

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 1
 LINE No.(s) 071-77 PARTY No. 1173 DATE 10 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN A. GARCIA WEATHER: SNOW-WHITE-OUT 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												693.4	REF. L-4 R-23		LINE 078	
2	W	990		90	37	10		10.0		+20.4	713.8		Δ	INT	078/071 =	
3		✓		269	24	50		10.0					Δ	S.F.	5 LINE 071	
4		0						5.0		-5.0		708.8	#	4+770		
5	E	770		91°	04'	00		15.0		-29.1		684.7	0	4		
6		✓		268	58	00		15.0					0			
7	W	3190		88	52	10		15.0		-48.5	636.2		Δ			
8		✓		271	09	00		15.0					Δ			
9		1430		91	58	40		15.0		-1.4		571.8		3		
10		0	✓					5.0		-5.0		631.2	π	2+330		
11	E	330		88	01	20		8.0		+6.4		642.6		2		
12		880		88	08	45		5.0		+23.7	+23.7	659.2	0	1+1210		
13		✓		271	53	00		5.0					0			
14	W	220	✓					2.6		+2.7	662.6		Δ			
15		✓						2.8					Δ			
16		0	✓					5.0		-5.0		657.6	π	1+990		
17	E	990		93	09	20		15.0		-69.5		593.1	0	1	EAST END	
18				266	51	00		15.0					0		OF LINE	
19																
20															NO TAIL SPREAD	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 2
 LINE No.(s) 071-77 PARTY No. 1173 DATE 10 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. GAROIA WEATHER: SNOW P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2	W	1760		89 42 40				5.0		-4.4	689.0	693.4	Δ	INT 078/071	S.P. 431 @ L-078
3		✓		270 19 20				5.0					Δ	INT 078/071	
4		0	✓					5.0		-5.0		684.0	π	6	
5	W	1760		90 22 50				15.0		-26.7		662.3		7	
6	2310	2190		90 17 40				15.0		-26.3		662.7	0	7 + 550	
7		✓		269 44 10				15.0					0		
8	E 120 1430			88 19 40				7.0		-28.7	634.0		Δ		
9		✓		271 42 20				7.0					Δ		
10		880		88 20 40				3.0		+22.4		656.4		8	
11		0	✓					5.0		-5.0		629.0	π	9	
12	W	550	✓					14.0		-7.0		620.0		9 + 550	
13		880	✓					2.0		-2.0		632.0		10	
14	(1650)	1650		89 27 10				15.0		-3.6		630.4	0	10 + 770	
15				270 24 50				15.0					0		
16	E	1870		91 35 30				15.0		+66.4	696.8		Δ		
17		✓		268 26 20				15.0					Δ		
18		1760		91 49 20				15.0		-71.0		625.8		11	
19		880		91 16 30				15.0		-33.0		663.8		12	
20		0	✓					5.0		-5.0		691.8	π	13	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALABAMA PAGE No. 3
 LINE No.(s) 071-77 PARTY No. 1173 DATE 10 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERWILL RODMAN A. GARCIA WEATHER: SNOW - HAZE 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												696.8				
2	W	880	✓					12.7		-12.7		684.1		9.A.14		
3		1210		90 23 50				15.0		-23.1		673.7	○	14+830		
4		✓		269 37 50				15.0					○			
5	E	1100		88 23 20				2.0		-29.2		644.5	△			
6		✓		271 38 20				2.0					△			
7		550		89 45 10				3.0		-0.6		643.9		15		
8		0	✓					5.0		-5.0		639.5	π	15+550		
9	W	330		86 53 00				3.0		+14.9		659.4		16		
10		1210		85 54 00				10.0		+76.9		721.4	○	17		
11		✓		274 08 00				10.0					○			
12	E	330	✓					14.8		+14.9		736.3	△			
13		✓	✓					15.0					△			
14		0	✓					5.0		-5.0		731.3	π	17+830		
15	W	550	✓					9.2		+9.1		727.2	○	18		
16		✓	✓					8.9					○			
17	E	880		89 19 40				15.0		+4.4		731.6	△			
18		✓		270 42 20				15.0					△			
19		0	✓					5.0		-5.0		726.6	π	19		
20	W	880		90° 22' 00"				15.0		-20.6		711.0		20		

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STADIA SURVEY NOTES

AREA N. P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 4
 LINE No. (s) 071-77 PARTY No. 1723 DATE 12 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERBILL RODMAN A. GARCIA WEATHER: DARK - CLEAR P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	SEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF I.S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1												737.6				
2	W	1760		90 29 50				15.0		-29.8		701.8	0	21		
3		✓		269 32 00				15.0					0			
4	E	880		90 48 10				15.0		+27.1		728.9	Δ			
5		✓		269 13 50				15.0					Δ			
6		0	✓					5.0		-5.0		723.9	π	22		
7	W	550		88 49 20				2.0		+9.5		738.4	0	22 + 550		
8				271 12 30				2.0					0			
9	E	1090	✓					8.6		+8.5		746.9	Δ	22		
10		✓						8.4					π	22		
11		700	✓					7.8		-7.8		739.1		23		
12		0	✓					5.0		-5.0		741.9	π	23 + 660		
13	W	180	✓					7.2		-7.2		739.7		24		
14		730		91 05 10				15.0		-28.7		718.2	0	24 + 550		
15		✓		268 56 30				15.0					0			
16	E	1760		87 03 20				15.0		-75.8		692.4	Δ			
17		✓		272 58 10				15.0					Δ			
18		1430		87 19 10				15.0		+51.9		694.3		25		
19		550	✓					5.6		-5.6		636.8		26		
20		0	✓					5.0		-5.0		637.4	π	26 + 550		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 5
 LINE No.(s) 071-77 PARTY No. 1173 DATE 12 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHEARILL RODMAN A. GARCIA WEATHER: CLEAR - COLD P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Δ B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1												642.4				
2	W	330		90 09 10				15.0		-15.9		626.5		S.P. 27		
3		1210		90 23 20				15.0		-23.2		619.2		28		
4		1760		90 39 40			(90 39 40)	15.0		-34.8		607.6	0	28 + 550		
5		✓		269 22 10				15.0					0			
6	E	1540		88 23 00				15.0		-28.8	578.8		Δ			
7		✓		271 38 20				15.0					Δ			
8		1210		89 07 10				15.0		+3.6		582.4		29		
9		330	✓					6.6		-6.6		572.2		30		
10		0	✓					5.0		-5.0		573.8	π	30 + 330		
11	W	550	✓					8.7		-8.7		570.1		31		
12		1430		89 30 20				15.0		-2.2		576.6	0	32		
13		✓		270 31 40				15.0					0			
14	E	1210		88 00 20				15.0		-27.5	549.1		Δ			
15		✓		272 01 40				15.0					Δ			
16		330	✓	88 32 40				3.0		+5.4		554.5		33		
17		0	✓					5.0		-5.0		544.1	π	33 + 330		
18	W	550		92 18 40				15.0		-37.2		511.9		34		
19		1430		92 56 10				15.0		-87.9		461.2	0	35		
20		✓		267 65 30				15.0					0			

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 6
 LINE No.(s) 071-77 PARTY No. 1173 DATE 12 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN A. GARCIA WEATHER: CLEAR-COLD P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.		
1											461.2			
2	E	1760		92 07 00			15.0		+79.5	540.7		Δ	35	
3				267 55 10			15.0					Δ		
4		1650		93 16 40			15.0		-109.4		431.3		35+110	
5		880		93 07 00			15.0		-62.9		477.8		36	
6		0					5.0		-5.0		535.7		π 37	
7	W	880		88 28 40			3.0		+20.4		561.1		38	
8		1058		88 27 00			3.0		+25.9		566.6		⊙ INT 073/071 = TBM 073-06	
9				271 35 00			3.0						⊙ = S.P. 38+178 = TBM 071-03	
10	E	15									566.2		BAROR SURVEY	
11														
12											40.4		MISTIE	
13											566.2			
14	E	1580					11.8		+11.4	577.6		Δ	TBM-071-03 & TBM 073-06	
15							11.0					Δ	= S.P. 38+178/071 26+760/073	
16		880					6.6		-6.6		571.0		39	
17		0					5.0		-5.0		572.6		π 40	
18	W	770		90 39 10			15.0		+23.5		554.1		⊙ 40+T70 554.2	
19				269 22 50			15.0						⊙	
20														

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 7
 LINE No.(s) 071-77 PARTY No. 1173 DATE 12 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN A. GARCIA WEATHER: CLEAR-COLD P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												554.1				
2	E	660		86 31 30				3.0		-37.2	516.9		Δ	40+770		
3		✓		273 30 20				3.0					Δ			
4		650		86 33 20				3.0		+30.1		547.0		41		
5		0	✓					5.0		-5.0		511.9	↑	41+550		
6	W	330		94 22 00				15.0		-40.1		476.8	✓	42		
7		1210		95 23 00				15.0		-121.4		395.5	○	43		395.7
8		✓		264 58 30				15.0					○			
9	E	1650		90 34 20				15.0		+40.7	436.2		Δ			
10		✓		269 07 10				15.0					Δ			
11		1320		91 48 00				15.0		-56.5		379.7		43+330		
12		770		91 47 30				18.0	H.R.	-42.1		394.1		44		
13		0	✓					5.0		-5.0		431.2	π	44+770		
14	W	110	✓					4.4		-4.4		431.8		45		
15		990	✓					7.4		-7.4		428.8		46		
16		1870	✓					7.2		-6.7		429.5	○	47		429.9
17		✓	✓					6.2					○			
18	E	1760		91 56 00				15.0		+74.1	503.6		Δ			
19				268 00 00				15.0					Δ			
20		880		92 06 00				15.0		-47.3		456.3		48		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 8
 LINE No.(s) 071-77 PARTY No. 1173 DATE 12 Day Feb Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERILL RODMAN A. GARCIA WEATHER: CLEAR COLD P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1											503.6			
2		0	✓					5.0	-5.0		498.6	π	50.40	
3	W	880		88 34 20				3.0	+18.9		522.5		50	
4		1760		88 16 20				6.0	+47.6		551.2	0	51	551.7
5				271 45 40				6.0				0		
6	E	880		90 58 00				25.0	+29.6	580.8		Δ		
7				269 04 40 (269 04 10)				16.0				Δ		
8		0	✓					5.0	-5.0		575.8	π	52	
9	W	880	✓					7.2	-7.2		573.6		53	
10		1760	✓					8.8	-8.3		572.5	0	54	573.2
11			✓					7.8				0		
12	E	1760		88 05 20				6.0	+53.2	519.3		Δ		
13				271 56 30				6.0				Δ		
14		880	✓					13.6	-13.6		505.7		55	
15		0	✓					5.0	-5.0		514.3	π	56	
16	W	880		90 57 20				15.0	-29.7		489.6		57	
17		1760		90 24 00				15.0	-26.8		492.5	0	58	493.3
18				269 38 00				15.0				0		
19	E	1760		92 03 50				15.0	+77.8	570.3		Δ		
20			✓	267 58 20				15.0				Δ		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 9
 LINE No.(s) 071-77 PARTY No. 1173 DATE 12 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: CLEAR-COLD P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												570.3				
2	E	880		91 37 30				15.0		-40.0		530.3		S.P. 59		
3		60	✓					5.8		-5.7		564.6	⊙	59+820 = TBM 071-04		
4			✓					5.6					⊙			
5												<u>565.5</u>		BARO SURVEY 565.5		
6																
7												-0.9		MISTIE		
8																
9												<u>565.5</u>				
10	E	60	✓					5.8		+5.7	571.2		Δ	TBM 071-04		
11			✓					5.6					Δ	+S.P. 59+827		
12		0	✓					5.0		-5.0		566.2	π	60		
13	W	880		90 47 40				15.0		-27.2		544.0	●	61		
14		1760		90 36 10				15.0		-33.0		538.2	⊙	62		538.5
15			✓	269 26 00				15.0					⊙			
16	E	1760	✓					14.4		+13.8	552.0		Δ			
17			✓					13.2					Δ			
18		880		90 08 50				15.0		-17.3		534.7		63		
19		0	✓					5.0		-5.0		547.0	π	64		
20	W	880		90 22 50				15.0		-20.8		531.2		65		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE _____ PAGE No. 10
 LINE No.(s) 071-77 PARTY No. 1173 DATE 12 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: CLEAR-COLD P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												552.0				
2	W	1210	96	49	4			15.0		-32.1		519.9	0	65+	330	520.7
3		✓	269	12	20			15.0					6			
4	E	1430	86	32	20			9.6		-77.1	442.8		Δ			
5		✓	273	29	20			9.6					Δ			
6		880	86	09	20			15.0		+44.0		486.8		66		
7		0	✓					5.0		-5.0		437.8	π	67		
8	W	880	92	09	50			15.0		-48.2		394.6		68		
9		1760	91	54	40			15.0		-73.1		369.7	0	69		371.0
10		✓	268	07	40			15.0					0			
11	E	880	91	46	00			15.0		+42.9	412.6		Δ			
12		✓	268	15	30			15.0					Δ			
13		0	✓					5.0		-5.0		407.6	π	70		
14	W	880	88	52	50			10.0		+7.5		420.1	0	71	419.1	420.7
15		✓	271	09	20			10.0					0			
16	E	1760	88	17	20			15.0		-38.0	382.1		Δ			
17		✓	271	44	30			15.0					Δ			
18		880	88	22	30			6.0		+19.0		401.1		72		
19		0	✓					5.0		-5.0		377.1	π	73		
20	W	880	88	17	40			6.0		+20.2		402.3		74		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 11
 LINE No. (s) 071-77 PARTY No. 1173 DATE 13 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. 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 I.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1												382.1				
2	W	1760		87 55 10				15.00		+49.3		431.4	0	75	430.4	432.6
3		✓		272 06 20				15.00					0			
4	E	1365		91 21 00				8.00		+39.5		470.9	Δ			
5		✓		268 41 00				8.00					Δ			
6		475	✓					13.6		-13.6		457.3		76		
7		0	X					5.0		-5.0		465.9	X	76+		= TBM 071-05
8	W							9.0		+9.0						= TBM 079-03
9								8.9				467.3				BARR SURVEY 464.9
10																467.3 ✓
11												-1.4				- 2.4 76
12																
13												467.3				
14	E	405						9.0		+9.0		476.3	Δ			TBM 071-05
15		✓						8.9					Δ			TBM 079-03
16		0	✓					5.0		-5.0		471.3	X	77		
17	W	880	✓					4.5		-4.5		471.8	'	78		
18		1760	✓					5.5		-4.9		476.4	0	79		471.6
19		✓	✓					4.3					0			
20																

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 12
 LINE No.(s) 071-77 PARTY No. 1173 DATE 13 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. 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												471.4				
2	E	1760	✓					10.0		+9.4	480.8		Δ	79		
3			✓					8.8					Δ			
4		880	✓					9.0		-9.0		471.8		80		
5		0	✓					5.0		-5.0		475.8	π	81		
6	W	880	✓					12.9		-12.9		467.9		82		
7		1710		90 25 30				15.0		-23.7		457.1	⊙	82+330	457.6	
8			✓	269 36 20				15.0					⊙			
9	E	1540		88 33 30				6.0		+33.1	424.0		Δ			
10			✓	371 28 10				6.0					Δ			
11		990	✓					8.0		-8.0		416.0		83		
12		110	✓					10.7		-10.7		413.3		84		
13		0	✓					5.0		-5.0		419.0	π	84+110		
14	W	770		89 27 30				6.0		+1.3		425.3		85		
15		1669		89 11 30				10.0		+13.9		437.9	⊙	86	438.7	
16			✓	270 51 10				10.0					⊙			
17	E	1760		90 34 45				15.0		+32.3	470.2		Δ			
18			✓	262 27 15				15.0					Δ			
19		880		90 33 35				15.0		-21.0		449.2		87		
20		0	✓					5.0		-5.0		465.2	π	88		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 13
 LINE No.(s) 071-77 PARTY No. 1173 DATE 14 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: OVERCAST - HAZY 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.			
1											470.2				
2	W	080		89 37 15				2.0	+3.0		474.0		89		
3		1760		89 30 20				7.0	+8.2		478.4		90		
4		1842		89 28 40				8.0	+9.2		479.4		0	90+82' = TBM 071-06	
5		✓		270 32 45				8.0					0		
6											480.5		Δ	BARR SURVIST 480.5	
7													Δ		
8											-1.1			MISTIE	
9															
10											480.5				
11	E	1130 1130		88 36 30				10.0	-21.0		459.5		Δ	90+82' = TBM 071-06	
12		✓		271 35 05				10.0					Δ		
13		330		88 47 20				2.0	+5.0		464.5		91		
14		0	✓					5.0	-5.0		454.5		π	91+330	
15	W	550		91 45 50				15.0	-31.9		427.6		92		
16		2310		89 19 40				2.0	+25.6		485.1		0	93 483.1	
17		✓		270 41 55				2.0					0		
18	E	1760		91 34 40				15.0	+6.31		548.2		Δ		
19		✓		268 26 40				15.0					Δ		
20		080		90 55 35				15.0	-29.2		519.0		94		

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE ALASKA PAGE No. 15
 LINE No.(s) 071-77 PARTY No. 1173 DATE 14 Day FEB Mo. 1977 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: OVER CAST - HAZY 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.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1												557.9				
2	W	1760	✓					12.8		-12.7		545.2	⊙	104+330	536.9	
3			✓					12.6					⊙			
4	E	22.00	✓					14.7		+14.2		559.4	Δ			
5			✓					13.7					Δ			
6		1650		90 25 30				15.0		-27.2		532.2		105		
7		770		91 20 40				15.0		-33.1		526.5		106		
8		0	✓					5.0		-5.0		554.4	π	106 + 770		
9	W	110	✓					3.5		-3.5		555.9		107		
10		630	✓					5.1		-4.9		554.5	⊙	107 + 560	TBM 071-07	
11			✓					4.7					⊙			
12												544.3	Δ	BARR SURVEY	544.3	
13												+10.2	Δ	MISTIE		
14																
15												544.3				
16	E	1750		89 28 50			(89 38 50)	5.0		-6.1		538.2	Δ	107+560 = TBM 071-07		
17			✓	270 22 20				5.0					Δ			
18		1430		89 38 00				10.0		-0.8		537.4		108		↑ 880
19		0	✓					5.0		-5.0		533.2	π	108 + 1430		↓ 1760
20	W	330	✓					9.8		-9.8		528.4		109		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 16
 LINE No.(s) 071-77 PARTY No. 1173 DATE 15 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERMAN RODMAN A. 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		A.B.S. OF S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1												538.2				
2	W	1320		90 23 45				150		-23.8		514.4	0	109 + 090		514.8
3		✓		269 37 40				15.0					0			
4	E	1100		88 44 05				1.0		-23.6	490.8		Δ			
5		✓		271 17 45				1.0					Δ			
6		330		92 01 11				10.0		-21.5		469.3		110		
7		0	✓					5.0		-5.0		485.8	π	110 + 330		
8	W	1420		94 33 00				150		-127.5		363.3	0	111		364.0
9		✓		265 38 10				150					0			
10	E	1260		91 10 30				150		+50.7	414.0		Δ			
11		✓		268 51 10				150					Δ			
12		0	✓					5.0		-5.0		409.0	π	112		
13	W	1760		88 37 30				30		+39.5		453.5	0	113		+54.6
14		✓		271 23 30				3.0					0			
15	E	1760		91 21 40				150		+56.6	570.1		Δ			
16		✓		268 39 20				150					Δ			
17		0	✓					5.0		-5.0		505.1	π	114		
18	W	1760		89 02 15				50		+24.9		585.0	0	115		536.5
19		✓		270 59 15				5.0					0			
20																

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 17
 LINE No.(s) 071-77 PARTY No. 1173 DATE 16 Day FEB Mo. 70 Yr. BOOK No. _____
 SURVEYOR T. SHERNILL RODMAN A. GARWIN WEATHER: 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.			
1											535.0				
2	E	1760		90 04 30			150		+16.8	551.8		Δ	115		
3		✓		269 57 35			15.0					Δ			
4		875	✓				5.5		-5.4		546.4	○	115 + 885 = TBM 071-08		
5		✓	✓				5.3					○		548.2	
6											548.2		BARR SURVEY		
7															
8											-1.8		MISTIE		
9															
10											548.2		TBM 071-08		
11	E	875	✓				5.5		+5.4	553.6		Δ	115 + 885 = TBM 071-08		
12		✓	✓				5.3					Δ			
13		0	✓				5.0		-5.0		548.6	π	116		
14	W	1760		91 26 40			150		-58.0		494.7	○	117	495.0	
15		✓		268 25 00			15.0					○			
16	E (990)			90 02 30			150		+15.4	510.4		Δ			
17	(990)	✓		262 59 30			150					Δ			
18		0	✓				5.0		-5.0		505.1	π	117 + 990		
19	W	770	✓				12.1		-12.1		498.0		118		
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 18
 LINE No.(s) 071-77 PARTY No. 1173 DATE 16 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. 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	Correction	Center Hair			INST.	ROD			
1												510.1				
2	W	1320		90 24 50				150			-47.3	462.8	0	118 + 550	463.3	
3		✓		268 36 20				150					0			
4	E	1540		89 10 50				3.0			-19.5	443.3	Δ			
5		✓		200 51 10				3.0					Δ			
6		330						12.1			-12.1	431.2		19		
7		0	✓					5.0			-5.0	438.3	π	119 + 330		
8	W	1100	✓				B	11.3	-5.5		-16.6	426.7	0	119 + 1430	427.4	
9		✓	✓				B	10.9	-5.5				0			
10	E	1100	✓					11.4			+11.2	437.9	Δ			
11		✓	✓					10.9					Δ			
12		770		90 53 30				15.0			-27.0	410.9		120		
13		0	✓					5.0			-5.0	432.9	π	120 + 770		
14	W	990		90 11 30				4.0			-24.6	413.3		121		
15		2750		90 27 30				15.0			-31.3	406.6	0	122 406.3	407.4	
16		✓		269 40 20				15.0					0			
17	E	1760		91 34 10				15.0			+62.8	469.4	Δ			
18		✓		268 27 05				15.0					Δ			
19		0	✓					5.0			-5.0	464.4	π	123		
20																

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ARIZONA PAGE No. 19
 LINE No.(s) 071-77 PARTY No. 1773 DATE 16 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERMAN RODMAN A. 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		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												469.4				
2	W	1187		89	28 10				50			475.6	⊙	123+1187 = TBM-071-09		
3		✓		270	32 40				50	+6.2			⊙			
4	E											476.7		BARR SURVEY 475.3		
5														TIE 1.4		
6												476.7		MISTIE	476.7	
7												476.7				
8	E	2000	✓						85	+8.0	484.7		Δ	123+1187 = TBM 071-09		
9		✓	✓						77				Δ			
10		1430	✓			B	BB	-7.2		-16.0		468.7		124		
11		0	✓						5.0	-5.0		479.7	π	124 + 1430		
12	W	332	✓						14.1	-14.1		470.6		125		
13		880		91	47 25				150	-42.5		442.2		125 + 550		
14	(2090)	2090		90	45 35				150	-42.7		442.0		126		
15		3850		91	34 55				150	-121.3		363.4		127		
16		4257		91	02 30				60	-82.0		402.7	⊙	127 + 407 = TBM 071-10		
17		✓		263	59 05				60				⊙			
18												402.8		BARR SURVEY		
19																
20												-0.1		MISTIE		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 20
 LINE No.(s) 071-77 PARTY No. 1123 DATE 17 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN A. GARCIA WEATHER: CLEAR - WONDERFUL, WONDERFUL P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD				
1																	
2	E	2580	✓			B	3.8	+12.9		+16.5	419.3		Δ	127+407 = TBM 071-10			
3			✓			B	3.4	+12.9					Δ				
4		1210		90 59 10					15.0	-35.8		383.5		128			
5		0	✓						5.0	-5.0		414.3	π	128 + 1210			
6	W	550		88 47 35					2.0	+9.6		428.9		129			
7		2310		88 45 00					2.0	+48.9		468.2	0	130			
8				271 16 30					2.0				0				
9	E	990	✓						11.0	+10.8	479.0		Δ				
10			✓						10.6				Δ				
11		0	✓						5.0	-5.0		474.0	π	1304			
12	W	770	✓			B	13.1	-3.8		-16.6		462.4	0	131			
13			✓			B	12.6	-3.8					0				
14	E	1769	✓						47	+4.4	466.8		Δ				
15			✓						42				Δ				
16		990		90 31 30					15.0	-24.1		442.7		131 + 770			
17		0	✓						5.0	-5.0		461.8	π	132			
18	W	1760		88 35 05					3.0	+40.5		507.3		133			
19		2310		88 35 40					3.0	+54.8		521.6	0	133 + 550			
20			✓	271 27 40					3.0				0				

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STADIA SURVEY NOTES

AREA N.R. - 4 STATE or PROVINCE ALASKA PAGE No. 21
 LINE No.(s) 071-77 PARTY No. 1173 DATE 17 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR TJ SHERRILL RODMAN A. GARCIA WEATHER: CLEAN - WONDERFUL 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											521.6				
2	E	1210		90	47 30			15.0	+31.4	553.0		Δ	133 + 550		
3		✓		263	14 05			15.0				Δ			
4		0	✓					5.0	-5.0		548.0	π	134		
5	W	1760		89	36 05			2.0	+10.4		563.4	⊙	135		
6		✓		270	24 40			2.0				⊙			
7	E	1760	✓			B	144	+8.8	+22.8	586.2		Δ			
8		✓				B	131.6	+8.8				Δ			
9		0	✓					5.0	-5.0		581.2	π	136		
10	W	1760		89	20 00			3.0	+17.5		603.7		137		
11		2530		89	18 45			3.0	+27.9		614.1	⊙	137 + 570		
12		✓		270	42 45			3.0				⊙			
13	E	990	✓					13.1	+12.8	626.9		Δ			
14		✓	✓					12.5				Δ			
15		0	✓					5.0	-5.0		621.9	π	138		
16	W	102	✓					6.0	-6.0		620.9	⊙	138 + 102 = <u>TBM 07-11</u>		
17		✓	✓					6.0				⊙			
18											620.4	Δ	BANK SURVEY		
19												Δ			
20											+0.5		MISTIE		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 22
 LINE No.(s) 071-77 PARTY No. 1173 DATE 17 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR TJ SHERKILL RODMAN A. GARCIA WEATHER: CLEAR - NOT SO WARMERPOL 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															
2	W	102	✓					6.0		+6.0	626.4	620.4	Δ	138+102 = TBM 071-11	
3			✓					6.0					Δ		
4		0	✓					5.0		-5.0	621.4		π	138	
5	W	1760	✓					6.4		-5.9	620.5		0	139 620.6	
6			✓					5.5					0		
7	E	1760	✓					12.6		+12.1	632.6		Δ		
8			✓					11.6					Δ		
9		0	✓					5.0		-5.0	627.6		π	140	
10	W	550	✓			B	15.0	2.8		-17.8	614.8		π	140 + 550	
11		1760	✓					14.9		-14.5	618.1		0	141 618.3	
12			✓					14.0					0		
13	E	1760	✓			I	6.1	-8.8		-3.2	614.9		Δ		
14			✓			T	5.2	-8.8					Δ		
15		0	✓					5.0		-5.0	609.9		π	142	
16	W	1760		90	22	40		15.0		-26.2	588.7		0	143 589.0	
17			✓	269	38	50		15.0					0		
18	E	990		88	32	30		13.0		-12.4	576.3		Δ		
19			✓	271	29	00		13.0					Δ		
20		0	✓					5.0		-5.0	571.3		π	143 + 990	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 23
 LINE No.(s) 071-77 PARTY No. 1173 DATE 17 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: PARTLY 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												576.3				
2	W	770		93 12 25				15.0		-58.1		518.2		144		
3		1760		91 18 30				15.0		-54.9		521.4	⊙	144 + 990		521.8
4		✓		268 42 45				15.0					⊙			
5	E	2530		88 03 50				2.0		-84.2	437.2		Δ			
6		✓		271 58 00				2.0					Δ			
7		1760		89 31 00				15.0		-0.2		437.0		145		
8		990		92 42 20				15.0		-62.0		375.2		145 + 770		
9		0	✓					5.0		-5.0		432.2	π	146		
10	W	1210		88 06 15				12.0		+28.3		465.5	⊙	146 + 1210		466.1
11		✓		271 55 25				12.0					⊙			
12	E	2310		90 58 10				15.0		+53.5	519.0		Δ			
13		✓		269 03 40				15.0					Δ			
14		1760		91 07 50				15.0		-49.7		469.3		147		
15		0	✓					5.0		-5.0		514.0	π	148		
16	W	1291		88 36 10				8.0		+23.8		542.8	⊙	148 + 1291 = TBn 071-12		
17		✓		271 25 30				8.0					⊙			
18												543.5		BARR SURVEY 543.5		
19																
20												-0.7		MISTIE		

TI-588B

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 24
 LINE No.(s) 071-77 PARTY No. 1173 DATE 17 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: PRTY CLDY P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2	E	1460		90	09 15			150		+18.6	562.1		543.5	Δ	148+1201 = TBM 071-12
3		✓		269	52 16			150						Δ	
4		996	✓					10.8		-10.8			551.3		149
5		0	✓					5.0		-5.0			557.1	π	149 +
6	W	770	✓			B	11.6	-3.9		-15.5			546.6		150
7		1980		89	36 50			5.0		+8.8			570.9	○	150 + 1210
8		✓		270	24 40			5.0						○	
9	E	2310	✓					12.7		+12.2	583.1			Δ	
10		✓	✓					11.7						○	
11		1760	✓			B	6.8	-8.8		-15.6			567.5		151
12		990		90	52 30			150		-30.1			553.0	π	152 + 770
13		0	✓					5.0		-5.0			578.1	π	152
14	W	1760	✓			B	14.4	-8.8		-22.7			560.4	○	153
15		✓	✓			B	13.4	-8.8						○	
16	E	990		91	17 20			150		+38.5	598.9			Δ	
17		✓		268	34 10			150						Δ	
18		0	✓					5.0		-5.0			593.9	π	153 + 990
19	W	770	✓					4.4		-4.4			594.5		154
20															

TI-598B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 25
 LINE No.(s) 071-77 PARTY No. 1173 DATE 17 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: CLOUDY - WINDY P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1												598.9				
2	W	1430		89 19 00				3.0		+14.4		612.3	0	154 + 1430		
3		✓		270 42 30				3.0					0			
4	E	2090		89 37 10				2.0		-14.8		598.5	Δ			
5		✓		270 28 30				2.0					Δ			
6		1760		89 38 20				2.0		+9.1		607.6		155		
7		0	✓					5.0		-5.0		593.5	π	156		
8	W	990		91 08 05				10.0		-29.4		569.1	0	156 + 990		
9	L	✓		268 53 10				10.0					0			
10	E	2530		87 04 20				2.0		-126.9		442.2	Δ			
11		✓		272 57 20				3.0					Δ			
12		1760		87 15 45				3.0		+81.1		523.3		157		
13		770		89 31 20				2.0		+4.4		446.6		157 + 990		
14		0	✓					5.0		-5.0		437.2	π	158		
15	W	1760		89 50 00				15.0		-9.9		432.3	0	159 432.9		
16		✓		270 11 40				15.0					0			
17	E	1650		89 18 40				3.0		-17.3		415.0	Δ			
18		✓		270 43 10				3.0					Δ			
19		10	✓					5.0		-5.0		410.0	π	159 + 1650		
20	W	110	✓	94 57 40				4.0		-13.5		401.5		160		

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CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 26
 LINE No.(s) 071-77 PARTY No. 1123 DATE 17 Day FEB Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN A. GARCIA WEATHER: CLOUDY - DAMN 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.	ROD		
1												415.0			
2	W	1870		90 28 50				4.0		-19.4		395.6	0	161	396.2
3		✓		269 32 20				4.0					0		
4	E	550		90 50 20				4.0		+11.9		407.5	Δ		
5		✓		269 11 10				4.0					Δ		
6		0	✓					5.0		-5.0		402.5	π	161 + 550	
7	W	660		92 50 30				10.8		-42.6		364.9	0	161 + 1210	365.6
8		✓		267 10 50				10.0					0		
9	E	0	✓					5.0		+5.0		369.9	Δ		
10		✓	✓					5.0					Δ		285.6
11	W	550		98° 28' 20"				4.0		-85.2		284.7	0	162	WEST END OF LINE
12				261° 32' 40"				4.0					0		
13															
14															NO TAIL SPREAD
15															
16															
17															
18															
19															
20															

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