

# STADIA SURVEY NOTES

AREA Tataluk River STATE or PROVINCE Alaska PAGE No. 111  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 20 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: cloudy 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														
2														
3	E	1017			88-09-30			10.0	-22.7	-22.7	525.9		Δ	
4	W	1017			271-50-45			10.0	-22.8				Δ	
5	W	1313			92-37-20			10.0	-80.7		489.0		0	109
6	W	1700			93-50-55			5.0	-119.1	-118.9	407.0		0	106
7	W	1700			266-09-37			5.0	-118.8				0	
8														
9	S	2640			89-36-09			10.0	-8.3	-8.3	398.7		Δ	
10	"	2640			270-24-28			10.0	-8.8				Δ	
11	N	1760			89-58-03			4.0		-3.0	395.7		-	105
12	"	850			90-09-16			4.0		-6.4	392.3		-	104
13		0						5.9		-3.9	392.8		-	103 K
14	N	880			89-52-15			4.0		-2.0	396.7		-	102
15	"	1760			90-03-50			5.0		-7.0	391.7		-	101
16	"	2640			90-01-30			10.0		-11.2	387.5		→	100
17	"	2640			269-59-02			10.0					↑	
18	S	2060			88-54-07			5.0	+34.5	+34.6	433.3		0	
19	W	2060			271-00-20			5.0	+34.7				0	
20														

20  
 10  
 5  
 3  
 2  
 1

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

for accuracy Direct and Indirect shot taken to S.P. 100 - traverse carried backwards to BAS. 78109

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE Alaska PAGE No. 112  
 LINE No. (s) R-2 PARTY No. \_\_\_\_\_ DATE 2 Day 20 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: cloudy 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													433.3			
2																
3	W	1470		93-08-56				14.0	+94.7	+94.6	527.9			Δ		
4	"	1470		266-51-40				14.0	+94.5					Δ		
5		0														
6	E	1155		88-33-01				10.0	+19.2	+19.3			547.2	○		▲ TALUK
7	"	1155		271-27-30				10.0	+19.4					○		
8													548.6			TRUE ELEV. <del>548.3</del>
9													-1.4			VERT. MISTIE
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

12.35  
 5.0  
 12.55  
 1.02  
 24.55

TI-588B

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## STADIA SURVEY NOTES

AREA IKPIK PUK RIVER STATE or PROVINCE Alaska PAGE No. 113  
 LINE No.(s) R2 PARTY No. 1184 DATE 2 Day 21 Mo. 78 Yr. BOOK No.  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cloudy P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2															Beginning take off point for line R-2.
3															
4	E	97.6			88-24-42			10.0	-17.1	-17.2	531.4				
5	"	91.6			271-36-03			10.0	-17.5						
6	W	127.5			93-03-26			14.0		-82.0	449.4		107		
7	W	123.5			91-47-13			10.0	-48.5	-48.4	483.0		108		
8	W	123.5			268-13-16			10.0	-48.3						
9															
10	N	88.0			88-24-16			14.0	+10.5	-10.6	472.4				
11	"	88.0			271-36-37			14.0	-10.7						
12		~0~						5.8		-5.8	466.6		109	K	
13	S	88.0			92-11-33			14.0	-47.7	-47.6	424.8		110		
14	"	88.0			267-49-20			14.0	-47.4						
15															
16	N	220.0			86-39-03			5.0	-123.5	-123.6	301.2				
17	"	220.0			273-21-14			5.0	-123.7						
18	"	132.0			87-06-33			4.0		+62.6	363.8		111		
19	"	44.0			82-33-02			4.0		+14.8	316.0		112		
20		~0~						5.9		-5.9	295.3		112-4	K	

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CHECKED BY 1st

2nd

### STADIA SURVEY NOTES

AREA IKPIK PUK RIVER STATE or PROVINCE Alaska PAGE No. 114  
 LINE No.(s) R-2 PARTY No. \_\_\_\_\_ DATE 2 Day 21 Mo. 28 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - cloudy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
1										301.2					
2															
3	S	440			94-45-36			4.0		-40.5	260.7	-	113		
4	"	470			95-07-55			4.0		-82.9	218.3	-	113-3		
5	"	1320			92-22-43			4.0		-58.2	242.4	-	114	Low point of Hill into creek	
6	"	2198			90-20-41			10.0	-27.1	-26.9	274.3	0	115		
7	"	2198			269-33-57			10.0	-26.7			0			
8															
9	N	1760			90-57-33			14.0	+43.5	+43.1	317.4	0			
10	"	1760			269-03-55			14.0	+42.7			0			
11	"	880			90-56-18			4.0		-18.4	299.0	-	116		
12		0 ~						5.9		-5.9	311.5	-	117	X	
13	S	880			87-29-22			4.0		+35.1	352.5	-	118		
14	"	1760			87-34-58			15.0	+59.2	+59.3	376.7	0	119	BAS 78186	
15	"	1760			272-25-29			15.0	+59.5			0			
16															
17											376.76	0	TRUE ELEV		
18											-0.1	0	VERT. MISTAKE		
19															
20															

$\frac{12.99}{2} = 6.495$   
 $\frac{2.80}{1099}$

TI-598B

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**STADIA SURVEY NOTES**

AREA Ikpikpak River STATE or PROVINCE Alaska PAGE No. 115  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 21 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen (DJ) RODMAN T. Garcia WEATHER: Cold - Cloudy P.T.S. No. \_\_\_\_\_

1/2  
14.78  
1.00  
13.78

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2															
3	N	2756			89-58-27			5.0	+3.8	+3.6	380.4		Δ	SP.119	
4	"	2756			270-01-56			5.0	+3.5				Δ		
5	"	1876			90-12-20			4.0		-10.7	369.7		-	120	
6	"	990			91-49-38			4.0		-35.3	345.1		-	121	
7	"	110			92-56-21			4.0		-9.6	370.8		-	122	
8		-0-						5.9		-5.9	374.5		-	122-1 T	
9	S	770			88-49-56			10.0	+5.7	+3.8	386.2		0	123	
10	"	770			271-16-22			10.0	+5.8				0		
11															
12	N	1320			88-24-18			10.0	-26.7	-26.8	359.4		Δ		
13	"	1320			271-36-04			10.0	-26.9				Δ		
14	"	440			88-07-13			4.0		+10.4	369.8		-	124	
15		-0-						6.0		-6.0	353.4		-	124-4 T	
16	S	440			92-38-53			4.0		+24.3	343.7		-	125	
17	"	1320			91-54-40			14.0	-58.0	-57.9	361.5		0	126	
18	"	1320			268-05-45			4.0	-57.9				0		
19															
20															

TI-588B

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**STADIA SURVEY NOTES**

AREA Ik PIRPUK RIVER STATE or PROVINCE Alaska PAGE No. 116  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 21 Mo. 78 Yr. BOOK No.  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cloudy - cold P.T.S. No.

14.2  
1.0  
13.2

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												301.5				
2																
3	N	2640			91-35-24				10.0	+83.3	<del>83.2</del>	384.7		Δ	126	
4	"	2640			268-24-40				10.0	+83.2				Δ		
5	"	1760			92-24-45				14.0		-88.1	296.6		-	127	
6	"	880			92-24-52				4.0		-41.1	343.6		-	128	
7		20-							5.9		-5.9	378.8			129	π
8	S	880			87-43-40				4.0		+30.9	415.6		-	130	
9	"	1760			87-46-00				4.0		+65.1	449.8		-	131	
10	"	2640			87-47-26				10.0		+91.8	476.5		-	132	
11	"	2800			87-46-49-32				14.0	+94.7	+44.9	479.6		0	132 + 60'	BAS 78185
12	"	2800			272-13-55				19.0	+96.0				0		
13																
14												<del>480.75</del>				TRUE ELEV. 680.57
15												-1.2				VERT. MISTIE
16																
17																
18																
19																
20																

TI-588B

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2nd

## STADIA SURVEY NOTES

AREA Ik Pikpuk River

STATE or PROVINCE

Alaska

PAGE No.

117

LINE No.(s)

R-2

PARTY No.

1184

DATE

2July 21Mo. 78

Yr. BOOK No.

SURVEYOR

D. Jensen

RODMAN

T. Garcia

WEATHER:

Cold - cloudy

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			Ceriter Hair	INST.		
1														
2														
3	N	2480			90-34-16			5.0	+29.7	+29.7	510.5		Δ 132+60'	
4	"	2480			269-28-54			5.0	+29.6				Δ	
5	"	1760			90-44-09			4.0		-26.6	483.9		133	
6	"	880			90-47-57			4.0		-16.3	494.2		134	
7		-0-						6.0		-6.0	504.5		135 T	
8	S	880			89-12-40			4.0		+8.1	512.6		136	
9	"	1760			89-11-09			10.0		+15.0	525.5		137	
10														
11	N	1980			89-18-04			10.0	+14.2	+14.2	524.7		137-2	
12	"	1980			270-42-16			10.0	+14.3				0	
13														
14		2420			89-63-21			5.0	+0.3	+0.1	524.8		Δ	
15		2426			270-07-03			5.0	-0.2				Δ	
16		1760			90-11-19			4.0		-9.8	515.0		138	
17		880			90-39-09			4.0		-14.0	510.8		139	
18		-0-						6.0		-6.0	518.8		140 T	
19		880			89-19-16			4.0		+6.4	531.2		141	
20														

TI-588B

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2nd

### STADIA SURVEY NOTES

AREA Ikpikpak River STATE or PROVINCE Alaska PAGE No. 138  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 21 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - cloudy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD			
1											524.8					
2																
3	S	1760			89-21-53			10.0	+9.5	+9.7		534.5	0	142		
4	"	1760			270-38-35			10.0	+9.8				0			
5																
6	N	2640			90-07-20			14.0	+19.7	+19.5	554.0		A			
7	"	2640			269-53-04			14.0	+19.3				A			
8	"	1760			90-35-08			4.0		-22.0		532.0	-	143		
9	"	880			90-54-43			4.0		+18.0		536.0	-	144		
10		~0~						5.9		-5.9		548.1	-	145	X	
11	S	880			88-54-57			4.0		+12.7		566.7	-	146		
12	"	1760			88-51-38			4.0		+31.0		588.0	-	147		
13	"	2630			88-37-30			10.0	+53.1	+53.2		607.2	0	148		
14	"	2630			271-22-52			10.0	+53.4				0			
15																
16	N	2650			91-23-17			14.0	+78.2	+78.1	685.3		A			
17	"	2650			268-37-0			14.0	+78.0				A			
18	"	1760			91-16-10			14.0		-53.0		632.3	-	149		
19	"	880			91-17-12			4.0		-23.8		661.5	-	150		
20		~0~						5.7		-5.9		679.4	-	151	X	

TI-568B

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**STADIA SURVEY NOTES**

AREA Ikpikpuq River STATE or PROVINCE Alaska PAGE No. 119  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 21 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - cloudy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR. VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ΔB.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											685.3				
2															
3	S	880			89-31-05			4.0	+3.4		688.7	-	152		
4	"	1760			89-15-00			4.0	+19.0		704.3	-	153		
5	"	2640			88-52-45			10.0	+41.6	+41.7	727.0	0	154		
6	"	2640			271-07-30			10.0	+41.8			0			
7															
8	N	1100			90-16-22			10.0	+15.2	+15.1	742.1				
9	"	1100			269-44-16			10.0	+15.0						
10	"	220			89-59-36			4.0	-4.0		738.1	-	155		
11		~0~						6.0	-6.0		736.1	-	155-2	TK	
12	S	660			91-59-40			4.0	-27.0		713.1	-	156		
13	"	1540			90-27-31			10.0	-22.3	-22.2	719.9	0	157		
14	"	1540			269-33-01			10.0	-22.1			0			
15															
16	N	2122			91-09-50			10.0	+55.1	+52.9	772.8				
17		2122			268-50-50			10.0	+52.7						
18		1242			91-51-10			4.0	-44.2		728.6	-	158		
19		362			91-35-58			4.0	-14.1		758.7	-	159		
20		~0~						15.9	-5.9		766.9	-		TK BAS 78184	

TI-588B

SP 159 + 362'

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### STADIA SURVEY NOTES

AREA Ikpikpok River STATE or PROVINCE Texas PAGE No. 110  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 22 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold 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								HI	5.9		-5.9	766.9	0		
3															
4												766.34	✓	Bas	TRUE ELEV. - 78184
5												+0.6	VERT.	MISTIE	
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

TI-588B

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## STADIA SURVEY NOTES

AREA IPIKDUK RIVER STATE or PROVINCE Alaska PAGE No. 122  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 22 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - cloudy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1											461.8					
2																
3	N	1760			89-28-58			14.0		+1.9		463.7	-	167		
4	"	880			89-41-55			14.0		-9.4		452.4	-	168		
5		~0~						7.0		-7.0		454.8		169	π low point	
6	S	880			89-18-14			4.0		+6.7		468.5	-	170		
7	"	1760			88-50-45			4.0		+31.5		493.3	-	171		
8	"	2640			88-36-22			5.0	59.2	+59.6		521.4	0	172	{BASE of Hill}	
9	"	2640			271-24-39			5.0	459.9				0			
10																
11	N	1554			98-09-02	98-08-36		14.0	234.1	+234.0	755.4		Δ			
12	"	1554			261-52-10			14.0	233.8				Δ			
13	"	660			100-04-41			19.0		-129.5		625.9	-	173	* 19.0	
14		~0~						5.8		-5.8		749.6		173-6	π	
15	S	220			86-16-28			4.0		+10.3		765.7	-	174		
16	"	1105			86-56-57			15.0	45.6	+45.6		801.0	0	175		
17	"	1100			273-09-44			15.0	45.7				0			
18																
19	N	1210			92-10-50			10.0	480.0	+55.9	856.9		Δ			
20	"	1210			267-47-55			10.0	+55.8				Δ			

TI-588B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

12.77  
 5.09  
 7.77

### STADIA SURVEY NOTES

AREA IKPIKPUK RIVER STATE or PROVINCE Alaska PAGE No. 123  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 2 Mo. Yr. BOOK No.           
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold-windy-cloudy P.T.S. No.         

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1												856.9				
2																
3	N	230			91-57-10			4.0		-15.2		841.7	-	176		
4		~0~						5.9		-3.9		851.0	-	176-3 R		
5	S	550			89-04-01			4.0		+3.0		861.9	-	177		
6	"	1430			89-03-20			5.0	+18.6	+18.7		876.6	0	178		
7	"	1430			276-57-18			5.0	+16.8				0			
8																
9	N	2091			91-20-29			5.0	+53.9	+54.1	929.7		Δ			
10	"	2091			268-39-09			5.0	+54.2				Δ			
11	"	1221			91-60-49 *			4.0		-46.9		882.8	-	179	32-00-49	
12	"	341			91-27-37			4.0		-12.7		917.0	-	180		
13		~0~						4.7		-5.9		923.0	0	180+341 X	BAS 78183	
14																
15												922.76	✓		TRUE ELEV.	
16												+1.1	✓		VERT. MISTIE	
17																
18																
19																
20																

13.45  
 3/106  
 10.45

HI

?

TI-588B

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### STADIA SURVEY NOTES

 AREA Ikpikpok River

STATE or PROVINCE \_\_\_\_\_

 PAGE No. 124

 LINE No.(s) R-2

 PARTY No. 1184

 DATE 2

 Day 23 Mo. 78

Yr. BOOK No. \_\_\_\_\_

 SURVEYOR D. Jensen

 RODMAN T. Garcia WEATHER: \_\_\_\_\_

P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD-READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2															
3	N	1099			<del>88-05-10</del>		<del>88-04-02</del>	14.0	-23.1	-23.0	899.8				(Adj instr. peg)
4	"	1099			<del>27-35-32</del>		<del>271-35-45</del>	14.0	-23.0						
5	"	550			87-59-10			4.0		+15.3	915.1	-	181		
6		100						5.8		-5.8	894.0		181-4	π	181+440'
7	S	320			93-23-00			4.0		<del>17.7*</del>	<del>882.1</del>	-	182	876.3	-23.44
8	"	1210			93-01-01			14.0	-77.7	-77.7	822.1	0	183		
9	"	1210			266-58-48			14.0	-77.7			0			
10															
11	N	1320			86-15-25			5.0	-81.2	-81.2	740.9				
12	"	1320			273-44-48			5.0	-81.3						
13	"	440			86-08-25			4.0		+25.6	766.5	-	184		
14		100						5.8		-5.8	735.1		184-4	π	184+440'
15	S	440			98-09-59			4.0		-66.6	674.4	-	185		
16	"	1320			90-40-50			4.0		-20.9	720.0	-	186		
17	"	2200			89-24-50			14.0	8.5	+8.6	749.5	0	187		
18	"	2200			270-35-27			14.0	8.7			0			
19															
20															

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2nd \_\_\_\_\_

## STADIA SURVEY NOTES

AREA Ikpikpak River STATE or PROVINCE Alaska PAGE No. 125  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 23 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - cloudy 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												149.5				
2																
3	N	3145			87-44-26				5.0	-119.0	-119.3	630.2		Δ	187	
4	"	3145			272-16-16				5.0	-119.6				Δ		
5	"	2265			87-58-08				4.0		+76.3	706.5		-	188	
6	"	1385			89-50-17				4.0		-0.1	630.1		-	189	
7	"	660			95-29-59				21.0		-84.3	545.9		-	189-7	(Low point)
8	"	550			95-14-50				14.0		-54.3	575.9		-	190	
9		0							5.9		-5.9	624.3		-	190-8	X 190+550
10	S	330			88-42-13				4.0		+3.5	633.7		-	191	
11	"	1210			89-08-48				14.0	+4.0	+4.1	634.3		0	192	
12	"	1210			270-51-33				14.0	+4.1				0		
13																
14	N	2640			89-16-34				14.0	-19.4	-19.4	614.9		Δ		
15	"	2640			270-43-28				14.0	-19.4				Δ		
16	"	1760			89-48-52				4.0		+1.7	616.6		-	193	
17	"	880			90-48-27				4.0		-16.4	598.5		-	194	
18		10-							5.9		-5.9	609.0		-	195	X
19	S	880			87-35-20				5.0		+18.1	633.0		-	196	+32.0 666.9
20																

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STADIA SURVEY NOTES

AREA Ikpikpak River STATE or PROVINCE Alaska PAGE No. 126  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 23 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold P.T.S. No. \_\_\_\_\_

13.7  
2 5.0

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											614.9			
2														
3	S	1740			87-30-20			14.0	+62.7	+62.8		676.7	0	197
4	"	1740			272-30-02			14.0	+62.9				0	
5														
6	N	1760			91-52-03			14.0	+71.4	+71.2	747.9		Δ	
7	"	1760			268-09-24			14.0	+71.1				Δ	
8	"	880			91-55-52			4.0		-33.7		714.2	-	198
9		~0~						5.9		-5.9		742.0	-	199 X
10	S	880			89-09-43			4.0		+8.9		756.8	-	200
11	"	1760			88-42-27			10.0	+29.7	+29.8		777.7	0	201
12	"	1760			271-18-08			10.0	+36.0				0	
13														
14	N	1760			91-16-57			14.0	+53.4	+53.6	831.3		Δ	
15	"	1760			268-42-20			14.0	+53.8				Δ	
16	"	880			91-09-47			14.0		-31.9		799.4	-	202
17		~0~						5.9		-5.9		825.4	-	203 X
18	S	880			88-39-25			4.0		+16.6		847.9	-	204
19	"	1760			88-01-22			4.0		+36.7		888.0	-	205
20														

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### STADIA SURVEY NOTES

AREA Ikpikpuk River STATE or PROVINCE Alaska PAGE No. 127  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 24 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Garcia WEATHER: Warm - Windy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1											831.3			
2														
3	S	2090			87-57-22			10.0	+64.6	+64.3		895.6	0	205-3 205+330'
4	"	2090			272-01-46			16.0	+64.0				0	
5														
6	N	2640			89-26-10			5.0	-21.0	-21.0		874.7	Δ	
7	"	2640			270-33-57			5.0	-21.1				Δ	
8	"	2090			90-00-39			4.0		-4.4		870.2	-	206-
9	"	1210			90-13-46			4.0		-8.8		865.0	-	207
10	"	530			90-35-65			4.0		-7.4		867.2	-	208
11		-6-						5.9		-5.9		868.7	-	208-3 π 208+330'
12	S	550			88-43-41			4.0		+8.2		882.8	-	209
13	"	1430			87-39-25			4.0		+54.5		929.1	-	210
14	"	2310			87-24-32			4.0		+100.4		975.0	-	211
15	"	2880			87-18-52			14.0	+120.9	+120.9		995.5	Δ	211-5 211+550'
16	"	2880			272-4-07			14.0	+120.9				0	
17														
18	N	1760			90-25-25			14.0	+27.0	+27.0		1022.5	Δ	
19	"	1760			269-34-39			14.0	+27.0				Δ	
20														

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### STADIA SURVEY NOTES

AREA Ikpikpuk River STATE or PROVINCE Alaska PAGE No. 128  
 LINE No.(s) R2 PARTY No. 184 DATE 2 Day 24 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	-Final Elev. Diff.	ELEVATIONS		A.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											1022.5				
2															
3	N	1436			90-12-43			14.0		-19.3	1003.2	-	212		
4	"	550			90-26-17			4.0		-8.2	1014.3	-	213		
5		-0-						5.9		-5.9	1016.6		213.5	T 213+550'	
6	S	330			91-14-25			4.0		-11.1	1011.4	-	214		
7	"	1410			90-17-26			4.0		-11.2	1033.7	-	215		
8	"	2096			88-29-48			4.0		+50.8	1073.3	-	216		
9	"	2450			87-56-38			14.0	+73.9	+73.9	1096.4	0	216+374'		
10	"	2450			272-03-20			14.0	+73.9			0		BAS 78181	
11															
12											1092.08			TRUE ELEV.	
13											+4.3			VERT. MISJIE	
14															
15															
16															
17															
18															
19															
20															

12.25  
 2.00  
 12.25

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## STADIA SURVEY NOTES

AREA Ikpikpak River STATE or PROVINCE Alaska PAGE No. 129  
 LINE No.(s) R2 PARTY No. 1184 DATE 2 Day 24 Mo. 78 Yr. BOOK No.  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Warm - Windy P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD.			
1								TAKE OFF		781.81		1092.08	0			
2																
3	N	2266			90-35-10			10.0	+33.2	+33.0	1125.1		Δ	216+374'		
4	"	2266			269-25-15			10.0	+32.9				Δ			
5	"	1760			91-30-45			19.0		-65.5		1059.6	-	217		
6	"	880			91-26-50			4.0		-24.7		1100.4	-	218		
7		~0~						5.8		-5.8		1119.3		219	T	
8	S	880			86-27-41			4.0		+50.3		1175.4	-	220		
9	"	1540			86-27-31			10.0	+85.1	+85.2		1210.3	0	220-6		
10	"	1540'			273-32-44			10.0	+85.2				0			
11																
12	N	1760			88-26-10			14.0	-34.0	-34.0	1196.3		Δ			
13	"	1760			271-33-42			14.0	-34.0				Δ			
14	"	1540			88-27-00			10.0		+31.7		1208.0	-	221		
15	"	660			88-26-45			4.0		+13.9		1196.2	-	222		
16		-0-						5.9		-8.9		1170.4	-	222-6	T	
17	S	220			93-05-20			4.0		-15.9		1160.4	-	223		
18	"	1100			91-41-10			4.0		-36.4		1139.9	-	224		
19	"	1996			91-06-57			14.0	-52.9	-52.8		1123.5	0	225		
20	"	1996			268-53-12			14.0	-52.8				0			

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$$\frac{14.35}{3.00} = 11.58$$

$$\frac{11.98}{2.00} = 9.78$$

### STADIA SURVEY NOTES

AREA Ikpikpuks River STATE or PROVINCE Alaska PAGE No. 130  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 24 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Warm - Windy P.T.S. No. \_\_\_\_\_

133.9  
 2 135.0

11.78  
 2 316.0

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											1123.5			
2														
3	N	1780			88-41-16			10.0	-30.8	-30.9	1092.6	Δ	225	
4	"	1780			271-19-12			10.0	-31.0			Δ		
5	"	880			88-57-15			4.0		+12.1	1104.7	-	226	
6		~0~						5.9		+5.9	1098.5	-	227 X	
7	S	880			92-21-08			4.0		-40.1	1052.5	-	228	
8	"	1756			91-05-00			10.0	-43.2	-43.2	1049.4	0	229	
9	"	1756			268-55-00			10.0	-43.2			0		
10														
11	N	2646			87-54-16			4.0	-82.5	-82.7	966.7	Δ		
12	"	2640			272-06-13			4.0	-82.9			Δ		
13	"	1760			88-04-28			4.0		+55.1	1021.8	-	230	
14	"	880			88-48-14			4.0		+14.4	981.1	-	231	
15		~0~						5.9		-5.9	960.8	-	232 X	
16	S	880			88-45-17			4.0		+15.1	981.8	-	233	
17	"	1760			88-22-14			4.0		+46.0	1012.7	-	234	
18	"	1980			88-14-48			4.0	+46.6	+46.6	1013.3	0	234-2	
19	"	1780			271-45-24			4.0	+46.7			0		
20														

TI-588B

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2nd \_\_\_\_\_

### STADIA SURVEY NOTES

 AREA Ikpikpak River

 STATE or PROVINCE Alaska

 PAGE No. 131

 LINE No. (s) 2-2

 PARTY No. 1184

 DATE 2 Day 24 Mo. 78

Yr. BOOK No.

 SURVEYOR D. Jensen

 RODMAN T. Garcia

 WEATHER: Warm - Wonderful

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												1013.3				
2																
3	N	2424			89-16-00			10.0	-21.0	-21.1	992.2		Δ			
4	"	2420			270-44-30			10.0	-21.3				Δ			
5	"	1760			89-21-59			4.0		+15.5	1007.7		-	235		
6	"	880			89-18-45			4.0		+6.6	998.8		-	236		
7		-0-						5.9		-5.9	986.3			237	K	
8	S	880			87-51-00			4.0		+29.0	1021.2		-	238		
9	"	1320			87-51-48			10.0	+39.2	+39.3	1031.5		0	238-4		
10	"	1320			272-08-35			10.0	+39.4				0			
11																
12	N	1760			89-49-44			14.0	+8.7	+8.6	1040.1		Δ			
13	"	1760			270-10-45			14.0	+8.5				Δ			
14	"	1320			89-57-45			4.0		-3.1	1037.0		-	239		
15	"	440			89-39-55			4.0		-1.4	1038.7		-	240		
16		-0-						5.9		-5.9	1034.2			240-+ K		
17	S	440			71-14-29			4.0		-13.5	1020.6		-	241		
18	"	1320			91-34-08			4.0		-40.1	1000.0		-	242		
19	"	2200			90-35-39			14.0	-26.8	-36.7	1003.4		0	243		
20	"	2200			269-24-41			14.0	-36.0				0			

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### STADIA SURVEY NOTES

AREA Ikpikpak River STATE or PROVINCE Alaska PAGE No. 133  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 24 Mo. 78 Yr. BOOK No.  
 SURVEYOR D. Jensen RODMAN T. Garada WEATHER: Warm P.T.S. No.

LINE	Bearing of Sight	Stadio 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											1089.6			
2														
3	N	1430			91-37-23			14.0	-54.6		1035.1	-	256	
4	"	550			91-23-54			4.0	-17.4		1072.2	-	251	
5		~0-						5.9	-5.9		1083.7		251-5 π	
6	S	330			90-25-14			4.0	-6.4		1083.2	-	252	
7	"	1210			90-50-18			19.0	-36.7		1052.9	-	253	
8	"	2090			90-59-22			14.0	-50.1	-50.0	1039.6	0	254	
9	"	2090			269-00-59			14.0	-49.9			0		
10														
11	N	2640			91-26-12			14.0	+80.2	+80.1	1089.7		A	
12	"	2640			268-34-09			14.0	+79.9				A	
13	"	1760			91-41-00			4.0	-55.7		1064.0	-	255	
14	"	880			91-47-52			4.0	-31.6		1088.1	-	256	
15		~0~						6.0	-6.0		1113.7		257 π	
16	S	880			90-53-32			10.6	-23.7		1096.0	-	258	
17	"	1760			90-52-04			5.0	-31.7		1088.0	-	259	
18	"	2640			90-02-57			10.0	-12.3	-12.1	1107.6	0	260	
19	"	2640			269-57-34			10.0	-11.9			0		
20														

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### STADIA SURVEY NOTES

AREA Ikpikpak River STATE or PROVINCE Alaska PAGE No. 134  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 25 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cloudy - warm 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											1107.6			
2														
3	N	1760			88-09-42			10.0	-46.5	-46.6	1061.0		Δ 260	
4	"	1760			271-50-59			10.0	-46.8				Δ	
5	"	886			88-17-18			4.0		+22.3	1083.3	-	261	
6		-0-						5.9		-5.9	1055.1	-	262 K	
7	S	880			92-27-12			14.0		-51.7	1009.3	-	263	
8	"	1760			92-36-48			15.0		-95.2	965.8	-	264	
9	"	2630			90-54-09			14.0	-55.4	-55.1	1065.9	0	265	
10	"	2630			269-06-39			14.0	-54.8			0		
11														
12	N	<del>2380</del> 2280			92-13-48			14.0	+102.7	+102.5	1008.4		Δ	
13	"	<del>2380</del> 2280			267-46-50			14.0	+102.3				Δ	
14	"	1320			92-22-48			4.0		-58.8	1049.6	-	266	
15	"	440			92-01-44			4.0		-19.6	1088.8	-	267	
16		-0-						6.0		-6.0	1102.4		267-4 K, 267+440'	
17	S	440			91-18-43			4.0		-14.1	1094.3	-	268	
18	"	1320			91-39-40			19.0		-54.3	1051.1	-	269	
19	"	2200			91-20-35			14.0	-65.5	-65.4	1043.0	0	270	
20	"	2200			268-39-58			14.0	-65.2			0		

14.15  
 1.60  
 12.55  
 19.9  
 11.9  
 25.9

TI-568B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_



### STADIA SURVEY NOTES

AREA Ikpikpuk River STATE or PROVINCE Alaska PAGE No. 135  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 25 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D Jensen RODMAN T. Garcia WEATHER: warm P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											1043.0				
2															
3	N	1980			91-13-10			14.0	+56.1	+56.0	1099.0		Δ	270	
4	"	1980			268-47-25			14.0	+55.8				Δ		
5	"	1100			91-10-32			10.0		-32.6	1006.4		-	271	
6	"	220			90-54-25			4.0		-7.6	1091.5		-	272	
7		~0~						6.0		-6.0	1093.0			272-2	
8	S	660			90-28-50			4.0		-9.5	1089.5		-	273	
9	"	1540			90-08-19			4.0		-7.7	1091.3		-	274	
10	"	2420			89-52-32			10.0	+9.3	+9.6	1008.6	0	0	275	
11	"	2420			270-28-15			10.0	+9.9				0		
12															
13	N	1336			90-24-52			10.0	+19.7	+19.5	1128.1	1	Δ		
14	"	1336			269-35-57			10.0	+19.3				Δ		
15	"	440			90-50-05			4.0		-10.4	1117.7		-	276	
16		~0~						5.8		-5.8	1122.3			276-4π	
17	S	440			89-58-58			4.0		-3.9	1124.2		-	277	
18	"	1031			90-11-41			5.0	-8.6	-8.4	1119.00	0	0	277+598 BAS 78178	
19	"	1031			269-48-51			5.0	-8.3				0		
20											1119.08		0	TRUE ELEV. (Stadia used instead of chain.)	

115665

-0.6 VERT. MISTIE

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

2  
 14.68  
 8.02  
 6.66

2  
 2.31  
 2.31

### STADIA SURVEY NOTES

AREA Ikpikpak River STATE or PROVINCE Alaska PAGE No. 136  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 25 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Warm P.T.S. No. \_\_\_\_\_

132.1  
 23.0  
 107.1

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															
2															
3	N	2042			88-47	-40			5.0	-38.0	-38.1	1080.98		Δ	277+598'
4	"	2042			271-12	-57			5.0	-38.3				Δ <sub>1</sub>	
5	"	1760			88-47	-50			4.0	+32.9		1113.9		-	278
6	"	880			89-11	-38			4.0	+8.4		1089.4		-	279
7		~0~							6.0	-6.0		1075.0		-	280 T
8	S	880			89-10	-35			4.0	+8.6		1089.6		-	281
9	"	1320			89-18	-45			10.0	+5.8	+6.0	1086.98		0	281-4
10	"	1320			270-42	-01			10.0	+6.1				0 <sub>1</sub>	
11															
12	N	1760			88-06	-19			10.0	-48.2	-48.4	1038.58		Δ	
13	"	1760			271-34	-21			10.0	-48.6				Δ <sub>1</sub>	
14	"	1320			88-05	-40			4.0	+39.9		1078.5		-	282
15	"	440			87-57	-20			4.0	+11.7		1050.3		-	283
16		~0~							5.9	-5.9		1032.7		-	283-4 T
17	S	440			93-17	-58			4.0	-29.3		1009.3		-	284
18	"	1320			93-19	-34			4.0	-80.6		958.0		-	285
19	"	2178			93-07	-36			10.0	-128.8	-128.6	909.98		0	286
20	"	2178			266-53	-09			10.0	-128.3				0 <sub>1</sub>	

TI-5088

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

**STADIA SURVEY NOTES**

AREA Ikpikpuk STATE or PROVINCE Alaska PAGE No. 137  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 25 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Warm - Windy P.T.S. No. \_\_\_\_\_

14.10  
13.15  
20.25

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											909.98				
2															
3	N	2630			89-23-09			5.0	-23.2	-23.4	886.58		286		
4	"	2630			290-37-25			5.0	-23.6	✓					
5	"	1760			91-22-24			4.0		-46.3			287		
6	"	1320			93-20-25			14.0		-90.9			287.4	Low point - Lookout River	
7	"	880			93-67-47			14.0		-62.0			288		
8		-0-						5.9		-5.9			289	K	
9	S	880			86-14-22			6.0	+51.8	+51.9	938.48		290		
10	"	880			273-46-10			6.0	+52.0	✓					
11															
12	N	1980			89-22-04			10.0	-47.8	-10.5	926.48				
13	"	1980			276-38-29			10.0	-42.2						
14	"	1100			89-31-24			4.0		+5.2	931.7		291		
15	"	220			91-36-58			4.0		-11.5	915.0		292		
16		-0-						6.0		-6.0	920.5		292-2	K	
17	S	660			91-37-40			4.0		-22.7	903.8		293		
18	"	1540			89-02-14			4.0		+21.9	948.4		294		
19	"	2420			88-12-51			5.0	+70.4	+70.6	997.08		295		
20	"	2420			291-47-43			5.0	+70.8						

TI-5085

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Ikpikpuk River STATE or PROVINCE Alaska PAGE No. 138  
 LINE No. (s) R-2 PARTY No. 1184 DATE 2 Day 25 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Warm P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST			
1											997.08				
2															
3	N	2640			99-42-54			14.0	229.7	+230.2	1227.28		A 295		
4	"	2640			265-18-49			14.0	229.7	✓			0,		
5	"	1760			99-53-01			14.0		-163.8	1063.5		-	296	
6	"	880			94-42-00			4.0		-76.1	1151.2		-	297	
7		-6-						5.9		-5.9	1221.4			298 π	
8	S	478			87-44-29			5.6	+15.8	+15.9 ✓	1243.18		⊗	298	
9	"	478			272-76-12			26	+15.9				0,	298 + 478' GAS 78177	
10															
11											1241.06		✓	TRUE ELEV.	
12											+2.12		✓	VERT. MISTIE	
13															
14															
15															
16															
17															
18															
19															
20															

TI-558B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Ikpiqpuk River STATE or PROVINCE Alaska PAGE No. 139  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 25 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Snow - warm 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 of Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2															
3	N	1934		89-22	-03				5.0	-16.3	-16.6	1224.46		Δ	
4	"	1934		270-38	-43				5.0	-16.8				Δ <sub>1</sub>	
5	"	1540		90-20	-39				4.0		-13.2	1294.26		-	299
6	"	660		91-54	-05				14.0		-35.9	1188.56		-	300* C π
7		~0~							6.0		-6.0	1218.46		-	300-6 π
8	S	220		92-33	-33				4.0		-13.8	1290.66		-	301
9	"	1108		92-52	-57				4.0		-59.3	1165.16		-	302
10	"	1980		90-54	-04				10.0	-41.1	-40.9	1183.56		0	303
11	"	1980		269-06	-36				10.0	-40.8				0 <sub>1</sub>	
12															
13	N	990		91-44	-03				10.0	+40.0	+39.8	1223.36		Δ	
14	"	990		268-16	45				10.0	+39.7				Δ <sub>1</sub>	
15	"	110		91-29	-39				4.0		-6.9	1296.46		-	304
16		0							5.9		-5.9	1217.46		-	304-1 π
17	S	770		95-13	-44				19.0		-29.2	11134.16		-	305
18	"	1630		92-49	-39				10.0	-89.6	-89.3	1134.06		0	
19	"	1630		267-13	-12				10.0	-89.1				0 <sub>1</sub>	306
20															

TI-5888

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Awuna River STATE or PROVINCE Alaska PAGE No. 140  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 26 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Clear - warm P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											1124.56				
2															
3	N	2640			87-33-00			10.0	-102.9	-102.9	1034.16		306		
4	"	2640			272-27-02			10.0	-102.9						
5	"	1760			88-26-50			4.0	+38.6		1069.76	-	307		
6	"	880			88-21-28			14.0	+8.7		1039.86	-	308		
7		0-						6.0	-6.0		1025.16	-	309	T	
8	S	880			93-24-54			4.0	-56.4		974.76	-	310		
9	"	1760			92-43-06			4.0	-87.5		942.66	-	311		
10	"	2640			92-03-33			14.0	-108.9	-108.8	922.30	0	312		
11	"	2640			267-56-31			14.0	-108.8			0,			
12															
13	N	1430			90-01-23			14.0	+14.6	+14.5	936.86				
14	"	1430			269-58-51			14.0	+14.5						
15	"	530			90-16-34			4.0	-6.6		930.26	-	313		
16		0-						5.4	-5.4		931.46	0	313+530	BAS 78176	
17															
18											933.44	✓		TRUE ELEV.	
19											-1.98	✓		VERT MISTIE	
20															

14.15  
 2.0  
 12.15  
 1.0  
 11.15  
 0.0  
 10.15

TI-5098

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Awung River - Ikapikuk STATE or PROVINCE Alaska PAGE No. 141  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 26 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Clear - Warm P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2															
3	N	2130			89-46-45			14.0	+5.8	+5.9	939.34		Δ	213+536'	
4	"	2130			270-13-08			14.0	+5.9				Δ		
5	"	1760			90-51-18			19.0		-45.3	894.04		-	314	
6	"	880			90-56-30			10.0		-19.3	920.04		-	315	
7		~0~						5.9		-5.9	933.44			316	
8	S	880			89-59-08			5.0		-4.8	934.54		-	317	
9	"	1210			89-54-02			14.0	-11.9	-12.0	927.34		0,	317-3	
10	"	1210			270-05-32			14.0	+12.1					317+330'	
11															
12	N	3190			89-48-16			14.0	+3.1	+3.2	930.54		Δ		
13	"	3190			270-11-35			14.0	+3.3				Δ		
14	"	2640			90-15-22			4.0		-15.8	914.74		-	318	
15	"	1760			90-31-55			4.0		-20.3	910.24		-	319	
16	"	880			91-02-15			4.0		-19.9	910.64		-	320	
17		~0~						5.9		-5.9	924.64			321	
18	S	880			89-08-43			4.0		+9.1	939.64		-	322	
19	"	1760			89-19-10			4.0		+3.7	934.24		-	323	
20					89-15-38										

TI-508B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

13.86  
3.00

### STADIA SURVEY NOTES

AREA Awuna River - Iknikpak STATE or PROVINCE Alaska PAGE No. 142  
 LINE No.(s) R-2 PARTY No. \_\_\_\_\_ DATE 2 Day 26 Mo 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN \_\_\_\_\_ WEATHER: Warm - Clear 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											930.54			
2														
3	S	2640			89-01-04			15.0	+30.3	+30.1	960.64	0	324	
4	"	2640			270-58-25			15.0	+29.9			0 <sub>1</sub>		
5														
6	N	550			90-28-43			14.0	+18.6	+18.6	979.24	Δ		
7	"	550			269-30-40			14.0	+18.7			Δ <sub>1</sub>		
8		0						5.9		-5.9	973.34		324-5	X
9	S	330			91-13-09			4.0		-11.0	968.24	-	325	
10	"	1205			90-46-49			14.0	-30.4	-30.5	948.74	0	326	
11	"	1205			269-12-49			14.0	-30.5			0 <sub>1</sub>		
12														
13	N	2640			90-49-00			15.6	+52.6	+52.8	1001.54	Δ		
14	"	2640			269-10-37			15.0	+52.9			Δ <sub>1</sub>		
15	"	1760			91-01-35			4.0		-35.5	966.04	-	327	
16	"	880			91-02-00			4.0		-19.9	981.64	-	328	
17		0						5.9		-5.9	995.64		329	X
18	S	880			89-11-38			4.0		+8.4	1009.94	-	330	
19	"	1760			89-19-30			4.0		+16.7	1018.24	-	331	
20	"	2640			89-00-13			4.0		+41.9	1043.44	-	332	

14.56  
 2.00  
 12.08

TI-588B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_



### STADIA SURVEY NOTES

AREA Avuna River - Iktipituk STATE or PROVINCE Alaska PAGE No. 143  
 LINE No. (s) R-2 PARTY No. 1184 DATE 2 Day 26 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Warm - 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												1001.84				
2																
3	S	2906			88-43-46				15.0	+49.4	+49.3	1050.8	0	332+205	BAS 78175	
4	"	2906			271-15-52				15.0	+49.1			0			
5																
6												1049.73			TRUE ELEV.	
7												+1.1			VERT. MISTIE	
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

TI-566B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

**STADIA SURVEY NOTES**

AREA Awuna River - Ikkikpak STATE or PROVINCE Alaska PAGE No. 144  
 LINE No. (s) B-2 PARTY No. 1184 DATE 2 Day 26 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Warm - clear 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							TAKE OFF		781.75		1049.73	0		
2														
3	N	2410			90-35-46		88-43-41	10.0	-43.5	-43.6	1006.13		A	332+266'
4	"	2410			271-16-38			10.0	-43.7				A	
5	"	1760			89-00-20			4.0	+26.5		1032.63	-		333
6	"	880			89-23-00			4.0	+5.5		1011.63	-		334
7		~0-						6.0	-6.0		1000.13			335 π
8	S	660			90-35-46			14.0	-20.9	-20.9	985.23	0		335-6
9	S	660			269-24-22			14.0	-20.8			0		
10														
11	N	2640			88-55-00			10.0	-39.9	-40.1	945.13		A	
12	"	2640			271-05-25			10.0	-40.2				A	
13	"	2420			89-17-11			4.0	+26.1		971.23	-		336
14	"	1540			90-20-08			4.0	-13.0		952.13	-		337
15	"	660			91-51-24			4.0	-25.4		919.73	-		338
16		~0-						5.9	25.9		939.23			338-6 π
17	S	230			89-46-52			4.0	-3.2		941.93	-		339
18	"	1100			89-15-07			4.0	+10.4		955.53	-		340
19	"	1980			89-16-36			5.0	+20.0	+20.8	965.13	0		341
20	"	1980			270-43-29			5.0	+20.0			0		

TI-589B

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

**STADIA SURVEY NOTES**

AREA Awuna River - Ik-pik-puk STATE or PROVINCE Alaska PAGE No. 145  
 LINE No.(s) B-2 PARTY No. 1184 DATE 2 Day 26 Mo. 18 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Warm - Windy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD		
1												965.13			
2															
3	N	2640			89-41-20			15.0	+0.7	+0.5	965.63		Δ	341	
4	"	2640			270-19-00			5.0	+0.4				Δ <sub>1</sub>		
5	"	1760			89-52-28			4.0		-0.1	965.53		-	342	
6	"	880			89-49-28			4.0		-1.3	964.23		-	343	
7		~0~						5.9		-5.9	959.73			344 K	
8	S	880			90-00-48			4.0		-4.9	961.43		-	345	
9	"	1760			89-53-27			4.0		-0.6	965.03		-	346	
10	"	2640			89-42-26			10.0	+2.6	+3.7	969.33		0	347	
11	"	2640			270-18-00			16.0	+3.8				0 <sub>1</sub>		
12															
13	N	2640			90-44-49			14.0	+48.4	+48.4	1017.73		Δ		
14	"	2640			269-15-12			14.0	+48.4				Δ <sub>1</sub>		
15	"	1760			91-02-58			4.0		-36.2	981.53		-	348	
16	"	880			91-34-03			4.0		-28.1	989.63		-	349	
17		~0~						6.0		-6.0	1011.73			350 K	
18	S	880			89-01-37			4.0		+10.9	1028.63		-	351	
19	"	1760			89-08-25			4.0		+12.9	1030.63		-	352	
20															

TI-598B

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STADIA SURVEY NOTES

AREA Awuna River - Ikpik-puk STATE or PROVINCE Alaska PAGE No. 146  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 26 Mo. 78 Yr. BOOK No.  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Springtime 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												1017.73			
2															
3	S	2640			89-01-44			14.0	+30.9	+30.9		1048.53	0	353	
4	"	2640			270-58-32			14.0	+30.9				0		
5															
6	N	1320			91-21-27			14.0	+45.3	+45.2	1093.73		Δ		
7	"	1320			268-58-48			14.0	+45.2				Δ		
8	"	440			92-13-46			4.0		-21.1		1072.63	-	354	
9		-0-						6.0		-6.0		1087.93		354-4 T	
10	S	440			87-14-16			4.0		+17.2		1100.9	-	355	
11	"	1320			96-07-35			16.0	+79.2	+79.1		1172.83	0	356	
12	"	1320			273-52-09			10.0	+79.1				0		
13															
14	N	925			97-24-39			15.0	+53.9	+53.8	1226.6		Δ		
15	"	925			267-26-10			15.0	+53.7				Δ		
16		<del>144</del>						10.1		-10.1		1216.5		357	
17		0						6.1		-6.1		1220.6	9		BAS 98174
18												1221.74			TRUE ELEV
19												-1.2			VERT. MISTIE
20															

TI-588B

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CHECKED BY 1st

2nd

## STADIA SURVEY NOTES

AREA Colville River - ~~Ikpiak~~ Howard Pass STATE or PROVINCE Alaska PAGE No. \_\_\_\_\_  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 27 Mo. 78 Yr. BOOK No. 147  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Clear 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	N	2596			89-34-05				10.0	-9.6	-9.5	1212.2		Δ	
4	"	2596			276-25-50				10.0	-9.5				Δ	
5	"	1760			89-51-44				4.0		+0.2	1212.40	-	358	
6	"	820			90-12-10				4.0		-7.1	1205.10	-	359	
7		-0-							5.9		-5.9	1206.30		360	π
8	S	880			92-23-56				9.0		-55.8	1156.40	-	361	
9	"	1760			91-35-31				4.0		-52.9	1159.30	-	362	
10	"	2640			91-01-26				14.0	-61.2	-61.1	1151.1	0	363	
11	"	2640			268-58-43				14.0	-61.1			0		
12															
13	N	1540			87-10-13				15.0	-61.0	-61.1	1090.0		Δ	
14	"	1540			272-49-58				15.0	-61.1				Δ	
15	"	660			87-18-18				4.0		+21.0	1117.0	-	364	
16		-0-							5.9		-5.9	1084.1		364-6	π 364+660'
17	S	220			94-06-40				4.0		-19.8	1070.2	-	365	
18	"	1160			93-24-36				4.0		-69.4	1020.6	-	366	
19	"	1980			89-51-13				14.0	-8.9	-8.9	1081.1	0	367	
20	"	1980			270-09-00				14.0	-8.8			0		

TI-586B

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2nd \_\_\_\_\_

### STADIA SURVEY NOTES

Howard Pass.

AREA Colville River - Ikapikok STATE or PROVINCE Alaska PAGE No. \_\_\_\_\_  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 27 Mo. 78 Yr. BOOK No. 148  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Clear 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												1081.1				
2																
3	N	438			91-50-37				10.0	+24.1	+24.1	1105.2	Δ	367		
4	"	438			268-09-50				10.0	+24.0			Δ			
5		~0~							5.9		-5.9	1099.3		367-4	π	367+440'
6	S	331			91-20-02				10.0	-17.7	-17.7	1087.5	0	367-7		(North bank - Colville)
7	"	331			268-40-47				10.0	-17.6			0			
8																
9	N	1748			85-31-00				1.0	-135.6	-135.8	951.7	Δ			
10	"	1748			274-29-37				1.0	-136.0			Δ			
11	"	1650			85-58-03				4.0		+112.0	1063.7	-	368		
12	"	770			89-57-10				4.0		-3.4	948.3	-	369		
13		~0~							5.9		-5.9	945.8		369-7	π	
14	S	110			95-30-35				4.0		-14.6	937.1	-	370		
15	"	990			90-42-00				4.0		-16.1	935.6	-	371		
16	"	1870			89-48-08				14.0	-7.5	-7.5	944.2	0	372		(South bank - Colville)
17	"	1870			270-12-02				14.0	-7.5			0			
18																
19	N	2090			92-44-24				14.0	+113.9	+113.9	1058.1	Δ			
20	"	2090			267-15-47				14.0	+113.8			Δ			

12.38  
 8.00  
 ---  
 4.38  
 11.31  
 8.00  
 ---  
 3.31  
 9.77  
 1.00  
 ---  
 8.77

**STADIA SURVEY NOTES**

AREA Colville River - Ikpikuk STATE or PROVINCE Alaska PAGE No. \_\_\_\_\_  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 27 Mo. 78 Yr. BOOK No. 149  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Clear P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ΔB.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1058.1				
2																
3	N	1210			94-28-42				4.0		-98.5	959.6	-	373		
4	"	330			94-28-15				4.0		-29.7	1029.4	-	374		
5		6-							5.9		-5.9	1052.2		374-375		
6	S	550			89-38-35				4.0		-0.6	1057.5	-	375		
7	"	1436			89-39-31				15.0		-6.5	1051.6	-	376		
8	"	2310			89-34-46				14.0	+3.0	+3.2	1061.3	0	377		
9	"	2310			270-25-58				14.0	+3.4			0			
10																
11	N	1760			91-24-32				14.0	+57.5	+57.3	1118.6	Δ			
12	"	1760			268-35-22				14.0	+57.5			Δ			
13	"	880			91-40-00				4.0		-29.6	1089.0	-	378		
14		0-							5.9		-5.9	1112.7		379		π
15	S	880			89-52-53				4.0		-2.2	1116.4	-	380		
16	"	1730			89-26-25				10.0	+6.9	+6.9	1125.5	0	381		
17	"	1730			270-33-50				10.0	+7.0			0			
18																
19																
20																

10.65  
2.00  
8.65

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### STADIA SURVEY NOTES

AREA Colville River STATE or PROVINCE Alaska PAGE No. \_\_\_\_\_  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 27 Mo. 78 Yr. BOOK No. 150  
 SURVEYOR D. Jensen RODMAN T. Garcia 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												1125.5				
2																
3	N	2640			90-21-17				15.0	+39.6	+38.9	1164.4		Δ	381	
4	"	2640			269-29-08				15.0	+38.7				Δ <sub>1</sub>		
5	"	1760			96-39-01				4.0		-24.0	1140.40		-	382	
6	"	880			90-50-49				4.0		-17.0	1147.40		-	383	
7		~0~							5.9		-5.9	1158.50			384	π
8	S	880			89-01-41				4.0		+10.9	1175.30		-	385	
9	"	1760			88-39-04				4.0		+37.4	1201.80		-	386	
10	"	2640			88-32-38				4.0		+63.1	1227.50		-	387	
11	"	2940			88-22-37				15.0	+68.3	+68.6	1233.00		0	387+300'	# 78172
12	"	2940			271-38-05				15.0	+68.9				0 <sub>1</sub>		
13												1233.66				TREE ELEV.
14												-0.7				VERT. MISTLE
15																
16																
17																
18																
19																
20																

TI-568B

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2nd \_\_\_\_\_



**STADIA SURVEY NOTES**

AREA Colville River - Howard Pass STATE or PROVINCE Alaska PAGE No. 151  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 27 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Clear 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										781.72		1233.66	0	387+300	
2															
3	N	1460			89-40-24			14.0	+5.7	+5.7	1239.36		A		
4	"	1460			270-19-35			14.0	+5.7				Δ <sub>1</sub>		
5	"	880			89-46-22			4.0		-0.5	1238.8		-	388	
6		0-						5.9		-5.9	1233.4			389	π
7	S	880			91-15-38			4.0		-23.4	1215.9		-	390	
8	"	1760			90-51-10			14.0	-40.2	-40.2	1199.16		0	391	
9	"	1760			269-08-56			14.0	-40.1				0 <sub>1</sub>		
10															
11	N	2640			90-16-44			10.0	+22.9	+22.9	1222.06		Δ		
12	"	2640			269-43-15			10.0	+22.9				Δ <sub>1</sub>		
13	"	1760			90-45-17			4.0		-27.2	1194.8		-	392	
14	"	880			90-53-28			4.0		-17.7	1204.3		-	393	
15		0-						5.9		-5.9	1216.1			394	π
16	S	880			89-46-05			4.0		-0.4	1221.6		-	395	
17	"	1760			89-23-51			4.0		+14.5	1236.5		-	396	
18	"	2640			88-56-17			10.0	+38.9	+38.9	1260.96		0	397	
19	"	2640			271-03-45			10.0	+39.0				0 <sub>1</sub>		
20															

TI-588B

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*[Signature]*

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Colville River - Howard Pass STATE or PROVINCE Alaska PAGE No. 152  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 27 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Clear 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												1260.96			
2															
3	N	2640			90-39-00			14.0	143.9	+43.8	1304.76		Δ	397	
4	"	2640			269-21-20			14.0	+43.0				Δ		
5	"	1760			90-52-32			4.0		-30.9	1273.8		-	398	
6	"	880			91-05-30			4.0		-20.8	1283.9		-	399	
7		-0-						5.9		-5.9	1298.8		-	400	X
8	S	880			89-14-55			5.0		+6.5	1311.2		-	401	
9	"	1760			89-11-19			14.0		+10.9	1315.6		-	402	
10	"	2640			89-10-03			10.0	+28.4	+28.4	1333.16		0	403	
11	"	2640			270-49-50			16.0	+28.3				0		
12															
13	N	2090			92-10-53			14.0	+93.6	+93.4	1426.56		Δ		
14	"	2090			267-49-30			14.0	+93.3				Δ		
15	"	1210			92-49-10			4.0		-61.8	1364.7		-	404	
16	"	330			92-46-40			4.0		-20.0	1406.5		-	405	
17		-0-						5.9		-5.9	1420.6		-	405-3	X
18	S	550			88-54-52			4.0		+6.4	1422.9		-	406	
19	"	990			89-04-59			14.0	+1.8	+1.9	1428.46		0	406-4	
20	"	990			270-55-08			14.0	+1.9				0		

TI-5898

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2nd \_\_\_\_\_

**STADIA SURVEY NOTES**

AREA Colville River - Howard Pass STATE or PROVINCE Alaska PAGE No. 153  
 LINE No.(s) R-2 PARTY No. 1184 DATE 2 Day 23 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Clear 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											1428.46			
2														
3	N	880			86-48-10			14.0	-35.1	-35.1	1393.36		406-4 406+440	
4	"	880			275-12-04			14.0	-35.1					
5	"	440			86-36-55			4.0		+22.0	1415.3	-	407	
6		~ 0 ~						5.9		-5.9	1387.4		407-4 T	
7	S	440			94-35-58			4.0		-39.3	1354.0	-	408	
8	"	1320			93-59-52			10.0	-102.0	-102.0	1297.40	0	409 refraction - chain distance used instead of stadia.	
9	"	1320			266-00-45			10.0	-101.8			0		
10														
11	N	2640			85-25-11			14.0	-196.8	-196.9	1094.5			
12	"	2640			274-35-05			14.0	-197.0					
13	"	1760			85-46-24			4.0		+125.7	1220.1	-	410	
14	"	880			87-46-35			9.0		+31.7	1126.1	-	411 (North bank Ignarik R.)	
15		0						5.9		-5.9	1088.5	-	412 T	
16	S	880			89-32-30			4.0		+3.0	1092.4	-	413	
17	"	1760			89-33-49			4.0		+9.4	1103.8	-	414	
18	"	2640			89-23-02			14.0	+14.4	+14.4	1108.90	0	415	
19	"	2640			276-36-55			14.0	+14.3			0		
20														

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### STADIA SURVEY NOTES

 AREA Ipanavik River

STATE or PROVINCE \_\_\_\_\_

 PAGE No. 154

 LINE No.(s) R-2

 PARTY No. 1184

 DATE 2 Day 28 Mo. 78

Yr. BOOK No. \_\_\_\_\_

 SURVEYOR D. Jensen

 RODMAN T. Garcia

 WEATHER: Clear

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											1108.90			
2														
3	N	2640			90-17-50			14.0	+27.7	+27.6	1136.50		Δ 415	
4	"	2640			269-47-27			14.0	+27.5				Δ 1	
5	"	1760			90-18-47			10.0		-19.6	1116.8		- 416	
6	"	880			90-28-04			5.0		-12.2	1124.2		- 417	
7		~0~						5.9		-5.9	1130.5		- 418 π	
8	S	880			89-22-54			4.0		+5.5	1141.9		- 419	
9	"	1760			89-19-42			16.0		+10.0	1147.0		- 420	
10	"	2640			89-21-00			14.0	+15.9	+15.9	1152.4	0	421	
11	"	2646			270-39-06			14.0	+16.0				0 1	
12														
13	N	1980			91-04-24			14.0	+51.1	+51.1	1202.50		Δ	
14	"	1980			268-55-35			14.0	+51.1				Δ 1	
15	"	1100			91-26-41			14.0		-41.7	1161.7		- 422	
16	"	220			92-54-39			4.0		-15.2	1188.2		- 423	
17		~0~						5.9		-5.9	1197.5		- 423 2 π	
18	S	660			90-35-26			4.0		-10.8	1192.6		- 424	
19	"	1540			89-47-54			4.0		+1.4	1204.8		- 425	
20														

TI-588B

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### STADIA SURVEY NOTES

AREA Ignavik River STATE or PROVINCE Alaska PAGE No. 155  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 1 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: Fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												1203.50			
2															
3	S	2420			89-40-01			10.0	+4.1	+4.1		1207.6	0	426(67)	Begin 12-fold - will
4	"	2420			270-20-13			10.0	+4.2				0	426(127)	Continue rest of line R-2
5															conversion from 12-fold started at Sp. 425.
6	N	1320			90-40-25			10.0	+25.5	+25.5		1233.1			
7	"	1320			269-19-42			10.0	+25.4						
8	"	1760			90-32-40			10.0	<del>26.7</del>	-26.7		1206.3	-	426	Sideshot taken from instrument setup at Sp. 430
9	"	880			90-56-10			5.0		-19.4		1213.6	-	428	
10	"	440			91-29-44			5.0		-16.5		1216.5	-	429	
11		~0~						5.9		-5.9		1227.1		430	K
12	S	490			89-25-30			5.0		-0.6		1232.4	-	431	
13	"	880			89-10-25			5.0		+7.7		1240.7	-	432	
14	"	1320			89-15-23			10.0	+7.1	+7.7		1240.30	0	433	
15	"	1320			270-44-44			10.0	+7.2				0		
16															
17	N	280			90-33-18			10.0	+18.5	+18.6		1258.8			
18	"	380			269-26-57			10.0	+18.5						
19	"	440			90-50-31			5.0		-11.5		1247.2	-	434	
20		~0~						5.8		-5.8		1252.9		435	K

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## STADIA SURVEY NOTES

AREA Ippavik River STATE or PROVINCE Alaska PAGE No. 156  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 1 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: Foggy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											1258.80				
2															
3	S	440		89-32-16				4.0	-0.5		1258.2	-	436		
4	"	880		89-00-56				4.0	+11.1		1269.8	-	437		
5	"	1320		88-33-56				10.0	+23.6	+23.1	1289.8	0	438		
6	"	1320		271-26-28				10.0	+23.2			0			
7															
8	N	1320		91-20-47				15.0	+46.0	+46.0	1321.8	A			
9	"	1320		268-39-32				15.0	+45.9			A			
10	"	880		91-12-11				10.0	-28.5		1299.3	-	439		
11	"	440		91-14-16				4.0	-13.5		1314.3	-	440		
12		0-						5.9	-5.9		1321.9		441	X	
13	S	440		91-02-26				5.0	-13.0		1314.8	-	442		
14	"	880		90-03-08				5.0	-5.8		1322.0	-	443		
15	"	1320		89-59-54				5.0	-5.0		1322.8	-	444		
16	"	1760		89-47-28				5.0	+1.4		1329.2	-	445		
17	"	2200		89-30-33				10.0	+8.8	+8.8	1336.80	0	446		
18	"	2200		270-29-23				10.0	+8.8			0			
19															
20															

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### STADIA SURVEY NOTES

AREA Tenavik River STATE or PROVINCE Alaska PAGE No. 157  
 LINE No.(s) B-2 PARTY No. 184 DATE 3 Day 1 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorn WEATHER: Foggy 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											1336.6			
2														
3	N	2640			89-27-50			15.0	-9.7	-10.0	1326.6	Δ	446	
4	"	2640			270-32-50			15.0	-10.2			Δ		
5	"	2200			89-21-42			10.0		+14.5	1341.1	-	447	
6	"	1760			89-10-56			10.0		+15.1	1341.7	-	448	
7	"	1320			90-02-23			10.0		-10.9	1315.7	-	449	
8	"	880			90-59-55			19.0		-34.3	1292.3	-	450	
9	"	440			90-35-19			4.0		-8.5	1318.1	-	451	
10		~0						5.9		-5.9	1320.7		452 π	
11	S	440			89-55-00			4.0		-3.4	1323.2	-	453	
12	"	880			89-59-15			4.0		-3.8	1322.8	-	454	
13	"	1320			89-52-29			10.0		-7.1	1319.5	-	455	
14	"	1760			89-58-29			10.0		2.5	1324.1	-	456 * -9.2	
15	"	2200			89-48-10			10.0	-2.5	2.4	1324.20	0	457	
16	"	2200			270-11-59			10.0	-1.3			0		
17														
18	N	3080			91-21-01			10.0	+82.6	+82.5	1406.80	Δ		
19	"	3080			268-39-04			10.0	+82.5			Δ		
20	"	2640			91-41-48			4.0		-82.2	1324.5	-	458	

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### STADIA SURVEY NOTES

AREA Innarvik River STATE or PROVINCE Alaska PAGE No. 158  
 LINE No.(s) B-2 PARTY No. 1184 DATE 3 Day 1 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Scharr WEATHER: Fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1											1406.70			
2														
3	N	2200			91-53-28			4.0	-76.6		1330.1	-	459	
4	"	1760			92-10-33			4.0	-71.2		1335.5	-	460	
5	"	1320			92-40-40			4.0	-54.2		1352.5	-	461	
6	"	880			92-49-40			4.0	-46.9		1359.8	-	462	
7	"	440			92-49-50			4.0	-25.7		1381.0	-	463	
8		0						5.9	-5.9		1400.8	-	464	X
9	S	440			90-45-44			4.0	-9.9		1396.8	-	465	
10	"	880			90-39-11			4.0	-14.0		1392.9	-	466	
11	"	1320			90-40-14			4.0	-19.4		1387.3	-	467	
12	"	1760			90-44-03			15.0	-37.6		1369.1	-	468	
13	"	2200			90-36-05			14.0	-37.1		1369.6	-	469	
14	"	2040			90-46-56			15.0	-51.0		1355.7	-	470	
15	"	3080			90-14-43			14.0	-27.2	-27.3	1279.40	0	471	
16	"	3080			269-45-07			14.0	-27.3			0		
17														
18	N	1760			89-54-05	89-57-45		10.0	+8.8	+8.9	1388.70	Δ		
19	"	1760			270-02-05			10.0	+8.9			Δ <sub>1</sub>		
20														

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### STADIA SURVEY NOTES

AREA Ignavik River - Smith Mountain STATE or PROVINCE Alaska PAGE No. 159  
 LINE No.(s) B-2 PARTY No. 1184 DATE 3 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schörr WEATHER: Clear - cool 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											1388.30			
2														
3	N	1320			90-07-33			4.0	-6.9		1381.4	-	472	
4	"	880			90-04-04			4.0	-5.0		1383.3	-	473	
5	"	440			90-13-20			4.0	-4.4		1383.9	-	474	
6		~0~						5.9	-5.9		1382.4		475 T	
7	S	440			89-51-01			4.0	-2.9		1385.4	-	476	
8	"	880			89-50-44			4.0	-1.6		1389.9	-	477	
9	"	1320			89-43-08			4.0	-2.5		1385.8	-	478	
10	"	1760			89-34-07	89-33-45		10.0	+3.4	+3.6	1397.9	0	479	
11	"	1760			770-27-07			10.6	+3.9			0		
12														
13	N	1760			90-13-33			14.0	+20.9	+20.9	1412.8			
14	"	1760			269-46-45			14.0	+20.8					
15	"	1320			90-41-10			4.0	-19.8		1393.0	-	480	
16	"	880			90-26-16			4.0	-13.3		1399.5	-	481	
17	"	440			90-30-58			4.0	-8.0		1404.8	-	482	
18		~0~						5.9	-5.9		1406.9		483 T	
19	S	440			89-29-31			4.0	-0.1		1412.7	-	484	
20	"	880			89-23-49			4.0	+5.3		1418.1	-	485	

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**STADIA SURVEY NOTES**

AREA Smith Mountain STATE or PROVINCE Alaska PAGE No. 160  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorn WEATHER: Clear P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											1412.90				
2															
3	W	540			88-42-05			5.0	+7.2	+7.3		1420.2	0		
4	W	540			271-18-21			5.0	+7.3				0		
5															
6	E	1100			90-12-02			10.0	+13.9	+13.8	1434.0		Δ		
7	E	1100			269-48-20			10.0	+13.7				Δ		
8															
9	W	774			89-51-41			10.0	-8.1	-8.1		1425.9	0		
10	W	774			270-08-33			10.0	-8.1				0		
11															
12	E	580			90-13-20			10.0	+12.2	+12.2	1438.1		Δ		
13	E	580			269-47-06			10.0	+12.2				Δ		
14															
15	W	700			89-33-26			5.0	0.4	+0.4		1438.5	0	BAS 78169	
16	W	700			270-26-30			5.0	0.4				0		
17											1441.94			TRUE ELEV.	
18											-3.4			VERT. MISTIE	
19															
20															

+ 88.4  
 3.1  
 5.5  
 1.9  
 9.5  
 5.5  
 13.74  
 6.16  
 12.8  
 7.0  
 9.0  
 2.0  
 7.0

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### STADIA SURVEY NOTES

AREA Lisbonne Ridge STATE or PROVINCE Alaska PAGE No. 161  
 LINE No.(s) R-2 PARTY No. 7184 DATE 3 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD		
1							TAKE OFF	BA	78169		1441.94	0			
2															
3	W	700			89-33-26			5.0	+0.4	-0.4	1441.5		Δ		
4	V	700			270-26-30			5.0	-0.4				Δ <sub>1</sub>		
5															
6	E	715			90-01-56			5.0	-5.4	-5.4	1436.1		0		
7	E	715			269-58-14			5.0	-5.4				0 <sub>1</sub>		
8															
9	V	571			90-01-10			10.0	+10.2	+10.2	1446.3		Δ		
10	W	571			269-59-00			10.0	+10.2				Δ <sub>1</sub>		
11															
12	E	774			90-05-20			10.0	-11.2	-11.1	1435.2		0		
13	E	774			269-55-10			10.0	-11.1				0 <sub>1</sub>		
14															
15	W	830			89-42-38			5.0	+0.8	+0.9	1436.1		Δ		
16	V	830			270-17-00			5.0	+0.9				Δ <sub>1</sub>		
17		~0~						5.7		-5.7	1430.7		486	A	
18	S	440			88-44-42			9.0		<del>5.6</del>	1434.1		487	1442.	
19	"	880			89-10-55			4.8		+8.6	1444.7		488		
20	"	1320			89-08-55			9.0		+15.6	1451.7		489		

F 10.15  
 3.00  
 7.15  
 F 10.71  
 5.00  
 F 13.14  
 6.80

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### STADIA SURVEY NOTES

AREA Lisbonne Ridge STATE or PROVINCE Alaska PAGE No. 162  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: Clean P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											1436.1				
2															
3	S	1760			88-40-55			15.0	+25.5	+25.4		1461.5	0	490	
4	"	1760			271-18-46			15.0	+25.3				0		
5															
6	N	1540			92-21-33			14.0	+27.4	+27.3	1538.8		A		
7	"	1540			267-38-41			14.0	+27.3				A <sub>1</sub>		
8	"	1100			92-03-36			14.0		-55.3		1482.5	-	491	
9	"	680			92-11-19			4.0		-30.0		1508.8	-	492	
10	"	220			92-05-04			4.0		-12.0		1526.8	-	493	
11		-0-						5.8		-5.8		1535.0		493-2 $\pi$ 493+220	
12	S	220			89-07-21			4.0		-0.6		1538.2	-	494	
13	"	680			88-00-28			4.0		+19.6		1558.4	-	495	
14	"	1100			89-03-01			4.0		+14.2		1553.0	-	496	
15	"	1540			89-04-28			5.0	+19.9	+19.9		1558.7	0	497	
16	"	1540			270-55-48			5.0	+20.0				0		
17															
18	N	1760			<del>88-54-54</del>		88-57-54	15.0	-16.8	-16.9	1541.8		A		
19	"	1760			271-02-26			15.0	-17.0				A <sub>1</sub>		
20															

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### STADIA SURVEY NOTES

AREA Lisbonne Ridge STATE or PROVINCE Alaska PAGE No. 163  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: Clear 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												1541.8				
2																
3	N	1320			88-52-45			4.0		+19.5		1561.3	-	498		
4	"	880			88-57-57			4.0		+11.9		1563.7	-	499		
5	"	440			89-17-19			4.0		+1.5		1543.3	-	500		
6		~0~						5.9		-5.9		1535.9	-	501		τ
7	S	440			90-31-29			4.0		-8.0		1533.8	-	502		
8	"	880			90-37-09			4.0		-13.5		1528.3	-	503		
9	"	1320			90-34-37			4.0		-17.3		1624.5	-	504		
10	"	1700			90-03-33			14.0	-15.8	-15.7		1526.1	0	505		
11	"	1760			269-56-47			14.0	-15.6				0			
12																
13	N	2200			91-33-16			14.0	+73.7	+73.5		1599.6	Δ			
14	"	2200			268-27-18			14.0	+73.3				Δ			
15	"	1766			92-09-00			4.0		-70.0		1529.6	-	506		
16	"	1320			92-47-09			4.0		-68.2		1531.4	-	507		
17	"	880			93-54-36			4.0 10.0		-70.0		1529.6	-	508		
18	"	440			93-45-14			4.0 10.0		-38.8		1560.8	-	509		
19		~0~						5.8		-5.8		1593.8	-	510		τ
20	S	440			88-59-48			4.0		+3.7		1603.3	-	511		

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$\frac{1}{2} \frac{14.0}{3.0}$

## STADIA SURVEY NOTES

AREA Lishanne Ridge STATE or PROVINCE Alaska PAGE No. 164  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schaff WEATHER: Clear - Warm 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										1599.6				
2														
3	S	880			89-13-11			4.0	+8.0		1607.6	-	512	
4	"	1326			89-10-07			4.0	+15.2		1614.8	-	513	
5	"	1760			89-09-43			4.0	+21.7		1621.3	-	514	
6	"	2200			88-57-30			14.0	+26.0	+26.2	1625.8	0	515	
7	"	2200			271-03-08			14.0	+26.4			0		
8														
9	N	2200			92-18-20			14.0	+102.5	+102.5	1728.3	Δ		
10	"	2200			267-41-44			14.0	+102.5			Δ		
11	"	1760			93-03-04			4.0	-97.7		1630.6	-	516	
12	"	1326			93-37-50			4.0	-87.6		1640.7	-	517	
13	"	880			94-22-30			4.0	-71.1		1657.2	-	518	
14	"	440			95-06-36			4.0	-43.2		1685.1	-	519	
15		0~						5.9	-5.9		1722.4		520 T	
16	S	440			87-00-33			4.0	+18.2		1746.5	-	521	
17	"	880			86-58-05			5.0	+41.5		1769.8	-	522	
18	"	1100			87-02-32			5.0	+51.8	+51.8	1780.1	0	522-2	
19	"	1100			272-57-53			5.0	+51.9			0		
20														

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### STADIA SURVEY NOTES

AREA Lisbarne Ridge STATE or PROVINCE Alaska PAGE No. 165  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: Clean 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												1780.1			
2															
3	N	2420			88-44-00				15.0	-38.5	-38.5	1741.6		Δ	522-2
4	"	2426			271-15-53				15.0	-38.4				Δ	
5	"	2206			88-44-42				10.0		+38.2	1779.8		-	523
6	"	1760			88-27-45				14.0		+33.2	1774.8		-	524
7	"	1320			88-10-47				4.0		+37.9	1779.5		-	525
8	"	880			91-17-06				4.0		-23.7	1717.9		-	526
9	"	440			92-29-53				4.0		-23.2	1718.4		-	527
10		-0-							5.8		-5.8	1735.8			528 T
11	S	440			89-13-44				4.0		+1.9	1743.5		-	529
12	"	880			88-45-18				4.0		+15.1	1756.7		-	530
13	"	1320			89-31-20				4.0		+30.0	1771.0		-	531
14	"	1760			87-47-25				4.0		+63.9	1805.5		-	532
15	"	2200			272-23-12				14.0	+77.6	+77.6	1819.2		0	533
16	"	2200			87-36-47				14.0	+72.6				0	
17															
18	N	2200			93-07-53				14.0	+134.2	+134.2	1953.4 ✓		Δ	
19	"	2200			266-52-05				14.0	+134.2				Δ	
20															

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### STADIA SURVEY NOTES

AREA Ignavik - Lisborne Ridge STATE or PROVINCE Alaska PAGE No. 166  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: Fog 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												1953.4				
2																
3	N	1760			93-39-59				14.0		-126.5	1826.9	-	534		
4	"	1320			93-44-42				19.0		-105.2	1848.2	-	535		
5	"	880			93-36-49				22.0		-22.5	1875.9	-	536		
6	"	440			93-33-35				10.0		-32.3	1916.1	-	537		
7		~0~							5.9		-5.9	1949.5	-	538		K
8	S	446			89-24-02				4.0		+0.6	1954.0	-	539		
9	"	880			89-06-21				4.0		+11.3	1964.7	-	540		
10	"	1320			88-32-00				4.0		+29.8	1983.2	-	541		
11	"	1760			87-53-48				4.0		+66.6	2014.0	-	542		
12	"	2200			87-54-53				5.0		+75.1	2028.5	-	543		
13	"	2640			87-42-35				5.0	+100.5	+100.5	2053.9	0	544		
14	"	2640			272-17-25				5.0	+100.5			0			
15																
16	N	2222			91-27-23				10.0	+46.5	+46.4	2120.3	Δ			
17	"	2222			268-32-45				10.0	+46.7			Δ			
18	"	1760			91-26-49				5.0		-49.4	2070.9	-	545		
19	"	1320			91-34-55				5.0		-41.7	2078.9	-	546		
20																

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### STADIA SURVEY NOTES

AREA Lisborne Ridge STATE or PROVINCE Alaska PAGE No. 167  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD		
1											2120.3				
2		1320													
3	N	880			91-02-05			14.0		-37.6	2082.7	-	547		
4	"	440			91-31-43			14.0		-25.7	2094.6	-	548		
5		~0~						5.9		-5.9	2114.4	-	549	K	
6	S	440			93-26-00			10.0		-36.4	2083.9	-	550		
7	"	880			93-24-01			15.0		-67.2	2053.1	-	551		
8	"	1320			93-08-08			21.0		-93.2	2027.1	-	552		
9	"	1760			93-09-55			14.0		-110.2	2010.1	-	553		
10	"	2200			92-21-55			10.0	-100.8	-100.7	2019.6	0	554		
11	"	2200			267-38-21			10.0	-100.6			0			
12															
13	N	609			91-17-49			5.0	+18.8	+18.7	2038.3	Δ			
14	"	609			268-42-52			5.0	+18.7			Δ			
15	"	169			92-09-32			4.0		-10.4	2027.9	-	555+		
16		~0~						5.9		-5.9	2032.4	-	555+	109' K	
17	S	271			103-35-26			4.0		-67.7	1970.6	-	556		
18	"	711			98-46-41			14.0	-122.5	-122.5	1915.8	0	557		
19	"	711			261-13-35			14.0	-122.4			0			
20															

10.09  
4.50

10.11  
3.60  
7.11

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### STADIA SURVEY NOTES

AREA Lisbonne Ridge STATE or PROVINCE Alaska PAGE No. 168  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 3 Mo. 76 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Scherr WEATHER: fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											1915.8				
2															
3	N	660			86-19-05			5.0	-37.4	-37.4	1878.4	Δ	557		
4	"	660			273-40-41			5.0	-37.4			Δ			
5	"	220			88-10-49			4.0		+3.0	1881.4	-	558		
6		~0~						5.9		-5.9	1872.5		558+2 π	558+220'	
7	S	220			96-51-28			4.0		-30.3	1848.1	-	559		
8	"	660			91-23-50			10.6	-26.1	-26.1	1852.3	0	560		
9	"	660			268-30-02			10.6	-26.1			0			
10															
11	N	880			89-09-53			14.0	+1.2	+1.1	1853.4	Δ			
12	"	880			270-50-42			14.0	+1.0			Δ			
13	"	440			89-03-44			4.0		+3.2	1850.6	-	561		
14		~0~						5.9		-5.9	1847.5		562	π	
15	S	440			91-52-57			4.0		-18.5	1834.9	-	563		
16	"	880			91-46-20			5.0	-32.2	-32.2 ✓	1821.2	0	564		
17	"	880			268-14-10			5.0	-32.1			0			
18															
19															
20															

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### STADIA SURVEY NOTES

AREA Lisbonne Ridge STATE or PROVINCE Alaska PAGE No. 169  
 LINE No.(s) R-2 PARTY No. 1184 DATE \_\_\_\_\_ Day \_\_\_\_\_ Mo. \_\_\_\_\_ Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schaefer 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												1821.2			
2															
3	N	1590			88-45-27			14.0	-19.4	-19.4	1801.8		Δ	564	
4	"	1540			271-14-36			14.0	-19.4				Δ		
5	"	1100			88-50-40			4.0		+6.3	1808.1		-	565	
6	"	660			88-50-20			4.0		-0.6	1801.2		-	566	
7	"	220			88-33-13			4.0		+1.6	1803.4		-	567	
8		~0~						5.9		-5.9	1795.9		-	567-2	π 567+220
9	S	220			44-46-32			4.0		-22.3	1779.6		-	568	
10	"	660			94-36-56			4.0		-57.1	1744.7		-	569	
11	"	1100			93-56-32			4.0		-79.6	1722.2		-	570	
12	"	1540			93-18-16			14.0	-102.8	-102.8	1699.0		0	571	
13	"	1540			266-41-40			14.0	-102.8				0		
14															
15	N	1760			90-48-02			14.0	+38.6	+38.7	1737.7		Δ		
16	"	1700			269-11-43			14.0	+38.7				Δ		
17	"	1320			90-32-30			14.0		-26.5	1711.2		-	572	
18	"	880			90-40-32			4.0		-14.4	1723.3		-	573	
19	"	440			91-21-07			4.0		-14.4	1723.3		-	574	
20															

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### STADIA SURVEY NOTES

AREA Lisbonne Ridge STATE or PROVINCE Alaska PAGE No. 170  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Scherr WEATHER: Fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												1737.7			
2															
3		-0-									-5.9		1731.8	575	K
4	S	440			91-02-50						-4.4		1733.3	576	
5	"	880			89-52-20						-2.0		1735.7	577	
6	"	1320			90-00-06						-4.0		1733.7	578	
7	"	1760			89-58-01						-3.0		1734.7	579	
8	"	2200			89-49-33					-3.3	-3.2		1734.5	580	
9	"	2200			270-10-49					-3.1				0	
10															
11	N	1320			89-19-48						-10.4	-10.6	1723.9	581	
12	"	1320			270-40-48						-10.7			581	
13	"	880			89-24-18						+5.1		1729.0	581	
14	"	440			89-21-13						+1.0		1724.9	582	
15		-0-									-5.8		1718.1	583	K
16	S	440			90-30-27						-7.9		1716.0	584	
17	"	880			90-38-15						-13.8		1710.1	585	
18	"	1320			89-57-37						-4.1	-4.1	1719.8	580	
19	"	1320			270-02-33						-4.0			0	
20															

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### STADIA SURVEY NOTES

AREA Lisbonne Ridge STATE or PROVINCE Alaska PAGE No. 171  
 LINE No.(s) Q-2 PARTY No. 1184 DATE 3 Day 7 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											1719.8				
2															
3	N	1760			88-26-37		15.0	-32.8	-33.0	1686.8		A	586		
4	"	1760			271-34-03		15.0	-33.1				Aj			
5	"	1320			88-17-38		10.0		+29.3		1716.1	-	587		
6	"	880			88-22-43		4.0		+20.9		1707.7	-	588		
7	"	440			88-22-53		4.0		+8.4		1695.2	-	589		
8	"	100					5.8		-5.8		1681.0	-	590	X	
9	S	440			91-47-46		4.0		-17.8		1669.0	-	591		
10	"	880			91-18-41		4.0		-24.1		1662.7	-	592		
11	"	1320			90-52-55		4.0		-24.3		1662.5	-	593		
12	"	1760			90-57-07		4.0		-33.2		1653.6	-	594		
13	"	2200			90-43-13		4.0		-31.7		1655.1	-	595		
14	"	2650			90-26-36		10.0	-30.5	-30.5		1656.3	0	596		
15	"	2650			269-33-26		10.0	-30.5				0			
16															
17	N	2640			88-51-28		10.0	-42.6	-42.6	1613.7		A			
18	"	2640			271-08-30		10.0	-42.6				A			
19	"	2200			88-51-56		4.0		+37.6		1651.3	-	597		
20	"	1760			88-53-35		4.0		+30.0		1643.7	-	598		

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### STADIA SURVEY NOTES

AREA Lisborne Ridge STATE or PROVINCE Alaska PAGE No. 122  
 LINE No. (s) R-2 PARTY No. 1184 DATE 3 Day 8 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN T. Schorr WEATHER: Clear - calm P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1												1613.7				
2																
3	N	1320			88-57-30			4.0		+20.0		1633.7	-	599		
4	"	880			89-10-37			4.0		+8.6		1622.3	-	600		
5	"	440			90-09-10			4.0		-5.2		1608.5	-	601		
6		0						5.9		-5.9		1607.8	-	602	T	
7	S	440			91-08-28			4.0		-12.8		1600.9	-	603		
8	"	880			90-38-56			4.0		-14.0		1599.7	-	604		
9	"	1320			90-37-06			4.0		-12.2		1595.5	-	605		
10	"	1760			90-27-35			4.0		-18.3		1595.4	-	606		
11	"	2200			90-21-37			4.0		-17.8		1595.9	-	607		
12	"	2640			90-10-54			10.0	-18.4	-18.3		1595.4	0	608		
13	"	2640			269-49-10			10.0	-18.3				0			
14																
15	N	2192			90-09-49			14.0	+20.3	+20.2		1615.6				
16	"	2192			269-50-19			14.0	+20.2							
17	"	1760			90-25-25			4.8		-17.0		1598.6	-	609		
18	"	1320			90-29-47			4.0		-14.7		1600.9	-	610		
19	"	880			90-22-07			4.0		-9.7		1605.9	-	611		
20	"	440			90-28-48			4.0		-7.7		1607.9	-	612		

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### STADIA SURVEY NOTES

AREA Lisborne Ridge STATE or PROVINCE Alaska PAGE No. 173  
 LINE No.(s) B-2 PARTY No. 1184 DATE 3 Day 8 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: Clear - great P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD		
1											1615.6				
2		~0~						6.0		-6.0		1609.6	613	X	
3	S	440			89-50-18			4.0		-2.8		1612.8	614		
4	"	880			89-23-55			4.0		+5.2		1620.8	615		
5	"	1320			89-00-30			4.0		+18.8		1634.4	616		
6	"	1760			88-29-10			4.0		+42.5		1658.1	617		
7	"	2200			87-46-28			5.0	+80.4	+80.3		1695.9	618		
8	"	2200			272-13-08			5.0	+80.2				0		
9															
10	N	882			94-34-13			14.0	+84.3	+84.3	1780.2		Δ		
11	"	882			265-25-49			14.0	+84.3				Δ		
12	"	441			94-28-57			10.0		-44.5		1735.7	619		
13		~0~						5.9		-5.9		1774.9	620	X	
14	S	439			89-03-09			14.0	-6.7	-6.7		1773.5	621		
15	"	439			270-57-13			14.0	-6.7				0	622	
16													0		
17	N	1760			88-50-01			5.0	-30.8	-30.8	1742.7		Δ		
18	"	1760			271-10-06			5.0	-30.9				Δ		
19	"	1320			88-59-07			4.0		+19.4		1762.1	622		
20	"	880			88-33-10			4.0		+18.2		1760.9	623		

13.41  
 5.60

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**STADIA SURVEY NOTES**

AREA Lisborne Ridge STATE or PROVINCE Alaska PAGE No. 174  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 8 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Shorr WEATHER: Clear 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											1742.7			
2														
3	N	440			89-26-30			4.0	+0.3		1743.0	-	624	
4		~0~						5.9	-5.9		1736.8	-	625	X
5	S	440			89-27-27			4.0	+0.2		1742.9	-	626	
6	"	880			89-23-15			4.0	+5.4		1748.1	-	627	
7	"	1320			89-27-20			14.6	+0.5	+0.5	1743.2	0	628	
8	"	1320			270-37-49			14.0	+0.5			0		
9														
10	N	2640			85-40-05			5.0	-187.5	-187.5	1555.7			Δ
11	"	2640			274-10-37			5.0	-187.5					A <sub>1</sub>
12	"	2200			86-45-53			4.0		+120.2	1675.9	-	629	low point of hill
13	"	1760			87-36-10			4.0		+69.6	1625.3	-	630	
14	"	1320			88-12-20			4.0		+37.3	1593.0	-	631	
15	"	880			88-41-21			4.0		+16.1	1571.8	-	632	
16	"	440			89-15-14			4.0		+1.7	1557.4	-	633	
17		~0~						5.8		-5.8	1549.9		634	X
18	S	440			91-08-01			4.0		-12.7	1543.0	-	635	
19	"	880			91-13-48			4.0		-22.9	1532.8	-	636	
20	"	1320			91-06-35			4.0		-29.6	1526.1	-	637	

TI-588B

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_



### STADIA SURVEY NOTES

AREA Lisborne Ridge STATE or PROVINCE Alaska PAGE No. 175  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr 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.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1555.7				
2																
3	S	1760			90-49-07			4.0		-29.1		1526.6	-	638		
4	"	2200			90-40-02			4.0		-29.6		1526.1	-	639		
5	"	2640			90-21-51			10.0		-26.8	-26.8	1528.9	0	640		
6	"	2640			269-32-04			10.0		-26.8			0			
7																
8	W	2210			89-54-58			10.0		+10.8	+10.6	1539.5	Δ			
9	"	2210			270-05-24			14.0		+10.8			Δ			
10																
11	E	759			89-37-08			10.5		+5.5	-5.4	1534.1	0			BAS 78258
12	"	759			270-23-20			10.5		-5.5			0			
13												1534.90	0			
14												<del>-0.30</del>	0			TRUE ELEV. VERT. MISTIE
15																
16																
17																
18																
19																
20																

1/2 14.65  
 3.00  
 11.05  
 1/2 14.29  
 10.50  
 379

TI-588B

WORKED BY \_\_\_\_\_ CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

**STADIA SURVEY NOTES**

AREA Howard Pass - Tukoto Creek

STATE or PROVINCE Alaska

PAGE No. 176

LINE No.(s) R-2

PARTY No. 1184

DATE 3 Day 9 Mo. 78

Yr. 19 BOOK No.

SURVEYOR D. Jensen

RODMAN J. Schorr

WEATHER: Clear

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	E	644			89-08-20				11.0	+1.3	+1.3	1535.7			
4	"	644			270-51-43				11.0	+1.3					
5	W	2522			89-29-42				14.0		+8.2	1543.9	-	641	
6	"	2810			89-25-48				14.8	+14.0	+14.0	1549.7	0	642	
7	"	2810			270-39-13				14.0	+14.0			0		
8															
9	N	1760			89-51-22				10.0	+5.6	+5.6	1535.3			
10	"	1760			270-08-34				10.0	+5.6					
11	"	1320			90-13-42				4.0		-9.3	1546.0	-	643	
12	"	880			90-08-27				4.0		-6.2	1549.1	-	644	
13	"	470			90-03-37				4.0		-4.5	1550.8	-	645	
14		0							5.9		-5.9	1549.4		646	X
15	S	440			90-48-48				4.0		-10.2	1545.1	-	647	
16	"	880			90-53-40				4.0		-17.7	1537.6	-	648	
17	"	1320			90-43-12				4.0		-20.6	1534.7	-	649	
18	"	1760			90-45-33				14.0	-37.3	-37.4	1517.9	0	650	
19	"	1760			269-14-19				14.0	-37.4			0		
20															

13.22  
16.00  
3.22  
14.61  
2.09  
12.61  
1.22  
11.56  
1.50  
14.05

TJ 588B

WORKED BY W.W.

CHECKED BY 1st

2nd

**STADIA SURVEY NOTES**

AREA Howard Pass - Tukoto Creek STATE or PROVINCE Alaska PAGE No. 177  
 LINE No. (s) R-2 PARTY No. 1184 DATE 3 Day 9 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Scharr WEATHER: Clear 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												1517.0	1517.9		
2															
3	N	2640			89-20-50			10.0	-20.1	-20.3	1497.6			Δ	650
4	"	2640			270-39-45			10.0	-20.5					Δ	
5	"	2200			90-03-46			4.0		-6.4		1491.2		-	651
6	"	1760			90-16-23			4.0		-12.4		1485.2		-	652
7	"	1320			90-19-49			4.0		-11.6		1486.0		-	653
8	"	880			90-21-37			4.0		-9.5		1488.1		-	654
9	"	440			90-27-50			4.0		-7.0		1490.0		-	655
10		-0-						5.9		-5.9		1491.7			656 π
11	S	440			89-29-30			10.0		-6.1		1491.5		-	657
12	"	880			89-38-45			10.0		-4.6		1493.0		-	658
13	"	1320			89-39-14			10.0		-1.3		1496.3		-	659
14	"	1760			89-34-07			10.0		+3.3		1500.9		-	660
15	"	2200			89-35-12			4.0		+13.2		1510.8		-	661
16	"	2640			89-18-18			5.0	+27.0	+27.0		1524.6		0	662
17	"	2640			270-41-37			5.0	+27.0					0	
18															
19	S	2640			91-00-29			14.0	+60.4	+60.2	1584.8			Δ	
20	"	2640			269-00-10			14.0	+59.9					Δ	

TI-5888

WORKED BY W.W. CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

STADIA SURVEY NOTES

AREA Howard Pass - Tukuta Creek STATE or PROVINCE Alaska PAGE No. 178  
 LINE No.(s) R-2 PARTY No. 1124 DATE 3 Day 9 Mo. 12 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen (DJ) RODMAN J. Schorn WEATHER: Clear 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										1584.8				
2														
3	N	2200			91-00-10			14.0	-52.5		1532.3	-	663	
4	"	1760			91-59-59			14.0	-75.4		1509.4	-	664	
5	"	1320			91-03-56			10.0	-34.5		1550.3	-	665	
6	"	880			91-03-25			4.0	-20.2		1564.6	-	666	
7	"	440			91-04-18			4.0	-12.2		1572.6	-	667	
8		~0~						5.9	-5.9		1578.9	-	668	
9	S	440			89-55-55			4.0	-3.5		1581.3	-	669	
10	"	880			89-59-33			5.0	-4.9		1579.9	-	670	
11	"	1320			90-03-03			5.0	-0.2		1578.6	-	671	
12	"	1760			89-55-06			4.0	-1.5		1583.3	-	672	
13	"	2220			89-38-35			10.0	+3.8	+3.9	1588.7	0	673	
14	"	2220			270-20-20			10.0	+4.0			0		
15														
16	N	1760			90-13-15			14.0	+20.8	+20.8	1609.5		A	
17	"	1760			269-46-44			14.0	+20.8				A <sub>1</sub>	
18	"	1320			90-02-54			14.0	-15.1		1594.4	-	674	
19	"	880			90-14-51			4.0	-7.8		1601.7	-	675	
20	"	440			90-13-09			4.0	-5.7		1603.8	-	676	

2 14.1  
3.0

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WORKED BY W.W. CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

STADIA SURVEY NOTES

AREA Howard Pass - Tukoto Creek STATE or PROVINCE Alaska PAGE No. 179  
 LINE No. (s) R-2 PARTY No. 1184 DATE 3 Day 9 Mo. 78 Yr. BOOK No.  
 SURVEYOR D. Jensen RODMAN J. Schorr 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												1609.5				
2																
3		~0~														
4	S	440			91-22-25				4.0		-5.9	1603.6		677	T	
5	"	880			91-04-35				4.0		-14.5	1595.0	-	678		
6	"	1320			90-34-33				4.0		-20.5	1589.0	-	679		
7	"	1760			90-21-32				4.0		-17.3	1592.2	-	680		
8	"	2200			90-05-09				4.0		-15.0	1594.5	-	681		
9	"	2640			89-23-10				4.0		-7.3	1602.2	-	682		
10	"	2640			270-37-00				14.0	+14.3	+14.3	1623.8	0	683		
11																
12	N	2640			90-17-45				15.0	+14.4						
13	"	2640			269-41-59				15.0	+14.4						
14	"	2200			90-16-07				10.0							
15	"	1760			90-18-00				4.0		-20.3	1632.2	-	684		
16	"	1320			90-40-40				4.0		-13.2	1639.3	-	685		
17	"	880			90-40-06				4.0		-19.6	1632.9	-	686		
18	"	440			90-54-27				4.0		-15.8	1636.7	-	687		
19	"	~0~							4.0		-11.0	1641.5	-	688		
20									5.9		-5.9	1646.6		689	T	

TI-588B

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W.W

CHECKED BY 1st

2nd

STADIA SURVEY NOTES

AREA Tukuto Creek STATE or PROVINCE Alaska PAGE No. 180  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 9 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Scharr WEATHER: Dawn 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												1652.5				
2																
3	S	440			88-56	-33		4.0		+4.1		1656.6	-	690		
4	"	880			88-59	-00		10.0		+5.6		1658.1	-	691		
5	"	1320			88-35	-50		5.0		+27.3		1679.8	-	692		
6	"	1760			88-30	-04		4.0		+42.0		1694.5	-	693		
7	"	2200			88-30	-30		4.0		+53.2		1705.7	-	694		
8	"	2640			88-23	-48		10.0	+63.9	+63.9		1716.4	0	695		
9	"	2640			271-36	-24		10.0	+64.0				0			
10																
11	N	2200			91-15	-10		14.0	+62.2	+62.0		1778.4		0		
12	"	2200			268-45	-13		14.0	+61.9					0		
13	"	1760			91-29	-39		4.0		-49.9		1728.5	-	696		
14	"	1320			91-33	-55		4.0		-40.1		1738.3	-	697		
15	"	880			91-34	-54		4.0		-28.3		1750.1	-	698		
16	"	440			91-34	-40		4.0		-16.1		1762.3	-	699		
17		~0~						5.9		-5.9		1772.5	-	700		X
18	S	440			88-37	-39		4.0		+7.8		1786.2	-	701		
19	"	880			88-23	-30		4.0		+20.7		1799.1	-	702		
20	"	1320			88-22	-40		4.0		+33.4		1811.8	-	703		

TI-580B

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CHECKED BY 1st

2nd

STADIA SURVEY NOTES

AREA Tukuto Creek - Howard Pass STATE or PROVINCE Alaska PAGE No. 181  
 LINE No. (s) R-2 PARTY No. 1184 DATE 3 Day 10 Mo. 11 Yr. 88 BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorn 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												1978.4				
2																
3	S	1760			88-25-25			4.0		+44.4		1822.8	-	704		
4	"	2200			88-21-10			10.0	+53.2	+53.4		1831.8	0	705		
5	"	2206			211-39-16			10.0	+53.5				0			
6																
7	N	2650			92-08-12			14.0	+112.8	+112.7	1944.5					
8	"	2656			267-52-10			14.0	+112.5							
9	"	2200			92-33-15			4.0		-102.0		1842.5	-	706		
10	"	1760			92-39-23			4.0		-25.6		1852.9	-	707		
11	"	1320			92-50-24			4.0		-69.4		1875.1	-	708		
12	"	880			92-59-39			4.0		-50.0		1894.5	-	709		
13	"	440			93-54-28			4.0		-34.0		1910.5	-	710		
14		~G~						5.8		-5.8		1938.7	-	711		
15	S	446			90-26-42			4.0		-14.4		1930.1	-	712		T
16	"	880			91-01-25			15.0		-36.7		1913.8	-	713		
17	"	1320			90-53-55			14.0		-35.5		1909.0	-	714		
18	"	1760			91-13-47			14.0		-51.8		1892.7	-	715		
19	"	2146			91-22-25			14.0	-65.4	-65.6		1879.0	0	716		
20	"	2146			268-31-32			14.0	-65.5				0			

TI-500B

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*W.W.*

CHECKED BY 1st

2nd

STADIA SURVEY NOTES

AREA Tukuto Creek STATE or PROVINCE Alaska PAGE No. 182  
 LINE No.(s) R-2 PARTY No. 124 DATE 3 Day 10 Mo. 78 Yr. BOOK No.   
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: Clear P.T.S. No.

5000  
582

13.98  
3.00  
10.98

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												1279.0				
2																
3	N	1836			89-52-41			14.0	+10.1	+10.2	1889.7		Δ	716		
4	"	1836			276-07-01			14.0	+10.3				Δ			
5	"	1320			89-27-18			22.0		-9.4		1869.6	-	717		1899.6
6	"	880			89-14-31			21.0		-9.4		1869.6	-	718		1879.6
7	"	440			89-08-48			10.0		-3.4		1875.6	-	719		1885.6
8		00						6.2		-6.2		1872.8	-	720	π	1882.8
9	S	440			93-17-30			10.0		-35.3		1848.7	-	721		1853.7
10	"	880			93-32-43			10.0		-64.4		1814.60	-	722		1824.60
11	"	1320			93-06-32			4.0		-75.0		1803.40	-	723		1813.4
12	"	1760			92-14-07			4.0		-72.0		1806.40	-	724		1816.4
13	"	2196			91-18-54			14.0	-64.4	-64.5		1824.7	0	725	✓	
14	"	2196			268-40-48			14.0	-64.6				0			
15																
16	N	2200			91-27-15			16.0	+65.8	+65.8	1890.5		Δ			
17	"	2200			268-32-44			10.0	+65.8				Δ			
18	"	1760			91-26-31			4.0		-48.3		1842.2	-	726		
19	"	1320			91-36-49			4.0		-41.2		1848.3	-	727		
20	"	880			91-31-21			4.0		-27.4		1863.1	-	728		

TI-558B

WORKED BY

CHECKED BY 1st

2nd



**STADIA SURVEY NOTES**

AREA Tukuto Creek STATE or PROVINCE Alaska PAGE No. 183  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 10 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Scharr 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.			
1										1890.5					
2															
3	N	440			91-35-00			4.0	-16.2		1874.3	-	729		
4		40-						5.8	-5.8		1884.7	-	730	K	
5	S	440			88-54-20			4.0	+4.4		1894.9	-	731		
6	"	880			89-04-04			4.0	+16.3		1900.4	-	732		
7	"	1320			89-13-29			4.0	+13.9		1904.4	-	733		
8	"	1760			89-09-53			15.0	+10.7	+10.7	1901.2	0	734		
9	"	1760			270-50-18			18.0	+10.8			0			
10															
11	N	2200			89-10-05			16.0	-21.9	-22.0	1879.2				
12	"	2200			270-50-00			10.0	-22.1						
13	"	1760			89-13-27			4.0	+19.8		1899.0	-	735		
14	"	1320			89-13-32			4.0	+13.8		1893.0	-	736		
15	"	880			89-09-41			4.0	+8.9		1888.1	-	737		
16	"	440			89-12-00			4.0	+2.1		1881.3	-	738		
17		20-						3.9	-5.9		1873.3	-	739	K	
18	S	440			90-58-30			4.0	-11.5		1867.7	-	740		
19	"	880			90-35-46			4.0	-13.2		1866.0	-	741		
20	"	1320			90-23-42			4.0	-13.1		1866.1	-	742		

TI-588B

WORKED BY \_\_\_\_\_

CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

**STADIA SURVEY NOTES**

AREA Howard Pass STATE or PROVINCE Alaska PAGE No. 184  
 LINE No. (s) R-2 PARTY No. 1184 DATE 3 Day 10 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorn WEATHER: Clear 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										1879.2				
2														
3	S	1760			90-11-57			4.0	-10.1		1869.1	-	743	
4	"	2200			89-57-08			10.0	-8.2	-8.2	1871.0	0	744	
5	"	2200			276-07-38			10.0	-8.3			0		
6														
7	N	1760			90-21-20			10.0	+20.9	+20.7	1891.7			
8	"	1760			269-39-23			10.0	+20.6			A		
9	"	1320			90-29-28			4.0		-15.3	1876.4	-	745	
10	"	880			90-29-57			4.0		-11.7	1891.5	-	746	
11	"	440			90-31-28			4.0		-8.0	1883.7	-	747	
12		00						5.8		-5.8	1885.9		748 π	
13	S	440			90-15-29			4.0		-6.0	1885.7	-	749	
14	"	880			90-24-06			4.0		-10.2	1881.5	-	750	
15	"	1320			90-20-06			5.0		-12.7	1879.0	-	751	
16	"	1760			90-22-03			10.0		-21.3	1870.4	=	752	
17	"	2200			90-27-33			14.0	-31.6	-31.4	1860.8	0	753	
18	"	2200			269-33-07			14.0	-31.2			0		
19														
20														

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# STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE Alaska PAGE No. 185  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 10 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorr WEATHER: Clear P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1860.3				
2																
3	N	1724			88-14-17			2.0	-51.0	-51.0	1809.3		Δ	753		
4	"	1724			271-49-34			2.0	-50.9				Δ			
5	"	1320			91-47-10			25.0		-66.1		1743.2	-	754	(Low point Hill)	
6	"	880			91-46-10			22.0		-49.2		1760.0	-	755		
7	"	440			91-20-48			4.0		-14.3		1795.0	-	756		
8		0						5.8		-5.8		1803.5	-	757	π	
9	S	440			89-34-02			4.0		-0.7		1808.6	-	758		
10	"	880			89-36-16			4.0		+2.1		1811.4	-	759		
11	"	1320			89-39-30			4.0		+3.9		1813.2	-	760		
12	"	1760			89-26-47			14.0		+3.0		1812.3	-	761		
13	"	2200			89-38-40			14.0	-0.3	-0.3		1809.0	0	762		
14	"	2200			270-21-29			14.0	-0.3				0			
15																
16	N	2196			89-33-13			5.0	-12.1	-12.0	1797.0		Δ			
17	"	2190			270-26-30			5.0	-11.9				Δ			
18	"	1760			89-47-22			4.0		+2.5			-	763		
19	"	1320			91-07-32			4.0 <sup>5.9</sup>		-30.9			-	764		
20	"	880			90-57-35			4.0		-18.7			-	765		

$\frac{10.62}{2.60} = 4.08$   
 $\frac{2.60}{2.60} = 1.00$   
 Total = 5.08

$\frac{13.25}{3.60} = 3.68$   
 $\frac{3.60}{3.60} = 1.00$   
 Total = 4.68

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**STADIA SURVEY NOTES**

AREA Howard Pass STATE or PROVINCE Alaska PAGE No. 186  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 10 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schorn 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.			
1											1797.0				
2															
3	N	440			91-03-48			4.0		-12.2	1784.8	-	766		
4		-0-						5.9		-5.9	1791.1		767	X	
5	S	440			89-09-07			4.0		+2.5	1799.5	-	768		
6	"	880			88-42-12			4.0		+15.9	1812.9	-	769		
7	"	1320			88-43-41			4.0		+25.3	1822.3	-	770		
8	"	1760			88-42-04			4.0		+35.9	1832.9	-	771		
9	"	2200			88-27-40			15.0	+44.1	+44.0	1841.0	0	772		
10	"	2200			271-52-04			15.0	+43.9			0			
11															
12	N	1780			90-22-16			10.0	+21.5	+21.3	1862.3				
13	"	1780			269-38-20			10.0	+21.2						
14	"	1320			90-27-34			4.0		-14.6	1847.70	-	773		
15	"	880			90-25-11			4.0		-16.4	1851.9	-	774		
16	"	440			90-20-45			4.0		-6.7	1855.0	-	775		
17		-0-						5.7		-5.9	1856.4		776	X	
18	S	440			90-26-08			4.0		-17.3	1845.0	-	777		
19	"	880			91-01-10			4.0		-19.7	1842.6	-	778		
20	"	1320			90-04-56			4.0		-5.9	1856.4	-	779		

13.9  
5.0  
2-8.9

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2nd \_\_\_\_\_

**STADIA SURVEY NOTES**

AREA Howard Pass STATE or PROVINCE Alaska PAGE No. 187  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 10 Mo. 78 Yr. BOOK No.  
 SURVEYOR D. Jensen RODMAN J. Schorr 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												1862.3				
2																
3	S	1700			89-33	-15		4.0		+9.7				-	780	
4	"	2200			89-02	-45		14.0	+22.6	+22.7		1885.0	0		781	
5	"	2200			270-57	-36		14.0	+22.9				0			
6																
7	N	2640			92-16	-10		14.0	+118.5	+118.5	2003.5			A		
8	"	2640			267-43	-58		14.0	+118.4					Δ		
9	"	2200			92-41	-22		4.0		-107.2		1896.3	-		782	
10	"	1700			92-47	-20		4.0		-89.6		1913.9	-		783	
11	"	1320			92-40	-00		4.0		-65.4		1938.1	-		784	
12	"	880			92-48	-10		4.0		-45.0		1958.5	-		785	
13	"	440			92-48	-37		4.0		-25.6		1977.9	-		786	
14		-0-						5.9		-5.9		1997.6			787	X
15	S	440			87-23	-53		4.0		+16.0		2019.5	-		788	
16	"	880			87-32	-52		10.0		+27.7		2031.2	-		789	
17	"	1320			87-3	-55		14.0		+42.8		2046.3	-		790	
18	"	1760			87-41	-26		10.0		+60.9		2064.4	-		791	
19		2200			87-39	-23		5.0	+85.0	+85.0		2088.5	0		792	
20		2200			272-26	-47		5.0	+85.1				0			

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2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA Howard Pass STATE or PROVINCE Alaska PAGE No. 188  
 LINE No. (s) R-2 PARTY No. 1184 DATE 3 Day 10 Mo. 78 Yr. BOOK No.  
 SURVEYOR D. Jensen RODMAN J. Scharr WEATHER: Clear 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											2088.5			
2														
3	N	2310			94-14-16			5.0	+175.7	+175.6	2264.1		A	792
4	"	2310			265-46-04			5.0	+175.5				A	
5	"	1870			44-10-39			5.0		-141.2	2122.9		-	793
6	"	1430			94-26-02			5.0		-115.6	2148.5		-	794
7	"	990			94-38-48			4.0		-84.2	2179.9		-	795
8	"	550			<del>94-38-30</del> 94-21-20			4.0		-46.8	2217.3		-	796
9	"	110			95-24-55			4.0		-14.4	2249.7		-	797
10		0						5.7		-5.7	2258.4		-	797-1 T Reciprocal point
11	S	330			93-06-35			4.0		-21.9			-	798 { Tic into BAS 79160
12	"	770			92-41-31			14.0	-50.2	-56.1	2284.0		0	799 { on following page 190
13	"	770			267-18-36			14.0	-50.1				0	
14														
15	N	3300			88-33-23			5.0	-78.1	-78.0	2136.0		A	
16	"	3360			271-26-25			5.0	-77.9				A	
17	"	2860			89-08-15			4.0		+39.1	2175.1		-	800
18	"	2420			90-05-25			4.0		-7.8	2128.2		-	801
19	"	1980			91-09-25			4.0		-44.0	2092.0		-	802
20	"	1540			91-39-18			25.0		-69.5	2066.5		-	803 low part of hill

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**STADIA SURVEY NOTES**

AREA Howard Pass STATE or PROVINCE Alaska PAGE No. 189  
 LINE No.(s) R-2 PARTY No. 1184 DATE 3 Day 10 Mo. 18 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Jensen RODMAN J. Schann WEATHER: Clear - Windy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												2136.0				
2																
3	N	1100			91-37-46				22.0		-53.3	2082.7	-	804		
4	"	660			91-25-58				10.0		-26.5	2109.5	-	805		
5	"	220			91-22-30				4.0		-9.3	2126.7	-	806		
6		-0-							5.8		-5.8	2130.2		806-27		
7	S	220			91-22-30				4.0		-9.3	2126.7	-	807		
8	"	660			90-59-18				14.0		-25.0	2111.0	-	808		
9	"	1100			91-32-55				14.0	-43.7	-43.7	2092.3	0	809	Last Sp. L-R2	
10	"	1100			268-27-15				14.0	-43.7			0			
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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### STADIA SURVEY NOTES

AREA HOWARD PASS - HOWARD PASS STATE or PROVINCE ALASKA PAGE No. 190  
 LINE No. (s) R 2 PARTY No. 1184 DATE 10 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. JENSEN RODMAN'S SCHORR WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ΔB.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1			RECIPROCAL ANGLE SURVEY INTO BAS 78160													
2																
3			TAKE OFF SP 797-1 (TP-35) ELEV													
4																
5	TP35-TP36	15.129.6		91-51-35				H1	5.7		-487.1	1771.3				
6	"	"		268-08-40				HT	6.0							
7	TP36-TP35	15.129.6		88-10-28				H1	5.7							
8	"	"		271-50-24				HT	6.0							
9																
10	TP36-TP37	768.0		95-03-57				H1	5.7	<del>1703.0</del>		1702.6				
11	"	"		264-56-56				HT	6.0							
12	TP37-TP36	768.0		84-48-19				H1	5.7							
13	"	"		275-12-26				HT	6.0							
14																
15																
16			1703.41 BAS 78160													
17			- 0.8 MISTIE													
18																
19																
20																

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