δ	SP51	Top of Target
12															33.5
13	N	1320		+0°15'	.44	C			+5.8	+1.8		54.9		SP52	
14															
15		0								-4.8		48.3	Δ	SP53	
16															
17	S	1320		+0°53'	1.54	C			+20.3	+16.3		69.4		SP54	
18															
19	S	1815		+0°53'	1.54	C			+28.0	+23.2		76.3	⊙	SP54	N2=164 Center Target
20															

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AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 11
 LINE No.(s) 46 PARTY No. 1184 DATE 9 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Cloud 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													76.3	0	SP54	N2-164 7495 TP 56.7
3																
4	N	660		-0°16'	0.47				-4.8	+3.1	+7.9	84.2		Δ		64.6
5																
6	N	165		-01°00'	1.74	C			-4.0	-2.9	-6.9		77.3		SP55	
7																
8	S	1155		-01°10'	2.04	C			-4.0	-23.6	-27.5		56.7		SP56	
9																
10	S	2475		-0°30'	0.87	C			-4.0	21.5	-25.6		58.6	0	SP57	37.0
11	N	495		-01°50'	3.20	C			-4.0	+15.8	+19.8	70.4		Δ		58.8
12																
13	S	825		+0°13'	.38	C			-4.0	+3.1	-0.9		77.5		SP50	
14																
15	S	1650		+0°21'	0.61	C			-4.8	+10.1	+5.3		83.7	0	SP58	N2-165 725 TP 64.1 Center Target
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 12
 LINE No.(s) 46 PARTY No. 1184 DATE 9 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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	Correction	Center Hair			INST.	ROD			
1														0	SP58	(N2-165)+825-14.1
2																
3	N	1815		+0°44'	1.28				+4.8	-23.2	-18.4	65.3		Δ		15.7
4																
5	N	1320		+0°37'	1.08	C			-4.0	+14.3	+10.2		75.5		SP59	
6																
7		0				C			+4.8		-4.8		60.5	X	SP60	
8																
9	S	1320		-0°12'	.35	C			-4.0	-4.6	-8.6		56.7		SP61	
10																
11	S	2640		+0°09'	0.26	C			-4.0	+6.9	+2.9		68.2	○	SP62	18.6
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. 13
 LINE No.(s) 46 PARTY No. 1189 DATE 19 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D Stone RODMAN WEATHER: Good 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														0	SP 62	78.6
2																
3	N	1320		-0° 39'	1.14	C			+4.0	+15.0	+19.0°	87.2		A		67.6
4		0		+0° 78'		C			4.8		-4.8		82.4	X	SP 63	
5																
6	S	825		+0° 18'	0.52	C			-4.8	+4.3	-0.5°		86.7	0	SP 63	Center Target
7	N	1845		+0° 19'	.55	C			+4.8	-10.0	-5.2°	81.5		A		61.9
8																
9																
10	N	1320		+0° 15'	.44	C			-4.0	+5.8	+1.8		83.3		SP 64	
11		0				C			4.8		-4.8		76.7	X	SP 65	
12																
13																
14	S	1320		+0° 16'	.47	C			-4.8	+6.2	+1.3°		82.8	0	SP 66	N2- 00.0
15	N	2640		+0° 28'	.81	C			+4.8	-21.4	-16.7°	(60.1)		A		46.5
16																
17		1320		-0° 04'	.12	C			-4.0	-1.6	-5.5		86.3		SP 67	
18																
19		0				C			4.8		-4.8		87.0	X	SP 68	Hi-Gr - WORKED BACK
20																

TI-508B

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 14
 LINE No.(s) 46 PARTY No. 1184 DATE 11 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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																42.5
2																
3	S	1320	-			C			4.0		-4.0		87.8		SP69	
4																
5	S	2640		10°18'	.52	C			4.0	+13.7	+9.8		101.6		SP70	
6																
7	S	2805	-			C			4.8		-4.8		87.0		○	N2-168 SP 70+165
8																Center Target
9	N	2475		10°22'	.64	C			4.8	-15.8	-11.0	76.0		Δ		(Elev. from Recip. Survey) off
10	N	1320		10°08'	.23				4.0	-3.0	-7.1		68.9		SP71	
11																
12		0				C			4.8		-4.8		71.2		X SP72	
13																
14																
15	S	1320		10°42'	1.22	C			4.0	+16.1	+12.1		88.1		○ SP73	42.8
16																
17																
18																
19																
20																

TI-588B

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 15
 LINE No.(s) 46 PARTY No. 1184 DATE 11 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN WEATHER: Clear, Good 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														0	SP13	42.8
2																
3	N	475		-01°19'	2.30	C			4.0	+11.4	+15.4	103.5		Δ		58.2
4		0				C			4.0		-4.8		98.7	π		
5																
6																
7	S	825		+0°02'	.06	C			4.0	+0.5	-3.5		100.0	i	SP14	
8																
9	S	1320		+0°03'	.09	C			4.0	+1.2	-3.6		99.9	○		Center Target ^{SP16}
10	N	2145		+0°30'	.87	C			4.0	-18.7	-13.9	86.0		Δ		40.7
11																
12	N	1320		-0°10'	.29				4.0	-3.8	-7.8		78.2		SP15	
13																
14		0	-			C			4.0		-4.8		81.2	π	SP16	
15																
16	S	1155		+01°08'	1.98	C		-6.0	4.0	+22.9	+16.8		102.8	○		57.5
17																
18																
19																
20																

TI-558B

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 16
 LINE No.(s) 46 PARTY No. 1184 DATE 11 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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														0		57.5
2																
3	N	165		+0°53'	1.54	C			+6.0	-2.5	+3.5	106.3		Δ		61.0
4																
5		0				C			4.8		-4.8		101.5	X	SP77 + 12-130	TP
6																Hi = Center Target
7	S 132°44'			-0°25'	.70	C			-4.0	-9.2	-13.6		92.7		SP78	
8																
9	S	264.0		+0°22'	0.64	C			-4.0	+16.9	+12.9		119.2	0	SP79	73.9
10														*		
11	N	825		-0°31'	0.90	C			+4.0	+7.4	+11.4	130.16		Δ		85.3
12																
13		•				C			4.8		-4.8		125.8	X		
14																
15	S	495		-0°26'	.76	C			-4.0	-3.8	-7.7		122.9		SP80	
16																
17	S	1815		-0°04'	.12	C			-4.0	-2.2	-6.1		124.5	0	SP81	79.2
18																
19																
20																

TI-588B

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 17
 LINE No.(s) 46 PARTY No. 1184 DATE 11 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																
2																
3	N 5	2640		+0°15'	14	C			+4.0	-10.8	-6.8	117.7		Δ		79.2
4																
5	N	1320		+0°13'	138	C			-4.0	+5.0	+1.0		118.7		SPB2	
6																
7		0				C			9.8		-4.8		112.9		T SPB3	
8																
9	S	1320		+0°17'	150	C			-4.0	+6.6	+2.5		120.2		SPB4	
10																
11	S	2640		+0°18'	152	C			-4.0	+13.7	+9.8		127.5	Δ	SPB5	82.2
12																
13	N	2640		-0°08'	123	C			-4.0	+6.1	+10.1	137.6		Δ		92.3
14																
15	N	1320		-0°14'	141	C			-4.0	-5.4	-9.4		128.2		SPB6	
16																
17		0							4.8		-4.8		132.8		T SPB7	
18																
19	S	1320		+0°08'	123	C			-4.8	+1.9	-2.9		134.7	Δ	SPB8	82.5
20																

TI-588B

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 18
 LINE No.(s) 46 PARTY No. 1184 DATE 11 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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																92.3
2																
3	S	1320		-0°06'	.18		4.0		-6.0	-2.5	-8.3		129.3	0	SP88	Target Top stake 84.0
4	N	775		+0°11'	.32				+6.0	-2.5	+3.5	132.8		A		87.5
5																
6		0	-			C			4.0		-4.8		128.0	π	SP88	+775
7																
8	S	545		-0°24'	5.89	C			-4.0	-32.1	-36.3		96.5		SP92	89
9																
10	S	1065		-0°22'	(.79)	C			-4.0	-14.7	-18.6		114.2	0	SP92	90 68.9
11																
12	N	2640		-0°02'	.06	C			+4.0	+1.6	+5.5	119.7		A		74.4
13																
14	N	1320		-0°04'	.12	C			-4.0	-1.6	-5.5		114.2		SP91	
15																
16		0	-			C			4.0		-4.8		114.9	π	SP92	
17																
18	S	1320		-0°03'	.09	C			-4.0	-1.9	-5.2		114.5		SP93	
19																
20	S	2640		+0°24'	.70	C			-4.0	+18.5	+14.4		134.1	0	SP94	88.8

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 19
 LINE No.(s) 46 PARTY No. 1184 DATE 11 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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														0	SP 94	98.9
2																
3	N	1320		-0°12'	.35	C			4.0	+4.6	+8.6	142.7		A		97.4
4																
5		0				C			4.8		-4.8		137.9	E	SP 95	
6																
7	S	1320		-0°23'	.67	C			-4.0	-8.8	-12.8		129.9		SP 96	
8																
9	S	750		+0°05'	.15				-4.0	+1.1	-2.9		139.8	-	SP 124 Line 130	94.6
10																
11	S	2640		+0°04'	.12	C			4.0	+3.2	-0.9		141.8	0	SP 97	96.5
12	N	825		-0°11'	.32	C			4.0	+2.6	+6.6	148.4		A		103.1
13																
14	S	495		-0°24'	.70	C			4.0		-16.1		132.3		SP 98	
15																
16	S	1815		-0°47'	1.37	C			-4.0	-24.9	-28.8		119.6		SP 99	
17																
18	S	3135		-0°17'	.50	C			4.0	-15.7	-19.5		128.9	0	SP 100	93.6
19																
20																

TI-588B

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2nd _____

STADIA SURVEY NOTES

AREA NOR-4 STATE or PROVINCE ALASKA PAGE No. 20
 LINE No.(s) 46 PARTY No. 1184 DATE 13 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN WEATHER: Clear, Good 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	SPI10	83.6
2																
3	N	1320		-0°24'	.70	c			+4.0	+9.2	+13.2	114.6		Δ		96.8
4		0				c			9.8		-4.8		109.8	X	SPI11	Use Reciv. Angle Survey
5																
6																
7	S	1320		-0°10'	.29	c			-4.0	-3.8	-7.8		106.8		SPI12	elev. from SPI105
8																
9	S	2640		-0°01'	.03	c			-4.0	-0.8	-4.8		109.8	0	SPI13	92.0
10	N	2640		-0°11'	.50	c			+4.0	+13.2	+17.1	126.9		Δ		107.1
11																
12	N	1320		-0°28'	.81	c			-4.0	-10.2	-14.8		112.1		SPI14	(SPI104?)
13																
14		0				c			6.0		-6.0		120.9	X	SPI15	1105?? 1102-1122?
15																
16	S	165		+0°37'	1.08	c			-2.0	+1.8	-0.2		126.7	0		Top stake to center Hi = Top 6' Stake To Center Stake From Top -1.0
17																
18																
19																108.7
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 21
 LINE No.(s) 46 PARTY No. 1184 DATE 13 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN WEATHER: Good 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																128.9
2																
3	N	1155		10°01'	0.03	C			2.0	-0.3	+1.7	128.4		Δ		110.6
4		0				C			4.8		-4.8		123.6	X	SP106	
5																
6																
7	S	1320		-0°16'	47	C			4.0	-6.2	-10.1		118.3		SP107	
8																
9	S	2640		10°05'	15	C			4.8	+4.0	-1.0		127.4	⊙	SP108	NZ-178 +00.0 ^{109.6}
10	N	2640		10°07'	21	C			4.8	-5.5	-0.6	126.8		Δ		Center Target ^{109.0}
11																
12		1320		-0°55'	60	C			4.0	-7.9	-25.1		101.7		SP109	
13																
14		0				C			4.8		-4.8		122.0	X	SP110	
15																
16	S	1320		-0°32'	93	C			4.0	-12.3	-16.3		110.5		SP111	
17																
18	S	2640		10°04'	12	C			4.0	+3.2	-0.9		125.9	⊙	SP112	108.1
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 22
 LINE No.(s) 46 PARTY No. 1184 DATE 13 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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	SP112	108.1
2																
3	✓	825		-0°16'	2.21	C			4.0	+18.2	+22.2	148.1		Δ		130.3
4																
5		0				C			4.8		-4.8		143.3	X	SP112	180 N2+825
6																Hi-Center Target
7	S	895		-0°12'	2.09	C			4.0	-10.3	-14.4		133.7		SP113	
8																
9		1815		-0°01'	1.03	C			4.0	-0.5	-4.5		143.6	0	SP114	125.8
10	N	2640		-0°20'	1.58	C			4.0	+15.3	+19.4	163.0		Δ		145.2
11																
12	N	1320		-0°32'	1.51	C			4.0	-19.9	-24.0		139.0		SP115	
13																
14		0				C			4.8		-4.8		158.2	X	SP116	
15																
16	S	1320		-0°37'	1.08	C			4.0	-14.3	-18.2		144.8		SP117	
17																
18	S	2640		-0°17'	1.50	C			4.0	-13.2	-17.1		145.9	0	SP118	128.1
19																
20																

TI-588B

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2nd

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 23
 LINE No.(s) 46 PARTY No. 1184 DATE 13 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN WEATHER: Good 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														0.9118		128.1
2																
3	N	1485		-9°21'	2.36	C			+4.0	+35.0	+39.0	184.9		Δ		167.1
4																
5	N	165		-01°18'	2.27	C			-4.0	-3.7	-2.7		177.2		SP119	
6		0														
7						C			4.8		-4.8		180.1	π		
8																
9	S	1155		-0°49'	1.43	C			-4.0	-16.5	-20.5		164.4	0.5120		142.6
10	N	825		10°20'	1.58	C			+4.0	-4.8	-0.8	157.4		Δ		145.8
11																
12		0				C			4.8		-4.8		152.6	π		
13																
14	S	495		-02°25'	4.21	C			-4.0	-20.8	-24.9		132.5	SP121	worked back	
15																
16	S	1815		-0°43'	1.25	C			-4.0	-22.7	-26.7		130.7	SP122	from	
17																N2-183
18	S	3135		-0°16'	1.47	C			-4.0	-14.7	-18.6		138.8	0.5123		127.2
19																
20																

TI-558B

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 24
 LINE No.(s) 46 PARTY No. 1184 DATE 13 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1														Q	SP123	127.2
2																
3	N	2145		+0°07'	.21	C			+4.0	-4.5	-0.4	138.4		A		WORKED BACK 122.8
4																
5	N	025		-0°29'	.84	C			-4.0	-6.9	-11.0		127.4		SP124	
6																
7		0	-			C			4.0		-4.8		133.6	X	#8	
8																
9	S	495		-0°54'	1.57	C			-4.8	-7.0	-12.6		125.8	Q	SP125	N2-183 + 00.0 119.2
10	N	1320		+0°04'	.12	C			+4.8	-1.6	+3.3	129.1		A		Center Target 117.5
11																(Elev. from Recip. Angles)
12		0	-			C			4.8		-4.8		124.3	X	SP126	
13																
14	S	1320		-0°18'	.52	C			-4.0	-6.9	-10.9		118.2		SP127	
15																
16	S	2640		-0°12'	.35	C			-4.0	-9.2	-13.2		115.9	Q	SP128	104.3
17																
18																
19																
20																

TI-558B

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STADIA SURVEY NOTES

AREA MPR-4 STATE or PROVINCE ALASKA PAGE No. 25
 LINE No.(s) 46 PARTY No. 1184 DATE 13 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN WEATHER: Clear, Good P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD			
1														①	SP128	104.3
2																
3	N	2640		-0°12'	.35	C			+4.0	+9.2	+13.2	129.1		Δ	S	117.5
4																
5	N	1920		-0°24'	.70	C			-4.0	-9.2	-13.2		115.9		SP129	
6																
7		0	-			C			4.8		-4.8		124.3	Δ	SP130	
8																
9	S	825		+0°20'	.50	C			-2.0	+4.8	+2.8		131.9	①		120.3
10	N	495		-0°19'	.55	C			-2.0	+2.7	+4.7	136.6		Δ		125.0
11																
12		0	-			C			4.8		-4.8		131.8	Δ	SP131	
13																
14	S			+0°10'		C			4.8						-	N2 SP131 +
15																
16	S	1320		-0°06'	.18	C			-6.0	-2.4	-8.3		128.3		SP132	
17																
18	S	2640		+0°05'	.15	C			-4.0	+4.0	+0.2		136.8	①	SP133	125.2
19																
20																

TI-588B

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 26
 LINE No.(s) 46 PARTY No. 1184 DATE 13 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																125.2
2																
3	N	495		-0°15'	2.18	C			4.0	+10.8	+14.8	151.6		Δ		140.0
4																
5	S	825		+0°21'	.61	C			4.0	+3.0	+1.0	152.6		0	sp134	141.0
6	N	1320		-0°19'	.53	C			4.0	+7.3	+11.3	153.9		Δ		152.3
7																152.3
8		0	-			C			4.8		-4.8		149.1	π	sp135	152.6
9																
10	S	1320		+0°02'	.06	C			4.0	+0.8	-3.2		150.7	0	sp136	149.1
11	N	825		-0°25'	.73	C			4.0	+6.0	+10.0	160.7		Δ		159.1
12	S	495		+0°32'		C			4.0		-17.2		143.5		sp137	
13																
14	S	1015		-0°06'	.18	C			4.8	-3.3	-8.0		152.7	0	sp138	Center Target N2-186 151.1
15	N	1320		+0°11'	2.07	C			5.8	-27.3	-21.5	136.1		Δ		Top Target 152.6
16																
17		0	-			C			4.8		-4.8		131.3	π	sp139	+1.0 Center to Top N2-187 00.0
18																
19	S	1320		-0°05'	.15	C			4.0	-2.0	-5.9		130.2	0	sp140	
20																

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Elev. from Recip Survey

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 27
 LINE No.(s) 46 PARTY No. 1184 DATE 13 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone 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			INST.	ROD			
1															129.6
2															
3	S	2640		+0°01'	.03	C		-4.0	+0.8	-5.2		132.9	○	SP41	126.4
4	NH	2640	-			C		-4.0	+4.0	+4.0	130.9		Δ		132.4
5															
6	NH	1320		-0°04'	.12	C		-4.0	-1.6	-5.5		131.4		SP42	
7															
8		6	-			C		4.8		4.8		132.1	X	SP43	
9															
10	S	1320		+0°36'	1.05	C		-4.0	+13.9	+9.8		146.7		SP44	
11															
12	S	1500		+0°50'	1.45	C		-4.0	+21.8	+17.8		154.7	○		148.2
13	N	789		+01°01'	1.77	C		+4.0	-14.1	-10.2	144.5		Δ		138.0
14															
15		0	-			C		4.9		-4.9		139.6	X	SP44 + 979	N2-190
16															
17	E	312		+0°11'	.32	C		-4.0	-1.0	-5.0		139.5	-	SP396 Line #38	133.0
18															
19	W	1008		+0°09'	.26	C		-4.0	+2.6	-1.4		143.1	-	SP397 Line #38	
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 28
 LINE No.(s) 46 PARTY No. 1184 DATE 13 Day 3 Mo 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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			INST.	ROD			
1															
2															138.0
3	S	341		-0°08'	.23	C		-4.0	-0.8	-4.8		139.7		SP145	
4															
5	S	1661		-0°02'	.06	C		-4.0	-1.0	-5.0		139.5		SP146	133.0
6	N	825		-0°55'	1.60	C		-4.0	+13.2	+17.2	146.9				132.2
7															
8	S	465		+0°03'	.09	C		-4.0	+0.4	-4.4		142.5		SP147	140.0
9															
10	S	495		-0°10'	.29	C		-4.0	-1.4	-5.4		141.5		Center Target SP147	
11	N	2475		-0°10'	.29	C		-4.0	+7.2	+11.2	152.7				144.0
12															152.0
13	N	1155		-0°44'	1.28	C		-4.0	-14.8	-18.8		133.9		SP148	Elev. from Recp. Survey
14															
15		0				C		4.8		-4.8		147.9		SP148 + 1155 N2-194	
16															
17															
18															
19	S	165		-01°21'	2.36	C		-4.0	-3.9	-7.9		144.8		SP149	Hi = Top Target Center target to Top Target 1.0
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 29
 LINE No.(s) 46 PARTY No. 1184 DATE 13 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Clear, Good 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																156.0
2																
3	S	1485		-0°39'	1.14	C			4.0	-16.9	-20.9		131.8		SP150	
4																
5	S	2805		-0°25'	0.73	C			4.0	-20.5	-24.4		128.3		SP151	131.6
6	N	2145		-0°16'	.47	C			4.0	+10.1	+14.0	142.3		A		145.6
7																
8	N	825		-0°27'	.79	C			4.0	-6.5	-10.5		131.8		SP152	
9																
10	S	495		-0°59'	1.72	C			4.0	-8.5	-12.5		129.8		SP153	
11																
12	S	1815		-0°98'	.52	C			4.0	-9.4	-13.5		128.8		SP154	132.1
13	N	2640		-		C			4.0		+4.0	132.8		A		136.1
14		26		-		C			4.0							
15	N	1320		-		C			4.0		-4.0		128.8		SP155	
16																
17		0		-		C			4.8		-4.8		120.0		SP156	
18																
19		1320		-0°08'	.23	C			4.0	-3.0	-7.1		125.7		SP157	
20																

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2nd _____

STADIA SURVEY NOTES

AREA NP R-4 STATE or PROVINCE ALASKA PAGE No. 30
 LINE No.(s) 46 PARTY No. 1184 DATE 13 ~~th~~ Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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	Correction	Center Hair			INST.	ROD			
1																126.1
2																
3	S	2640		+0°06'	.18	C			-4.0	+4.8	+0.6		133.4	⊙	SP158	126.7
4	N	1320		-0°24'	.70	C			+4.0	+9.2	+13.2	146.6		Δ		149.9
5																
6		0	-			C			4.8		-4.8		141.8	π	SP159	
7																
8	S	1320		-0°20'	.58	C			-4.0	-7.7	-11.7		134.9	⊙	SP160	149.2
9	N	1320		-0°31'	1.08	C			+4.0	+12.3	+18.2	153.1		Δ		156.4
10																
11		0	-			C			4.0		-4.0		149.1	π	SP161	
12																
13	S	1320		-0°20'	.58	C			-4.0	-7.7	-11.7		141.4	⊙	SP162	149.7
14	N	825		-0°55'	1.60	C			+4.0	+13.2	+17.2	158.6		Δ		161.9
15																
16	S	495		+0°03'	.09	C			-4.0	+0.4	-3.6		155.0	⊙	SP163	158.3
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 31
 LINE No.(s) 46 PARTY No. 1184 DATE 14 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Fair 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														○	SP163	158.3
2																
3	N	495		-0°31'	.90	C			+4.0	+4.5	+8.5	163.5		Δ		166.8
4																
5	S	825		-0°42'	1.22	C			-4.0	-10.1	-14.1		149.4		SP164	
6																
7	S	1675		-0°13'	.38	C			-4.0	-5.4	-10.3		153.2	○		156.5
8	N	1790		+0°28'	.81	C			+4.0	+14.5	+10.6	142.6		Δ		145.9
9																
10	N	1320		+0°03'	.09	C			-4.0	+1.2	-2.8		139.8		SP165	
11																
12		0	-			C			4.8		-4.8		137.8	π	SP166	
13																
14	S	1320		-0°02'	.06	C			-4.0	-0.8	-4.8		137.8		SP167	
15																
16	S	2640		+0°26'	.76	C			-4.0	+20.1	+16.0		158.6	○	SP168	161.9
17	N	165		-0°23'	2.71	C			+4.0	+4.5	+8.5	167.1		Δ		170.4
18																
19	S	1155		-0°14'	.41	C			-4.0	-4.7	-8.7		158.4		SP169	
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 32
 LINE No.(s) 46 PARTY No. 1184 DATE 14 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																170.4
2																
3	S	2475	-			C			4.0	-4.0			163.1	0	SP170	166.4
4	N	2640		+0°16'	.47	C			+4.0	-12.4	-8.3	154.8		A		158.1
5																
6	N	1320	-			C			4.0	-4.0			163.1		SP171	
7																
8		0				C			4.8	-4.8			162.3	X	SP172	
9																
10	S	1320		-0°09'	.26	C			-4.0	-3.4	-7.5		159.6		SP173	
11																
12	S	2640		-0°05'	.15	C			-4.0	-4.0	-7.8		159.3	0	SP174	150.3
13	N	2640		+0°10'	.29	C			+4.0	-7.7	-3.7	155.6		A		146.6
14																
15	N	1320		-0°05'	.15	C			-4.0	-2.0	-5.9		149.7		SP175	
16																
17		0	-			C			4.8	-4.8			150.8	X	SP176	
18																
19	S	1320		+0°03'	.09	C			-4.0	+1.2	-2.8		152.8	0	SP177	143.8
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 33
 LINE No.(s) 46 PARTY No. 1184 DATE 14 Day 3 Mo. 74 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: FAIR 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														0	SP177	143.8
2																
3	N	2145		+0°18'	.52	C			14.0	+11.2	+15.2	168.0		A		159.0
4																
5	N	825		-0°51'	1.48	C			-4.0	-12.2	-16.2		151.8		SP178	
6																
7	S	495		-0°20'	.58	C			-4.0	-2.9	-6.9		161.1		SP179	
8																
9	S	1815		-0°09'	.26	C			-4.0	-4.7	-8.8		159.2	0	SP180	150.2
10	N	2640		+0°14'	.41	C			14.0	-10.8	-6.8	152.4		A		143.4
11																
12	N	1320		-0°01'	.03	C			-4.0	-0.4	-4.4		148.0		SP181	
13																
14		0				C			4.8		-4.8		147.6	X	SP182	
15																
16	S	1320		-0°03'	.09	C			-4.0	-1.2	-5.2		147.2		SP183	
17																
18	S	2640		-0°02'	.06	C			-4.0	-1.6	-5.5		146.9	0	SP184	137.9
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 34
 LINE No.(s) 46 PARTY No. 1184 DATE 14 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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														○	SP184	132.9
2																
3	N	2640		0°03'	.09	C			+4.0	+2.4	+6.3	153.2		Δ		144.2
4																
5	N	1320		0°05'	.15	C			-4.0	-2.0	-5.9		142.3		SP185	
6																
7		0							4.8		-4.8		148.4	π	SP186	
8																
9	S	1320		0°04'	.12	C			-4.0	-1.6	-5.5		147.7		SP187	
10																
11	S	2640		0°02'	.06	C			-4.0	-1.6	-5.5		147.7	○	SP188	138.7
12	N	1320		0°03'	.09	C			+4.0	+1.2	+5.2	152.9		Δ		143.9
13																
14		0				C			4.0		-4.0		148.9	π	SP189	
15																
16	S	1320		0°32'	.93	C			-4.0	+12.3	+8.3		161.2		SP190	
17																
18	S	2145		02°16'	3.95	C			-4.0	+84.7	+80.8		233.7	○		224.7
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 35
 LINE No.(s) 46 PARTY No. 1184 DATE 15 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Cold, Clear 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																224.0
3	N	495		-01°11'	2.07	C			+4.0	+10.2	+14.2	228.8		A		224.0
4																
5		0				C			4.8		-4.8		224.0	X		N2-200
6																SP SP191 +00.0
7	S	1075		+0°18'	.52	C			-4.8	+5.6	+0.8		229.6	⊙		H. = Center Target
8	N	1565		+01°14'	2.15	C			+4.8	-33.6	-28.9	200.7		A		Center Target
9																N2-201
10	N	1320		+0°29'	.84	C			-4.0	+11.1	+7.1		207.8		SP192	ELEV FROM
11																RECIP. SURVEY
12		0	-			C			4.8		-4.8		195.9	X	SP193	
13																
14	S	1320		-0°14'	.41	C			-4.0	-5.4	-9.4		191.3		SP194	
15																
16	S	2640		-0°08'	.23	C			-4.0	-6.1	-10.1		190.6	⊙	SP195	220.7
17	N	2245		-0°05'	.15	C			+4.0	+2.7	+6.6	197.2		A		207.3
18																
19	N	225	495	-0°16'	.47	C			-4.0	-2.3	-6.3		190.9		SP196	
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 36
 LINE No.(s) 46 PARTY No. 1184 DATE 15 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Cold, Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																
2	S	825		-0°49'	1.43	C			-6.0	-11.8	-17.8		179.4		SP197	TOP 6th Stake ^{207.3}
3																
4	S	1650		+01°25'	2.47	C			-2.0	+40.2	+38.9		236.0	⊙		^{246.1}
5	N	495		-0°18'	1.52	C			+2.0	+2.6	+4.6	233.1		Δ		^{250.7}
6																
7		0				C			4.8		-4.8		228.3	⊗	SP198	
8																
9	N	165		-0°06'	.18	C			-4.8	-0.3	-5.1		228.0	-	N ² SP198 + 1155 TP	
10																Center Target
11	S	1320		-0°14'	.41	C			-4.0	-5.4	-9.4		223.4		SP199	
12																
13	S	2640		+0°08'	.23	C			-4.0	+6.1	+2.1		235.2	⊙	SP200	^{252.8}
14	N	2640		+0°25'	.15	C			+4.0	-4.0	+0.2	236.4		Δ		^{253.0}
15																
16	N	1320		+0°08'	.23	C			-4.0	+3.0	-0.9		234.6	⊗	SP201	N2-202
17																
18		0				C			4.8		-4.8		230.6	⊗	SP202	N2-203
19																N2- Center Tar
20	S	1320		-01°45'	3.05	C			+4.0	-40.3	-44.3		231.1		SP203	

TI-5588

WORKED BY _____

CHECKED BY 1st _____

2nd Elev. from N2-204
worked back

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 37
 LINE No.(s) 46 PARTY No. 1184 DATE 15 Day 3 Mo 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Clear 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																253.0
2	S	2640		-0°54'	1.57	C			-4.0	-41.4	-45.5		189.9	⊙	SP204	N2-204+00.0
3		0				C			15.5		+5.5	195.4		A		(use Elev. from Recip. Survey)
4																213.0
5		1320		-0°39'	1.14	C			-4.0	-1.5	-19.0		176.4		SP205	174.0
6																
7	S	2640		-0°09'	0.26	C			-4.0	-6.9	-10.9		184.5	⊙	SP206	206.0
8													(176.8)			
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

TI-688B

WORKED BY _____ CHECKED BY 1st L. Dunt 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 37-A
 LINE No.(s) 46 PARTY No. 1184 DATE 15 Day 4 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Cold P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																
2													176.4	0		TK SP25
3		0							+5.5		+5.5	181.9		1		SP#205 Line #46
4	W	536			10°51' (140°)				-4.0	+7.9	+4.0	185.9		0		sp # 222 Lin 59 xW
5																203.5
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

TI-558B

WORKED BY _____ CHECKED BY 1st C. D. D. 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 38
 LINE No.(s) 46 PARTY No. 1184 DATE 15 Day 7 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Cold, 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														0	SP206	204.1 192.6
2																
3	N	2145		01°17'	2.24	C			+4.0	+48.0	+52.0	236.5		A		204.1 248.6
4																
5	N 825-24			01°18'	2.22	C			-4.0	-18.7	-2.22		213.8		SP207	
6																
7		0	-			C			4.8		-4.8		231.7		SP207	N 2-206 +825 +
8																
9	S	495		0°13'	.38	C			-4.0	-1.9	-5.9		230.6		SP208	
10																
11	S	1815		+0°7'	.21	C			-4.0	+3.8	-0.3		236.2		SP209	✓ 253.8 198.3
12																
13																
14																
15																
16																
17																
18																
19																
20																

TI-552B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 39
 LINE No.(s) 46 PARTY No. 1184 DATE 16 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Locking Cloud 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													236.2	0	SP269	233.3
2																
3	N	2640		-0°12'	.35	C			+4.0	+9.2	+13.2	249.4		A		247.0
4																244.5
5	N	1320		-0°12'	.35	C			-4.0	-4.6	-8.6		240.8		SP210	
6																
7		0				C			4.8		-4.8		244.6	X	SP211	
8																
9	S	1320		+0°42'	1.22	C			-4.0	+16.1	+12.1		261.5	0	SP212	259.1
10	N	1320		-0°28'	.81	C			+4.0	+10.7	+14.8	276.3		A		258.9
11																258.7
12		0				C			4.8		-4.8		271.5	X	SP213	
13																
14	S	1320		-0°40'	4.65	C			-4.0	-0.6	-65.3		211.0		SP214	
15																
16	S	2640		-0°26'	2.50	C			-4.0	-66.0	-70.0		206.3	0	SP215	203.9
17	N	2145		-0°01'	.03	C			+4.0	+0.6	+4.6	210.9		A		208.5
18																203.0
19	N	825		-0°11'	.32	C			-4.0	-2.6	-6.6		204.3		SP216	
20																

TI-599B

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 40
 LINE No.(s) 46 PARTY No. 1184 DATE 16 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Clear 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			INST.	ROD			
1															
2															
3	S	495		-0°06'	1.92	C		-4.0	-2.5	-13.5		197.4		SP217	
4															
5	S	1815		-0°22'	.64	C		-4.0	-11.6	-15.6		195.3		SP218	
6	N	2640		+0°01'	.03	C		-4.0	-0.8	+3.2	198.5		A		
7															
8	N	1320		-0°13'	.38	C		-4.0	-5.0	-9.0		189.5		SP219	
9															
10		0				C		4.8		-4.8		193.7	X	SP220	
11															
12	S	1320		-0°08'	.23	C		-4.0	-2.0	-2.1		191.4		SP221	
13															
14	S	2640		-0°02'	.06	C		-4.0	+1.6	-2.5		196.0		SP222	
15	N	1320		-0°55'	1.60	C		-4.0	+2.1	+25.1	221.1		A		
16															
17		0				C		4.8		-4.8		216.3	X	SP223	NZ 208 +00.0
18															-1.0 To Center
19															Target
20															

TI-683B

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 11
 LINE No.(s) 46 PARTY No. 1184 DATE 16 Day 7 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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																208.2
2																208.2
3	S	1320		-0°28'	.81	C			-4.0	-1.1	-14.8		206.3		SP224	
4																
5	S	2640		-0°13'	.38	C			-4.0	-10.0	-14.0		207.1	⊙	SP225	208.7
6	N	2640		+0°04'	.12	C			+4.0	-3.2	+0.9	208.0		Δ		209.2 208.0 208.7
7																
8	N	1320		+0°02'	.06	C			-4.0	+0.7	-3.2		204.8		SP226	
9																
10		0				C			4.8		-4.8		203.2	κ	SP227	
11																
12	S	1320		-0°08'	.23	C			-4.0	-2.0	-7.1		200.9		SP228	
13																
14	S	2475 2640		-0°03'	.09	C			-4.0	-2.2	-6.2		201.8	⊙	SP229	
15	N	2640		-0°26'	.76	C			+4.0	+20.1	+24.0	225.8		Δ		
16																
17	N	1320		-0°48'	1.40	C			-4.0	-18.5	-22.4		203.4		SP230	
18																
19		0				C			4.8		-4.8		221.0	κ	SP231	
20																

TI-555B

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2nd

Short Spread
 Between SP 228
 and SP 229 - 165 ft.
 No 1 & T. No 2
 Gr only 165 ft.

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 42
 LINE No.(s) 46 PARTY No. 1184 DATE 16 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ 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	Correc-tion	Center Hair			INST.	ROD			
1																
2	S	495		+0°35'	1.07	C			-4.8	+5.0	+0.2		225.6	0	Sp231	N2- +495 TP
3	N	2145		+0°02'	.06	C			-4.0	-1.3	+2.8	228.4		Δ		210.4 210.7
4																
5	N	1320		-0°01'	0.18	C			-4.0	-2.4	-6.3		222.1	X	Sp233	Sp232
6																
7		0				C			4.8		-4.8		223.6	X	Sp233	
8																
9	S	1320		-0°05'	0.15	C			-4.0	-5.9	-5.9		222.5		Sp234	
10																
11	S	2640		-0°05'	.15	C			-4.0	-4.0	-7.8		220.6	0	Sp235	220.6 220.7
12	N	2640		+0°16'	.47	C			-4.0	-12.4	-8.3	212.3		Δ		220.8 221.8
13																
14	N	1320		-0°02'	0.06	C			-4.0	-0.8	-4.8		207.5		Sp236	
15																
16		0							4.8		-4.8		207.5	X	Sp237	
17																
18	S	1320		-0°05'	0.15	C			-4.0	-2.0	-5.9		206.4		Sp238	
19																
20	S	1320		-0°02'	.06	C			-4.0	-0.8	-4.0		207.5	0	Sp239	207.5 220.0

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 43
 LINE No.(s) 46 PARTY No. 1184 DATE 17 Day 3 Mo. 25 Yr. BOOK No. 4
 SURVEYOR D. STONE RODMAN _____ WEATHER: clear 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			INST.	ROD			
1															
2															
3	N	2640		-0°08'	23	C		+4.0	+6.1	+10.1	229.1		A		228.5 220.0
4															
5	N	1320		-0°16'	0.47	C		-4.0	-6.2	-10.1		219.0		SP240	
6															
7		0	-			C		4.8		-4.8		224.3		SP241	
8															
9	S	1155		+02°07'	3.69	C		-2.0	+42.6	+40.6		269.7		D SP242	276.2 270.7
10	N	660		-01°24'	2.44	C		+2.0	+16.1	+18.1	287.8		A		USE RECV. ANGLE ELEV. 274.3 268.8
11															
12	N	495		-01°34'	2.73	C		-4.0	-13.5	-17.5		270.3		SP242	
13															
14	S	435		+0°06'	.18	C		-4.8	+0.7	-4.1		283.7		O SP242	+0242-209 90°
15	N	245420		+01°15'	2.18	C		+4.8	-9.2	-4.4	279.3		A		280.2 274.7 265.8 260.3
16															
17		0				C		4.8		-4.8		274.5		SP243	
18															
19	S	1320		-03°06'	5.23	C		-4.0	-69.0	-73.0		206.3		SP244	
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 14
 LINE No.(s) A PARTY No. 1184 DATE 17 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D Stone 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		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			INST.	ROD			
1															
2	S	2640		-0°35'	2.76	C		-4.0	-72.9	-76.9		202.4	⊙	SP245	202.0 201.3 201.4 201.7 201.7
3	N	2475		-0°32'	.93	C		+4.0	+23.0	+27.0	220.4		Δ		
4															
5	N	1155		-0°53'	1.54	C		-4.0	-17.8	-21.8		207.6		SP246	
6															
7	S	165		-01°42'	2.97	C		-4.0	-4.9	-8.9		220.5		HE SP247	
8															
9	S 1320	1745		-0°01'	.03	C		-4.0	-0.4	-6.4		223.0	⊙	SP 247+1155	223.5 223.0
10	N	2805		+0°08'	.23	C		+6.0	-6.5	-0.5	222.5		Δ	SP248 TOP Target	222.0 221.5
11															
12	N	2640		+0°03'	0.09	C		-4.0	+2.4	-1.7		220.8		SP248	
13															
14	N	1320		-01°14'	2.15	C		-4.0	-28.4	-32.4		190.1		SP249	
15															
16		0				C		4.8		-4.8		217.7	π	SP250	
17															
18	S	495		+01°41'	2.91	C		-2.0	+14.4	+12.4		224.9	⊙	26	221.4 220.9
19															
20															

TI-559B

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CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 45
 LINE No.(s) 46 PARTY No. 1184 DATE 17 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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														0	2nd Sp	201.4
2	N	1320		-0°51'	1.72	C			+3.6	+22.7	+26.2	261.1		A		Measured top of Pen Flag to Stake stuck in top Pen Flag +1.6
3																
4																
5																
6																
7	N	495		-0°58'	1.69	C			-4.0	-8.4	-12.3		248.8		Sp251	
8																
9		0				C			4.3		-4.8		256.3	X	Sp251	N2-210
10																
11	S	330		-0°22'	.64	C			-4.0	-2.1	-6.1		255.0	⊙		AI = Top Tar. 201.5
12																
13	N	1455		+0°07'	.21	C			+4.0	-3.1	+1.0	256.0		A		Top Target To Center Tar = -1.0
14																
15	N	990		-01°11'	2.07	C			-4.0	-2.0	-24.4		231.6		Sp252	
16																
17	S	330		-01°18'	2.27	C			-4.0	-0.7	-11.5		244.5		Sp253	
18																
19	S	1656		+0°03'	.09	C			-4.0	+1.5	-2.6		253.4	⊙	Sp254	259.9
20																

TI-598B

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 46
 LINE No.(s) 46 PARTY No. 1184 DATE 17 Day 6 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ 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	Correc-tion	Center Hair			INST.	ROD			
1														①	SP254	259.9 259.7
2																
3	N	1320		-0°43'	1.25	C			4.0	+16.5	+20.5	273.9		Δ		260.4 259.7
4																
5		0				C			4.8	-4.8			269.1	Δ	SP255	
6																
7	S	950		-0°05'	.15	C			-4.0	-1.3	-5.2		268.7	①		255.2 249.7
8	N	2030		+0°54'	1.57	C			4.0	-31.9	-27.9	240.8		Δ		251.8 241.8
9																
10	N	1560		-0°45'	1.31	C			-4.0	-20.4	-24.4		216.4		SP256	
11																
12	N	240		-07°17'	12.58	C			-4.0	-30.2	-34.2		206.6		SP257	
13																
14	S	1080		-01°02'	1.80	C			4.0	-19.4	-23.5		217.3		SP258	
15																
16	S	2400		+0°49'	1.43	C			-4.0	+34.3	+30.2		221.0	①	SP259	277.5 272.0
17																
18																
19																
20																

TI-600B

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STADIA SURVEY NOTES

AREA NPR - A STATE or PROVINCE ALASKA PAGE No. 47
 LINE No.(s) 46 PARTY No. 1184 DATE 17 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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																27.5
2																27.0
3	N	2145		-0°46'	1.34	C			+4.0	+28.7	+32.7	303.7		A		310.2
4																24.7
5	N	825		-01°17'	0.50	C			-4.0	-4.1	-22.5		281.2		SP260	
6																
7		0				C			4.8		-4.8		298.9		X SP260	*025 N2-211
8																Hi - To Center
9																Tar - 1.0
10	S	495		-0°39'	1.14	C			-4.0	-5.6	-9.6		294.1		O SP261	300.6
11	N	404	52	-0°36'	1.05	C			+4.0	-7.9	-3.9	290.2		A		297.1
12		0				C			4.8		-4.8		285.4		X SP261	N2-212
13																+404 752 P. 100.9
14	E	404		-01°31'	2.65	C			-4.0	-10.7	-14.7		295.5		- SP251	-1.8 To Center Target
15																Line 63
16	N	916		-0°41'	1.19	C			-6.0	+10.9	+4.9		295.1		- SP 252	" "
17																TOP 641 Stake
18																
19	S	568	976	-0°24'25"	.73	C			-4.0	+4.1	+0.1		290.3		O SP262	291.3
20																

TI-558B

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CHECKED BY 1st L. Dink

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 48
 LINE No.(s) 46 PARTY No. 1184 DATE 18 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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														0	SP262	
2																
3	N	2640		-0°11'	.32	C			+4.0	+8.4	+12.4	302.7		A		
4																
5	N	1320		-0°05'	0.15	C			-4.0	-2.0	-5.9		296.8		SP263	
6																
7		0				C			4.0		-4.0		298.7	X	SP264	
8																
9	S	1320		+0°06'	.18	C			-4.0	+2.4	-1.7		301.0	0	SP265	N2 - +100.0
10																Top of stake to Center +1.1
11																
12	N	1075		+0°18'	.52	C			+4.0	-5.4	-1.5	299.5		A		Long Int. Between
13																SP265 - 266
14	S	440		-03°19'	5.78	C			-4.0	-25.4	-29.4		270.1		SP266	No 1 to No 2
15																
16	S	1760		-01°07'	1.95	C			-4.0	-34.3	-38.3		261.2	0	SP267	Sp 425 H.
17																
18																
19																
20																

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AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 47
 LINE No.(s) 46 PARTY No. 1184 DATE 18 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Clear P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1														0	SP267	
2																
3	N	2145		-01°14'	2.15	C			+4.0	+46.1	+50.2	311.4		Δ		
4																
5	N	825		-03°12'	5.58	C			-4.0	-46.1	-50.0		261.4		SP268	
6																
7	S	495		0°24'	.70	C			-4.0	-3.5	-7.5		303.9		SP269	N2- 100.0
8																
9	S	1320		-0°20'	.50	C			-4.0	-7.7	-12.5		298.9	0	SP269	Center Target
10																
11	N	1815		-0°12'	.35	C			+4.8	+6.4	+11.1	310.0		Δ		N2- 100.0
12																
13	N	1320		-0°32'	.93	C			-4.0	-12.3	-16.3		293.7		SP270	
14																
15		0	-			C			4.8		-4.8		305.2	π	SP271	
16																
17	S	495		+01°07'	1.95	C			-2.0	+9.7	+7.6		317.6	0		
18																
19																
20																

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AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 50
 LINE No.(s) 46 PARTY No. 1184 DATE 18 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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	N 33° 00' 00"	47.06'		-01° 06'	1.92	C			2.0	+6.3	+8.3	325.9		Δ		
4																
5	S	495		-0° 30'	.87	C			4.0	-4.3	-8.3		317.6	Δ	SP272	
6																
7	S	1815		-0° 25'	.73	C			4.0	-13.2	-17.2		308.7	⊙	SP273	
8	N	2145		-0° 24'	.70	C			4.0	+15.0	+19.0	327.7		Δ		
9																
10	N	825		-0° 27'	.79	C			4.0	-6.6	-10.5		317.2		SP274	
11																
12	S	495		-0° 41'	1.19	C			4.0	-5.9	-9.9		317.8		SP275	
13																
14	S	1815		-0° 20'	.58	C			4.0	-10.5	-14.6		312.1	⊙	SP276	
15	N	1320		-0° 33'	.96	C			4.0	+12.7	+16.7	329.8		Δ		
16																
17	N	0				C			4.0		-4.8		325.0	X	SP277	
18																
19	S	1320		-0° 03'	.09	C			4.0	-1.2	-5.2		324.6	⊙	SP278	
20																

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AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 51
 LINE No.(s) 46 PARTY No. 1184 DATE 18 Day 3 Mo. 75 Yr. BOOK No. 4
 SURVEYOR D Stone 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														0	SP278	
2																
3	N	2640		-0°10'	29	C			4.0	+7.7	+11.7	336.3		Δ		
4																
5	✓	1320		-0°32'	93	C			4.0	-12.3	-16.3		320.0		SP279	
6																
7		0	-			C			4.8		-4.8		331.5	X	SP280	N2-219 +100.0
8																
9	S	1320		-0°15'	44	C			4.0	-5.8	-9.8		326.5		SP281	TOP Stake Center Target +1.6
10																
11	S	2640		-0°01'	03	C			4.0	-0.8	-4.8		331.5	0	SP282	
12	N	1815		+0°11'	0.32	C			4.0	-5.8	-1.8	329.7		Δ		
13																
14	N	495		-0°04'	12	C			4.8	-0.6	-5.4		324.3	-	SP283	N2-221 +100.0 Center Target P.P.O
15																
16		0	-			C			4.8		-4.8		324.9	X	Trail #2	
17																
18	S	1950		-0°58'	1.49	C			6.0	-33.5	-39.4		240.3	0	#8	TOP 6ft. Stake
19																
20																

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AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 52
 LINE No.(s) 44 PARTY No. 1184 DATE 10 Day 3 Mo. 73 Yr. BOOK No. 4
 SURVEYOR D. Stone RODMAN _____ WEATHER: Good 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														0	908	
2																
3	N 5	2640		0°14'	.41	C			12.0	+10.8	+16.8	307.1		Δ		
4																
5	S	2640		0°01'	.03	C			-4.8	+0.8	-4.0		307.1	0	9248	N2-222 Eol. 46 Center target
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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