

## STADIA SURVEY NOTES

AREA Ikpikpuk RIVER STATE or PROVINCE Alaska PAGE No. 1  
 LINE No.(s) 11-2 PARTY No. 1173 DATE 13 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Tippel RODMAN F O'Brien 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											424.0				
2		352.0	87	32	50			15.0	-135.9	288.1		Δ	781.00 (SP1)	423.99	
3		176.0	87	53	15			15.0	+49.9		338.0		TS1		
4		0	✓					5.0	-5.0		283.1		X	TS2	
5		176.0	89	33	18			15.0	-1.3		286.8			TS3	
6		352.0	88	46	20			15.0	+60.7		348.8			TS4	
7		483.0	88	34	10			15.0	+109.1		397.2	0		TS4+1430	
8															
9		154.0	90	15	02			15.0	+21.7	418.9		Δ			
10		121.0	89	55	40			15.0	+3.4		405.4			TS5	
11		0	✓					5.0	-5.0		413.9		X	TS5+1210	
12		55.0	91	25	40			15.0	-13.4		465.4	0		TS6	
13															
14															
15															
16															
17															
18															
19															
20															

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## STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 2  
 LINE No.(s) 02 PARTY No. 1173 DATE 14 Day 3 Mo 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R. Tippel RODMAN K. Barr 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												424.0	TBM 78100		
2		2530	88	04	02				15.0	-68.8			Δ	78100 - SP1	
3		✓	271	51	20				15.0				Δ		
4		770	89	05	00				6.0	+6.3				2	
5		0	✓						5.0	-5.0			κ	2+770	
6		990	90	16	40				15.0	-19.8				3	
7		2750	88	16	27				15.0	+66.5		421.1	0	4	
8		✓	271	39	58				15.0				0		
9															
10		333	✓						13.3	+13.4			Δ		
11		✓	✓						13.5				Δ		
12		0	✓						5.0	-5.0			κ	78101 (4+333)	
13		0	✓						5.0	-5.0		429.5	0	78101	079.45
14		0	✓						5.0				0		
15												429.5	TBM 78101		
16															
17															+0.7 MISFE ROW
18															
19															
20															

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## STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 3  
 LINE No.(s) U 2 PARTY No. 1173 DATE 14 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Ippisch RODMAN T Sherril WEATHER: Fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											429.5				
2		0	✓					5.0	+5.0			Δ	78101 = 4+333		
3		0	✓					5.0				Δ			
4		0	✓					5.0	-5.0			∇	78101 = 4+333		
5		877	✓					14.5	-14.8		420.0	0		4+1210	
6		✓	✓					15.0				0			
7															
8		2640	88	53	40			15.0	-35.1			Δ			
9		✓	271	03	40			15.0				Δ			
10		2090	89	22	50			2.0	+20.7				5		
11		330	✓					6.0	-6.0				6		
12		0	✓					5.0	-5.0			κ	6+330		
13		880	90	32	00			15.0	-23.5		361.7	0	6+1210		
14		✓	269	25	30			15.0				0			
15															
16		2310	89	01	50			15.0	-23.4						
17		✓	270	55	45			15.0	-17.1			Δ			
18		1760	90	04	13			15.0	-17.1				7		
19		1210	92	47	09			1.0	-59.8				7+550		
20		0	✓					5.0	-5.0			κ	8		

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## STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE OR PROVINCE Alaska PAGE No. 4  
 LINE No.(s) U2 PARTY No. 1173 DATE 14 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Tippisch RODMAN T Shemil 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																
2		1760	86	04	16			1	15.0	+105.0	443.9	0	9			
3		✓ 273	53	15					15.0			0				
4																
5		1760	91	56	10				15.0	+75.0		Δ				
6		✓ 268	01	25					15.0			Δ				
7		0 ✓							5.0	-5.0		π	10			
8		1760	88	43	56				5.0	+33.4	552.8	0	11			
9		✓ 271	13	38					5.0			0				
10																
11		1760	90	16	41				15.0	+24.1		Δ				
12		✓ 269	40	47					15.0			Δ				
13		720	92	14	30				7.0	-37.1			11+990			
14		0 ✓							5.0	-5.0		π	12			
15		990	90	19	02				15.0	-22.5			12+990			
16		1760	88	48	12				15.0	+21.8			13			
17		2322	88	28	12				15.0	+46.4	624.0	0	78102 = 13+56?			
18		✓ 271	29	35					15.0			0			623.96	
19											624.0		TBM 78102			
20																

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-2.3 MISTIE RAW

## STADIA SURVEY NOTES

AREA Ikpikpuk RIVER STATE or PROVINCE Alaska PAGE No. 5  
 LINE No.(s) U 2 PARTY No. 1173 DATE 14 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Tippisch RODMAN T Sherril 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											624.0				
2		1198	87	15	56			15.0	-41.8	582.2		Δ	78102 = 13 + 562		
3		✓ 272	41	36				15.0				Δ			
4		0 ✓						5.0	-5.0		577.2	π	14		
5		770	93	33	22			15.0	-63.0		519.2	o	14 + 770		
6		✓ 268	23	57				15.0				o			
7															
8		2200	89	38	32			15.0	+2.0	521.2		Δ			
9		✓ 270	18	50				15.0				Δ			
10		1210	94	50	25			4.0	-106.1		415.1		15		
11		0 ✓						5.0	-5.0		516.2	π	15 + 1210		
12		490	90	16	40			15.0	-17.3		503.9	o	15 + 1650		
13		✓ 269	40	26				15.0				o			
14															
15		2200	91	55	03			15.0	+89.5	593.4		Δ			
16		✓ 268	01	51				15.0				Δ			
17		2098	92	31	10			4.0	-95.8		497.6		16		
18		1100	96	34	02			1.0	-126.8		466.6		16 + 990		
19		330	97	04	41			4.0	-44.7		548.7		17		
20		0 ✓						5.0	-5.0		588.4	π	17 + 330		

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## STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 6  
 LINE No.(s) U 2 PARTY No. 1173 DATE 14 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Ippisch RODMAN T Sherril WEATHER: Fog 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		444	82	19	50			5.0	+15.5		608.9	0	78103 (17+774)		
3	✓	272	37	15				5.0				0		607.5	
4											78103 = 608.9				
5											0.0			MISTIE RAW	
6															
7															
8											608.9				
9	✓	986	88	38	25			15.0	-8.0	600.7		Δ	78103 (17+774)		
10	✓	271	18	43				15.0				Δ			
11	0	✓						5.0	-5.0		595.7	π	18		
12		550	92	30	40			15.0	-39.3		561.4	0	18+550		
13	✓	267	26	32				15.0				0			
14															
15		2200	84	44	40			5.0	-195.7	365.2		Δ			
16	✓	275	12	36				5.0				Δ			
17		990	86	17	01			4.0	+60.2		425.4		19		
18	0	✓						5.0	-5.0		360.2	π	19+990		
19		770	91	37	13			15.0	-36.8		328.4		20		
20															

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STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 7  
 LINE No.(s) U2 PARTY No. 1173 DATE 14 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Tapusch RODMAN TK Herri 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															
2		1760	91	12	05				15.0	-52.6	3126	0	204990		
3		✓	268	45	00				15.0			0			
4															
5		2530	88	52	48				5.0	-43.5	268.4	Δ			
6		✓	271	04	17				5.0			Δ			
7		1760	89	36	06				15.0	-2.7	265.7		21		
8		0	✓						5.0	-5.0	263.4	π	22		
9		1760	✓						7.6	-7.5	260.9		23		
10		2750	✓						7.8	-8.8	259.6	0	234990		
11		✓	✓						10.2			0			
12															
13		1760	✓						9.3	+9.9	268.8	Δ			
14		✓	✓						10.6			Δ			
15		990	✓						8.8	-8.8	260.0		24		
16		0	✓						5.0	-5.0	263.8	π	244990		
17		770	✓						2.3	-2.3	266.5		25		
18		2530	85	59	40				15.0	116.1	422.9	0	26		
19		✓	273	58	15				15.0			0			
20															

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**STADIA SURVEY NOTES**

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 8  
 LINE No.(s) U 2 PARTY No. 1173 DATE 14 Day 3 - Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Ippisch RODMAN Ksherril 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.			
1															
2		990	91	39	12			15.0	+43.9	473.1		Δ	26		
3		✓ 268	18	32				15.0				Δ			
4		0	✓					5.0	-5.0		468.1	K	26+990		
5		770	✓					8.6	-8.6		464.5		27		
6		2530	86	31	22			4.7	+148.1		621.2	0	28		
7		✓ 273	26	32				4.7				0			
8															
9		530	92	36	12			15.0	+40.3	660.9		Δ			
10		✓ 267	19	46				15.0				Δ			
11		0	✓					5.0	-5.0		655.9	K	28+550		
12		330	88	00	47			4.0	+7.4		668.3		29		
13		1210	87	38	30			4.0	+45.9		706.8		30		
14		2090	86	42	22			4.0	+116.2		777.1		31		
15		2240	86	34	05			15.0	+118.1		779.0	0	31+150=2810.4		
16		✓ 273	22	38				15.0				0		777.03	
17											779.0	TBM	7810.4		
18															
19											+3.3	MISTIE			
20															

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## STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 9  
 LINE No.(s) U-2 PARTY No. 1173 DATE 15 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Ippisch RODMAN T. Sherril 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												779.0	TBM	78104		
2		730	88	22	55			15.0		-5.3	773.6		Δ	31+150	(78104)	
3	✓	271	34	25				15.0					Δ			
4	0	✓						5.0		-5.0		768.6	κ	32		
5		110	94	25	12			4.0		-12.5		761.1	0	32+110		
6	✓	265	32	40				4.0					0			
7																
8		2530	84	58	43			4.0		-216.9	544.3		Δ			
9	✓	274	59	28				4.0					Δ			
10		1760	86	38	45			4.0		+99.1		643.4		33		
11		880	88	58	25			4.0		+11.8		556.1		34		
12	0	✓						5.0		-5.0		539.3	κ	35		
13		880	89	11	15			4.0		+8.5		552.8		36		
14		1760	87	23	40			4.0		+76.1		620.4		37		
15		2640	84	53	02			4.1		+226.2		770.5	0	38		
16	✓	274	59	13				4.1					0			
17																
18		550	96	28	23			15.0		+77.2	847.6		Δ			
19	✓	263	29	40				15.0					Δ			
20	0	✓						5.0		-5.0		842.6	κ	38+550		

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## STADIA SURVEY NOTES

AREA Ikpikpok RIVER STATE or PROVINCE Alaska PAGE No. 10  
 LINE No.(s) U2 PARTY No. 1173 DATE 15 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Tappsch RODMAN T Sherril 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																
2		330	86	55	23				4.0	+13.7		861.3		39		
3		880	87	16	13				15.0	+26.7		874.3	0	39+550		
4		✓	272	42	04				15.0				0			
5																
6		220	87	23	20				5.0	-5.0	869.4		Δ			
7		✓	272	35	08				5.0				Δ			
8		0	✓						5.0	-5.0		864.4	π	39+770		
9		110	102	01	55				4.0	-26.9		842.5		40		
10		990	95	50	07				15.0	-115.6		753.8		41		
11		1870	94	21	56				15.0	-157.3		712.1		42		
12		2750	94	02	54				15.0	-209.6		659.8	0	43		
13		✓	265	55	46				15.0				0			
14																
15		1650	89	48	40				15.0	+9.9	669.8		Δ			
16		✓	270	09	47				15.0				Δ			
17		770	92	16	25				15.0	-45.5		624.3		44		
18		0	✓						5.0	-5.0		664.8	π	44+770		
19		110	90	52	25				4.0	-5.7		664.1		45		
20		990	90	35	06				15.0	-25.1		644.7		46		

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STADIA SURVEY NOTES

AREA Ikipitpok RIVER STATE or PROVINCE Alaska PAGE No. 11  
 LINE No.(s) U 2 PARTY No. 1173 DATE 15 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Ippisc L RODMAN T Sherri WEATHER: Fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		1870	90	25	20				15.0		-28.7	641.1		47		
3		2750	89	43	12				15.0		-2.2	667.6	0	48		
4		✓ 270	14	56					15.0				0			
5																
6		2090	90	55	30				15.0		+49.2	716.8		Δ		
7		✓ 269	02	45					15.0					Δ		
8		1240	91	17	15				15.0		-42.2	674.6		49		
9		330	✓						14.3		-14.3	702.5		50		
10		0	✓						5.0		-5.0	711.8	π	50+330		
11		550	✓						3.6		-3.6	713.2		51		
12		1430	88	57	10				5.0		+21.2	738.0		52		
13		2310	88	39	27				15.0		+38.6	755.4	0	53		
14		✓ 271	18	47					15.0				0			
15																
16		2640	90	56	20				15.0		+59.1	814.6		Δ		
17		✓ 269	01	03					15.0					Δ		
18		1760	91	21	55				4.0		-49.9	768.7		54		
19		880	91	31	27				4.0		-27.4	787.2		55		
20		0	✓						5.0		+5.0	809.6	π	56		

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AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 12  
 LINE No.(s) U2 PARTY No. 1173 DATE 15 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Ipsich RODMAN T Sheffil WEATHER: Fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2		880	87	46	32			4.0	+30.2		844.8		57		
3		1760	87	05	06			5.0	+84.0		898.6	0	58		
4		✓	272	52	52			5.0				0			
5															
6		1760	95	42	40			15.0	+190.6	1089.2		Δ			
7		✓	264	15	12			15.0				Δ			
8		880	96	47	12			4.0	-108.0		981.2		59		
9		0	✓					5.0	-5.0		1084.2	π	60		
10		880	78	18	53			4.0	+174.2		1263.4		61		
11		1210	78	20	00			5.0	+239.5		1328.7	0	61+530		
12		✓	281	38	30			5.0				0			
13															
14		440	94	50	47			15.0	+52.3	(1380.9)		Δ	61+730		
15		✓	265	07	28			15.0				Δ			
16		0	✓					5.0	-5.0		1375.9	π	61+770		
17		110	✓					2.1	-2.1		1378.8		62		
18		440	90	09	40			15.0	-16.3		1364.6	0	62+530		
19		✓	269	48	35			15.0				0			
20															

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## STADIA SURVEY NOTES

AREA Ikpikput RIVER STATE or PROVINCE Alaska PAGE No. 13  
 LINE No.(s) U2 PARTY No. 1173 DATE 15 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Ipsich RODMAN Therril 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		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD			
1																
2		1100	83	26	15			100		-115.5	1249.2		Δ	62+330		
3	✓	276	32	10				100					Δ			
4		550	83	26	00			7.0		+55.9		1305.1		63		
5	0	✓						5.0		-5.0		1244.2	π	63+550		
6		330	98	36	04			4.0		-53.4		1195.8		64		
7		1210	97	08	25			4.0		-154.4		1094.8		65		
8		2090	95	56	43			15.0		-231.9		1017.3	0	66		
9	✓	264	01	32				15.0					0			
10																
11		1430	87	44	10			15.0		-41.2	976.1		Δ			
12	✓	02	14	20				15.0					Δ			
13		550	88	03	57			4.0		+14.6		990.7		67		
14	0	✓						5.0		-5.0		971.1	π	67+550		
15		330	93	10	00			4.0		-22.2		953.9		68		
16		440	91	58	28			15.0		-30.3		945.8	0	68+110		
17	✓	268	00	00				15.0					0			
18																
19		2530	89	23	45			15.0		-11.3	934.5		Δ			
20	✓	270	34	50				15.0					Δ			

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### STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 14  
 LINE No.(s) U2 PARTY No. 1173 DATE 17 Day 3 Mo. 72 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R. Tippisch RODMAN P. Sherril WEATHER: Pty 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.			
1															
2		1760	92	02	34			4.0		-66.7	867.8		69		
3		1430	93	34	12			7.0		-96.0	838.5		69+330		
4		880	93	32	06			4.0		-58.2	876.3		70		
5		0	✓					5.0		-5.0	929.5	π	71		
6		880	87	21	30			4.0		+36.6	971.1		72		
7		1210	87	21	25			15.0		+40.6	975.1	0	72+330		
8		✓	272	37	10			15.0				0			
9															
10		550	88	29	06			15.0		-9.4	965.7	Δ			
11		✓	071	29	28			15.0	BR			Δ			
12		0	✓					5.0		-5.0	900.7	π	73		
13		880	93	04	22			7.0		-54.2	911.5		74		
14		1760	93	04	12			15.0		-109.2	856.5		75		
15		2640	91	45	55			15.0		-97.0	868.7	0	76		
16		✓	268	11	53			15.0				0			
17															
18		880	92	35	07			15.0		+55.0	923.7	Δ			
19		✓	267	22	40			15.0	BR			Δ			
20		0	✓					5.0		-5.0	918.7	π	77		

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## STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 15  
 LINE No.(s) 12 PARTY No. 1173 DATE 17 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Ippisch RODMAN T Sherni WEATHER: Pty. 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		880	86	33	55			4.0	+48.7	972.4		78		
3		1760	86	32	31			7.0	+99.2	1022.9		79		
4		2640	86	32	28			5.0	+153.5	1077.2	0	80		
5		✓	273	25	15			5.0			0			
6														
7		433	91	26	40			15.0	+25.9	1103.1		Δ		
8		✓	268	33	20			15.0				Δ		
9		0	✓					5.0	-5.0	1098.1	π	80+433 = TBM 78107		
10		0	✓					5.0	-5.0	1098.1	0	80+433 = 78107		
11		0	✓					5.0			0			
12										78107 = 1098.1			1078.08	
13														
14													- 0.2 MISTIE RAW	
15														
16														
17														
18														
19														
20														

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### STADIA SURVEY NOTES

AREA T. Kupuk RIVER STATE or PROVINCE Alaska PAGE No. 16  
 LINE No.(s) U3 PARTY No. 1173 DATE 17 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R. Tappin RODMAN T. Sherrill WEATHER: Pty 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											1098.1				
2		797	87	49	55			15.0	-12.2	1089.5		Δ		80+433 = 78107	
3		✓ 272	07	51				15.0				Δ			
4		550	88	05	38			4.0	+4.3		1098.8	1	81		
5		0	✓					5.0	-5.0		1079.5	π	81+330		
6		330	93	22	50			4.0	-23.5		1061.0		82		
7		1210	92	00	56			4.0	-46.5		1038.0		83		
8		2310	91	37	47			15.0	-81.2		1003.8	0	84		
9		✓ 268	20	23				15.0				0			
10															
11		2646	89	07	40			15.0	-24.6	978.5		Δ			
12		✓ 270	50	22				15.0				Δ			
13		1760	89	37	56			4.0	+7.4		985.9		85		
14		880	90	29	58			4.0	-11.7		966.8		86		
15		0	✓					5.0	-5.0		973.5	π	87		
16		880	89	17	00			5.0	+5.8		984.3	0	88		
17		✓ 270	41	08				5.0				0			
18															
19		990	88	31	18			5.0	-20.3	965.1		Δ			
20		✓ 271	26	33				5.0				Δ			

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**STADIA SURVEY NOTES**

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 17  
 LINE No.(s) U2 PARTY No. 1173 DATE 17 Day 31 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Ippisch RODMAN F Sherrill 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																
2		110	88	47	08				4.0		-1.7		963.4		89	
3		0	✓						5.0		-5.0		960.1	κ	89+110	
4		770	93	59	12				4.0		-57.5		907.6		90	
5		1650	93	32	55				15.0		-117.1		848.0		91	
6		2530	93	16	57				15.0		-160.5		804.6	0	92	
7		✓	266	41	00				15.0					0		
8																
9		1970	88	15	25				5.0		-51.4	753.8		Δ		
10		✓	271	42	30				5.0					Δ		
11		990	89	06	47				4.0		+11.3		765.1		93	
12		220	95	52	46				1.0		-23.5		730.3		93+770	
13		110	96	24	20				4.0		-16.3		737.5		94	
14		0	✓						5.0		-5.0		748.8	κ	94+110	
15		7440	88	39	30				7.0		+3.3		757.1		94+550	
16		770	87	07	02				4.0		+34.7		788.5		95	
17		1650	86	26	50				15.0		+87.3		841.1		96	
18		2530	86	35	52				15.0		+134.5		888.3	0	97	
19		✓	273	22	04				15.0					0		
20																

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## STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 18  
 LINE No.(s) 12 PARTY No. 1123 DATE 17 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R Ippisch RODMAN T. Sherril 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																
2		880	88	27	43			15.0		-8.3	880.1		Δ	97		
3	✓		271	30	00			15.0					Δ			
4	0	✓						5.0		-5.0		875.1	π	98		
5		474	88	24	25			4.0		+9.0		889.1	0	97+406=78108		
6	✓		271	33	18			4.0					0		889.12	
7												78108 = 889.1				
8																
9																
10												889.1				
11		474	88	24	25			4.0		-9.0	880.1		Δ	97+406		
12	✓		271	33	18			4.0					Δ			
13	0	✓						5.0		-5.0		875.1	π	98	FOL	
14		500	94	02	50			7.0		-42.3		837.8	0	98+500		
15																
16		2970	87	22	20			4.0		-132.3	705.4		Δ			
17		2640	90	12	00			15.0		-24.1		681.4		TS1		
18		1760	90	12	10			4.0		-10.2		695.3		TS2		
19		880	90	19	55			4.0		-9.1		696.4		TS3		
20	0	✓						5.0		-5.0		700.4	π	TS4		

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## STADIA SURVEY NOTES

AREA Ikpikpak RIVER STATE or PROVINCE Alaska PAGE No. 19  
 LINE No.(s) 1-2 PARTY No. 1173 DATE 17 Day 3 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR Rippisch RODMAN T Sherril 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														
2		880	90	05	10			4.0	-5.3		700.1		T55	
3		1760	✓					5.5	-5.4		700.0		T56	
4		2640	✓					4.9	-4.2		701.3		T57	
5		3520	✓					7.5	-7.2		698.2	0	T58	
6														
7		330	98	19	50			4.0	+23.2	721.4		Δ		
8		0	✓					5.0	-5.0		716.4		T58 + 330	
9		550	89	15	10			9.0	+3.2		724.5		9	
10		1430	88	44	30			4.0	+27.4		748.8		10	
11		2310	88	37	35			4.0	+51.5		772.9		11	
12		3190	87	57	07			4.0	+110.2		831.6		12	
13														
14														
15														
16														
17														
18														
19														
20														

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