

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 1
 LINE No.(s) 56 PARTY No. 1182 DATE 3 Day 2 Mo. 76 Yr. BOOK No.
 SURVEYOR W. Helander 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.		
1														
2														
3														
4	E	22,193		89°59'21"		(.02)		4.4	10.1	+9.9			TRMB	X
5	SW	10,847		89°57'37"		(.07)		3.8	8.5	-1.0			Δ TRMB	
6	E	2640		90°02'37"		(.08)		6.0					○	101
7	"	1320		90°06'35"		(.20)		3.8		+5.8	40.0		Δ	
8								3.8		-6.3				102
9	W	1320						5.2			39.5		-	102
10	"	2640		89°59'15"		(.02)		7.0			40.6		-	104
11	E	"		90°02'53"		(.09)		7.0		-6.4	38.8		-	104
12	"	1320						7.0		-1.6	39.4		○	105
13								3.8		+6.2	45.4		Δ	105
14	W	1320		89°25'10"		(.02)		5.2			39.4		-	106
15	E	"		89°31'40"		(.74)		5.2			40.2		-	107
16	W	1320		89°25'10"		(.02)		5.2		+6.4	45.9		Δ	108
17	E	"		89°31'40"		(.74)		3.8		-5.9	51.8		○	108
18	W	1320						5.2			40.6		-	109
19	"	2640		89°59'14"		(.02)		7.0		-1.6	40.6		-	110
20	"	"		90°02'06"		(.06)		7.0		+5.8	39.5		○	111
21	"	1320						5.2			40.9		-	112

WORKED BY _____ CHECKED BY 1st Myers 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 4
 LINE No.(s) 56 PARTY No. 1182 DATE 3 Day 2 Mo. 76 Yr. BOOK No.
 SURVEYOR W. Helander 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												52.2				
3	W	1320	89°46'20"			(.40)			7.0		-1.8	50.4	-	142		
4	"	2640	89°55'40"			(.13)			7.0	-3.7	-3.8	48.5	⊙	143		43.0
5	E	"	90°27'00"			(.79)			3.8	+24.5	+24.7	73.0	Δ	-		69.0
6	"	1320	90°36'00"			(1.05)			3.0		-16.0	56.2	-	144		
7								HI	5.1			67.9		145	κ	
8	W	1320	90°00'00"						7.0			66.0	-	146		
9	"	2640	90°00'15"			(.01)			7.0	-7.2	-7.3	65.8	⊙	147		62.4
10	E	"	89°34'20"			(.75)			3.8	-15.9	-15.8	49.9	Δ	-		46.6
11	"	1320	89°34'20"			(.75)			3.8		+6.1	56.0	-	148		
12								HI	5.2			44.7		149	κ	
13	W	1320	90°16'41"			(.49)			7.0		-11.4	36.5	-	150		
14	"	2640	90°12'25"			(.36)			7.0	-16.5	-16.7	33.4	⊙	151		29.0
15	E	"	90°29'55"			(.29)			4.0	+11.6	+11.8	45.0	Δ	-		40.0
16	"	1320	90°20'45"			(.60)			4.0		-12.0	33.0	-	152		
17								HI	5.2			40.0		153	κ	
18	W	825	89°34'40"			(.74)			4.0		+2.1	47.1	⊙	153 + 825		43.8
19	E	495	89°23'20"			(.07)			4.0		+1.3	45.8	Δ	-		42.8
20	W	1320	90°20'15"			(.59)			4.0		-11.8	39.0	-	154		

TI-588B HI 5.1 40.7 154 κ
 WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 3
 LINE No.(s) 56 PARTY No. 1182 DATE 3 Day 2 Mo. 76 Yr. BOOK No.
 SURVEYOR W. Helander 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		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2																
3	E	2640	90°03'20"			(.10)			3.8	+6.4 +4.5	47.9	43.5	Δ			46.6
4	"	1320	90°05'00"			(.15)			3.8	-5.7		44.2	-	128		
5									5.3			44.6	-	129	π	
6	W	1320	89°58'00"			(.06)			7.0	-6.2		43.7	←	130		
7	"	2640	89°59'00"			(.03)			7.0	-6.2 -6.0		43.7	○	131	on lake	40.2
8	E	2640	90°09'07"			(.26)			3.8	+10.8 +10.7	54.5		Δ			50.1
9	"	1320										43.7	-	132	on lake	
10									5.3			49.2	-	133	π	
11	W	1320	90°03'15"			(.10)			7.0	-8.2		46.3	-	134		
12	"	2640	90°01'38"			(.05)			7.0	-8.3 -8.4		46.2	○	135		42.9
13	E	"	90°00'45"			(.02)			3.8	+4.4 +4.5	50.6		Δ			47.2
14	"	1320	90°04'30"			(.14)			3.8	-5.5		45.1	-	136		
15									5.2			45.4	-	137	π	
16	W	1320	89°56'00"			(.12)			7.0	-5.5		45.1	-	138		
17	"	2640	89°55'42"			(.13)			7.0	-3.7 -3.8		46.9	○	139		43.4
18	E	"	90°01'55"			(.06)			3.8	+5.3 +5.7	52.2		Δ			46.8
19	"	1320	90°00'40"			(.02)			3.8	-4.1		48.1	-	140		
20									5.3			46.9	-	141	π	

TI-588B

WORKED BY

CHECKED BY 1st *G. Myers*

2nd

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 2
 LINE No.(s) 56 PARTY No. 1182 DATE 2 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR W. Helander 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.		
1														
2														
3											44.9			
4	W	1320	89° 56' 24"		(.11)					-5.6	39.7	-	113	π
5	"	2640	89° 56' 36"		(.10)					-4.4 -4.5	39.3	-	114	
6	E	"	90° 02' 17"		(.07)					+5.6 +5.7	40.5	⊙	115	on lake 37.1
7	"	1320									46.1	Δ		42.9
8											40.5	-	116	on lake
9	W	1320	89° 53' 26"		(.20)						40.8	-	117	π
10	"	2640	89° 59' 16"		(.02)					-4.5	41.6	-	118	
11	E	"	90° 02' 53"		(.09)					-6.4 -6.6	39.7	⊙	119	36.2
12	"	1320	90° 04' 51"		(.15)					+6.0 +6.2	45.7	Δ		42.7
13											40.0	-	120	
14	W	1320	89° 50' 30"		(.27)						40.4	-	121	π
15	"	2640	89° 52' 36"		(.21)					-3.4	42.3	-	122	
16	E	"	90° 02' 15"		(.07)					-1.3 -1.5	44.4	⊙	123	40.9
17	"	1320	90° 04' 20"		(.13)					+5.5 +5.7	49.9	Δ		42.6
18											44.4	-	124	
19	W	1320								-5.5	44.6	-	125	π on lake
20		2640	89° 59' 10"		(.03)						44.6	-	126	on lake
											43.5	⊙	127	42.7

TI-688B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 5
 LINE No.(s) 56 PARTY No. 1182 DATE 4 Day 2 Mo. 76 Yr. BOOK No.
 SURVEYOR W. Helander RODMAN WEATHER: P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2															
3	W	2640	90°	10'20"		(.30)		4.0	-11.9	-12.1	45.8	33.9	⊙	156	
4	E	"	90°	03'10"		(.10)		4.0	+6.4	+6.6	40.3		Δ		30.0
5	"	1320	90°	08'45"		(.25)		4.0	-7.4	-7.4		32.9	-	157	
6			90°	13'20"			HI	5.2				35.1	-	158	π
7	W	1320	90°	13'20"		(.39)		4.0		-9.1		31.2	-	159	
8	"	2640	90°	05'00"		(.15)		4.0	-7.8	-8.0		32.5	⊙	160	39.0
9	E	"	89°	57'15"		(.08)		4.0	+1.9	+2.0	39.4		Δ		31.0
10	"	1320	89°	58'20"		(.05)		4.0		-3.4		31.0	-	161	
11							HI	5.2				29.2	-	162	π
12	W	1320	90°	04'40"		(.14)		4.0		-5.8		28.6	-	163	
13	"	2640	89°	59'50"		(.01)		4.0	-3.9	-4.0		30.5	⊙	164	27.0
14	E	"	90°	05'30"		(.17)		4.0	+8.2	+8.4	38.7		Δ		35.4
15	"	1320	90°	03'20"		(.10)		4.0		-5.3		33.4	-	165	
16							HI	5.2				33.5	-	166	π
17	W	1320	90°	06'15"		(.19)		4.0		-6.4		32.3	⊙	167	29.0
18	E	"	90°	07'00"		(.20)		4.0		+6.7	39.0		Δ		35.7
19							HI	5.1				33.9	-	168	π
20	W	1320	90°	09'25"		(.27)		4.0		-7.6		31.4	-	169	

71-588B

WORKED BY

CHECKED BY 1st

Handwritten signature

2nd

STADIA SURVEY NOTES

AREA NPR - 4 STATE or PROVINCE Alaska PAGE No. 6
 LINE No.(s) 56 PARTY No. 1182 DATE 4 Day 2 Mo. 76 Yr. BOOK No.
 SURVEYOR W. Helander RODMAN WEATHER: P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			AB.S. OF.S. -S.S.
1																
2																
3	W	2640	90° 05' 00"			(.15)		4.0	-7.8	-8.0	39.0	31.2	⊙	170	↑	
4	E	"	89° 59' 45"			(.01)		4.0	+3.8	+4.0	35.0		Δ			
5	"	1320	89° 59' 45"			(.01)		4.0		-3.9		31.1	-	171		
6							HI	5.1				29.9	-	172		π
7	W	1320	90° 04' 35"			(.14)		4.0		-4.8		29.2	-	173		
8	"	2640	89° 56' 25"			(.11)		4.0	-1.2	-1.4		33.8	⊙	174		52.7
9	E	"	89° 53' 30"			(.20)		4.0	-1.0	-0.8	32.8		Δ			51.9
10	"	1320	70° 06' 25"			(.19)		4.0		-6.5		26.3	-	175		
11			89° 59' 45"				HI	5.2				27.6	-	176		π
12	W	1320	89° 39' 45"			(.59)		4.0		-2.8		36.6	-	177		
13	"	2640	89° 38' 45"			(.62)		7.1	+9.2	+9.1		42.0	⊙	178		61.0
14	E	"	90° 01' 50"			(.06)		4.0	+5.4	+5.6	47.4		Δ			66.6
15	"	1320	90° 11' 05"			(.32)		4.0		-2.3		39.1	-	179		
16							HI	5.2				42.2	-	180		π
17	W	1320	90° 04' 30"			(.14)		4.0		-5.7		41.7	-	181		
18	"	2640	89° 59' 55"			(.00)		4.0		-3.9		43.5	⊙	182		62.5
19	E	"	90° 14' 45"			(.43)		4.0	+15.3	58.8			Δ			78.0
20	"	1320	90° 24' 00"			(.70)		4.0		-12.2		45.6	-	183		

TI-588B

WORKED BY

CHECKED BY 1st *W. Helander*

2nd

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 7
 LINE No.(s) 56 PARTY No. 1182 DATE 4 Day 2 Mo. 76 Yr. BOOK No.
 SURVEYOR W. Holander 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												58.8				
4	W	1320	90°	18'50"		(.55)		HI	5.2			53.6		184	X	
5	"	2640	90°	11'10"		(.33)			4.0		-11.2	47.6	-	185		
6	E	"	90°	05'45"		(.17)			4.0		-12.6 ✓	46.2	⊙	186		65.4
7	"	1320	90°	10'15"		(.30)			4.0		+8.4 ✓	54.6	Δ			77.8
8									4.0		-7.7	46.7	-	187		
9	W	1320	90°	07'10"		(.21)		HI	5.2			49.4		188	X	
10	"	2640	90°	02'45"		(.08)			4.0		-6.8	47.8	-	189		
11	E	"	90°	06'50"		(.20)			4.0		-6.1 ✓	48.5	⊙	190		67.7
12	"	1320	90°	10'50"		(.32)			4.0		+9.2 ✓	57.7	Δ			76.9
13									4.0		-8.2	49.5	-	191		
14	W	1320	89°	54'00"		(.18)		HI	5.2			52.5		192	X	
15	"	2640	89°	53'15"		(.20)			4.0		-1.7	56.0	-	193		
16	E	"	90°	11'00"		(.32)			4.0		+1.2 ✓	58.9	⊙	194		78.1
17	"	1320	90°	07'05"		(.20)			4.0		+12.4 ✓	71.3	Δ			90.5
18									4.0		-6.7	64.6	-	195		
19	W	1320	90°	09'35"		(.28)		HI	5.2			66.1		196	X	
20	"	2640	90°	10'25"		(.30)			4.0		-7.7	63.6	-	197		
									4.0		-12.0 ✓	59.3	⊙	198		78.5

TI-588B

WORKED BY _____

CHECKED BY 1st RAH

2nd _____

STADIA SURVEY NOTES

AREA NPR - 4 STATE or PROVINCE Alaska PAGE No. 8
 LINE No.(s) 56 PARTY No. 1182 DATE 5 Day 2 Mo. 76 Yr. BOOK No.
 SURVEYOR W. Helander RODMAN _____ WEATHER: _____ P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2																
3	E	2640	89°49'35"		(.30)			4.0		-4.0	55.3	59.3	Δ			↑ 74.5
4	"	1320	90°27'00"		(.70)			4.0		-14.4		44.9	-	199		
5									H1	5.2		50.1		200	π	{ 77.4
6	W	1320	89°49'20"		(.31)			4.0		+0.1		55.4	⊙	201		{ 74.6
7	E	825	90°04'41"		(.14)			4.0	+5.1	+5.2	60.6		Δ			79.8
8	"	"	269°55'00"					4.0	+5.2	"			Δ			
9									H1	5.2				201 + 825	π	
10	W	495	92°36'10"		(4.54)			4.0	-28.5	-28.5		32.1	⊙	202		51.3
11	"	"	267°23'40"					6.0	-28.5				⊙			
12	E	825	90°39'10"		(.14)			4.0	+12.4	+13.5	45.6		Δ			64.8
13	"	"	269°20'22"					4.0	+12.5				Δ			
14									H1	5.2		40.4		202	π	+ 825
15	W	495	91°12'27"		(2.10)			6.0	-16.4	-16.4		29.2	⊙	203		48.4
16	"	"	268°47'17"					6.0	-16.5				⊙			
17	E	2640	89°58'35"		(.04)			6.0	+4.9	+5.2	34.4		Δ			53.6
18	"	"	270°00'40"					6.0	+5.5				Δ			
19	"	1320	269°57'00"		(.09)			4.0		-2.8		31.6	-	204		
20									H1	5.2		29.2		205	π	

71-5888

WORKED BY

CHECKED BY 1st *W. Helander*

2nd

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 9
 LINE No.(s) 56 PARTY No. 1182 DATE 5 Day 2 Mo. 76 Yr. BOOK No.
 SURVEYOR W. Helander 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												34.4				^
3	W	1320	89° 46' 00"		(.41)			10.0	-4.6	-4.7		29.7	⊙	206		48.9
4			270° 13' 46"					10.0	-9.7				⊙			
5	E	1320	90° 12' 56"		(.38)			4.0	+9.0	+9.0		38.7	Δ			57.9
6			269° 47' 00"					4.0	+9.0				Δ			
7							H1	5.5				33.2		207	κ	
8	W	1320	89° 38' 36"		(.62)			6.0	+2.2	+2.2		40.9	⊙	208		60.1
9			270° 21' 20"					6.0	+2.2				⊙			
10	E	1320	90° 04' 31"		(.14)			6.0	+7.7	+7.7		48.6	Δ			67.8
11			269° 55' 41"					6.0	+7.7				Δ			
12										-5.3		43.7		209	κ	
13	W	1320	89° 53' 15"		(.20)			4.0	-1.4	-1.5		47.1	⊙	210		66.3
14			270° 06' 20"					4.0	-1.6				⊙			
15	E	1320	90° 20' 10"		(.59)			4.0	+11.7	+11.7		58.8	Δ			78.0
16			269° 39' 58"					4.0	+11.7				Δ			
17							H1	5.3		-5.3		53.5		211	κ	
18	W	1320	89° 59' 05"		(.03)			4.0		-3.8		55.2	-	212		74.2
19	"	2640	89° 58' 07"		(.06)			4.0	-2.6	-2.4		56.4	⊙	213		76.6
20			270° 02' 10"					4.0	-2.3				⊙			

TI-588B

WORKED BY

CHECKED BY 1st APM

2nd

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 10
 LINE No.(s) 56 PARTY No. 1182 DATE 5 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR W. Helander 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	E	3135	89° 59' 00"			(.03)		4.0	+3.1	+3.4	59.8	56.4	Δ			79.0
4			270° 00' 25"					4.0	+3.6				Δ			
5	W	1815	90° 00' 03"			(.00)		4.0		-4.1		55.7	-	214		74.9
6	"	495	91° 40' 53"			(.94)		4.0		-10.5		41.3	-	215		62.5
7								5.2		+5.0		54.6	-	215 + 495	↑	73.0
8	W	825	89° 56' 35"			(.10)		4.0		-3.2		56.6	-	216		75.8
9	"	2145	89° 51' 00"			(.26)		10.5	-4.7	-5.0		54.8	-	217		74.0
10			270° 08' 45"					10.5	-5.0				○			
11	E	2640	90° 05' 00"			(.15)		7.0	+10.8	+10.3	65.1		Δ			84.3
12			269° 56' 22"					7.0	+9.8				Δ			
13	E	1320	90° 18' 46"			(.54)		4.0		-11.2		53.9	-	218		71.2
14								5.2				59.9	-	219	↑	74.7
15	W	1320	90° 18' 53"			(.55)		4.0		-11.3		53.8	-	220		71.0
16	"	2640	90° 05' 28"			(.16)		4.0	-8.2	-8.1		57.0	-	221		76.2
17			269° 54' 43"					4.0	-8.1				○			
18	E	3135	90° 06' 35"			(.20)		7.0	+13.0	+13.3	70.3		Δ			89.5
19			269° 52' 40"					7.0	+13.7				Δ			
20	E	1815	90° 31' 05"			(.90)		4.6		-20.5		49.8	-	222		69.0

TI-888B

WORKED BY _____

CHECKED BY 1st 12/27

2nd _____

STADIA SURVEY NOTES

AREA NPR - 4 STATE or PROVINCE Alaska PAGE No. 11
 LINE No.(s) 56 PARTY No. 1182 DATE 5 Day 2 Mo. 76 Yr. BOOK No.
 SURVEYOR W. Helander 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																89.5
2												70.3				↑
3	E	495	91° 18' 32"		(.29)			4.0		-15.3		55.0	-	223		74.2
4								5.2		-5.2		65.1	-	223 + 495	π	84.3
5	W	825	90° 21' 45"		(.63)			4.0		-9.2		61.1	-	224.		80.3
6	"	2145	90° 08' 30"		(.25)			4.0		-9.3		61.0	⊙	225		80.2
7			269° 51' 29"					4.0		-9.3			⊙			
8	W	2640	89° 57' 13"		(.08)			4.0		+1.9	+1.8	62.8	Δ			82.0
9			270° 02' 56"					4.0		+1.7			Δ			
10	E	1320	89° 58' 20"		(.05)			4.0		-3.4		59.4	-	228		
11								5.2	H1			57.6	-	227	π	
12	W	1320	90° 08' 00"		(.23)			4.0		-7.1		55.7	-	228		
13	"	2640	90° 01' 41"		(.05)			4.0		-5.3	-5.3	57.5	⊙	229		76.7
14			269° 58' 23"					4.0		-5.2			⊙			
15	E	1320	90° 19' 15"		(.56)			4.0		+11.4	+11.4	68.9	Δ			88.1
16			269° 40' 48"					4.0		+11.4			Δ			
17								5.0	H1			63.9	-	230	π	
18	W	1320	90° 16' 15"		(.48)			4.0		-10.2	-10.4	58.5	⊙	231		77.7
19			269° 43' 00"					4.0		-10.5			⊙			
20																

4-5888

WORKED BY _____

CHECKED BY 1st W. Helander

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 12
 LINE No.(s) 56 PARTY No. 1182 DATE 6 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR W. Helandee RODMAN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.		
1														
2														
3	E	2640	89°	57'37"	(.07)		7.0	+5.2	+5.1	63.6	58.5			↑ 82.8
4			270°	02'30"			7.0	+5.1						
5	E	1320	90°	05'00"	(.15)		4.0		-5.9		57.7		232	
6											58.5		233	π
7	W	1320	89°	59'23"	(.02)		4.0		-3.8		59.8		234	
8	"	2640	89°	57'34"	(.07)		4.0	-2.1	-2.4		61.2		235	80.4
9			270°	01'43"			4.0	-2.7						
10	"		90°	01'10"	(.04)		4.0	+4.6	+4.6	65.8				85.0
11		1815	269°	58'50"			4.0	+4.6						
12	E	495	90°	03'30"	(.11)		4.0		-4.5		61.3		236	
13													236+495	π
14	W	825	90°	27'54"	(.81)		4.0		-10.7		55.1		237	
15	"	1015	90°	10'54"	(.32)		4.0	-10.8	-11.0		54.8		238	75.1
16		2145	269°	48'30"			4.0	-11.2						
17	E	1320	90°	04'40"	(.14)		4.0		+5.8	60.6				
18			269°	55'12"			4.0							
19											55.4		239	π
20	W	1320	89°	57'57"	(.06)		4.0		-3.3		57.3		240	↓

checked

TI-588B

270° 01' 21"

4.0

WORKED BY _____

CHECKED BY 1st _____

2nd _____

~~33.9~~ 33.9 0.2

STADIA SURVEY NOTES

Re-Run.

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 1
 LINE No.(s) 56 PARTY No. 182 DATE B Day FEB Mo. 1976 Yr. BOOK No. 4
 SURVEYOR T. SHERRILL RODMAN R. IPPS44 WEATHER: CLEAR - COLD - BLOWING 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																
3	E	2640	✓							+5.5	34.5	29.0	101		40.0	
4			✓													
5		0	✓							-5.3						
6	W	1320	✓							-5.6		28.9	103			
7			✓													
8	E	2640	✓			B	4.8	+13.2		+18.0	246.9		106			LAKE 36 39.4
9			✓			B	5.2	+13.2		+18.0			106			
10		0	✓							-5.3			108			48.9
11	W	2640	✓			B	4.4	-13.2		-17.4		29.10	110			LAKE 39 56.8
12			✓			B	4.8	-13.2		-17.0			110			
13	E	1320	✓							+5.9	35.0					
14			✓													
15		0	✓							-5.3						
16	W	1320	✓							-4.4		30.6				
17			✓													
18	E	2640	✓							+5.5	36.1					
19			✓													
20		0	✓							-5.3						

TI-668B

WORKED BY

CHECKED BY 1st

2nd

STADIA SURVEY NOTES

Re-Run

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 2
 LINE No.(s) 56 PARTY No. 182 DATE B Day FEB Mo. 1976 Yr. BOOK No. 1
 SURVEYOR T. SHERRILL RODMAN P. LAPISCH WEATHER: CLEAR - COLD - BLOWING SNOW P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1										36.1				
2	W	2640	✓						-5.3		30.8	○	121	40.4
3			✓						-5.3				✓	38.5
4	E	2640	✓						+10.3	41.7		△	121	48.8
5			✓						+10.3			✓		
6		0	✓									π	123	
7	W	2640	✓						-5.8		35.3	○	125	LAKE 44.6
8			✓						-5.8			✓		43.0
9	E	1320	✓						+6.4	41.7	125	△	127	LAKE 49.4
10			✓						+6.4			✓		
11		0	✓						-5.3		126	π	128	
12	W	1320	✓						-5.5		36.2	○	129	LAKE 44.6
13			✓						-5.5			✓		43.9
14	E	2640	✓						+10.8	47.0		△	131	54.7
15			✓						+10.8			✓		
16		0	✓						-5.3			π	133	
17	W	2640	✓						-9.1		37.9	○	134	45.6
18		1320	✓						-9.1			△		
19	E	1320	✓						+5.8	43.7		△	134	51.4
20			✓						+5.8			✓		

TI-598B

WORKED BY

CHECKED BY 1st

Handwritten signature

2nd

STADIA SURVEY NOTES

Re - Run.

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 3
 LINE No.(s) 56 PARTY No. 182 DATE 8 Day FEB Mo. 1976 Yr. BOOK No. 1
 SURVEYOR T. SHERILL RODMAN R. IPPISCH WEATHER: CLEAR - COLD - BLOWING SNOW 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												43.7			
2		0	✓								-5.3		π	135	
3	W	1320	✓					6.22			-6.3		0	136	45.1
4			✓					6.4			-6.3		✓		
5	E	2640		89° 59' 45"				6.7	+6.5	+6.7		44.0	Δ	136	51.8
6				270° 0' 00"				6.7	+6.7	+6.6			✓		
7		0	✓								-5.3		π	138	
8	W	2640		89° 54' 05"				6.77	-2.2	-2.4			0	140	49.4
9				270° 05' 35"				6.7	-2.4	-2.3		41.7			
10	E	2640		90° 01' 45"				6.77	+8.0	+8.4		50.0	Δ	140	57.8
11				269° 57' 40"				6.7	+8.5	+8.3					
12		0	✓								-5.3		π	142	
13	W	2640		89° 51' 24"				6.77	-0.1	-0.4			0	144	57.4
14				270° 08' 12"				6.7	-0.4	-0.2		49.8			
15	E	1320		90° 29' 03"				6.77	+17.9	+17.9		67.7	Δ	144	25.3
16				269° 30' 40"				6.7	+18.0	+17.9					
17		0	✓								-5.3		π	145	70.0
18	W	2640		90° 00' 03"				6.7	+6.7	+7.1			0	147	65.8
19				269° 59' 25"				6.7	-7.1	-6.9		60.8		X	82.4
20															

TI-608B

WORKED BY

CHECKED BY 1st

R. M. Y.

2nd

STADIA SURVEY NOTES

Re - Run.

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 4
 LINE No.(s) 56 PARTY No. 182 DATE B Day FEB Mo. 1976 Yr. BOOK No. 1
 SURVEYOR T. SHERRILL RODMAN R. IRRISCH WEATHER: COLD - BLOWING SNOW 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	E	2640	89°	40' 10"				10.0	-5.2	-9.8	55.7	60.8	Δ	147	77.4
3		✓	270°	19' 22"				10.0	-4.9	-5.1					
4		0	✓							-5.3			π	149	
5	W	2640	90°	07' 15"				10.0	-15.6	-15.9		40.0	0	151	33.4 61.7
6		✓	269°	52' 17"				10.0	-15.9	-15.9					
7	E	2640	90°	02' 00"				6.7	+8.7	+9.3	49.0		Δ	151	71.0
8		3465	269°	57' 26"				6.7	+9.3	+9.0					
9		0	✓							-5.3			π	153 + 895	65.7
10	W	3135	90°	12' 12"				6.7	-17.8	-18.9		30.9	0	156	56.1
11			269°	47' 16"				6.7	-18.2	-18.1					
12	E	3960	89°	57' 16"				6.7	+3.6	+4.0	34.5		Δ	158	56.1
13		✓	270°	02' 34"				6.7	+3.7	+3.6					
14	L	0	✓							-5.3			π	159	
15	W	3960	90°	00' 24"				6.7	-7.2	-7.6		27.2	0	162	29.3 48.5
16		✓	269°	59' 23"				6.7	-7.4	-7.3					
17	E	3960	90°	01' 10"				6.7	+8.0	+8.8	35.4		Δ	162	57.3
18		✓	269°	58' 30"				6.7	+8.4	+8.2					
19		0	✓							-5.3			π	165	
20															

TI-508B

WORKED BY

CHECKED BY 1st

[Signature]

2nd

STADIA SURVEY NOTES

Re-Run.

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 5
 LINE No.(s) 56 PARTY No. 182 DATE 9 Day FEB Mo. 1976 Yr. BOOK No. 1
 SURVEYOR T. SHERRILL RODMAN R. IPPISCH WEATHER: CLEAR-COLD-BLOWING SNOW 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												35.4			
2	W	3960	89° 59' 27"					6.72	-6.1	-6.1		29.0	0	0	S.P. 168 33.9
3			270° 00' 00"					6.72	-6.7	-6.4					
4	E	3960	89° 58' 20"					6.72	+4.8	+5.5		34.1	Δ	168	56.7
5			270° 01' 02"					6.72	+5.5	+5.1					
6		0								-5.3			π	171	
7	W	3960	89° 57' 00"					6.72	-3.2	-4.0		30.5	0	174	33.8 52.7
8			270° 02' 20"					6.72	-4.0	-3.6					
9	E	2640	89° 49' 03"					6.72	-1.7	-1.3		29.0	Δ	174	33.8 51.4
10			270° 10' 22"					6.72	-1.3	-1.5					
11		0								-5.3			π	176	
12	W	2640	89° 36' 42"					6.72	+11.2	+10.9		40.0	0	178	62.3
13			270° 22' 50"					6.72	+10.8	+11.0					
14	E	3960	89° 57' 50"					6.72	+4.2	+4.9		44.6	Δ	178	67.2
15			270° 01' 33"					6.72	+4.9	+4.6					
16		0								-5.3			π	181	
17	W	3960	89° 49' 28"					6.72	+5.4	+4.8		49.7	0	184	72.0
18			270° 10' 20"					6.72	+4.8	+5.1					
19	E	3960	89° 53' 38"					6.72	-0.6	-0.5		48.9	Δ	184	71.5
20			270° 05' 45"					6.72	-1.1	-0.8					

TI-508B

WORKED BY _____ CHECKED BY 1st DMY 2nd _____

STADIA SURVEY NOTES

Re-Run.

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 6
 LINE No.(s) 56 PARTY No. 182 DATE 9 Day FEB Mo. 1976 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. IPPISCH WEATHER: CLEAR - COLD - MOVING SNOW 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												48.9			
2		0	✓							-5.3			187		↑
3	W	3260	✓	89° 54' 30"				10.0	-3.7	-4.4		44.9	190		67.1
4			✓	278° 04' 50"				10.0	+4.4	-4.0					
5	E	3960	✓	90° 05' 00"				6.7	+12.5	+13.0			190		80.1
6			✓	269° 54' 41"				6.7	+12.8	+12.6		57.5			
7		0	✓							-5.3			193		
8	W	2640	✓	89° 41' 15"				6.7	+7.7	+7.4		65.0	195		87.5
9			✓	270° 18' 17"				6.7	+7.3	+7.5					
10	E	2640	✓	89° 56' 24"				6.7	+3.9	+4.4		69.3	195		91.9
11			✓	270° 02' 44"				6.7	+4.6	+4.3					
12		0	✓							-5.3			199		
13	W	5280	✓	90° 04' 26"				6.7	-13.5	-14.5		55.4	201		17.4
14			✓	269° 55' 00"				6.7	-14.4	-13.9					63.4
15															
16															
17															
18															
19															
20															

Take off Page 8
 ORIGINALS

TI-588B

WORKED BY _____

CHECKED BY 1st 1989

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 1
 LINE No.(s) 56 PARTY No. 1182 DATE 17 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1			TAKE OFF			SP 50							70.5		
2	N	495	✓						11.8		+11.8	82.3		Δ	L-56 3P 433
3	"	"	90°	12' 25"					10.0	+11.8				Δ ₁	L-123 3P 50+495
4		0													
5	S	825	✓						12.3		-12.3		70.0	-	INT 7 L-56 & L-123 L-123
6															MARKER PIPE
7	W	1320	90°	12' 08"					4.0		-8.7		73.6	-	434
8	"	2640	90°	07' 35"					10.0	-16.0	-16.1		66.2	0	435
9	"	"	269°	52' 10"					10.0	-16.2				0 ₁	
10	E	2640	✓						13.5	+13.5	+13.6	79.8		Δ	
11	"	"	90°	04' 25"					10.0	+13.7				Δ ₁	
12	"	1320	90°	14' 40"					4.0		-9.7		70.1	-	436
13		0							5.4		-5.4		74.4		437 X
14	W	1320	✓						4.0		-4.0		75.8	-	438
15	"	2640	✓						1.5	-1.5	-1.6		78.2	0	439
16	"	"	87°	55' 30"					5.0	-1.7				0 ₁	
17	E	2640	✓						4.7	+4.7	+4.7	82.9		Δ	
18	"	"	89°	53' 00"					10.0	+4.8				Δ ₁	
19	"	1320	✓						4.2		-4.2		78.7	-	440
		0							H1 5.4		-5.4		77.5	-	441 X

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 2
 LINE No.(s) 56 PARTY No. 1182 DATE 17 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN 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												82.9				
2	W	1320	90°	23'35"				4.0		-13.1		69.8	-	442		
3	"	2640	✓					13.3	-13.3	-13.4		69.5	0	443		LAST SP
4	"	"	90°	04'20"				10.0	-13.5				0			MARKER PIPE
5																
6																
7			ELEV FROM				LINE 2 PAGE 1					82.3				
8		0						HI 5.4		-5.4		76.9	-	433		π
9	E	1320	90°	34'30"				4.0		-17.3		65.0	-	432		
10	"	2640	90°	27'00"				10.0	-30.9	-30.7		51.6	0	431		
11	"	"	269°	33'22"				10.0	-30.6				0			
12	W	1320	89°	46'25"				5.0	-0.2	-0.2	51.4		Δ			
13	"	"	270°	14'00"				5.0	-0.3				Δ			
14		0						HI 5.4		-5.4		46.0	-	430		π
15	E	1320	91°	01'27"				4.0		-22.6		23.8	-	429		
16	"	2640	✓					7.2	-2.2	-7.3		44.1	0	428		
17	"	"	90°	02'55"				5.0	-2.4				0			
18	W	2640	90°	08'42"				10.0	+16.8	+17.0	61.1		Δ			
19	"	"	269°	50'55"				10.0	+17.1				Δ			
20	"	1320	✓					11.7		-11.7		49.4	-	427		

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 3
 LINE No.(s) 56 PARTY No. 1182 DATE 17 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN 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												61.1				
2		0						H1	5.4		-5.4		55.7		426	π
3	E	1320	90°	29'44"					14.0	-25.5	-25.4		35.7	0	425	
4	"	"	269°	30'38"					14.0	-25.3				0		
5	W	2640	89°	44'55"					5.0	-6.4	-6.1	29.6		Δ		
6	"	"	270°	14'20"					5.0	-5.9				Δ		
7	"	1320	90°	36'16"					14.0		-28.0		1.6	-	424	
8		0						H1	5.4		-5.4		24.2		423	π
9	E	1320	89°	25'45"					4.0		+9.1		38.7	-	422	
10	"	2640	89°	21'40"					14.0	+15.3	+15.1		44.7	0	421	
11	"	"	270°	37'50"					14.0	+14.9				0		
12	W	2640	90°	14'35"					10.0	+21.3	+21.5	66.2		Δ		
13	"	"	269°	44'55"					10.0	+21.7				Δ		
14	"	1320	90°	40'35"					4.0		-19.6		46.6	-	420	
15		0						H1	5.4		-5.4		60.8		419	π
16	E	1320	89°	16'50"					10.0	+6.5	+6.5		72.7	0	418	
17	"	"	270°	42'50"					10.0	+6.4				0		
18	W	2640	89°	38'35"					10.0	-6.3	-6.0	66.7		Δ		
19	"	"	270°	20'45"					10.0	-5.8				Δ		
20	"	1320	✓						0.5		-0.5		66.2	-	417	

TI-500B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 4
 LINE No.(s) 56 PARTY No. 1182 DATE 17 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN 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												66.7				
2		0						H1	5.4		-5.4	61.3		416	X	
3	E	1320	✓						4.3		-4.3	62.4	-	415		
4	"	2640		89° 57' 35"					10.0	-6.0	-6.0	60.7	0	414		
5	"	"		270° 05' 15"					10.0	-6.1			0			
6	W	2640		89° 54' 05"					5.0	0.6	+0.8	61.5	0			
7	"	"		270° 05' 20"					5.0	1.1			0			
8	"	1320	✓						3.2		-3.2	58.3	-	413		
9		0						H1	5.4		-5.4	56.1	-	412	X	
10	E	1320	✓						5.1		-5.1	56.4	-	411		
11	"	2640		89° 51' 05"					5.0	1.7	+1.4	62.9	0	410		9
12	"	"		270° 03' 10"					5.0	1.1			0			
13	W	2640	✓						7.3	+7.3	+7.4	70.3	A			
14	"	"		90° 03' 05"					5.0	+7.5			A			
15	"	1320		90° 05' 42"					4.0		-6.2	64.1	-	409		
16		0						H1	5.4		-5.4	64.9	-	408	X	
17	E	1320		90° 31' 45"					4.0		-16.2	54.1	-	407		
18	"	2640		90° 33' 35"					10.0	-35.9	-36.3	34.0	0	406		
19	"	"		269° 25' 35"					10.0	-36.6			0			
20																

TI-5888

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 5
 LINE No.(s) 56 PARTY No. 1182 DATE 17 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN 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	W	685	90°	47'40"					10.0	19.5	+19.5	53.5	34.0	0			L-56 SP 405 + 6.35
3	"	"	269°	12'00"					10.0	19.6				0			L-122 SP 331 + 1198
4		0															INT π L-56 + L-122
5	S	1198	✓						8.2		-8.2	(39.6)	45.3	-	331		L-122
6	N	122	✓						2.0		-2.0	(46.2)	51.5	-	332		MARKER PIPE
7																	
8												MISTIE SP 331	+5.7				
9												SP 332	+5.3				
10																	
11	N	122	✓						2.0		+2.0	48.2	46.2	0			SP 332 ELEV.
12																	CORRECTION
13																	TAKEN FROM
14																	SP 332 L-122
15		0															
16	E	635		89°07'35"					5.0	41.7	+4.6		52.8	0			INT π
17	"	"		200°51'45"					5.0	41.5				0			405
18																	
19																	
20																	

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 6
 LINE No.(s) 56 PARTY No. 1182 DATE 18 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			±B.S. OF.S. -S.S.
1													52.8		405	
2	W	1320	89°	32' 25"				5.0	-5.6	-5.6	47.2			Δ		
3	"	"	270°	27' 20"				5.0	-5.5					Δ		
4		0						H1	5.4	-5.4			41.8		404	X
5	E	1320	91°	28' 44"				4.0		-38.1			9.1	-	403	
6	"	2640	98°	20' 07"				10.0	-25.6	-25.9			24.3	⊙	402	
7	"	"	269°	39' 00"				10.0	-26.3					⊙		
8	W	1320	90°	20' 28"				14.0	+22.7	+22.7	44.0			Δ		
9	"	"	269°	37' 15"				14.0	+22.8					Δ		
10		0						H1	5.4	-5.4			38.6		401	X
11	E	1320	✓					9.7		-9.7			34.3	⊙	400	
12	"	"	90°	12' 15"				5.0	-9.7					⊙		
13	W	2640	90°	26' 00"				16.8	+36.9	+37.1	76.4			Δ		
14	"	"	269°	32' 22"				16.8	+37.3					Δ		
15	"	1320	90°	20' 05"				4.0		-12.5			58.9	-	399	
16		0						H1	5.4	-5.4			66.0		398	X
17	E	1320	90°	23' 50"				4.0		-17.0			54.4	-	397	
18	"	2640	90°	11' 22"				10.0	-18.9	-19.2			52.2	⊙	396	
19	"	"	269°	47' 50"				10.0	-19.5					⊙		
20																

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 7
 LINE No.(s) 56 PARTY No. 1182 DATE 18 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN 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	W	2640	✓								+5.6	57.8	52.2	Δ	396	
3	"	"	89°	54'11"						5.7				Δ ₁		
4	"	1320	90°	07'50"							-7.0		50.8	-	395	
5		0						HI			-5.4		52.4		394	π
6	E	1320	✓								-3.5		54.3	-	393	
7	"	2640	89°	44'33"							-5.4		52.9	⊙	392	
8	"	"	270°	14'52"							-5.6			⊙		
9	W	2640	✓								+4.5	56.9		Δ		
10	"	"	89°	52'45"							4.6			Δ		
11	"	1320	70°	04'33"							-5.8		51.1	-	391	
12		0						HI			-5.4		51.5		390	π
13	E	1320	89°	16'00"							+11.9	+11.7	68.6	⊙	389	4
14	"	"	270°	43'04"							+11.5			⊙		
15	W	1320	89°	26'25"							-7.9	-7.8	60.8	Δ		
16	"	"	270°	52'05"							-7.7			Δ		
17		0						HI			-5.4		55.4		388	π
18	E	1320	✓								-6.0		54.8	-	387	
19	"	2640	✓								-5.0		55.8	⊙	386	
20	"	"	89°	53'27"							-5.1			⊙		

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 8
 LINE No.(s) 56 PARTY No. 1182 DATE 18 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2	W	2640	✓								+3.0	58.8	55.8	Δ	386
3	"	"		89° 57' 17"						+3.1				Δ	
4	"	1320	✓								-3.1		55.7	-	385
5		0						41			-5.4		53.9	-	384 π
6	E	1320	90°	08' 05"							-7.1		51.7	-	383
7	"	2640	✓								-7.0		51.8	⊙	382
8	"	"	90°	02' 33"						-7.1				⊙	
9	W	395	✓								+5.5	57.3		Δ	
10	"	"	90°	04' 10"						+5.5				Δ	
11	S	381	✓								-4.8	(47.5)	52.5	-	191 L-56 SP381 + 925
12	N	939	✓								-4.6	(46.9)	52.7	-	192 L-121 SP191 + 381
13												SP 191	+5.0		MARKER PIPE
14												SP 192	+5.6		
15		0													INT W L-55 S' L-121
16	E	925	✓								-3.4		53.9	-	381
17	"	2245	89°	44' 15"							-3.8	-4.2	53.1	⊙	380
18	"	"	270°	14' 35"							-4.6			⊙	
19															
20															

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

52.3

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 9
 LINE No.(s) 56 PARTY No. 1182 DATE 18 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1													53.1		380	
2	W	1320	✓						7.0		+7.0	60.1		Δ		
3	"	"	90°	05'11"					5.0	7.0				Δ		
4		0						HI	5.4		-5.4		54.7		379	X
5	E	1320	✓						5.5		-5.5		54.6	-	378	
6	"	2640	89°	37'11"					5.0	12.4	+12.0		72.1	0	377	4
7	"	"	270°	21'50"					5.0	11.6				0		
8	W	2640	89°	51'05"					5.0	-1.7	-1.7	70.4		Δ		
9	"	"	270°	09'00"					5.0	-1.8				Δ		
10	"	1320	89°	53'15"					4.0		-1.4		69.0	-	376	
11		0						HI	5.4		-5.4		65.0		375	X
12	E	1320	89°	38'00"					14.0		-5.6		69.8	-	374	
13	"	2640	89°	35'00"					10.0	+9.1	+9.0		79.4	0	373	4
14	"	"	270°	24'50"					10.0	18.9				0		
15	W	2640	89°	45'10"					5.0	-6.2	-6.1	73.3		Δ		
16	"	"	270°	14'30"					5.0	-6.0				0		
17	"	1320	89°	39'00"					4.0		4.0		69.3	-	372	
18		0						HI	5.4		-5.4		67.9		371	X
19	E	1320	90°	21'00"					4.0		-12.1		51.2	-	370	
20																

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 10
 LINE No.(s) 56 PARTY No. 1182 DATE 18 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Δ B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												73.3				
2	E	2640	90°	02'55"				10.0	-12.4				0	369		
3	"	"	✓					12.3		-12.3		61.0	0			
4	W	1320	89°	50'50"				14.0	+10.5	+10.5	71.5		Δ			
5	"	"	270°	09'00"				14.0	+10.6				Δ			
6		0						5.4		-5.4		66.1		368	π	
7	E	1320	90°	20'00"				4.0		-11.7		59.8	-	367		
8	"	2640	✓					12.2		-12.2		59.3	0	366		
9	"	"	90°	02'44"				10.0	-12.2				0			
10	W	2640	✓					6.3		+6.3	65.6		Δ			
11	"	"	89°	55'08"				10.0	+6.3				Δ			
12	"	1320	90°	07'20"				4.0		-6.9		58.7	-	365		
13		0						5.4		-5.4		50.2		364	π	
14	E	1320	✓					3.8		-3.8		61.8	-	363		
15	"	2640	89°	41'35"				10.0	+4.0	+4.0		69.6	0	362		
16	"	"	270°	18'28"				10.0	+4.0				0			
17																
18																
19																
20																

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 11
 LINE No.(s) 56 PARTY No. 1182 DATE 19 Day 4 Mo. 76 Yr. BOOK No.
 SURVEYOR HELANDER RODMAN 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												69.6		262		4
2	W	2640	✓						8.5	+8.6	78-2		Δ			
3	"	"		70° 04'40"					5.0	+8.7			Δ			
4	"	1320		70° 27'05"					4.0	-14.4		63.8	-	261		
5		0						H1	5.4	-5.4		72.8	-	260	π	
6	E	1320		90° 17'00"					4.0	-10.6		67.6	-	259		
7	"	2640		90° 11'17"					10.0	-18.8		59.0	0	258		
8	"	"		269° 47'47"					10.0	-19.5			0			
9	W	2193	✓						6.4	+6.4	65.4		Δ		L-56 SP 356+447	
10	"	"		89° 54'20"					10.0	+6.5			Δ		L-120 SP 36+500	
11	"	873		90° 10'44"					4.0	-6.7		58.7	-	357	MARKER PIPE	
12		0							5.4	-5.4					INT π L-56 & L-120	
13	N	500	✓						4.7	-4.7	(67.4)	60.7	-	36	L-120	
14	S	820	✓						5.7	-5.7	(67.8)	59.7	-	37		
15										MIST	SP 36	-6.7				
16											SP 37	-8.1				
17																
18	E	447		90° 15'22"					4.0	-6.0		59.4	-	356		
19	"	1767		89° 49'20"					5.0	-0.4	-0.2	65.2	0	355		
20	"	"		270° 09'55"					5.0	-0.0			0			

TI-588B

WORKED BY

CHECKED BY 1st

2nd

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 12
 LINE No.(s) 56 PARTY No. 1182 DATE 19 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD		
1												65.2		355	
2	W	2640	89°	54'15"				5.0	0.7	+0.7	65.9		Δ		
3	"	"	270°	05'55"				5.0	0.6				Δ		
4	"	1320	✓					4.1		-4.1		61.8	-	354	
5		0						5.4		-5.4		60.5	-	353	π
6	E	1320	✓					5.8		-5.8		60.1	-	352	
7	"	2640	✓					6.7		-6.7		59.2	Δ	351	
8	"	"	89°	55'35"				10.0	-6.8				Δ		
9	W	2640	✓					4.7		+4.8	64.0		Δ		
10	"	"	89°	53'07"				10.0	4.9				Δ		
11	"	1320	✓					4.5		-4.5		59.5	-	350	
12		0						5.4		-5.4		58.6	-	349	π
13	E	1320	90°	05'35"				4.0		-6.2		57.8	-	348	
14	"	2640	✓					4.7		-4.7		59.3	Δ	347	
15	"	"	89°	53'00"				10.0	-4.8				Δ		
16	W	2640	✓					7.6		+7.6	66.9		Δ		
17	"	"	90°	03'22"				5.0	7.7				Δ		
18	"	1320	90°	11'05"				4.2		-8.3		58.6	-	346	
19		0						5.4		-5.4		61.5	-	345	
20	E	1320	90°	16'05"				4.2		-10.2		56.7	-	344	

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 13
 LINE No.(s) 56 PARTY No. 1182 DATE 19 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS 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												66.9				
2	E	2640	✓						9.3	-9.4		57.5	⊙	343		
3	"	"	90°	05'40"					5.0	-9.5			⊙			
4	W	2640	90°	07'30"					10.0	16.9	75.7	73.4	Δ			
5	"	"	86°	52'22"					10.0	16.0			Δ			
6	"	1320	90°	03'45"					4.0	-5.5		67.9	-	342		
7		0					HI		5.4	-5.4		68.0	-	341	π	π
8	E	1320	90°	12'80"					4.0	-8.8		64.6	-	340		
9	"	2640	90°	14'00"					14.0	24.9	-25.1	48.3	⊙	339		
10	"	"	89°	45'30"					14.0	25.3			⊙			
11	W	2640	✓						2.3	42.4	50.7		Δ			
12	"	"	89°	56'30"					5.0	2.5			Δ			
13	"	1320	✓						4.3	-4.3		46.4	-	338		
14		0					HI		5.4	-5.4		45.3	-	337	π	
15	E	1320	✓						4.9	-4.9		45.8	-	336		
16	"	2640	89°	50'00"					5.0	2.5	42.3	53.0	⊙	335		
17	"	"	270°	09'30"					5.0	2.1			⊙			
18																
19																
20																

TI-5088

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 14
 LINE No.(s) 56 PARTY No. 1182 DATE 19 Day 4 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN 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												53.0			335	
2	W	2810	✓						5.6	+5.6	58.6		Δ			
3	"	"	87°	54'35"					10.0	5.7			Δ			
4	"	1490	90°	05'38"					4.0	-6.5		52.1	-		334	
5	"	170	90°	53'30"					4.0	-6.6		52.0	-		333	
6		0							MI	5.4		53.2			332+	1150 X comman
7												56.8				WITH SP 240
8												-3.6				OF L-56
9																
10	E	2640	89°	57'28"					10.0	-8.2	-8.1	(54.3)	50.5	0	238	L-56
11	"	"	✓						8.1					0		
12																
13																
14																
15																
16																
17																
18																
19																
20																

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____