

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 1
 LINE No.(s) 138-77 PARTY No. 1173 DATE -3 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												516.9	TBM	019.02	5138.02	
2	W	2640		89 54	45				2.07		-48.7	468.2	B		503-6-138	
3		✓		271 06	45				2.05				B		503-6-138	
4		1760		89 23	40				2.0	+16.6		484.8			502	
5		880		89 32	00				3.0	+4.2		472.4			501	
6		0	✓						5.0	-5.0		463.2	B		500	
7	E	880	✓						10.7	-10.7		457.5			TS.1	
8		1760	✓						14.6	-14.6		453.6			TS.2	
9		2640	✓			B	3.5	-132			-16.7	451.5			TS.3	
10		3520	✓			B	2.8	-176			-20.4	447.8			TS.4	
11		4600		90 04	10				15.0		-20.3	447.9			TS.5	
12		5280		90 03	50				15.0		-20.3	447.3			TS.6	EAST END OF LINE
13																
14																
15												516.9				
16	E	2530		89 36	05				2.0		-16.2	500.7	A		503-6-138	
17		✓		270 25	35				2.07				A		503-6-138	
18		1980		90 20	10				15.0		-26.6	474.1			503+550	
19		1650		90 23	00				15.0		-26.0	474.7			504	
20		770		90 47	30				15.0		-25.6	475.1			505	

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STADIA SURVEY NOTES

AREA N.P.R. - A STATE or PROVINCE ALASKA PAGE No. 2
 LINE No.(s) 138-77 PARTY No. 173 DATE 4 Day AM Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERMILL RODMAN: R. SMITH WEATHER: E. LEAN 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												500.7				
2	E	220		92 16 50				15.0		-23.7		477.0		505 + 550		
3		0	✓					5.0		-5.0		495.7	π	505 + 770		
4	W	110	✓					14.0		-14.0		486.7		506		
5		440		91 51 20				15.0		-29.2		471.5		506 + 330		
6		990		88 55 20				2.0		+16.6		517.3		507		
7		1870		88 42 50				12.0		+30.0		530.7		508		
8		2750		88 32 20				2.0		+68.8		569.5	0	509		569.7
9		✓		71 29 20				2.0					0			
10	E	1430		94 08 10				15.0		+117.7		687.2	Δ			
11		✓		265 52 50				15.0					Δ			
12		550		94 03 10				15.0		-53.8		633.4		510		
13		0	✓					5.0		-5.0		682.2	π	510 + 550		
14	W	330		87 55 30				2.0		+9.9		697.1		511		
15		880		87 53 40				12.0		+20.5		707.7	0	511 + 550		707.3
16		✓		772 08 10				12.0					0			
17	E	1540	✓				B	13.2	+7.7		+20.5	728.2	A			
18		✓					B	16.4	+7.7				A			
19		1210	✓				B	10.0	-6.1		-16.1	712.1		512		
20		330	✓					8.7			-8.7	719.5		513		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 3
 LINE No.(s) 138-77 PARTY No. 1123 DATE 4 Day APR Mo. 27 Yr. BOOK No.
 SURVEYOR T. SHERWIN RODMAN R. SMITH 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												778.2			
2		0	✓					5.0		-5.0		723.2	π	513 + 330	
3	W	550	✓					4.3		-4.3		723.9		514	
4		1030	✓					6.2		-6.2		722.0		515	
5		2310	✓					6.07		-5.5		722.7	0	514	722.1
6			✓					5.05					0		
7	E	1760	✓					9.87		+9.5	732.2		Δ		
8			✓					9.2					Δ		
9		880	✓					5.8		-5.8		726.4		517	
10		0	✓					5.0		-5.0		727.2	π	518	
11	W	880		90 40 10				15.0		-25.8		766.9		519	706.9
12		1760	✓			B	9.9	-8.8		-18.7		713.5		520	
13		2640	✓					10.7		-10.7		722.0	0	521	721.1
14			✓					9.7					0		
15	E	2640		90 34 30				15.0		+39.4	766.4		Δ		
16			✓	269 28 55				15.0					Δ		
17		1760		90 21 20				15.10		-25.9		735.5		522	
18		880	✓					11.0		-11.0		758.4		523	
19		0	✓					5.0		-5.0		756.4	π	524	
20	W	880	✓					12.4		-12.4		749.0		525	

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STADIA SURVEY NOTES

AREA N.A.R. - 4 STATE or PROVINCE BRITISH COLUMBIA PAGE No. 4
 LINE No.(s) 138-77 PARTY No. 1173 DATE 6 Day AM Mo. 27 Yr. BOOK No. _____
 SURVEYOR T. SHERIDAN RODMAN R. SMITH 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												761.4			
2	W	1760	✓					71		-7.1		754.3		526	
3		2640	✓			T	10.0	+13.2		+3.2		764.6		527	
4		2745	✓			T	9.4	+13.7		+4.9		766.3	⊙	138-03	
5		✓	✓			T	8.2	+13.7						⊙ = 527 + 105	
6												765.1		BM SURVEY 765.1	
7															
8												+1.2		MISRE	
9															
10												765.1		TBM 138-03	
11	E	2535	✓					110.7		+10.4		775.7		Δ = SP 527 + 105	
12		✓	✓					9.8						Δ	
13		1760	✓					9.1		-9.1		766.46		528	
14		880	✓					10.0		-10.0		765.7		529	
15		0	✓					5.0		-5.0		770.7	π	530	
16	W	880	✓					6.2		-6.2		769.5		531	
17		1760		90	03	45		15.0		-16.6		758.9	⊙	532	758.7
18		✓		269	57	35		15.0					⊙		
19	E	2640		89	17	25		3.0		-30.0		728.9	Δ		
20		✓		270	43	25		3.0					Δ		

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STADIA SURVEY NOTES

AREA N.P.C. - 4 STATE or PROVINCE ALASKA PAGE No. 5
 LINE No.(s) 138-77 PARTY No. 1173 DATE 5 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHAWJILL RODMAN R. SMITH 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												728.9			
2	E	1760		89 17 00				3.0		+19.0		747.9		533	
3		880		89 23 10				3.0		+6.4		735.3		534	
4		0	✓					5.0		-5.0		723.9	π	535	
5	W	770		91 23 50				15.0		-33.6		695.3	0	535	+770
6				268 37 35				15.0					0		695.0
7	E	3300	✓					0	14.0	+16.5				Δ	
8			✓					B	12.7	+16.5				Δ	
9		3190		90 38 10				15.0		-50.4		674.9		536	
10		2310		93 31 20				15.0		-156.6		568.7		537	
11		1430		96 32 50				15.0		-177.0		548.3		538	
12		550		96 18 40				15.0		-75.1		650.2		539	
13		0	✓					5.0		-5.0		720.3	π	539+550	
14	W	330		87 06 40				5.0	7	+11.7		737.0	0	540	736.6
15			✓	272 54 40				5.0					0		
16	E	2310	✓					15.0	7	+14.8	751.8		Δ		
17			✓					14.6					Δ		
18		1430	✓					7.5		-7.5		744.3		541	
19		550	✓					7.1		-7.1		744.7		542	
20		0	✓					5.0		-5.0		746.8	π	542+550	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 6
 LINE No.(s) 138-77 PARTY No. 1173 DATE 5 Day APR Mo. 77 Yr. BOOK No.
 SURVEYOR T. SKERRELL RODMAN R. SMITH 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												751.8			
2	W	330	✓						11.0	-11.0		740.8		543	
3		1210	✓						6.3	-6.3		745.5		544	
4		2090	✓						3.6	-3.6		748.2		545	
5		2970	✓				T	11.6	+14.8		+3.7	755.5	⊙	546	754.9
6			✓				T	12.6	+14.8				⊙		
7	E	2970		90 09 40					150.7	+22.7		778.2			
8			✓	269 51 50					150.7						
9		2090	✓						15.0	-15.0		763.2		547	
10		1210	✓						8.6	-8.6		769.6		548	
11		330	✓						5.8	-5.8		772.4		549	
12		0	✓						5.0	-5.0		773.2	π	549 + 330	
13	W	550	✓						8.0	-8.0		770.2		550	
14		1430	✓						14.6	-14.6		763.6		551	
15		2310	✓				B	8.2	-11.5		-12.7	758.5		552	
16		3190	✓				B	1.1	-15.9		-17.0	761.2		553	
17		3452		90 03 00					15.0	-17.6		760.6	⊙	138-04	
18			✓	269 57 50					15.0				⊙	553 + 262	
19												759.7		BARR SURVEY	759.7
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 7
 LINE No.(s) 138-77 PARTY No. 1173 DATE 5 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. S. McELWAIN RODMAN R. SMITH 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											759.7	TBM 138-04		
2	E	2378		90 02 20				150.7	+16.6	776.3		Δ = SA 553 + 262		
3		✓		269 57 50				150.1				L		
4		1760	✓					14.5	-14.5		761.8	554		
5		880	✓					12.3	-12.3		764.0	555		
6		0	✓					50	-50		771.3	T 556		
7	W	880		89 19 20				2.0	+8.4		784.7	557		
8		1760		89 14 00				80.7	+15.8		792.1	⊙ 558	791.6	
9		✓		270 47 05				80.7				⊙		
10	E	2640		89 40 20				150.9	+4.0	798.1		Δ		
11		✓		270 15 00				150.1				Δ		
12		1760	✓					6.5	-6.5		298.6	559	789.7	
13		880	✓					10.7	-10.7		285.4	560	785.5	
14		0	✓					5.0	-5.0		790.1	T 561		
15	W	880	✓				+ 1.0	+4.4	+3.4		298.5	562	799.6	
16		1760		89 30 20				3.0	+12.2		808.3	563		
17		2640		89 27 40				2.0	+22.1		818.2	⊙ 564	817.0	
18		✓		270 33 10				3.0				⊙		
19	E	2081		91 27 20				150.7	+87.5	905.7		Δ		
20		✓		268 34 20				15.0				Δ		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 8
 LINE No.(s) 13B-77 PARTY No. 1173 DATE 6 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERILL RODMAN R. SMITH 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												9057				
2	E	2001		91 38 00				15.0		+72.0		833.7		565		
3		1121		91 29 10				15.0		-44.1		861.6		566		
4		241	✓					11.4		-11.4		894.3		567		
5		0	✓					5.0		-5.0		900.7	T	567+241		
6		0	✓					5.0		-5.0		900.7	O	13B-05 = S.P. 567+241		
7		0	✓					5.0					O	007-07 = S.P. 407+619		
8												899.1		BARRE SURVEY 899.1		
9																
10												41.6		MISSTIE		
11																
12												899.1		TBM 13B-05 & 007-07		
13		0	✓					5.0		+5.0	904.1		Δ	S.A. 567+241		
14		0	✓					5.0					Δ			
15		0	✓					5.0		-5.0		899.1	T	567+241		
16	W	639	✓				T	3.0	+3.2	+0.2		909.3	O	568	904.3	
17			✓				T	3.0	+3.2				O			
18	E	1210		89 03 00				5.0		-15.2	889.1		Δ			
19			✓	270 58 00				5.0					Δ			
20		330		89 01 00				2.0		+3.7		892.8		569		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALABAMA PAGE No. 9
 LINE No.(s) 138-77 PARTY No. 1173 DATE 6 Day APR Mo. 77 Yr. BOOK No.
 SURVEYOR T. SHERMILL RODMAN R. SMITH 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												889.1				
2		0	✓						5.0	-5.0		884.1	π	569 + 330		
3	W	550		91 20 00				15.0		-77.8		861.3		570		
4		1430		92 21 20				15.0		-73.6		815.5	0	571		815.6
5		✓		267 39 10				15.0					0			
6	E	2970		88 08 00				2.0		-95.1	720.4		Δ			
7		✓		271 53 00				2.0		+22.2			Δ			
8		2090		89 02 10				2.0		+37.2		753.6		572		
9		1210	✓					5.3		-5.3		715.1		573		
10		330		90 43 20				15.0		-19.2		701.2		574		
11		0	✓					5.0		-5.0		715.4	π	574 + 330		
12	W	550		90 58 10				15.0		-24.3		696.1		575		
13		1430		90 20 20				15.0		-23.5		696.9		576		
14		2310	✓						π 90	+11.6		723.0		577		
15		3190		89 22 45				2.0		+32.6		753.0		578		
16		3520		89 19 20				2.0		+40.4		760.8	0	578 + 330		
17		✓		270 42 10				2.0					0			761.1
18	E	1430		89 29 30				5.0		-8.0	752.8		Δ			
19		✓		270 31 50				5.0					Δ			
20		880		89 34 30				2.0		+4.5		757.3		579		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 10
 LINE No.(s) 138.77 PARTY No. 1173 DATE 7 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SMERRILL RODMAN R. SMITH WEATHER: CLER 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												752.8			
2	N	0	✓					5.0		-5.0		747.8	N	580	
3	W	880	✓			B	13.4	-4.4		-12.8		735.0		581	
4		1760		90 22 50				15.0		-26.7		726.1		582	
5		2640		90 26 50				15.0		-35.0		717.8	0	583	718.3
6		✓		269 34 50				15.0					0		
7	E	1430		91 24 40				15.0		+49.9	767.7		Δ		
8		✓		268 36 50				15.0					Δ		
9		550		93 10 00				15.0		-45.3		722.4		584	
10		0	✓					5.0		-5.0		762.7	N	584.4	550
11	W	330	✓			T	2.9	+1.7		-1.2		766.5		585	
12		1210		88 18 00				2.0		+33.2		800.9		586	
13		1760		88 17 20				9.0		+43.7		811.4	0	586	+550
14		✓		271 43 10				9.0					0		812.0
15	E	2970	✓			B	6.5	+74.8		+20.3	831.7		Δ		
16		✓				B	4.5						Δ		
17		2640	✓			B	10.4	+132		+2.8		824.5		587	806.7
18		1760		90 46 40				15.0		-38.9		792.8		588	
19		880		92 11 30				15.0		-48.6		783.1		589	
20		0	✓					5.0		-5.0		826.7	N	590	

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STADIA SURVEY NOTES

AREA N.P.L. - 4 STATE or PROVINCE ALASKA PAGE No. 11
 LINE No.(s) 138-77 PARTY No. 1173 DATE 7 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN R. SMITH 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												831.7				
2	W	880		85 44 20				50		+59.7		891.4	0	591	892.2	
3		✓		274 16 20				50					0			
4	E	880		92 46 40				150		+57.4	948.8		Δ			
5		✓		267 14 45				150					Δ			
6		0		✓				50		-50	943.8		+	592		
7	W	550		88 59 50				90		+0.7	949.5		0	592+550		
8		✓		271 01 30				9.0					0		950.2	
9	E	3300		91 11 05				150		+82.9	1032.4		Δ			
10		✓		268 49 40				150					Δ			
11		1970		91 30 00				150		-92.7	939.7			593		
12		2090		92 47 30				150		-116.7	915.7			594		
13		1210		93 18 20				150		-84.7	947.7			595		
14		330		92 20 00				150		-28.4	1004.0			596		
15		0		✓				50		-50	1027.4		-	596+330		
16	W	550		89 03 30				7.0		+2.0	1034.4			597		
17		1430		88 23 50				7.0		+38.0	1070.4			598		
18		2310		88 16 30				7.0		+66.5	1098.9			599		
19		2571		88 16 10				9.0		+69.0	1101.4		0	138.06		
20		✓		271 44 50				9.0					0	599+261	1102.4	

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1102.4 BARR SURVEY
 +10 1155711

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 12
 LINE No.(s) 138-77 PARTY No. 1173 DATE 7 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												1102.4	7B7	138-06	
2	E	2709		88 01 10				50		-89.4	1013.0		A	= SP. 599 + 261	
3		✓		272 00 50				50					Δ		
4		2090		88 04 30				3.0		+67.2		1080.2		600	
5		1210		89 02 00				2.0		+18.4		1021.4		601	
6		330	✓					6.5		-5.5		1007.5		602	
7		0	✓					5.0		-5.0		1008.0	π	602 + 330	
8	W	550		92 49 00				15.0		-42.0		976.0		603	
9		1430	✓				B	8.3	-7.2	-15.5		997.5		604	
10		2310		88 26 30				3.0		+60.5		1073.5	0	605	1074.3
11		✓		271 35 30				3.0					0		
12	E	880		92 18 30				15.0		+50.2	1123.7		Δ		
13		✓		267 43 00				15.0					Δ		
14		0	✓					5.0		-5.0		1118.7	π	606	
15	W	880		88 52 30				2.0		+15.3		1139.0		607	
16		1760		88 52 30				6.0		+28.5		1152.2		608	
17		2640		88 49 00				3.0		+53.7		1177.4	0	609	1178.8
18		✓		271 14 40				3.0					0		
19	E	3190		91 09 25				15.0		+78.7	1256.1		Δ		
20		✓		268 52 10				15.0					Δ		

TI-588B

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 13
 LINE No.(s) 138-77 PARTY No. 1173 DATE 7 Day APR Mo. 27 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												1256.1			
2	E	2310		91 23 30				15.0		-71.1		1185.0	610		
3		1430		92 06 50				15.0		-67.7		1188.4	611		
4		550		91 38 50				15.0		-30.3		1225.8	612		
5		0	✓					5.0		-5.0		1251.1	π	612 + 550	
6	W	330		88 32 50				2.0		+6.4		1262.5	613		
7		710		88 37 15				6.0				1267.4	⊙	138-07 = Δ CHERYL	
8		✓		270 24 40				6.0		+11.3				⊙ = S.P. 613 + 380	
9												1269.4		BANK SURVEY	1269.4
10															
11												-2.0		MISTIE	
12															
13												1269.4		TBM 13807 = Δ CHERYL	
14	E	1050		87 29 45				15.0		-31.0		1238.4		Δ = S.P. 613 + 380	
15		✓		77 31 40				15.0						Δ	
16		550		87 36 30				2.0		+20.9		1259.3	614		
17		0	✓					5.0		-5.0		1233.4	π	614 + 550	
18	W	330		91 17 40				15.0		-22.5		1215.9	615		
19		1210		92 25 25				15.0		-66.1		1172.3	616		
20		2090		92 15 00				15.0		-97.0		1141.4	617		

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STADIA SURVEY NOTES

AREA N. AL - 4 STATE or PROVINCE ALASKA PAGE No. 14
 LINE No.(s) 138-77 PARTY No. 1173 DATE 8 Day MAR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: OVERCAST - FOG - WHITE 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												1238.4			
2	W	2970		92 06 50				150		-124.0		1114.4	0	618	1113.8
3		✓		267 54 10				150					0		
4	E	2640		90 20 20				150		+29.9		1144.3	Δ		
5		✓		219 41 25				150					Δ		
6		1760		90 45 10				150		-38.1		1106.2		619	
7		880		90 44 40				150		-26.9		1117.4		620	
8		0	✓					5.0		-5.0		1139.3	Δ	621	
9	W	880		88 27 30				9.0		+14.9		1159.2	0	622	1158.1
10		✓		271 34 10				9.0					0		
11	E	2640		88 08 50				5.0		-80.9		1078.3	Δ		
12		✓		271 52 40				5.0					Δ		
13		1760		88 22 00				3.0		+47.1		1125.4		623	
14		880		88 29 40				7.0		+16.1		1094.4		624	
15		0	✓					5.0		-5.0		1073.3	Δ	625	
16	W	880		90 26 10				15.0		-21.7		1056.6		626	
17		1760		90 26 30				15.0		-28.6		1049.7		627	
18		2640	✓					3.8		-3.3		1075.0	0	628	1073.2
19		✓	✓					2.8					0		
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 15
 LINE No.(s) 138-77 PARTY No. 1173 DATE 8 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHARILL RODMAN R. SMITH WEATHER: OVERCAST - FEAT WHITE 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												1075.0				
2	<u>NE</u>	<u>1430</u>		<u>91 48 00</u>				<u>15.0</u>		<u>+59.5</u>	<u>1134.5</u>		<u>Δ</u>	<u>628</u>		
3		<u>/</u>		<u>268 13 50</u>				<u>15.0</u>					<u>Δ</u>			
4		<u>550</u>		<u>91 08 30</u>				<u>15.0</u>		<u>-26.0</u>		<u>1108.5</u>		<u>629</u>		
5		<u>0</u>	<u>/</u>					<u>5.0</u>		<u>-5.0</u>		<u>1129.5</u>	<u>∇</u>	<u>629</u>	<u>+550</u>	
6	<u>W</u>	<u>330</u>	<u>✓</u>					<u>14.8</u>		<u>-14.8</u>		<u>1119.7</u>		<u>630</u>		
7		<u>1210</u>		<u>90 21 20</u>				<u>15.0</u>		<u>-22.5</u>		<u>1112.0</u>		<u>631</u>		
8		<u>2090</u>	<u>✓</u>					<u>8.2</u>		<u>-8.2</u>		<u>1126.3</u>		<u>632</u>		
9		<u>2970</u>	<u>✓</u>					<u>11.2</u>		<u>-10.7</u>		<u>1123.8</u>	<u>0</u>	<u>633</u>	<u>1121.3</u>	
10		<u>✓</u>	<u>✓</u>					<u>10.2</u>					<u>0</u>			
11	<u>E</u>	<u>1760</u>		<u>88 50 10</u>				<u>4.0</u>		<u>-32.0</u>	<u>1091.6</u>		<u>Δ</u>			
12		<u>✓</u>		<u>271 11 00</u>				<u>4.0</u>					<u>Δ</u>			
13		<u>880</u>		<u>89 14 00</u>				<u>2.0</u>		<u>+9.8</u>		<u>1101.6</u>		<u>634</u>		
14		<u>0</u>	<u>✓</u>					<u>5.0</u>		<u>-5.0</u>		<u>1089.6</u>	<u>∇</u>	<u>635</u>	<u>1086.6</u>	
15	<u>W</u>	<u>880</u>	<u>✓</u>					<u>146</u>		<u>-146</u>		<u>1077.2</u>		<u>636</u>		
16		<u>1760</u>	<u>✓</u>					<u>136</u>		<u>-136</u>		<u>1078.2</u>		<u>637</u>		
17		<u>2082</u>	<u>✓</u>					<u>121</u>		<u>-11.6</u>		<u>1080.2</u>	<u>0</u>	<u>138-08 = 637 + 322</u>		
18		<u>✓</u>	<u>✓</u>					<u>11.2</u>					<u>0</u>	<u>007-07 = 329</u>		
19												<u>1077.2</u>	<u>0</u>	<u>BANK SURVEY 1077.2</u>		
20																

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+ 3.0 MISTLE

STADIA SURVEY NOTES

AREA N.P.L. - 4 STATE or PROVINCE ALASKA PAGE No. 16
 LINE No.(s) 138-77 PARTY No. 1173 DATE 8 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: OVERCAST - WHITE on WHITE 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												1077.2			TBM 00707 + 138-08
2	E	2318	✓			T	12.2	-11.6	12.0	+0.1	1077.3				Δ = S.P. 329 - L. 007
3			✓			T	11.1	-11.6							Δ = S.P. 637 + 322 - L. 138
4		1760	✓			T	6.1	+8.8		+2.7		1080.0		638	
5		880	✓						10.4	-10.4		1066.9		639	
6		0	✓						5.0	-5.0		1072.3		640	
7	W	880		88	45	15			2.0	+17.1		1099.4		641	
8		1430		88	40	00			10.0	+23.5		1100.8		641 + 550	
9			✓	271	21	00			10.0					0	
10		1210		89	26	25			10.0	-2.1	1098.7			0	
11	E		✓	270	35	20			10.0					Δ	
12		880		89	21	40			5.0	+4.8		1103.5		642	
13		0	✓						5.0	-5.0		1093.7		643	
14	W	800		90	59	30			15.0	-30.2		1068.5		644	
15		1430		91	05	00			15.0	-41.9		1056.8		644 + 550	
16			✓	268	55	50			15.0					0	
17	E	2970		88	52	40			3.0	-55.9	1000.9			Δ	
18			✓	271	09	00			3.0					Δ	
19		2640		89	01	10			15.0	+30.2		1031.1		645	
20		1760		90	37	40			15.0	-34.3		966.6		646	

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STADIA SURVEY NOTES

AREA N.P.A. - 4 STATE or PROVINCE BRITISH COLUMBIA PAGE No. 17
 LINE No.(s) 138-77 PARTY No. 1173 DATE 8 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERBULL RODMAN R. SMITH WEATHER: OVERCAST - LIGHT SNOW FLURRIES 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												1000.9			
2	E	880		92 55 00				15.0		-59.7		941.2		647	
3		0	✓					5.0		-5.0		995.9	+	698	
4	W	880	✓				T 7.4	+4.4		-3.0		997.9		649	
5		1760		89 40 00				5.0		+5.2		1006.1		650	
6		2640		89 37 00				8.0		+9.7		1010.6		651	
7		3520		89 01 00				2.0		+59.2		1060.1	0	652	
8		✓		71 00 35				2.0					0	✓	
9	E	524		91 14 10				15.0		+26.2	1080.3		Δ		
10		✓		268 47 20				15.0					Δ		
11		0	✓					6.0		-6.0		1080.3	+	652+524	
12		0	✓					5.0		-6.0		1080.3	0	138-09 - Δ MARK	
13		0	✓					5.0					0	= 59652+524	
14												1079.7		BACK SIGHT	
15															
16												+0.6		MISTAKE	
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA N.P.L. - 4 STATE or PROVINCE ALASKA PAGE No. 18
 LINE No.(s) 138-77 PARTY No. 1173 DATE B Day APR Mo. 77 Yr. BOOK No.
 SURVEYOR T. SHERWIN RODMAN R. SMITH WEATHER: OVERCAST - LIGHT SNOW FLURRIES P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			▲ B.S. OF S. - S.S.
1																
2		0	✓						5.0		+6.0	1085.7				1079.7 $1085.7 - 6.0 = 1079.7$
3		0	✓						5.0							Δ $652 + 524$
4		0	✓						5.0		-6.0	1079.7				Δ $652 + 524$
5	W	356	✓						13.0		-13.0	1072.7				653
6		906		91 25 10					150.7		-37.2	1048.5				Δ $652 + 550$
7		✓		268 36 30					150.7							0
8	E	2090		87 12 40					3.0		-99.0	949.5				Δ
9		✓		272 48 50					3.0							Δ
10		1760		87 16 30					2.0		+81.6	1031.1				654
11		880		87 40 30					2.0		+33.7	983.2				655
12		0	✓						5.0		-5.0	944.5				Δ 656
13	W	880		90 47 00					15.0		-27.0	922.5				657
14		1760		90 42 10					15.0		-34.6	912.9				658
15		2640		90 48 20					15.0		-51.5	898.0				Δ 659
16		✓		269 13 10					15.0							0
17	E	2310	✓						8.5		+8.0	916.0				0
18		✓	✓						7.5							0
19		1430	✓						16.7		-10.7	895.3				660
20		550	✓						7.2		-7.2	898.8				661

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 19
 LINE No.(s) 13B-77 PARTY No. 1173 DATE 9 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERWILL RODMAN R. SMITH WEATHER: LIGHT SNOW FURRIES 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												906.0			
2		0	✓						5.0	-5.0		901.0	π	661 + 550	
3	W	330		90 45 50					15.0	-19.4		886.6		662	
4		1210	✓						4.2	-4.2		901.8		663	
5		2090		88 54 25					2.0	+27.9		943.9		664	
6		2970		88 29 50					2.0	+76.7		982.7	0	665	
7		✓		271 32 00					2.0				0		
8	E	1760		91 18 05					15.0	+59.7	1042.4		Δ		
9		✓		268 33 20					15.0				Δ		
10		880		90 47 50					15.0	-27.2		1015.2		666	
11		0	✓						5.0	-5.0		1037.4	π	667	
12	W	880	✓			B	138	-4.4		-18.1		1024.3	0	668	
13		✓				B	136	-4.4					0		
14	E	1650		88 38 50					6.0	-33.2	991.1		Δ		
15		✓		271 22 25					6.0				Δ		
16		770		88 42 10					18.0	-0.6		990.5		669	
17		0	✓						5.0	-5.0		986.1	π	669 + 770	
18	W	110	✓	93 14					14.4	-14.4		976.7		670	
19		990		93 19 00					15.0	-72.7		918.4		671	
20		1870		93 34 40					15.0	-131.5		859.6		672	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 20
 LINE No.(s) 138-77 PARTY No. 1173 DATE 9 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: SNOW PLUMETES 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												991.1				
2	W	2750		92 50 10				150		-150.4		840.7	0	673		
3		✓		267 11 10				130					0			
4	E	2090		89 28 20				20		-17.6	823.1		Δ			
5		✓		270 32 50				20					Δ			
6		1210		90 22 20				15.0		-22.9		800.2		674		
7		330	✓					6.4		-6.6		816.5		675		
8		0	✓					5.0		-5.0		818.1	π	675+330		
9	W	550		93 59 00				15.0		-53.1		770.0		676		
10		1430		93 27 15				15.0		-100.7		722.4	0	677		
11		✓		266 34 20				15.0					0			
12	E	1760		91 30 00				15.0		+60.8	783.2		Δ			
13		✓		268 31 10				15.0					Δ			
14		890		96 54 40				180 ^{H.R.}		-123.1		660.1		678	659.3	
15		0	✓					5.0		-5.0		778.2	π	679		
16	W	880		84 36 10				6.0		+76.4		859.6		680		
17		1210		84 36 10				15.0		+98.6		881.8	0	680+330		
18		✓		275 25 20				15.0					0			
19	E	550		91 47 20				15.0		+32.1	913.9		Δ			
20		✓		268 13 40				15.0					Δ			

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STADIA SURVEY NOTES

AREA N.P.A. - 4 STATE or PROVINCE ALASKA PAGE No. 21
 LINE No.(s) 138-77 PARTY No. 1173 DATE 9 Day APRIL Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERCILL RODMAN P. SMITH WEATHER: BLowing SNOW P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												913.9			
2		0	✓					5.0		-5.0		908.9	7	681	
3	W	659		88 07 25			3.0	7		+18.7		932.6	0	TBM 138-10	
4		✓		271 53 35			3.0	5						0 = 681 + 659	
5												932.1		BALL SURVET	
6												10.5		MISTLE	
7															
8															
9												932.1		TBM 138-10	
10	E	2861		91 34 30			2.0	7		+80.2	1012.3			Δ = S.P. 681 + 659	
11		✓		268 26 30			2.0	1						Δ	
12		2640		91 18 45			15.0			-74.9		937.4		682	
13		1760		91 19 25			15.0			-55.6		956.7		683	
14		880		91 08 20			15.0			-32.5		928.8		684	979.8
15		0	✓				5.0			-5.0		1007.3	7	685	
16	W	880		87 59 00			5.0			+25.9		1038.2		686	
17		1650		88 04 40			12.0	7		+40.6		1052.9	0	686 + 770	1055.9
18		✓		271 56 30			17.0	1						0	1055.5
19	E	2750		88 39 45			15.0	7		-49.6	1003.3			Δ	
20		✓		271 21 25			15.0	1							

TI-588B

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STADIA SURVEY NOTES

AREA N.P.A. - 4 STATE or PROVINCE ALASKA PAGE No. 22
 LINE No.(s) 138-77 PARTY No. 1173 DATE 10 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SMERILL RODMAN R. SMITH WEATHER: SNOW FURROWS 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												1003.3			+ 3
2	E	2640		88 46 45				80		+49.0		1052.3		687	
3		1760		88 53 00				3.0		+31.3		1034.6		688	
4		880		89 44 25				3.0		+1.0		1004.3		689	
5		0						5.0		-5.0		998.3	✓	690	
6	W	880		88 33 10				4.0		+18.2		1021.5		691	
7		1650		88 20 35				9.0		+39.0		1042.3	0	691 + 770	10445
8		✓		271 40 35				9.0					0		10453
9	E	1870		89 38 10				2.0		-10.1	1032.2		Δ		
10		✓		270 22 30				2.0					Δ		
11		1760		89 44 56				1.0		+5.8		1038.0		692	
12		880		90 16 10				15.0		-19.1		1013.1		693	
13		0	✓					5.0		-5.0		1027.2	✓	694	
14	W	880		87 18 30				4.0		+37.3		1069.5		695	
15		1760		86 16 45				3.0		+111.0		1143.2		696	
16		2640		86 15 20				15.0		+157.4		1189.6	0	697	1193.0, 1191.8
17		✓		273 45 40				15.0					0		
18	E	1760		91 31 30				15.0		+61.8	1251.4		Δ		
19		✓		268 28 30				15.0					Δ		
20		880		91 00 20				15.0		-30.4		1221.0		698	

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STADIA SURVEY NOTES

AREA N.A.R. - 6 STATE or PROVINCE ALASKA PAGE No. 23
 LINE No.(s) 13B 77 PARTY No. 1173 DATE 10 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. Spickill RODMAN R. Smith WEATHER: SNOW FLURRIES - 3/11/77 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												1251.4				
2		0	✓						5.0	-5.0		1246.4	+	699		
3	W	880	✓						10.0	-10.0		1241.4		700		
4		1760		89 54 10					24.0	-21.0		1230.4		701		
5		2640	✓						T 14.0	+32		1251.3	○	702	1254.6	
6		✓	✓						T 12.6	+32.7			○		1253.0	
7	E	2020		90 24 40					12.0	+29.5	1280.8		Δ			
8		✓		263 32 50					12.0				Δ			
9		1210		90 25 35					25.0	-24.0		1256.8		703		
10		330	✓						29	-9.9		1270.9		704		
11		0	✓						3.0	-3.0		1275.8	+	704 + 330		
12	W	550	✓						11.6	-11.5		1269.3	○	705	1272.7	
13		✓	✓						11.4				○	705	1270.9	
14	E	1339		88 05 40					10.0	-34.7	1234.6		Δ			
15		✓		271 55 30					10.0				Δ			
16		459		88 18 20					2.0	+11.6		1246.2	A	706		
17		0	✓						5.0	-5.0		1229.6	+	706 + 459		
18		0	✓						5.0	-5.0		1229.6	○	13B-11 = S.I. 706 + 459		
19		0	✓						5.0				○	003-07 = S.I. 404 + 527		
20												1231.1				

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T.S. MISTIE 1231.1

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 24
 LINE No.(s) 138-77 PARTY No. 1173 DATE 10 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERILL RODMAN R. SMITH WEATHER: SNOW - WIND - COLD - A.F.U. 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											1231.1	TBM	-138-11 + 003-07	
2		0	✓					5.0	+5.0	1236.1		Δ	= S.P. 706 + 459 - 138	
3		0	✓					5.0				Δ	= S.P. 404 + 527 - 003	
4		0	✓					5.0	-5.0		1231.1	T	706 + 459	
5	W	421		92 11 00				15.0	-31.0		1205.1		707	
6		1301		93 21 40				15.0	-90.8		1145.3	○	708 1145-1	
7			✓	266 40 10				15.0				○	1145-3	
8	E	2640		85 37 50				2.0	-199.1	946.2		Δ		
9			✓	274 23 40				2.0				Δ		
10		1760		86 02 30				2.0	+119.2		1065.4		709	
11		880		88 24 40				2.0	+22.4		968.6		710	
12		330		96 04 00				15.0	-49.7		896.5		710 + 550	
13		0	✓					5.0	-5.0		941.2	T	711	
14	W	880		88 50 10				15.0	+79.1		1025.3	○	712 1023-8	
15			✓	276 11 20				15.0				○	1024-6	
16	E	2640		91 34 20				15.0	+86.9	1112.2		Δ		
17			✓	268 27 00				15.0				Δ		
18		1760		91 28 00				15.0	-60.0		1052.2		713	
19		880		91 40 00				15.0	-40.6		1071.6		714	
20		0	✓					5.0	-5.0		1107.2	T	715	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE Ontario PAGE No. 25
 LINE No.(s) 138-77 PARTY No. 1173 DATE 10 Day Aug Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: B. F. U. 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												1112.2			
2	W	380	✓			T	7.9	+4.4			-3.3		1108.9	0	716 1107.6
3		✓	✓			T	7.5	+4.4						0	1109.0
4	E	1760	✓						70.7		+6.6	1115.5		Δ	
5		✓	✓						62.5					Δ	
6		880	✓			B	150	-4.4			-19.4		1096.1		717
7		0	✓						5.0		-5.0		1110.5	π	718
8	W	880		91 07 40					180 ^{4/2}		-35.3		1080.2		719
9		1760		91 15 40					21.0 ^{4/2}		-59.7		1055.8		720
10		2640		90 44 00					15.0		-48.1		1067.4	0	721 1066.0
11		✓		269 17 40					15.0					0	1068.2
12	E	1210		91 11 30					150		+39.9	1107.3		Δ	
13		✓		268 49 50					15.0					Δ	
14		330	✓						11.0		-11.0		1096.3		722
15		0	✓						5.0		-5.0		1102.3	π	722 + 330
16	W	550		90 40 00					15.0		-21.4		1085.9		723
17		1430		90 56 10					15.0		-38.4		1068.9		724
18	2310	1980	✓			B	75	-11.6	75		-19.5		1088.2		724 725
19		3190		90 16 00					15.0		-29.8		1077.5		726
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 26
 LINE No.(s) 138-77 PARTY No. 1173 DATE 10 Day APR Mo. 77 Yr. BOOK No.
 SURVEYOR T. SMELIOW RODMAN R. SMITH WEATHER: A.F.U. 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												1107.3				
2	W	3740		89 44 00				150		+3.3		1110.6	0	726 + 550		
3		✓		170 17 40				150					0			1108.9 1111.9
4	E	2820		93 01 50				150		+124.8	1235.4		Δ			
5		✓		267 00 00				150					Δ			
6		1760		93 58 00				150		-136.5		1098.9		727		
7		880		95 17 30				150		-95.8		1139.6		728		
8		0		✓				50		-5.0		1230.4	π	729		
9	W	880		87 07 30				6.0		+37.8		1273.2		730		
10		1210		87 11 45				12.0		+47.3		1282.7	0	730 + 330		
11		✓		272 49 25				12.0					0			1281.3 1284.9
12	E	1980		91 22 10				150		+61.9	1344.6		0			
13		✓		268 39 10				150					0			
14		1430		91 24 30				150		-50.1		1294.5		731		
15		550		90 43 50				150		-22.0		1322.6		732		
16		0		✓				50		-5.0		1339.6	π	732 + 550		
17		330		89 21 10				4.0		-0.3		1344.3		733		
18		1210		89 09 50				2.0		+15.7		1360.3		734		
19		2090		88 13 20				2.0		+62.8		1407.4		735		
20																

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STADIA SURVEY NOTES

AREA N.P.M. - 4 STATE or PROVINCE ALASKA PAGE No. 27
 LINE No.(s) 138-77 PARTY No. 1172 DATE 11 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: SNOW - AGAIN 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											1344.6			
2	W	2970		87 56 00				2.0	+105.5		1450.1	0	736	1448.8
3				272 05 10				2.0				0		1453.3
4	E	1453		93 42 00				15.0	+108.4	1558.5		Δ		
5				266 19 00				15.0				Δ		
6		573		94 48 40				15.0	-62.9		1495.6		737	
7		0	✓					5.0	-5.0		1553.5	π	737+573	
8		0	✓					5.0	-5.0		1553.5	0	138-12 = Δ KNIFE	
9		0	✓					5.0					0 = 737+573 1552.4	
10											1557.1		BARR SURVEY 1557.1	
11														
12													3.6 MISTAKE	
13														
14											1557.1		TBM 138-12 = Δ KNIFE	
15		0	✓					5.0	+5.0	1562.1		Δ = S.P. 737+573		
16		0	✓					5.0				Δ		
17		0	✓					5.0	-5.0		1557.1	π	737+573	
18	W	307	✓					6.6	-6.6		1556.0		738	
19		1187	✓					14.8	-14.8		1547.3		739	
20														

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 28
 LINE No.(s) 138-77 PARTY No. 1173 DATE 11 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN R. SMITH WEATHER: SNOW-SNOW-SNOW 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												1562.1				
2	W	1737		90 43 40				150		-36.7		1525.4	0	739	+550	
3				269 17 50				150					0			
4	E	1760		87 57 10				1.0		-62.1	1463.3		Δ			
5				272 04 00				1.0					Δ			
6		1430		88 12 50				1.0		+43.5		1566.8		740		
7		50		88 52 30				1.0		+9.8		1473.1		741		
8		0	✓					5.0		-5.0		1458.3	π	741	+50	
9	W	330		90 50 40				15.0		-20.7		1442.6		742		
10		12 10		92 24 20				15.0		-65.7		1397.6		743		
11		2090		92 08 00				15.0		-92.7		1370.6		744		
12		2970		91 50 00				15.0		-109.5		1353.8	0	745		
13				268 11 10				15.0					0			
14	E	880	✓				B	12.8	+4.4		+17.1	1370.9	Δ			
15			✓				B	12.6	+4.4				Δ			
16		0	✓					5.0		-5.0		1365.9	π	746		
17	W	880	✓					9.0		-9.0		1361.9		747		
18		1760	✓				B	10.7	-8.8		-19.2	1357.7	0	748		
19			✓				B	16.1	-8.8				0			
20																

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ARIZONA PAGE No. 29
 LINE No.(s) 138-77 PARTY No. 1173 DATE 11 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN R. SMITH WEATHER: MY GOD - CLEARING SOMEWHAT P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2	E	2640		88 13 55				5.0		-76.9	1274.8		Δ	748	
3		✓		271 47 25				5.0					Δ		
4		1760		88 14 00				2.0		+52.2	1327.0			749	
5		880		88 12 30				2.0		+29.8	1300.3			750	
6		0	✓					5.0		-5.0	1269.8		π	751	
7	W	880		90 54 40				15.0		-29.0	1245.8			752	
8		1760		91 12 30				15.0		-54.7	1220.1			753	
9		2640		91 24 55				15.0		-79.7	1194.9		0	754	
10		✓		268 36 20				15.0					0		
11	E	3190	✓				B	8.0	+16.0		+23.4	1218.3		Δ	
12		✓	✓				B	6.8	+16.0					Δ	
13		2310		90 25 00				15.0		-31.8	1186.5			755	
14		1430		90 29 50				15.0		-27.4	1190.9			756	
15		550	✓					12.7		-12.7	1205.6			757	
16		0	✓					5.0		-5.0	1213.3		π	757 + 550	
17		330	✓					12.7		-12.7	1205.6			758	
18		1210		91 15 20				15.0		-41.5	1176.8			759	
19		2080		91 02 40				15.0		-53.1	1165.2			760	
20		2970		90 46 00				15.0		-54.7	1163.6			761	

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STADIA SURVEY NOTES

AREA N.P.L. - 4 STATE or PROVINCE ALASKA PAGE No. 30
 LINE No.(s) 138-77 PARTY No. 1173 DATE 11 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERWILL RODMAN R. SMITH WEATHER: Hazy 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												1218.3			
2	W	3159		90 45 10				150		-55.7		1162.6	0	138-13 =	
3		✓		269 16 40				150					0	761 + 189	
4												1162.8		BACK SNAPEY	
5															
6												- 0.2		MISTIE	
7															
8												1162.8		TBM 138-13	
9	E	1681		88 39 50				100		-29.5	1133.3			Δ ESA 761 + 189	
10		✓		271 21 25				100						Δ	
11		990		88 39 10				4.0		+19.3		1152.6		762	
12		110	✓					3.2		-3.2		1130.1		763	
13		0	✓					5.0		-5.0		1128.3	π	763 + 110	
14	W	770		92 05 10				15.0		-43.0		1090.3		764	
15		1650		93 15 30				150		-110.1		1023.2	0	765	
16		✓		266 42 10				150						0	
17	E	2640		88 42 30				15.0		-45.2	978.0			Δ	
18		✓		271 19 20				15.0						Δ	
19		1760		92 35 30				15.0		-33.3		944.7		766	
20		1210		92 45 45				15.0		-73.2		904.8		766 + 530	

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STADIA SURVEY NOTES

AREA N.P.R.-4 STATE or PROVINCE ALABAMA PAGE No. 31
 LINE No.(s) 138-77 PARTY No. 1123 DATE 11 Day APR Mo. 27 Yr. BOOK No. _____
 SURVEYOR T. STELLER RODMAN R. SMITH WEATHER: Hazy 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												978.0			
2	E	880		93 07	30			15.0		-68.9		915.6		767	
3		0	✓					5.0		-5.0		973.0	π	768	
4	W	880		89 29	00			3.0		+9.9		982.9		769	
5		1430		89 21	50			11.0		+5.1		983.1	0	769+550	
6			✓	170 39	20			11.0					0	982.8	
7	E	1210		87 39	20			5.0		-44.7	938.4		Δ		
8			✓	272 21	50			5.0					Δ		
9		880		87 39	50			3.0		+32.8		971.2		770	
10		0	✓					5.0		-5.0		933.4	π	771	
11	W	880		88 42	50			2.0		+17.7		956.1		772	
12		1760		87 29	40			2.0		+79.4		1047.8		773	1013.0
13		2140		87 09	40			10.0		+121.0		1059.4	0	774	1058.9
14			✓	172 51	30			10.0					0		
15	E	3190						9.87		+9.1	1068.5		Δ		
16			✓					8.4					Δ		
17		2310	✓					13.2		-13.2		1055.3		975	
18		1430	✓					13.0		-13.0		1055.5		776	
19		550	✓					12.3		-12.3		1056.2		777	
20		0	✓					5.0		-5.0		1063.6	π	777+550	

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STADIA SURVEY NOTES

AREA N.A.M. - 4 STATE or PROVINCE ALASKA PAGE No. 32
 LINE No.(s) 138-17 PARTY No. 1173 DATE 11 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN R. SMITH WEATHER: Mo-Hum - Snow Again 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												1068.5			
2	W	330	✓								-3.4		1065.1	778	
3		1210		89 29 40							+7.7		1076.2	779	
4		2030		89 04 20							+30.8		1099.3	780	
5		2970		88 48 40							+58.6		1127.1	781	
6		3238		88 47 50							+63.6		1132.1	○ 781 + 268 - L 038 1131.4	
7		✓		271 13 35										○ 433 + 229 - L 036	
8															
9															TBM 138 - 14 NOT RECOVERED
10															
11													1132.1		INT - L 138 + L 036
12	E	612		88 55 10							-6.7	1125.4			Δ = SR 781 + 268 - 138
13		✓		271 06 10											Δ = S.P. 433 + 229 - D36
14	SE	680		88 57 50							+7.9		1133.3		Δ SR 433 - LWF 036
15		0	✓								-5.0		1120.4	782	
16	W	880		91 50 30							-43.3		1082.1	783	
17		1760		92 02 00							-77.4		1048.0	784	
18		2660		91 54 40							-102.5		1022.9	○ 785	1022.0
19		✓		268 06 40										○	
20															

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STADIA SURVEY NOTES

AREA N.P.L. - 4 STATE or PROVINCE ALASKA PAGE No. 33
 LINE No.(s) 138-77 PARTY No. 1173 DATE 12 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN R. SMITH WEATHER: CLEAR - WINDY PSE! 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												1022.9			
2	E	1430		90 16 40				150		+21.7	1044.6		Δ	785	
3		✓		269 44 40				150					Δ		
4		550	✓					7.8		-7.8		1036.8		786	
5		0	✓					5.0		-5.0		1039.6	π	786 + 50	
6	W	330		90 26 50				150		-17.6		1027.0		787	
7		1210		92 09 45				150		-60.6		984.0		788	
8		2080		91 54 00				150		-84.3		960.3		789	
9		2970		90 44 50				150		-53.2		991.4	⊙	790	990.3
10		✓		269 06 30				150					⊙	✓	
11	E	2979		91 17 00				150		+80.9	1072.3		Δ		
12		✓		268 44 30				15.7					Δ		
13		2090		90 57 20				15.0		-49.8		1022.5		791	
14		1210		91 11 30				15.0		-40.2		1032.1		792	
15		330	✓					13.3		-13.3		1059.0		793	
16		0	✓					5.0		-5.0		1067.3	π	793 + 330	
17	W	550		89 35 50				2.0		+1.9		1074.2		794	
18		1430		89 26 20				9.0		+5.3		1077.6	⊙	795	1076.4
19		✓		270 35 10				9.0					⊙		
20															

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STADIA SURVEY NOTES

AREA N.P.L. - 4 STATE or PROVINCE ALASKA PAGE No. 34
 LINE No.(s) 138-77 PARTY No. 1173 DATE 12 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR TI SPERRILL RODMAN R. SMITH WEATHER: CLEAR - WONDERFULLY 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												1077.6			
2	E	550		88 34 50				6.0		-7.7	1069.9		A	795	
3		✓		271 26 40				6.0					A		
4		0	✓					5.0		-5.0		1064.9	π	795 + 550	
5	W	330		93 03 10				15.0		-32.5		1037.4		796	
6		1210		93 21 10				15.0		-85.6		984.3		797	
7		2090		92 45 00				15.0		-115.2		954.7		798	
8		2640		92 52 10				15.0		-146.4		923.5	⊙	798 + 550	922.1
9		✓		267 08 30				15.0		146.4			⊙		
10	E	2860		87 41 25				2.0		-115.9	807.6		A		809.7
11		✓		272 20 20				2.0					A		
12		1530		88 04 40				2.0		+82.8		890.4		799	
13		1650		88 34 10				2.0		+39.2		846.8		800	
14		770		90 30 00				15.0		-21.7		785.9		801	
15	440	390		94 17 40				15.0		-47.9		759.7	π	801 + 330	
16	100	100	✓					5.0		-5.0		802.6	π	802 + 770	
17	W	110	✓					7.2		-7.2		800.4		802	
18		990		87 19 00				2.0		+44.3		851.9		803	
19		1870		87 04 00				11.0		+83.0		890.6	⊙	804	892.8 891.2
20		✓		272 57 40				13.0					⊙		

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STADIA SURVEY NOTES

AREA N.P.L. -4 STATE or PROVINCE ALASKA PAGE No. 35
 LINE No.(s) 138-77 PARTY No. 1173 DATE 12 Day APR Mo. 77 Yr. BOOK No.
 SURVEYOR T. SHELLIV RODMAN R. SMITH 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												890.6			
2	E	1760		91 51 00				150.7		+71.4	962.0		A	804	
3		✓		268 10 30				150.0					A		
4		880		92 32 20				15.0		-53.9		908.1		805	
5		0	✓					5.0		-5.0		957.0	π	806	
6	W	880	✓				B	134 -44		-17.8		944.2		807	
7		1760		90 32 10				15.0		-31.5		930.5		808	
8		2640	✓					11.4		-11.4		950.6		809	
9		3520		89 38 10				3.0		+20.2		982.2	0	810	984.2 982.4
10		✓		270 23 30				3.0					0		
11	E	880		92 04 10				15.0		+46.6	1028.8		A		
12		✓		267 57 00				15.0					A		
13		0	✓					5.0		-5.0		1023.8	π	811	
14	W	442		89 16 40				7.0		+3.6		1032.4	0	138-15	1034.5
15		✓		270 44 00				2.0							0=S.P. 811 + 442
16												1032.7			BACK SIGHT 1032.7
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 36
 LINE No.(s) 138-77 PARTY No. 1173 DATE 13 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERILL RODMAN R. SMITH 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															
2	E	2198		88 42 25				9.0	-41.1	991.6	1032.7		TB 4	138-15	
3		✓		271 19 05				9.0					Δ	= S.P. 811 + 442	
4		1760		88 43 50				2.0	+37.0		1028.6		B12		
5		880		89 10 00				2.0	+10.0		1002.4		B13		
6		0	✓					5.0	-5.0		986.6		T	B14	
7	W	880		89 20 30				2.0	+8.1		999.7		B15		
8		1760		88 46 20				3.0	+34.7		1026.3		B16		
9		2640		88 47 15				9.0	+47.4		1039.0		O	B17	1038.7
10		✓		271 14 10				9.0					O		
11	E	2310		91 28 50				15.0	+74.2	1113.2			Δ		
12		✓		268 32 30				15.0					Δ		
13		1430		91 24 10				15.0	-50.0		1063.2		B18		
14		550		90 31 10				15.0	-20.0		1093.2		B19		
15		0	✓					5.0	-5.0		1108.2		T	B19 1550	
16	W	330	✓					9.0	-9.0		1104.2		B20		
17		1210		90 40 00				15.0	-29.1		1084.1		B21		
18		2090		90 45 10				15.0	-41.9		1071.3		O	B22	1070.8
19		✓		269 16 30				15.0					O		
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 37
 LINE No.(s) 138-77 PARTY No. 1173 DATE 13 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERWILL RODMAN R. SMITH 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	E	2640		89 03 25				80		-35.9	1035.4	1071.3	Δ	822		
3		✓		270 57 45				80					Δ			
4		1760		89 18 20				3.0		+18.3		1053.7		823		
5		880		89 40 40				4.0		+0.9		1036.3		824		
6		0	✓					50		-50		1030.4	π	825		
7	W	880		89 13 30				2.0		+9.9		1045.3		826		
8		1760		88 36 50				2.0		+40.6		1076.0		827		
9		2640		88 31 20				3.0		+65.6		1101.0	○	828	1100.2	
10		✓		271 30 05				3.0					○			
11	E	2090		91 21 00				150		+63.7	1164.7		Δ			
12		✓		268 40 40				150					Δ			
13		1210		91 15 30				150		-41.6		1123.1		829		
14		330	✓					140		-14.0		1150.7		830		
15		0	✓					5.0		-5.0		1159.7	π	830 + 330		
16	W	392	✓					2.2		-7.2		1162.5	○	138-16		
17		✓						2.2					○	S.P. 830 + 722		
18												1161.6		BACK SURVEY	1161.6	
19																
20												+0.9		MISOTE		

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STADIA SURVEY NOTES

AREA N.P.L. 4 STATE or PROVINCE ALASKA PAGE No. 38
 LINE No.(s) 138-77 PARTY No. 1173 DATE 13 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERMAN RODMAN R. SMITH 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												1161.6	138-16		
2	↙	2798		89 21 40				50		-26.9	1134.7		Δ = S.P. 830 + 722		
3				270 40 10				50					Δ		
4		2640		89 24 20				3.0		+24.4		1159.1	831		
5		1760	✓				T	8.8	+8.8	0.0		1134.7	832		
6		880	✓					4.4		-4.4		1130.3	833		
7		0	✓					5.0		-5.0		1129.7	π 834		
8	TW	880		90 57 50				15.0		-29.6		1105.1	0 835	1105.2	
9				269 03 50				15.0					0	1105.1	
10	E	2640		86 12 40				11.0		-163.7	941.4		Δ		
11				273 49 00				11.0					Δ		
12		1760		86 13 30				8.0		+107.6		1049.0	836		
13		880		86 15 30				3.0		+54.3		995.7	837		
14		0	✓					5.0		-5.0		936.4	π 838		
15	W	580		92 12 30				15.0		-36.2		905.2	838 + 550		
16		880		90 58 20				15.0		-29.9		911.5	839		
17		1760		89 46 10				3.0		+4.1		945.5	840		
18		2090	✓				T	5.4	+10.5	+4.6		946.0	0 840 + 330		
19			✓				T	4.4	+10.5				0	946.7	946.4
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 3839
 LINE No.(s) 138-77 PARTY No. 1173 DATE 14 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKUL RODMAN R. SMITH 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												946.0			
2	E	2640		88 26 50				5.0		-67.2	878.8		Δ	840 + 330	
3		✓		271 34 50				5.0					Δ		
4		2090		88 42 20				3.0		+44.2		923.0		841	
5		1210	✓	94 29 50				9.5		-9.5		869.3		842	
6		330		94 29 00				15.0		-40.7		838.1		843	
7		0	✓					5.0		-5.0		873.8	π	843 + 330	
8	W	550		87 20 40				2.0		+23.5		902.3		844	
9		1430		86 46 50				3.0		+77.2		956.0		845	
10		2310		86 42 40				3.0		+129.3		1008.1		846	
11		3190		96 34 50				5.0		+185.7		1064.5	0	847	10.65.5
12		✓		273 26 50				5.0					0		10.64.9
13	E	2640		90 08 00				15.0		+20.6	1085.1		Δ		
14		✓		269 53 30				15.0					Δ		
15		1760	✓					14.4		-14.4		1070.7		848	
16		880	✓					11.6		-11.6		1073.5		849	
17		0	✓					5.0		-5.0		1080.1	π	850	
18	W	880	✓					2.0		-2.0		1083.1		851	
19		1760	✓					T 10.7	+8.8	-1.9		1083.2		852	
20		2640	✓					T 13.6	+13.2	+0.4		1085.5		853	

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STADIA SURVEY NOTES

AREA N.I.P.P. - 4 STATE or PROVINCE ALASKA PAGE No. 40
 LINE No.(s) 138-77 PARTY No. 1173 DATE 14 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN R. SMITH 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												1085.1			
2	2927	2927	✓			T	13.4	+14.6		+1.9		1087.0	0	TDM-138-17	1088.0
3	W	✓	✓			T	12.0	+14.6						Q.S.P. 853+287	1087.2
4												1087.2		BARR SURVEY	
5															(0.8)
6														0.8 MISTLE	
7	E	593	✓						7.7	+7.7		1087.2		TDM 138-17	
8		✓	✓						7.6			1094.9		Δ = S.P. 853+287	
9														Δ	
10															
11		425	✓						8.4	-8.4		1086.3		INT = S.P. 853+455	-138
12		✓	✓						8.6					= S.P. 507+117	-037
13		480	✓						7.8	-7.8		1087.1		S.P. 507-LINE	037
14															
15		0	✓						5.0	-5.0		1089.9	T	854	
16	W	880	✓			B	14.8	-9.4		-19.2		1075.7		855	
17		1760		90	44' 10"				15.0	-37.6		1057.3		856	
18		2640		90	46' 10"				15.0	-50.1		1044.8	0	857	
19		✓		269	14' 50"				15.0				0		
20															

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STADIA SURVEY NOTES

AREA N.P.A. -4 STATE or PROVINCE ALASKA PAGE No. 41
 LINE No.(s) 138-77 PARTY No. 1173 DATE 14 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERMILL RODMAN R. SMITH 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2	E	2640	✓			B	8.4	+13.2			+20.9	1065.7		Δ	857
3		✓	✓			B	7.0	+13.2						Δ	
4		1760	✓			B	11.0	-8.8			-19.8	1045.9			858
5		880	✓								-15.0	1050.7			859
6		0	✓								-5.0	1060.7			860
7	W	080	✓								-2.6	1063.1			861
8		1760	✓			T	13.4	+8.8			-5.0	1060.7		○	862
9		✓	✓			T	14.2							○	
10	E	2970		89 13 40							-37.6	1023.1		Δ	
11		✓		270 47 40										Δ	
12		2090	✓			B	6.2	-10.5			-16.7	1006.4			863
13		1210		91 46 30							-52.5	970.6			864
14		330		91 30 00							-23.6	999.5			865
15		0	✓								-5.0	1018.1			865 + 330
16	W	550		94 28 20							-57.8	965.3			866
17		1430		92 21 10							-73.7	949.4			867
18		2310	✓								-11.2	1011.9			868
19		2640	✓			T	8.0	+13.2			+6.0	1029.1		○	868 + 330
20		✓	✓			T	6.4	+13.2						○	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 42
 LINE No.(s) 138-77 PARTY No. 1173 DATE 14 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERLIN RODMAN R. SMITH 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												1029.1			
2	E	1430	✓			T	6.2	-7.2			-1.2	1027.9		A	868+ 330
3		✓	✓			T	6.8	-7.2						Δ	
4		880		90 41 20					15.0		-25.6	1002.3			862
5		0	✓						5.0		-5.0	1022.9		T	870
6	W	880		90 37 00					15.0		-24.5	1003.4			871
7		1760		90 11 50					15.0		-21.1	1006.8			872
8		2640	✓						9.8		-9.8	1018.1			873
9		3520		89 18 50					2.0		+4.0	1068.9		⊙	874
10		✓		270 42 50					2.0					⊙	
11	E	880	✓			T	14.1	-4.4			+9.5	1078.4		Δ	
12		✓	✓			T	13.7	-4.0						Δ	
13		0	✓						5.0		-5.0	1073.4		T	875
14	W	880	✓			B	12.1	-4.4			-16.5	1061.9			876
15		1760				B	7.8	-8.8			-16.6	1061.8			877
16		2640	✓						13.6		-13.0	1065.4		⊙	878
17		✓	✓						12.4					⊙	
18	E	2640	✓						16.0		+15.4	1080.8		Δ	
19		✓	✓						14.8					Δ	
20															

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WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE BRASKA PAGE No. 43
 LINE No.(s) 138-77 PARTY No. 1173 DATE 14 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												1080.8			
2	1760	1760	✓						9.6		-9.6	1071.2		879	
3	880	880	✓						10.7		-10.7	1070.1		880	
4	0	0	✓						5.0		-5.0	1075.8	κ	881	
5	880	880	✓					T	5.7		+4.4	1079.5		882	
6		1760		89	40	00			3.0		+7.2	1088.0		883	
7		2690		89	33	50			3.0		+17.6	1098.4	⊙	884	
8				270	27	30			3.0				⊙		
9	E	1964		90	36	50			15.0		+35.6	1134.0		Δ	
10				269	24	40			15.0					Δ	
11		1084		90	30	00			15.0		-24.5	1109.5		885	
12		204	✓						8.0		-8.0	1126.0		886	
13		0	✓						5.0		-5.0	1129.0	κ	886+204	
14		0	✓						5.0		-5.0	1129.0	⊙	138-18	
15		0	✓						5.0				⊙	S.P. 886+204	
16												1128.8		BARR SWALEY	
17															
18												+0.2		MISLE	
19															
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 44
 LINE No.(s) 138-77 PARTY No. 1173 DATE 14 Day APR Mo. 77 Yr. BOOK No.
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												1128.8		TBM 138-18	
2		0	/					50.0		+5.0	1133.8			Δ = 51.886 + 2.01	
3		0	/					50.0						Δ	
4		0	/					50.0		-5.0		1128.8		886 + 2.04	
5	W	676	✓					7.0		-7.0		1126.8		887	
6		1556	✓					7.6		-7.3		1126.5	⊙	888	1126.5
7			✓					7.0					⊙		
8	E	1430		86	19	40		6.0		-85.7	1040.8		Δ		
9		✓		273	41	40		6.0					Δ		
10		550		87	26	30		2.0		+22.5		1063.3		889	
11		0	✓					1.0		-5.0		1035.8	▲	889 + 550	
12	W	330		92	32	40		15.0		-29.6		1011.2		890	
13		880		94	28	00		15.0		-83.3		957.5		890 + 550	
14		1210		92	33	10		15.0		-68.8		972.0		891	
15		1320		92	13	10		15.0		-66.1		974.7		891 + 110	
16		2090		92	07	10		15.0		-92.2		948.6		892	
17		2200		92	17	00		15.0		-102.6		938.2		892 + 110	
18		2970		90	58	30		15.0		-65.5		975.3		893	
19		3850	✓				B	11.6	-19.3			1009.9		894	
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 45
 LINE No.(s) 138-77 PARTY No. 1173 DATE 15 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERMILL RODMAN R. SMITH 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												1040.8			
2	W	3960	✓			B	6.1	-18.8			-24.0		1016.8	0	894 + 110
3			✓			B	4.3	-18.8						0	1015.3 1015.2
4	E	3080	✓			B	150.7	+154			+29.8	1046.6		Δ	
5			✓			B	13.85	+154						Δ	
6		2310		90 42 00					150		-43.2		1003.4		895
7		1980		90 37 30					150		-36.6		1010.0		895 + 330
8		1430		91 44 50					150		-58.6		988.0		896
9		550		92 21 20					150		-37.6		1009.0		897
10		0	✓						5.0		-5.0		1041.6	π	897 + 550
11	W	330		88 21 30					3.0		+6.5		1053.1		898
12		1210		86 46 20					2.0		+66.0		1112.6		899
13		1540		86 28 00					2.0		+92.1		1138.7	0	899 + 330
14				273 33 30					3.0					0	1137.5 1137.3
15	E	1430		89 43 00					5.0		-2.3	1136.4		Δ	
16			✓	270 18 10					5.0					Δ	
17		880	✓						3.5		-3.5		1132.9		900
18		0	✓						5.0		-5.0		1131.4	π	901
19	W	880		91 05 00					150		-31.6		1104.8		902
20		1760		91 09 30					15.0		-50.6		1085.8		903

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 44
 LINE No.(s) 138-77 PARTY No. 1173 DATE 15 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR F. SHERAUL RODMAN R. Smith 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												1136.4			
2	W	2640		91 14 40				15.0		-71.9		1064.5	0	904	
3		✓		268 46 20				15.0					0		1063-1 1062.8
4	E	2640		90 16 40				15.0		+27.3		1091.8		Δ	
5		✓		269 44 40				15.0						Δ	
6		1760		90 49 50				15.0		-40.5		1051.3		905	
7		880		91 56 40				15.0		-44.8		1047.0		906	
8		0	✓					5.0		-5.0		1086.8	π	907	
9	W	880		88 37 00				3.0		+18.2		1110.0		908	
10		1760		88 36 40				11.0		+32.0		1123.8	0	909	1122.5 1122.2
11		✓		271 24 50				11.0					0		
12															
13															TBM 138-19 Not Recovered
14															
15	E	1760	✓					10.1		+9.6		1133.4		909	
16		✓						9.1						Δ	
17		880		90 19 40				15.0		-20.0		1113.4		910	
18		0	✓					5.0		-5.0		1128.4	π	911	
19	W	880		92 04 20				15.0		-46.8		1086.6		912	
20		1760		91 58 40				15.0		-75.7		1057.7		913	

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STADIA SURVEY NOTES

AREA N.P.L. - 4 STATE or PROVINCE ALASKA PAGE No. 47
 LINE No.(s) 138-77 PARTY No. 1173 DATE 15 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												1133.4			
2	W	2640		91 53 40				150		-101.7		1031.7	0	914	1030.4
3		✓		268 07 50				150					0		1030.0
4	E	2640	✓				B	6.4	+13.2		+19.1	1050.8	Δ		
5		✓	✓				B	5.4	+13.2				Δ		
6		1760		90 47 50				150		-39.5		1011.3		915	
7		880		90 32 40				150		-23.4		1027.4		916	
8		0	✓					5.0		-50		1045.8	τ	917	
9															
10	W	161	✓					3.7		-2.7		1048.1			INT = 917 + 161 = 692 + 58'
11															
12															
13	NW	150	✓					3.4		-3.4		1047.4			St. 692 - LWC 0 45
14															
15	W	880		88 49 40				3.0		+15.0		1065.8		918	
16		1760		88 43 50				3.0		+36.0		1086.8		919	
17		2310		88 42 50				9.0		+43.2		1094.0	0	919 + 550	1092.7
18		✓		871 18 10				9.0					0		1092.2
19	E	650	✓					9.5		+9.4		1103.4	Δ		
20		✓	✓					9.3					Δ		

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2nd

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 48
 LINE No.(s) 138-77 PARTY No. 1173 DATE 15 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												1103.4			
2	E	324	✓								-8.0	1095.4		920	
3		0	✓								-5.0	1098.4	π	920 + 324	
4		0	✓								-5.0	1098.4	0	138-20 1097.1	
5		0	✓										0	= S.P. 920 + 324	
6												1096.6		BARR SURVEY	1096.6
7															
8													+ LB	MISTIE	
9															
10												1096.6		T&M 138-20	
11		0	✓								+5.0	1101.6		Δ = S.P. 920 + 324	
12		0	✓											Δ	
13		0	✓								-5.0	1096.6	π	920 + 324	
14	W	556	✓				B	136	-2.8		-16.4	1085.2		921	
15		1436		90	58	10					-39.3	1062.3		922	
16		2316		90	46	40					-46.4	1055.2		923	
17		3196		90	23	20					-36.1	1065.5	0	924	1065.2
18		✓		269	37	50							0		1065.5
19	E	2970	✓				B	8.8	+14.9		-6.9	1088.6		Δ	
20		✓	✓				B	7.6	+14.9		+23.1			Δ	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 49
 LINE No.(s) 138-77 PARTY No. 1173 DATE 15 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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											1088.6				
2	E	2090	✓			B	7.3	-10.5			-17.8	1070.8		925	
3		1210	✓			B	11.2	-6.1			-17.3	1071.3		926	
4		330	✓						9.0		-9.0	1079.6		927	
5		0	✓						5.0		-5.0	1083.6	π	927+330	
6	W	550		89	37	50			3.0		+0.5	1089.1		928	
7		1430		89	18	50			3.0		+14.1	1102.7		929	
8		2310		88	53	50			2.0		+42.5	1131.1		930	
9		3190		88	44	20			4.0		+66.2	1154.8		931	
10		3300		88	44	30			5.0		+68.0	1156.6	0	931+110	
11		✓		271	16	30			5.0				0	1156.2	1157.1
12	E	1320		89	33	30			6.0		-4.8	1157.8	Δ		
13		✓		270	27	30			6.0				Δ		
14		550		89	28	20			6.0		-0.9	1150.9		932	
15		0	✓						5.0		-5.0	1146.8	π	932+550	
16		330		90	56	00			15.0		-20.4	1131.4		933	
17		1210		91	58	30			15.0		-55.7	1096.1		934	
18		2090		91	56	20			15.0		-85.2	1066.6	0	935	1066.5 1067.8
19		✓		268	05	15			15.0				0		
20															

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STADIA SURVEY NOTES

AREA N.P.L. - 4 STATE or PROVINCE ALASKA PAGE No. 50
 LINE No.(s) 138-77 PARTY No. 1173 DATE 16 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: SNOW FLURRIES 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												1066.6			
2	E	1760	✓					7.4		+7.3	1073.9		Δ	935	
3		✓	✓					7.2					Δ		
4		880		91	14	40		15.0		-34.1	1039.8			936	
5		0	✓					5.0		-5.0	1068.9		π	937	
6	W	880		88	39	00		3.0		+17.7	1091.6			938	
7		1760		87	24	50		3.0		+76.4	1150.3			939	
8		2600		87	19	50		15.0		+108.0	1181.9		0	940	1181.7
9		✓		272	40	15		15.0					0		1183.4
10	E	2640	✓				T	14.4	-13.2		+0.8	1182.7		Δ	
11		✓	✓				T	13.6	-13.2					Δ	
12		1760	✓					11.4		-11.4	1171.3			941	
13		880	✓				B	12.0	-4.4		-16.4	1166.3			942
14		0	✓					5.0		-5.0	1177.7		π	943	
15	W	880		88	25	20		3.0		+21.2	1203.9			944	
16		1760		88	11	00		5.0		+50.8	1233.5			945	
17		2600		88	09	10		7.0		+78.4	1261.1		0	946	1260.9
18		✓		271	51	30		7.0					0		1263.1
19	E	813	✓				B	11.4	+4.2		+15.6	1276.7		Δ	
20		✓	✓				B	11.3	+4.2					Δ	

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2nd _____

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 51
 LINE No.(s) 138-77 PARTY No. 1173 DATE 16 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERMAN RODMAN R. SMITH WEATHER: OCCASIONAL SNOW FLURRIES 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											1276.7			
2		0	✓					6.0	-6.0				T	946+813
3		0	✓					6.0	-6.0		1270.7		Δ	NATURAL 1270.3 1272.6
4		0	✓					6.0					Δ	S.P. 946+813
5											1272.6			BACK SURVEY
6														
7											-1.9			MISPE
8														
9											1272.6		Δ	NATURAL
10		0	✓					6.0	+6.0	1278.6			Δ	S.P. 946+813
11		0	✓					6.0						
12		0	✓					6.0	-6.0		1272.6		T	946+813
13	W	67	✓					7.2	-7.2		1271.4			947
14		947		90	23	20		15.0	-21.4		1257.2			948
15		1827		90	58	10		15.0	-45.9		1232.7			949
16		2707		90	46	10		15.0	-51.2		1227.4		Δ	950 1227.5
17		✓		264	14	20		15.0						
18	E	2640		89	17	30		8.0	-24.8	1202.6			Δ	
19		✓		270	42	50		8.0						
20		1760		89	14	30		8.0	+15.3		1217.9			951

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STADIA SURVEY NOTES

AREA N.P.R. -4 STATE or PROVINCE ALASKA PAGE No. 52
 LINE No.(s) 138-77 PARTY No. 1173 DATE 16 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN R. SMITH WEATHER: PLTY CUD P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Δ B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1202.6				
2	E	880		89 18 00				4.0		+6.8		1209.4		952		
3		0	✓					5.0		-5.0		1197.6	π	953		
4	W	880		90 48 20				15.0		-27.4		1175.2		954		
5		1760		90 46 40				15.0		-38.9		1163.7		955		
6		2640		90 18 10				15.0		-28.8		1173.8	0	956	1174.0	
7			✓	269 42 10				15.0					0			
8	E	3190		90 51 40				15.0		+62.9	1236.7		Δ			
9			✓	269 08 20				15.0					Δ			
10		2310		91 00 00				15.0		-55.3		1181.4		957		
11		1430		91 04 30				15.0		-41.8		1194.9		958		
12		550	✓					12.3		-12.3		1224.2		959		
13		0	✓					5.0		-5.0		1231.7	π	959+550		
14	W	330	✓					9.1		-9.1		1227.6		960		
15		1210		90 39 20				15.0		-28.7		1208.0	0	961	1208.2	
16			✓	269 21 30				15.0					0			
17	E	2640		88 00 25				3.0		-84.4	1123.6		Δ			
18			✓	271 54 10				3.0					Δ			
19		1760		88 11 20				6.0		+49.6		1173.2		967		
20		880		88 14 40				3.0		+24.0		1147.6		963		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 53
 LINE No.(s) 138-77 PARTY No. 1173 DATE 16 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN R. SMITH 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												1123.6			
2		0	✓					5.0		-5.0		1118.6	π	964	
3	W	880		91 52 00			15.0			-43.7		1079.9		965	
4		1760		90 57 40			15.0			-44.5		1079.1		966	
5		2640	✓				12.0			-11.8		1111.8	0	967	1112.1
6			✓				11.6						0		
7	E	2640		91 22 20			15.0			+78.0	1189.8		Δ		
8			✓	268 38 10			15.0						Δ		
9		1760		91 18 20			15.0			-55.1		1134.7		968	
10		880		91 02 00			15.0			-30.9		1158.9		969	
11		0	✓				5.0			-5.0		1184.8	π	970	
12	W	233	✓				8.3			-8.3		1181.5	0	138-21	
13			✓				8.3							0	S.P. 970+233
14												1181.9			BARR SURVEY #81.9
15															
16												-0.4		MISTIE	
17															
18												1181.9		TBA	138-21
19	W	233	✓				8.3			+8.3	1190.2		Δ	S.P. 970+233	
20			✓				8.3						Δ		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 54
 LINE No.(s) 138-77 PARTY No. 1173 DATE 16 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: CLEAR 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												1190.2				
2	W	880		90 45 30				15.0		-26.6		1163.6	○	971	1163.4	
3		✓		269 15 00				15.0					○			
4	E	2640		89 06 56				15.0		26.0	1127.6		Δ			
5		✓		270 53 35				15.0					Δ			
6		1760	✓	91 46 20				5.2		-5.2		1122.4		972		
7		880		91 46 20				15.0		-42.2		1085.4		973		
8		0	✓					5.0		-5.0		1122.6	✕	974		
9	W	880		89 22 00				3.0		+6.7		1134.3		975		
10		1760		88 17 40				3.0	+18.7	+49.4		1146.3		976		
11		2640		89 18 40				5.0		+26.7		1154.3		977		
12		2970		89 19 10				5.0		+30.3		1157.9	○	977 + 330		
13		✓		270 40 50				5.0					○		1157.3	
14	E	2310		89 25 00				5.0		-18.7	1139.2		Δ			
15		✓		270 35 30				5.0					Δ			
16		1760		89 23 40				7.0		+11.6		1150.8		978		
17		880		89 25 00				4.0		+5.0		1144.2		979		
18		0	✓					5.0		-5.0		1134.2	✕	980		
19	W	880		90 54 00				15.0		-28.8		1110.4		981		
20		1760	✓					B 12.8	-8.8			1117.6		982		

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STADIA SURVEY NOTES

AREA N.P.A. - 4 STATE or PROVINCE ALASKA PAGE No. 55
 LINE No.(s) 138-77 PARTY No. 1123 DATE 16 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												1139.2				
2	W	2640	✓							-9.5		1129.7	0	983	1128.8	
3			✓										0			
4	E	2640		90 38 00						+43.9		1173.6				
5			✓	269 22 40												
6		1760		91 04 30						-48.0		1125.6		984		
7		880		90 23 30						-21.0		1152.6		985		
8		0	✓							-5.0		1168.6	π	986		
9	W	880	✓							-3.6		1170.0		987		
10		1760	✓			T	5.0	+8.8		+3.8		1177.4		988		
11		2640	✓			T	10.0	+13.2		+2.5		1176.7	0	989	1177.1	
12			✓			T	9.4	+13.2					0		1175.8	
13	E	2640		90 55 00						+57.2		1233.3				
14			✓	269 05 00												
15		1760		91 06 15						-48.9		1184.4		980		
16		880		90 50 40						-28.0		1205.3		991		
17		0	✓							-5.0		1228.3	π	992		
18	W	880		88 31 20						+19.7		1253.0		993		
19		1760		88 29 30						+41.3		1274.6		994		
20																

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 56
 LINE No.(s) 13B-77 PARTY No. 1173 DATE 16 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHARRILL RODMAN R. SMITH WEATHER: CLEAR 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	Correc-tion	Center Hair			INST.	ROD		
1												1233.3			
2	W	2374		88 28 00					10.0	+53.5		1286.8	INT	=S.P. 994+614	
3														=S.P. 454+118	
4															
5	NW	2380		88 23 10					12.0	+550		1280.3		S.P. 454. LINE 046	
6															
7	W	2860		88 28 50					10.0	+60.0		1293.3		995	
8		3198		88 31 30					9.0	+73.6		1306.9	○	138-22 1307.9	
9				271 29 10					9.0				○	=S.P. 995+558	
10												1306.2		BARK SURVEY 1306.2	
11															
12												+0.1		MISTAKE	
13															
14															
15												1306.2		TBM 138-22	
16	E	2962		88 51 30					6.0	-53.7		1253.0	Δ	=S.P. 995+558	
17				271 09 00					6.0				Δ		
18		2640		88 52 10					2.0	+50.1		1303.1		996	
19		1760		89 20 30					3.0	+17.2		1270.2		997	
20		880							4.0	-4.0		1249.0		998	

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STADIA SURVEY NOTES

AREA N.A.A. - 4 STATE or PROVINCE ARIZONA PAGE No. 57
 LINE No.(s) 138-77 PARTY No. 1173 DATE 17 Day AK Mo. 27 Yr. BOOK No.
 SURVEYOR T. SHERALIN RODMAN R. SMITH 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												1253.0			
2		0	✓					5.0		-5.0		1248.0	π	999	
3	W	880		90 40 00				15.0		-25.2		1227.8		1000	
4		1760	✓				B	8.6	-8.8			1235.6		1001	
5		2310	✓				B	13.4	-11.6			1228.2	0	1007 + 5.50	
6		✓	✓				B	13.0	-11.6				0		1228.8
7	E	2420		89 03 20				2.0		-38.1	1190.1		Δ		
8		✓		170 57 20				2.0					Δ		
9		2090		89 19 00				3.0		+21.9		1212.0		1007	
10	(1210)	2200	✓				T	9.9	+6.1			1186.3		1003	
11	(330)	830	✓					6.0		-6.0		1184.1	π	1009 + 330	
12	W	500	✓					5.0		-5.0		1185.1		1007 + 330	
13		530		90 33 20				15.0		-20.3		1169.8		1005	
14		1430	✓					11.2		-11.2		1178.9		1006	
15		2310		90 15 20				15.0		-25.3		1164.8		1007	
16		3190	✓					14.5		-14.2		1175.9	0	1008	1177.2
17		✓	✓					13.9					0		
18	E	2970		91 01 30				15.0		+67.8	1243.7		Δ		
19		✓		268 59 15				15.0					Δ		
20		2090		91 00 40				15.0		-51.9		1191.8		1009	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 58
 LINE No.(s) 138-77 PARTY No. 1173 DATE 17 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SIKERULL RODMAN R. SMITH 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												1243.7			
2	E	1210		91 10 00				15.0		-39.6		1204.1		1010	
3		330		90 22 20				15.0		-17.1		1226.6		1011	
4		0	✓					5.0		-5.0		1238.7	π	1011 + 330	
5	W	550		88 39 40				2.0		+10.9		1254.6		1012	
6		1430		88 38 40				15.0		+18.8		1262.5		1013	
7		1575		88 41 10				13.0		+23.3		1267.0	0	138-23	
8		✓		271 19 40				13.0						0 = S.P. 1013 + 1.46	
9												1268.8		BARK SURVEY	1268.8
10															
11												-1.8		M: 5916	
12															
13												1268.8		TBM 138-23	
14	E	1614		88 57 30				9.0		-20.6		1248.2		Δ = S.P. 1013 + 1.46	
15		✓		271 03 25				9.0						Δ	
16		880		88 55 10				3.0		+13.6		1261.8		1014	
17		0	✓					5.0		-5.0		1243.2	π	1015	
18	W	880		91 35 35				15.0		-39.5		1208.7		1016	
19		1760		91 54 30				15.0		-73.6		1174.6		1017	
20		2090		92 12 00				1.0		-84.2		1167.0		1017 + 330	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 59
 LINE No.(s) 138-77 PARTY No. 1173 DATE 17 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERMAN RODMAN R. SMITH 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												1248.2				
2	W	2640		91 35 40				15.0		-88.0		1160.2	0	1018	1160.0	
3		✓		268 25 40				15.0					0			
4	E	2090		90 15 15				15.0		+74.1		1184.3				
5		✓		269 45 25				15.0								
6		1210		90 32 10				15.0		-26.3		1158.0		1019		
7		330	✓					11.6		-11.6		1172.7		1020		
8		0	✓					5.0		-5.0		1179.3	π	1020+330		
9	W	550	✓				0	12.7	-2.8	-15.5		1168.8		1021		
10		1430	✓				8	23	-7.2	-16.5		1167.8		1022		
11		2310		90 27 10				15.0		-33.0		1151.3	0	1023	1150.9	
12		✓	✓	269 33 40				15.0					0			
13	E	1760		88 02 00				10.0		-50.7		1100.6				
14		✓		271 59 10				10.0								
15		880		88 04 00				5.0		+14.7		1145.5		1024	1126.3	
16		0	✓					5.0		-5.0		1095.6	π	1025		
17	W	880		92 08 00				15.10		-47.8		1082.8		1026		
18		1760	✓				B	12.5	-8.8	-21.3		1079.3		1027		
19		2640	✓				T	11.7	+13.2	+1.9		1102.5	0	1028	1102.0	
20		✓	✓				T	10.9	+13.2				0			

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STADIA SURVEY NOTES

AREA N.P.R. 4 STATE or PROVINCE ALASKA PAGE No. 60
 LINE No.(s) 138-77 PARTY No. 1173 DATE 18 Day APR Mo. 77 Yr. BOOK No.
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: CLEAR P.T.S. No.

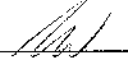
LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												1102.5			
2	E	2640		90 53 50				15.0		+56.1	1158.6		Δ	1028	
3		✓		269 06 50				15.0					Δ		
4		1760		91 24 15				15.0		-58.1		1100.5		1029	
5		880		91 24 00				15.0		-36.5		1122.1		1030	
6		0	✓					5.0		-5.0		1153.6	Δ	1031	
7	W	880	✓					6.4		-6.4		1152.2		1032	
8		1760	✓					14.2		-14.2		1144.4		1033	
9		2640	✓				T	12.8	+13.2	+0.6		1159.2	○	1034	1158.4
10		✓	✓				T	12.4	+13.2				○		
11	E	2640		91 13 50				15.0		+71.7	1230.9		Δ		
12		✓		268 46 10				15.0					Δ		
13		1760		91 07 20				15.0		-49.5		1181.4		1035	
14		880		90 55 10				15.0		-29.1		1201.8		1036	
15		0	✓					5.0		-5.0		1225.9	Δ	1037	
16	W	880		88 36 00				3.0		+18.5		1249.4		1038	
17		1760		88 29 20				2.0		+44.4		1275.3		1039	
18		2640		88 28 00				4.0		+66.6		1297.5		1040	
19		2932		88 29 40				10.0		+67.3		1298.2	○	138-24	
20		✓		87 31 00				10.0					○	1040	1292 1197.2

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1297.2 BARR SURVEY
 +1.0 MISTIE

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 61
 LINE No.(s) 138-77 PARTY No. 1123 DATE 18 Day APR Mo. 77 Yr. BOOK No.
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												1297.2		TBM	138-24	
2	E	1798		86 36 40				110		-95.4	1201.8			Δ	S.P. 1040 + 292	
3		✓		273 23 40				110						Δ		
4		1210		86 38 00				3.0		+68.1		1269.9			1041	
5		330		80 51 20				3.0		+3.6		1205.0			1042	
6		0	✓					5.0		-5.0		1196.8		π	1042 + 330	
7	W	550		94 64 40 (94 14 40)				15.0		-55.7		1146.1			1043	
8		1430		93 01 40				15.0		-90.6		1111.2			1044	
9		1980		91 26 20				15.0		-64.7		1137.1			1044 + 550	
10		2310		91 16 40				15.0		-66.3		1135.5		⊙	1045	1135.6
11		✓		268 44 00				15.0						⊙		
12	E	2310		88 27 40				2.0		-60.2	1075.3			Δ		
13		✓		271 32 50				2.0						Δ		
14		1430		89 39 00				2.0		+6.7		1082.0			1046	
15		1100		90 31 50				15.0		-25.2		1050.1			1046 + 330	
16		550	✓					15.0		-15.0		1060.3			1047	
17		0	✓					5.0		-5.0		1070.3		π	1047 + 550	
18	W	330	✓					11.3		-11.3		1064.0			1048	
19		1210		90 50 10				15.0		-32.7		1042.6			1049	
20																

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 62
 LINE No.(s) 138-77 PARTY No. 1173 DATE 18 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. Shelton RODMAN R. SMITH 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												1075.3			
2	W	2090		90 33 35				150		-35.0		1040.3	⊙	1050	1040.5
3		✓		269 27 10				150					⊙		
4	E	2750	✓			B	5.6	+3.8		+19.0		1059.3	Δ		
5		✓				B	4.8	+3.8					Δ		
6		1870		91 29 20				150		-63.6		995.7		1051	
7		1540		92 52 00				150		-92.0		967.3		1051 + 330	
8		990		92 11 30				150		-52.9		1006.3		1052	
9		110	✓					13.2		-13.2		1046.1		1053	
10		0	✓					5.0		-5.0		1054.3	π	1053 + 110	
11	W	440	✓					9.4		-9.4		1049.9		1053 + 580	
12		770		90 19 10				150		-19.3		1040.0	⊙	1054	
13		✓		269 41 10				150					⊙	1054 + 1040.2	
14	E	1870	✓					7.6		+7.4		1047.4	⊙		
15	E	✓						7.2					⊙		
16		1320		91 17 30				150		-44.8		1002.6	⊙	1054 + 550	
17		990		94 56 10				150		-100.3		947.1		1055	
18		110		95 59 10				150		-26.5		1020.9		1056	
19		0	✓					5.0		-5.0		1042.4	π	1056 + 110	
20	W	660	✓			B	14.6	-3.3		-17.9		1029.5		1056 + 770	

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STADIA SURVEY NOTES

AREA N.A.R. - 4 STATE or PROVINCE ALASKA PAGE No. 63
 LINE No.(s) 138-27 PARTY No. 1173 DATE 19 Day APR Mo. 27 Yr. BOOK No. _____
 SURVEYOR T. SWENLIL RODMAN R. SMITH 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										1077.4				
2	W	770	✓					1.8	-1.8	1045.6		1057		
3		1650		87 36 30				150	+54.0	1101.4	○	1058	1101.7	
4	W	1650		272 24 10				150				○		
5	E	3190		89 57 00				30	-0.0	1101.4		Δ		
6		✓		270 03 30				30				Δ		
7		2310	✓					2.4	-2.4	1099.0		1059		
8		1430	✓			B	114	-22	-186	1082.8		1060		
9		550	✓					14.0	-14.0	1087.4		1061		
10		0	✓					5.0	-5.0	1096.4	×	1061	1550	
11	W	330	✓					10.0	-10.0	1091.4		1062		
12		1210	✓			B	142	-6.1	-20.3	1081.1		1063		
13		2090	✓					12.0	-12.0	1089.4		1064		
14		2970		89 57 10				3.0	-0.6	1100.8		1065		
15		3023		89 56 10				5.0	-1.4	1100.0	○	138-25		
16		✓		270 64 20				5.0				○		
17										1100.4			BARR SURVEY	
18													1100.4	
19										-0.4			MISTIE	
20														

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STADIA SURVEY NOTES

AREA _____ STATE or PROVINCE ALASKA PAGE No. 64
 LINE No. 7 PARTY No. 1173 DATE 19 Day APR Mo. 77 Yr. BOOK No. _____
 SURV. McKILL RODMAN R. SMITH WEATHER: CLEAR - WARM P.T.S. No. _____

Sta.	Sight 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.		
											1100.4	TBM 138-25	
	3406		B9 17 10				4.07	-38.8	1061.6			Δ = 1065 + 53	
	✓		270 43 35				4.07					Δ	
4	2679		B9 28 00				2.0	+22.9		1084.5	1066		
5	1799	✓		T	3.5	+9.0		+5.5		1067.1	1067		
6	819	✓					3.0	-3.0		1058.6	1068		
7	0	✓					5.0	-5.0		1056.6	1068 + 819 = INT 049/138		
8													= S.P. 485 + 116 - L - 049
9													
10	N 116	✓					7.0	-7.0		1054.6	S.P. 485 - LINE 049		
11													
12	W 61	✓					7.0	-7.0		1054.6	1069		
13	941		90 46 30				15.0	-2.80		1039.6	1070		
14	1821	✓		B	13.2	-9.1		-22.3		1039.3	1071		
15	2801	✓		T	12.4	+14.0		+1.9		1063.5	0	1072	1062.7
16	✓	✓		T	11.8	+12.0					0		
17	E 2640		90 50 50				15.0	+53.7	1117.2		Δ		
18	✓		269 10 10				15.0				Δ		
19	1760		91 02 30				15.0	-47.0		1070.2	1073		
20	880		190 37 30				15.0	-24.6		1092.6	1074		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ARIZONA PAGE No. 65
 LINE No.(s) 138-77 PARTY No. 1173 DATE 19 Day APR Mo. 27 Yr. BOOK No. _____
 SURVEYOR T. S. McKim RODMAN R. SMITH WEATHER: BELOWING HAZY 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											1117.2				
2		0	✓					5.0		-5.0	1112.2	π	1075		
3	W	880		89 06 40				2.0		+11.7	1128.9		1076		
4		1760		89 06 30				5.0		+22.4	1139.6		1077		
5		2310		89 06 40				10.0		+26.1	1143.3	0	1077 + 550		
6		✓		770 54 05				10.0				0		1141.9	
7	E	2090	✓				T	7.9	-10.5		-2.7	1140.6	Δ		
8		✓					T	7.9	-10.5			Δ			
9		1760	✓				T	10.4	+8.8		-1.6	1139.0		1078	
10		880	✓					10.0		-10.0	1130.6		1079		
11		0	✓					5.0		-5.0	1135.6	π	1080		
12	W	880	✓					11.1		-11.1	1129.5		1081		
13		1760		89 36 30				3.0		+9.0	1149.6		1082		
14		2640		89 16 20				2.0		+31.7	1172.3	0	1083	1170.4	
15		✓		270 44 00				2.0				0			
16	E	1210		90 32 00				15.0		+26.2	1199.5	Δ		880's	
17		✓		269 28 30				15.0				Δ		↑	
18		330	✓					9.4		-9.4	1189.1		1084		
19		0	✓					5.0		-5.0	1194.5	π	1084 + 350	↓	
20	W	1430		91 19 30				18.0		+50.7	1146.8		1085	1760's	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 66
 LINE No.(s) 138-77 PARTY No. 1173 DATE 20 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: OVERCAST 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												1199.5			
2	W	3490		90 50 30				15.0		-60.9		1136.4	1086		1760'S
3		3527		90 44 50				15.0		-60.7		1137.8	0	188-26	
4		✓		269 15 40				15.0					0	S.P. 1086+337	
5												1135.3			BALL SURVEY 1135.3
6															
7												+2.5		MISTIE	
8															
9												1135.3			TBM 138-26
10	E	2633		88 39 30				50.7		-57.3		1078.0	Δ	S.P. 1086+337	
11		✓		271 21 10				5.0					Δ		
12		1210		89 34 30				1.0		+8.0		1086.0		1087	
13		880	✓					4.8		-4.8		1082.8		1087 + 330	
14		0	✓					5.0		-5.0		1079.0	π	1087 + 1210	
15	W	550		91 02 50				15.0		-25.1		1052.9		1088	
16		660		91 18 20				15.0		-30.0		1048.0	0	1088 + 110	1048.4
17		✓		268 42 30				15.0					0		1048.6
18	E	1980		87 30 00				2.0		-84.5		963.5		Δ	
19		✓		272 30 30				2.0						Δ	
20		1320		87 56 40				21.0	R.	+26.4		989.9		1088 + 770	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 67
 LINE No.(s) 138-77 PARTY No. 1173 DATE 20 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHEPHERD RODMAN R. SMITH WEATHER: OVERCAST 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											963.5				
2	E	330		87 59 30				2.0		+9.6	973.1		1089		
3		0	✓					5.0		-5.0	958.5	π	1089	+330	
4	W	1100		96 39 50				15.0		-142.9	820.6		1089	+1430	
5		1430		96 04 30				15.0		-166.6	796.9		1090		
6		2200		92 28 30				15.0		-110.0	853.5		1090	+770	
7		3080		91 23 40				15.0		-90.0	873.5		1090	+1650	
8		3190		91 27 00				15.0		-95.4	868.1	⊙	1091	868.6	
9		✓		268 33 45				15.0				⊙		868.1	
10	E	2750		93 28 10				15.0		+181.3	1049.4		Δ		
11		✓		266 32 25				15.0					Δ		
12		2420		94 22 30				21.0	h.a.	-205.7	843.7		1021	+330	
13		990		94 20 10				16.0	h.a.	-90.9	958.5		1092		
14		0	✓					5.0		-5.0	1044.4	π	1092	+990	
15	W	770		88 40 50				2.0		+14.4	1063.8		1093		
16		1100		88 43 50				8.0		+14.9	1064.3	⊙	1093	+330	
17		✓		271 11 40				8.0				⊙		1062.7	1064.0
18	E	1760		88 50 00				2.0		-31.0	1033.3		Δ		
19		✓		271 04 50				2.0					Δ		
20		1100	✓					3.1		-3.1	1030.2		1093	+990	

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STADIA SURVEY NOTES

AREA N.P.L. - 4 STATE or PROVINCE ALASKA PAGE No. 68
 LINE No.(s) 138-77 PARTY No. 1173 DATE 20 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SWENSON RODMAN R. SMITH WEATHER: OVERCAST - 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											1033.3				
2	E	330	✓					13.2		-13.2		1020.1		1094	
3		0	✓					5.0		-5.0		1028.3	✓	1094+330	
4	W	660		90 22 00				15.0		-19.2		1014.1		1094+990	
5		1430		89 27 10				3.0		+10.7		1044.0		1095	
6		2200		89 29 30				15.0		+4.5		1037.8		1095+770	
7		2860		89 23 20				2.0		+28.5		1061.8		1095+1210	
8		3190		89 08 50				2.0		+45.5		1079.8		1096	
9		3520		88 52 50				1.0		+68.0		1101.3	⊙	1096+330	
10		✓		271 07 40				1.0					⊙	1101.6 1100.6	
11	E	1100		90 15 00				15.0		+19.7	1121.0		Δ		
12		✓		269 45 20				15.0					Δ		
13		0	✓					5.0		-5.0		1116.0	✓	1096+1430	
14	W	330	✓					7.2		-7.2		1113.8		1097	
15		2090	✓				B	11.8	-10.5			1098.9	⊙	1098 1099.2	
16		✓	✓				B	11.4	-10.5				⊙	1098.0	
17	E	1760	✓					5.2		+5.0	1103.9		Δ		
18		✓	✓					6.8					Δ		
19		990	✓				B	13.6	-5.0			1085.3		1098+770	
20		0	✓					5.0		-5.0		1098.9	✓	1099	

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STADIA SURVEY NOTES

AREA N.P.L. 4 STATE or PROVINCE ALASKA PAGE No. 69
 LINE No.(s) 138-77 PARTY No. 1173 DATE 2-1 Day MON Mo. 77 Yr. BOOK No.
 SURVEYOR T. SHANKILL RODMAN R. SMITH WEATHER: SNOW FLURRIES 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												1103.9			
2	W	1760		89 28 40				1.0		+15.0		1118.9		1100	
3		2537		89 23 40				5.0		+22.1		1126.0			Δ 138-27 1126.3
4		✓		270 37 10				5.0							Δ 2537 1100 + 777
5												1124.9			BACK SURVEY 1124.9
6															
7															+HT MISTIG
8															
9												1124.9			TBM 138-27
10	E	2743	✓				T 34	-13.7		-10.3		1114.6			Δ 2537 1100 + 777
11		✓	✓				T 3.2	-13.7							Δ
12		1760	✓				T 7.8	+8.8		+1.0		1115.6		1101	
13		0	✓						5.0	-5.0		1109.6		1102	
14	W	1760	✓				T 6.6	+8.8		+2.2		1116.8		1103	
15		3520		89 38 20				2.0		+20.4		1135.0		1104	1134.6
16		✓		270 22 00				2.0							
17	E	2310		90 21 10				15.0		+29.1		1164.1			
18		✓		269 39 20				15.0							
19		550	✓					11.2		-11.2		1152.9		1105	
20		0	✓					5.0		-5.0		1150.1		1105	1105 + 550

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 70
 LINE No.(s) 138-77 PARTY No. 1123 DATE 21 Day AM Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SMERKALU RODMAN R. SMITH WEATHER: PRTLY 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												1164.1			
2	W	1210		90 31 30				150		-26.1		1138.0		1106	
3		2970		90 59 20				150		-66.1		1098.0	⊙	1107	1097.2
4		✓		269 01 00				150					⊙		
5	E	1760	✓			T	2.7	-8.8		-6.3	1091.7		Δ		
6		✓	✓			T	2.3						Δ		
7		1210	✓			B	9.6	-6.1		-15.7		1076.0		1107+500	
8		0	✓						50	-5.0		1086.8	π	1108	
9	W	1760	✓			T	8.2	+8.8		+0.6		1092.3		1109	
10		2970		89 51 00				100		-2.0		1089.7	⊙	1109+1210	
11		✓		270 09 30				100					⊙		1088.6
12	E	2319	✓					110		+10.8	1100.5		Δ		
13		✓	✓					106.5					Δ		
14		1760	✓			B	7.2	-8.8		-16.0		1084.5		1110	
15		0	✓					50		-5.0		1095.5	π	1111	
16	W	1760		89 32 20				2.0		+12.2		1112.7		1112	
17		3520		89 27 40				9.0		+30.4		1130.9	⊙	1113	1129.4
18		✓		270 33 00				3.0					⊙		
19	E	3034		90 29 00				15.0		+40.6	1171.5		Δ		
20		✓		269 31 00				15.0					Δ		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 71
 LINE No.(s) 138-77 PARTY No. 1123 DATE 21 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERMILL RODMAN R. SMITH WEATHER: TRILY 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	Correction	Center Hair			INST.	ROD		
1												1171.5			
2	E	1274	✓			B	11.4	-6.4			-17.8	1153.7		1114	
3		0	✓						5.0		-5.0	1166.5	+	1114+1274	
4		0	✓						5.0		-5.0	1166.5	0	138-28	
5		0	✓						5.0					0 = S. 1114+1274	
6												1164.8		BORN SURVEY 1164.8	
7															
8												+1.7		ALSTIE	
9															
10												1164.8		TBM 138-28	
11		0	✓						5.0		+5.0	1162.8		Δ = S.P. 1114+1274	
12		0	✓						5.0					Δ	
13		0	✓						5.0		-5.0	1164.8	+	1114+1274	
14	W	486	✓						13.1		-13.1	1156.7		1115	
15		2246		91 00 00					15.0		-54.2	1115.6		1116	
16		4006		90 45 00					15.0		-67.2	1102.6	0	1117	
17				262 18 20					15.0					0	
18	E	2502	✓						17.17		+12.0	1114.6		Δ	
19			✓						11.85					Δ	
20		742	✓						12.6		-12.6	1102.0		1118	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 72
 LINE No.(s) 138-77 PARTY No. 1173 DATE 21 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SWERLOW RODMAN R. SMITH WEATHER: PART CLOUD - INCREASING WIND 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												1114.6			
2		0	✓					5.0		-5.0		1109.6	T	1118+742	
3		0	✓					5.0		-5.0		1109.6	⊙	138-29	
4		0	✓					5.0						⊙	E.S.P. 1118+742
5												1102.8			BACK SIGHT
6															
7												-0.2			MISTIE
8															
9												1102.8			T.B.M. 138-29
10		0	✓					5.0		+5.0	1114.8				Δ = S.P. 1118+742
11		0	✓					5.0							Δ
12		0	✓					5.0		-5.0		1109.8	T	1118+742	
13	W	1018	✓					10.0		-10.0		1104.8		1119	
14		2778		90	19	40		15.0		-30.6		1084.2	⊙	1120	1084.0
15		✓		262	41	00		15.0							⊙
16	E	3520	✓				T	5.0	-17.4	5.0		1071.8			Δ
17		✓	✓				T	4.4	-17.6	4.4		-12.9			Δ
18		1760	✓					7.6		-7.6		1063.7		1121	
19		0	✓					5.0		-5.0		1066.3	T	1122	
20	W	1760		89	38	30		3.0		+8.0		1079.3		1123	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 73
 LINE No.(s) 138-77 PARTY No. 1173 DATE 21 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHREVE RODMAN R. SMITH 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												1071.3			
2	W	3570		89 37 50				8.0		+15.0		1086.3	⊙	1124	1085.5
3		✓		270 22 40				8.0					⊙		
4	E	1760	✓			B	9.4	+88.7		+18.2		1104.5			
5		✓	✓			B	9.4	+88.7							
6		0	✓					5.0		-5.0		1099.5	π	1125	
7	W	1760	✓					14.8		-14.8		1089.7		1126	
8		3520	✓					14.2		-14.0		1090.5	⊙	1127	1089.3
9		✓	✓					13.8					⊙		
10	E	1430	✓					2.8		+2.7		1097.2			
11			✓					26.5							
12		1100		90 35 10				1.0		-12.3		1080.9		1127+330	
13		440		98 42 20				1.0		-67.8		1025.4		1127+990	
14		0	✓					5.0		-5.0		1088.2	π	1127+1430	
15	W	330		88 54 50				2.0		+4.3		1097.5		1128	
16		1920		88 58 20				13.0		+10.8		1104.0	⊙	1128+990	
17		✓		271 02 10				13.0					⊙		1102.6
18	E	3784		90 20 50				15.0		+37.7		1141.7			
19		✓		269 39 30				15.0							
20		3014		90 19 10				15.0		-31.8		1109.9	-	1129	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 74
 LINE No.(s) 138-77 PARTY No. 1173 DATE 22 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERBILL RODMAN R. SMITH 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												1141.7			
2	E	1254	✓			B	112	-6.3			-17.5	1124.2		1130	
3		0	✓						5.0		-5.0	1136.7	π	1130 + 1254	
4		0	✓						5.0		-5.0	1136.7	0	138-30	
5		0	✓						5.0				0	ESR 1130 + 1254	
6												1135.0		BARK SURVEY 1135.0	
7															
8												+1.7		MISTIE	
9															
10												1135.0		TBM 138-30	
11		0	✓						5.0		+5.0	1140.0		Δ = S.R. 1130 + 1254	
12		0	✓						5.0					Δ	
13		0	✓						5.0		-5.0	1135.0	π	1130 + 1254	
14	W	506	✓						11.0		-11.0	1129.0		1131	
15		2266		90	50	30			15.0		-48.3	1091.7		1132	
16		3696		90	49	00			15.0		-67.4	1072.6	0	1132 + 1430	
17		✓		269	11	30			15.0				0	1072.9	
18	E	1100		87	57	40			11.0		-28.3	1044.3		Δ	
19		✓		272	03	05			11.0					Δ	
20		770		87	58	20			7.0		+20.2	1064.5		1133	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 75
 LINE No.(s) 138-77 PARTY No. 1173 DATE 22 Day APR Mo. 27 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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		AB S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1044.3				
2	E	0	✓					5.0		-5.0		1039.3	+	1133 + 770		
3	W	440		93 43 40			15.0			-43.6		1000.7	0	1733 + 1210		
4		✓		266 17 00			15.0						0	1001.1		
5	E	4400	✓				T 6.4	-22.0			-16.0	984.7				
6		4400	✓				T 5.7	-22.0								
7		4980		90 24 10			15.0			-44.4		940.3		1133 + 1430		
8		3830		90 54 20			15.0			-75.8		908.9		1134		
9		2860		93 18 10			15.0			-179.0		804.9		1134 + 990		
10		2090		93 51 00			15.0			-158.4		826.3		1135		
11		1100		96 38 50			1.0			-128.5		856.2		1135 + 990		
12		330		99 26 05			15.0			-69.3		915.4		1136		
13		0	✓				5.0			-5.0		979.7	+	1136 + 990		
14	W	880		86 15 10			10.0			+47.6		1032.3	0	1136 + 1210		
15		✓		273 45 35			10.0						0	1033.1		
16	E	550	✓				10.9			+10.8		1043.1				
17		✓	✓				10.7									
18		0	✓				5.0			-5.0		1038.1	+	1137		
19	W	1760	✓				14.2			-14.0		1029.1	0	1138	1030.1	
20		✓	✓				13.8						0			

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 76
 LINE No.(s) 13B-77 PARTY No. 1173 DATE 23 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: OVERCAST BLOWING SNOW P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1029.1				
2	E	1210		91 30 20				150		+46.7	1075.8		Δ	1138		
3		✓		268 30 20				150					Δ			
4	0	✓						50		-5.0		1070.8	π	1138	+	
5	W	550		89 15 30				5.0		+2.1		1077.9		1179		
6		2310		89 25 45				80		+15.3		1091.1	0	1140		1092.4
7		✓		270 35 10				80					0			
8	E	3520		89 17 10				100		-34.3	1056.8		Δ			
9		✓		270 43 40				100					Δ			
10		1760		89 36 00				20		0.0		1056.8		1141		1092.4
11		0	✓					50		-5.0		1051.8	π	1142		
12	W	1030		90 55 40				150		-38.2		1052.9		1142		+1430
13		1760		90 45 00				3.0		-26.0		1030.8		1143		
14		3520	✓					3.27		-2.8		1054.0	0	1144		1055.9
15		✓	✓					2.40					0			
16	E	3520		90 23 20				150		+38.6	1092.6		Δ			
17		✓		262 37 20				150					Δ			
18		1760	✓				B	11.4	-8.8			1072.4		1145		
19		0	✓					50		-5.0		1087.6	π	1146		
20	W	1760		89 26 10				90		+8.3		1100.9		1147		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 77
 LINE No.(s) 138-77 PARTY No. 1173 DATE 23 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: OVERCAST - BLOWING SNOW 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												1092.6				
2	W	2115		89 24 40				12.0		+9.9		1102.5	0	138-31		
3		✓		270 36 00				12.0					0	ESP. 1147 + 355		
4												1104.8		BAR SURVEY 1104.8		
5																
6												-2.3		MISTIE		
7																
8												1104.8		TBM 138-31		
9	E	2175	✓					5.6		+5.2	1110.0		Δ	ESP. 1147 + 355		
10		✓	✓					4.8					Δ			
11		770	✓					7.6		-7.6		1102.4		1148		
12		0	✓					5.0		-5.0		1105.0		1148+		
13	W	990		90 24 20				15.0		-22.0		1088.0		1149		
14		2790	✓					11.0		-10.8		1099.2	0	1150		1099.0
15		✓	✓					10.6					0			
16	E	3520		90 11 20				15.0		+26.4	1125.6		Δ			
17		✓		269 49 00				15.0					Δ			
18		1760		90 07 20				15.0		-18.8		1106.8		1151		
19		0	✓					5.0		-5.0		1120.6		1152		
20	W	1760		90 55 10				15.0		-43.2		1082.4		1153		

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STADIA SURVEY NOTES

AREA N.P.R. 4 STATE or PROVINCE ALASKA PAGE No. 7B
 LINE No.(s) 13577 PARTY No. 1123 DATE 23 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR J. SHEDDILL RODMAN R. SMITH WEATHER: OVERCAST 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												1125.6			
2	W	3520		90 31 20				15.0		-46.8		1078.8	D	1154	1078.4
3		✓		269 29 10				15.0					D		
4	E	3520	✓					8.2		+8.0		1086.8	A		
5		✓						7.6					A		
6		1760		90 20 00				15.0		-25.2		1061.6		1155	
7		0	✓					5.0		-5.0		1081.8	T	1156	
8	W	1760		89 21 00				4.0		+16.0		1102.8		1157	
9		2539		89 19 40				10.0		+19.8		1106.6	D	1157	+770
10		✓		270 40 40				10.0					D		1106.0
11	E	2750	✓				T	9.0	-13.8		-5.2	1101.4	D		
12		✓					T	8.2	-13.8				A		
13		1760	✓				T	9.4	+8.8		-0.6	1100.8		1158	
14		0	✓					5.0		-5.0		1096.4	T	1159	
15	W	1760	✓					7.6		-7.6		1093.8		1160	
16		3520	✓					7.47		-6.9		1094.5	D	1161	10937
17		✓						6.42					D		
18	E	3658		90 38 10				15.0		+55.0		1149.9	A		
19		✓		269 22 10				15.0					A		
20		1898		90 39 30				15.0		-36.8		1113.1		1162	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 29
 LINE No.(s) 138-77 PARTY No. 1173 DATE 7.3 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERBILL RODMAN R. SMITH 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD		
1												1149.9			
2	E	138	✓					8.4		-8.4		1141.5		1163	
3		0	✓					5.0		-5.0		1144.9		π 1163 + 138	
4		0	✓					5.0		-5.0		1144.9		0 138.32 = Δ LET	
5		0	✓					5.0						0 = S.I.P. 1163 + 138	
6												1144.0		BARR. STANLEY 1144.0	
7															
8												+0.9		MISTLE	
9															
10												1144.0		TBM 138.32 = Δ LET	
11		0	✓					5.0		+5.0		1149.0		Δ = S.P. 1163 + 138	
12		0	✓					5.0						Δ	
13		0	✓					5.0		-5.0		1144.0		π 1163 + 138	
14	W	1292		90 21 50				15.0		-23.1		1125.9		0 1163 + 138	
15		✓		269 38 50				15.0						0	1126.0
16	E	2090		89 40 10				2.0		-192.7		933.2		Δ	
17		✓		275 20 50				2.0						Δ	
18		1760		85 07 10				3.0		+148.3		768.1		1164	
19		0	✓					5.0		-5.0		928.2		π 1165	
20	W	1760		93 54 20				15.0		-134.9		798.3		1166	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 80
 LINE No.(s) 138-77 PARTY No. 1173 DATE 23 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH WEATHER: CLOUDY - WINDY P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	SEAMAN 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												933.2				
2	W	3190		92 38 10				150		-161.4		771.8	0	1166 + 1430		
3		✓		267 32 40				150					0	772.1		
4	E	2090		87 26 40				2.0		-91.5	680.3		Δ			
5		✓		272 34 20				2.0					Δ			
6		1760		88 22 30				2.0		+47.9		728.2		1167		
7		770		91 42 00				15.0		-38.1		642.2		1167 + 990		
8		0	✓					5.0		-5.0		675.3	π	1168		
9	W	5550		91 13 00				150		-26.6		653.7	0	1168 + 550		
10		✓		268 47 50				15.0					0	654.1		
11	E	2860		89 22 40				4.0		-27.4	626.3		Δ			
12		✓		270 38 10				4.0					Δ			
13		1760		91 10 30				15.0		-51.1		525.2		1168 + 1650		
14		1650		91 00 20				15.0		-46.0		582.3		1169		
15		0	✓					5.0		-5.0		621.3	π	1169 + 1650		
16	W	110	✓					5.4		-5.4		620.9		1170		
17		660	✓					5.6		-5.6		620.7	0	1170 + 550		
18		✓	✓					5.6					0	621.2		
19	E	3080		87 46 05				2.0		-118.2	502.5		Δ			
20		✓		272 14 30				2.0					Δ			

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ARIZONA PAGE No. 21
 LINE No.(s) 138-77 PARTY No. 1173 DATE 24 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. S. HERRILL RODMAN R. SMITH 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												502.5			
2	E	1870		88 43 50				3.0		+38.4		540.9		1171	
3		660		92 53 10				15.0		-48.2		454.3		1171 + 1210	
4		110	✓					10.6		-10.6		491.9		1172	
5		0	✓					5.0		-5.0		497.5	π	1172 + 110	
6	W	440		92 47 10				15.0		-36.4		466.1		1172 + 550	
7		1650		87 37 30				2.0		+66.4		568.9		1173	
8		3410		87 04 00				8.0		+16.1		669.6	○	1174	670.4
9		✓		272 57 00				8.0					○		
10	E	550		90 22 30				15.0		+18.6	688.2		Δ		
11		✓		269 38 00				15.0					Δ		
12		0	✓					5.0		-5.0		683.2	π	1174 + 550	
13	W	1210		90 24 40				15.0		-23.7		664.5		1175	
14		2420		90 50 10				15.0		-50.0		638.2	○	1175 + 1210	
15		✓		269 10 40				15.0					○		639.1
16	E	3644		90 45 20				15.0		+62.6	700.8		Δ		
17		✓		269 15 30				15.0					Δ		
18		3094		91 17 00				15.0		-84.3		616.5		1176	
19		1884		92 55 10				21.0	π	-117.0		583.8		1176 + 1210	
20		1334		92 52 20				21.0	π	-87.9		612.9		1177	

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STADIA SURVEY NOTES

AREA N.R. - 4 STATE or PROVINCE ALABAMA PAGE No. 82
 LINE No.(s) 138-77 PARTY No. 1173 DATE 24 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												700.8			
2		0	✓					5.0		-5.0		695.8	π	138-33	
3		0	✓					5.0		-5.0		695.8	0	138-33	
4		0	✓					5.0					0	← S.P. 1177+1334	
5												696.2		BACK SUREVEY 696.9	
6															
7												+1.1		MISTAKE	
8															
9												696.9		TBM 138-33	
10		0	✓					5.0		+5.0		701.9		← S.P. 1177+1334	
11		0	✓					5.0						Δ	
12		0	✓					5.0		-5.0		696.9	π	1177+1334	
13	W	426		88 41 30				2.0		+7.7		709.6		1178	
14		218.6		87 53 30				5.0		+75.4		777.3	0	1179	
15		251.6		87 52 00				11.0		+82.9		784.8	0	1179 +330	
16				272 08 35				11.0					0		785.1
17	E	319.0		91 31 40				15.0		+99.9		884.7		Δ	
18				268 28 45				15.0						Δ	
19		176.0		93 04 30				15.0		-109.4		775.3		1180	
20		0	✓					5.0		-5.0		879.7	π	1181	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALABAMA PAGE No. 83
 LINE No.(s) 138-77 PARTY No. 1173 DATE 24 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERILL RODMAN R. SMITH 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											884.7				
2	W	1760		86 13 40				10.0	+106.0		990.7	0	1182	991.5	
3		✓		273 41 00				10.0				0			
4	I	250		91 48 00				15.0	+37.2	1022.9		Δ			
5		✓		268 12 30				15.0				Δ			
6		0	✓					15.0	-5.0		1017.9	π	1182	+50	
7	W	660	✓			B	136	-3.3	-16.8		1006.1	0	1182	+120	
8		✓	✓			B	134	-3.3				0		1007.0	
9	E	2310		87 11 50				2.0	-111.3	894.8		Δ			
10		✓		272 49 00				2.0				Δ			
11		1760		87 30 30				2.0	+74.5		969.3		1183		
12		0	✓					5.0	-5.0		889.8	π	1184		
13	W	770	✓			B	14.4	-3.8	-18.2		876.6		1184	+70	
14		1240		90 54 20				15.0	-34.1		860.7		1184	+1210	
15		1760	✓					6.6	-6.6		888.2		1185		
16		2310		89 54 20				8.0	-4.0		890.8	0	1185	+550	
17		✓		270 06 20				8.0				0		892.2	
18	E	3080		90 55 40				15.0	+64.7	955.5		Δ			
19		✓		269 04 40				15.0				Δ			
20		1870		94 15 00				21.0	-159.7		795.8		1186		

TI-588B

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STADIA SURVEY NOTES

AREA N.P.R. - 9 STATE or PROVINCE ALABAMA PAGE No. 84
 LINE No.(s) 138-77 PARTY No. 1173 DATE 24 Day APR Mo. 77 Yr. BOOK No.
 SURVEYOR T. SHERMAN RODMAN R. SMITH 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												955.5			
2	E	1760		94 58 30				15.0		-166.2		789.3		1186 + 110	
3		110	✓					12.7		-12.7		942.8		1187	
4		0	✓					5.0		-5.0		950.5	κ	1187 + 110	
5	W	1100		87 23 45				11.0		+39.0		994.5	⊙	1187 + 1210	
6		✓		272 36 25				11.0					⊙	996.4	
7	E	880		87 56 20				8.0		-23.7	970.8		Δ		
8		✓		272 03 50				8.0					Δ		
9		330		88 28 00				2.0		+6.8		977.6		1188	
10		0	✓					5.0		-5.0		965.8	κ	1188 + 330	
11	W	1430		95 51 50				15.0		-151.3		819.5		1189 809.7	
12		2420		93 43 00				15.0		-172.0		798.2		1189 + 990	
13		3190		92 29 10				15.0		-153.3		817.5	⊙	1190 819.8	
14		✓		267 31 10				15.0					⊙		
15	E	5280		86 40 40				15.0		-79.2	526.8		Δ		
16		✓		273 19 25				15.0					Δ		
17		3520		87 27 50				2.0		+153.8		679.6		1191	
18		1760	✓					12.2		-12.2		513.6		1192	
19		770		96 05 10				15.0		-96.8		429.0		1192 + 990	
20		0	✓					5.0		-5.0		520.8	κ	1193	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 85
 LINE No. (s) 138-77 PARTY No. 1173 DATE 27 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHEPHERD RODMAN R. SMITH 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												526.3			
2	W	1760		84 20 30				15.0		+158.7		684.5		1194	
3		3520		84 25 10				5.0		+337.7		863.5		1195	
4		4510		84 17 20				2.0		+447.4		973.7	0	1195	990
5		✓		275 42 40				2.0					0		973.3 976.6
6	E	264		90 41 00				15.0		+18.1		991.8		A	
7		✓		262 19 00				15.0						A	
8		0	✓					5.0		-5.0		986.8	π	INT =	S.P. 1195 + 1254 - 158 S.P. 399 + 61 - 069
9	N	340		87 44 20				1.0		+12.4		1064.2	0	TRM	138-34
10		✓		272 15 40				1.0						0	1003.8
11												1007.2		BALL SURVEY	1007.2
12															
13												-3.0		MISTIE	
14															
15												1007.2		TRM	138-34
16	N	340		87 44 20				10		-12.4		994.8		A	138-34
17		✓		272 15 40				10						B	
18		0	✓					5.0		-5.0		989.8	π	INT =	S.P. 1195 + 1254 S.P. 399 + 61
19	W	396		92 15 10				15.0		-30.6		964.2	0		1195 + 1650
20		✓		267 44 50				15.0						0	964.1

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 86
 LINE No.(s) 138-77 PARTY No. 1173 DATE 27 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERWIN RODMAN R. SMITH WEATHER: CLD 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												964.2				
2	E	3630		86 39 10				2.0		-210.2	754.0		Δ	1195+1650		
3		✓		273 21 10				2.0					Δ			
4		3520		86 47 10				2.0		+195.4		949.4		1196		
5		1760		87 23 30				8.0		+72.1		826.1		1197		
6		0	✓					5.0		-5.0		749.0	π	1198		
7	W	1430		92 43 35				15.0		-82.9		671.1	0	1198+1430		
8		✓		267 17 00				15.0					0			870.6
9	E	1980		87 39 20				2.0		-79.2	591.9		Δ			
10		✓		272 21 20				2.0					Δ			
11		1650		88 28 40				2.0		+41.8		633.7		1199		
12		880		90 36 30				15.0		-24.3		567.6		1199+770		
13	W	10	✓					5.0		-5.0		586.9	π	1199+1650		
14	W	110	✓					9.1		-9.1		582.8		1200		
15		880		91 45 10				15.0		-41.8		550.1	0	1200+770		
16		✓		268 15 30				15.0					0			549.4
17	E	2750		93 00 00				15.0		+158.7	708.8		Δ			
18		✓		267 00 40				15.0					Δ			
19		2090		94 26 00				21.0		-182.7		526.1		1200+1430		
20		1760		94 31 40				15.0		-154.0		554.8		1201		

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CHECKED BY 1st

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 87
 LINE No.(s) 138-77 PARTY No. 1173 DATE 27 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												708.8			
2		0	✓					5.0		-5.0		703.8	π	1202	
3	W	990		86 33 4			9.0			+50.5		752.3	0	1202 + 9.90	7
4			✓	273 26 50			9.0						0		758.3
5	E	1320		91 36 10			15.0			+51.9	811.2		Δ		
6			✓	268 24 10			15.0						Δ		
7		550		91 24 10			15.0			-28.5		782.7		1203	
8		0	✓				5.0			-5.0		806.2	π	1203 + 550	
9	W	1210		90 44 10			21.0	H.P.		-36.5		774.7		1204	
10		2970		90 51 00			15.0			-59.1		752.1		1205	
11		4400		90 42 40			15.0			-69.3		741.9	0	1205 + 1430	
12			✓	269 17 50			15.0						0		740.5
13	E	3960		92 08 50			15.0			+163.1	905.0		Δ		
14			✓	267 51 40			15.0						Δ		
15		3630		92 27 10			15.0			-170.4		734.6		1206	
16		2420		94 06 40			15.0			-188.6		716.4		1206 + 1210	
17		1870		94 11 10			15.0			-151.6		753.4		1207	
18		110	✓				14.4			-14.4		890.6	π	1208 + 110	
19		0	✓				5.0			-5.0		900.0	π	1208 + 110	
20	W	578		87 38 00			8.0			+15.9		920.9	0	138 - 35	929.1 921.7

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WORKED BY

CHECKED BY 1st

919.1
 BARR SURVEY
 2nd + 1.8 MISTIE

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 88
 LINE No.(s) 138-77 PARTY No. 1173 DATE 27 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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											919.1			TBM - 138-35	
2	E	1072		89 41 00			3.0		-3.0	916.1				Δ EST. 1208+600	
3		✓		270 19 30			3.0							Δ	
4		0	✓				5.0		-5.0		911.1		π	1209	
5	W	1760		91 31 20			15.0		-61.8		854.3			1210	
6		2530		91 05 40			15.0		-63.0		853.1		0	1210 + 770	
7		✓		268 55 10			18.0						0	853.2	
8	E	2200		92 02 10			15.0		+93.0	946.1			Δ		
9		✓		267 58 30			15.0						Δ		
10		1320		95 42 30			15.0		-146.5		799.6			1210 + 1150	
11		1210		95 43 20			15.0		-135.8		810.3			1211	
12		0	✓				5.0		-5.0		941.1		π	1211 + 1210	
13	W	550		88 07 10			4.0		+14.1		960.2			1212	
14		2310		88 00 00			2.0		+78.6		1024.7			1213	
15	(2860)	2860		87 54 20			2.0		+102.6		1048.7		0	1213 + 550	
16		✓		272 05 50			2.0						0	1048.9	
17	E	2200		91 31 30			15.0		+73.4	1122.1			Δ		
18		✓		268 29 50			15.0						Δ		
19		990		91 56 00			15.0		-48.4		1073.7			1214	
20		0	✓				5.0		-5.0		1017.1		π	1214+	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 89
 LINE No.(s) 138-77 PARTY No. 1173 DATE 27 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												1122.1			
2	W	770	✓					77		-7.7		1114.4		1215	
3		2530	✓				B	6.2	-12.7	-18.9		1103.2		1216	
4		3740		89 44 30				150.7		+7.0		1124.1	⊙	1216 + 1216	
5				270 15 50				150.1					⊙		1124.4
6	E	2310		88 33 40				120.0		-46.1	1078.0		Δ		
7			✓	271 26 40				120.0					Δ		
8		1760		88 32 30				6.0		+38.8		1116.8		1217	
9		0	✓					5.0		-5.0		1073.0	π	1218	
10	W	990		91 50 00				15.0		-46.7		1031.3		1218 + 990	
11		1760	✓					8.2		-8.2		1069.8		1219	
12		3520		89 33 50				150.1		+12.0		1090.0	⊙	1220	1090.4
13			✓	270 24 40				150.1					⊙		
14	E	2530	✓				B	13.0	+12.7		+26.5	1116.5		Δ	
15			✓				B	13.7	+12.7					Δ	
16		1100		90 49 20				16.0		-30.8		1085.7		1220 + 11930	
17		770		90 31 40				15.0		-22.1		1094.4		1221	
18		0	✓					5.0		-5.0		1111.5	π	1221 + 770	
19	W	246	✓					9.1		-9.1		1107.4	1221	S.P. 1221 + 1116 - 125	
20														S.P. 646 + 31 - 122	

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Sherrill

STADIA SURVEY NOTES

AREA N. P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 90
 LINE No.(s) 138-77 PARTY No. 1173 DATE 28 Day APR Mo. 77 Yr. BOOK No.
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												1116.5			
2	W	346	✓						7.9	-7.9		1108.6		S.P. 646 - Line 122	
3		990	✓						13.5	-13.5		1103.0		1222 - Line 138	
4		1100	✓				B	12.0	-5.5			1099.0	○	1222 + 110	
5		✓	✓				B	12.0	-5.5				○	1099.5	
6	E	2420		86 52 00				1.0		-131.3		962.7	Δ		
7		✓		273 08 00				1.0					Δ		
8		770		89 17 30				1.0		+8.5		976.2		1223	
9		0	✓					5.0		-5.0		962.7	π	1223+	
10	W	990		91 27 00				15.0		-40.1		927.6		1224	
11		1980		90 45 15				15.0		-41.0		926.7	○	1224 + 990	
12		✓		269 15 00				15.0					○	927.3	
13	E	2530		84 52 15				6.0		-220.6		706.1	Δ		
14		✓		275 08 15				6.0					Δ		
15		1760		85 10 00				1.0		+147.4		853.5		1225	
16		0	✓					5.0		-5.0		701.1	π	1226	
17	W	1430		94 12 50				15.0		-120.1		586.0		1226 + 1430	
18		1760		92 16 00				15.0		-81.6		624.5		1227	
19		3520		87 41 00				1.0		+141.3		847.4		1228	
20		3704		87 44 50				2.0		+147.9		854.0	○	135-36 = S.P. 1228 + 184	

TI-588B

272 19 10

2.05

8547 BARR SURVEY 8547

WORKED BY

CHECKED BY 1st

-0.7. 1225.75

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALABAMA PAGE No. 91
 LINE No.(s) 138-77 PARTY No. 1173 DATE 28 Day APR Mo. 77 Yr. BOOK No.
 SURVEYOR F. S. HEDDIN RODMAN R. SMITH 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				91 38 30					150				854.7	TBM 138-36	
2	E	4326		268 21 45					150	+138.8	993.5			Δ = S.P. 1228 + 184	
3		✓		91 38 30					150					Δ	
4		2750		92 23 10					150	-128.9		867.6	1229	864.2	
5		1320		95 57 20					150	-152.1		841.4	1229	+1830	
6		990		96 06 00					150	-120.4		873.1	1230	873.6	
7		0	✓						50	-5.0		988.5	1230	+990	K
8	W	770		87 38 50					8.0	+23.6		1017.1	1231		
9		2420		86 07 00					150	+149.2		1142.7	1231	+1650	O
10		✓		273 53 30					150						1142.2
11	E	3080		89 31 50					3.0	-22.4	1120.3			Δ	
12		✓		270 28 30					3.0					Δ	
13		2970		89 31 20					2.0	+22.6		1142.9	1232		
14		1210	✓						3.4	-3.4		1116.9	1233		
15		0	✓						50	-50		1115.3	1233	+1210	K
16	W	550	✓				B	13.5	-2.8	-16.3		1104.0	1234		
17		2310		90 57 45					150	-53.8		1066.5	1235		
18		2860		90 45 00					150	-52.2		1068.1	1235	+550	O
19		✓		269 15 30					150						1067.2
20															

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WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 22
 LINE No.(s) 138-77 PARTY No. 1173 DATE 28 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERILL RODMAN R. SMITH 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													1068.1		
2	E	1540		90 28 35				15.0		+27.7	1095.8		Δ	1235 + 550	
3		✓		269 32 00				15.0					Δ		
4		440		95 50 50				21.0		-65.9	1029.9			1235 + 1650	
5		330		95 30 40				15.0		-47.3	1048.5			1236	
6		0	✓					5.0		-5.0	1090.8		π	1236 + 330	
7	W	440		89 27 35				5.0		-0.8	1095.0		0	1236 + 770	
8		✓		270 32 35				5.0					0	1093.9	
9	E	2420		91 20 30				15.0		+71.5	1166.5		Δ		
10		✓		268 40 00				15.0					Δ		
11		1980		92 14 30				15.0		-92.5	1074.0			1236 + 1210	
12		1430		91 51 40				15.0		-61.4	1105.1			1237	
13		0	✓					5.0		-5.0	1161.5		π	1237 + 1430	
14	W	330		89 27 10				1.0		+2.2	1168.7			1238	
15		1979		88 51 50				8.0		+30.4	1196.9		0	138-37	
16		✓		271 08 50				8.0					0	-S.P. 1238 + 1590	
17											1195.5			BAR. SURVEY. 1195.5	
18															
19											+1.4			MISTIE	
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 93
 LINE No.(s) 138-77 PARTY No. 1173 DATE 28 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERBILL RODMAN R. SMITH 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												1195.5	TBM	138-37	
2	E	1921		88 59 10					8.0	-29.2	1166.3		Δ	254 1238 + 1599	
3	✓	✓		271 07 15					8.0				Δ		
4	E	1760		88 55 00					6.0	+27.2		1193.6		1239	
5		0	✓						5.0	-5.0		1161.3	π	1240	
6	W	1760	✓			B	14.8	-8.8		-23.6		1142.7		1241	
7		3520	✓						13.2	-12.8		1153.5	0	1242	1153-1
8		✓	✓						12.5				0		
9	E	2310		89 26 30					2.0	-20.7	1132.8		Δ		
10	✓	✓		270 34 10					2.0				Δ		
11	(1100)	1700	✓						8.0	-8.0		1124.8		1242 + 1210	
12		550	✓						2.7	-2.7		1130.1		1243	
13		0	✓						5.0	-5.0		1127.8	π	1243 + 550	
14	W	1210		90 34 30					15.0	-27.1		1105.7		1244	
15		2420		90 59 40					15.0	-57.0		1075.8		1244 + 1210	
16		2970		90 35 50					15.0	-46.0		1086.8		1245	
17		4603		90 01 00					15.0	-16.0		1116.8	0	138-38	
18	✓	✓		269 59 30					15.0				0	= 1245 + 1633	
19												1116.0	BANK SURVEY	1116.0	
20													M.S.T.K.		

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WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 94
 LINE No.(s) 138-77 PARTY No. 1173 DATE 28 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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											1116.0		TBM 038-38	
2	E	3647		86 43 10				9.0	-200.2	915.8			Δ = S.P. 1245 + 1633	
3		✓		273 17 35				9.0					Δ	
4		3520		86 44 00				5.0	+195.7		1111.5		1246	
5		1762		87 34 50				3.0	+71.3		987.1		1247	
6		0	✓					5.0	-5.0		910.8		κ 1248	
7	W	1760		90 58 00				15.0	-44.6		871.2	0	1249 871-0	
8		✓		269 02 30				15.0					0	
9	E	1430		87 05 30				13.0	-59.7	811.5			0	
10		✓		272 55 10				13.0					0	
11		0	✓					5.0	-5.0		806.5		κ 1249 + 1430	
12	W	330		93 42 00				15.0	-36.9		774.6		1250	
13		1100		94 57 00				15.0	-110.0		701.5		1250 + 770	
14		2090		94 17 00				15.0	-167.6		643.9		1251	
15		2420		94 06 25				15.0	-188.1		623.4	0	1251 + 330	
16		✓		265 54 25				15.0					0 623-1	
17	E	1980		87 57 40				1.0	-69.6	553.8			Δ	
18		✓		272 02 50				1.0					Δ	
19		880		98 16 20				15.0	-141.9		411.9		1251 + 1430	
20		550		99 15 00				21.0	-109.7		444.1		1252	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 95
 LINE No.(s) 138-77 PARTY No. 1173 DATE 29 Day APR Mo. 27 Yr. BOOK No. _____
 SURVEYOR T. SHERNILL RODMAN R. S. HATH 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												553.8			
2		0	✓					5.0		-5.0		548.8	π	1252	+ 550
3	W	1210		85 39 30			1.0			+ 90.7		644.5		1253	
4		2420		85 07 00			12.0			+194.5		748.3	0	1253	+1210
5		✓		274 53 50			12.0						0		747.8
6	E	880		92 12 30			15.0			+48.9	797.2		Δ		
7		✓		267 47 30			15.0						Δ		
8		330		90 49 30			15.0			-19.8		777.4		1254	
9		0	✓				5.0			-5.0		792.2	π	1254	+ 330
10	W	1430		89 30 20			15.0			-2.7		794.5		1255	
11		2640		89 29 00			3.0			+ 20.8		818.0		1255	+1210
12		3190		88 35 00			2.0			+ 76.9		874.1		1256	
13		3960		88 15 05			3.0			+118.2		915.4	0	1256	+ 770
14		✓		271 45 30			3.0						0		914.8
15	E	1760		91 15 10			15.0			+53.3	968.7		Δ		
16		✓		263 45 25			15.0						Δ		
17		770		91 57 20			15.0			-41.3		927.4		1257	
18		0	✓				5.0			-5.0		963.7	π	1257	+770
19	W	990	✓				8.3			-8.3		960.4		1258	
20															

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 96
 LINE No.(s) 138-77 PARTY No. 1173 DATE 29 Day APR. Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												968.7			
2	W	1980	✓					13.8		-13.6		955.1	0	1258	+990
3			✓					13.4					0		954.3
4	E	1320		87	53	30		3.0		-46.7	908.4		Δ		
5			✓	272	07	20		2.0					Δ		
6		550		88	15	40		2.0		+14.7		923.1		1259	
7		0	✓					5.0		-5.0		903.4	π	1259	+550
8	W	1210		93	02	20		15.0		-79.5		828.9		1260	
9		2640		93	02	10		15.0		-154.9		753.5		1260	+1430
10		2970		92	44	20		15.0		-157.0		751.4		1261	
11		3740		92	09	00		15.0		-155.0		753.4	0	1261	+770
12			✓	267	51	40		15.0					0		752.5
13	E	1760		88	51	30		2.0		-33.3	720.1		Δ		
14			✓	271	09	20		2.0					Δ		
15		770		88	58	30		3.0		+10.8		730.9		1262	
16		0	✓					5.0		-8.0		715.1	π	1262	+770
17	W	990		93	00	50		15.0		-67.1		653.0		1263	
18		1760		91	52	20		15.0		-72.5		647.6	0	1263	+770
19		2750		91	36	45		15.0		-92.1		628.0	0	1264	626.9
20			✓	268	24	05		15.0					0		

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STADIA SURVEY NOTES

AREA N.P.L.-4 STATE or PROVINCE ALASKA PAGE No. 97
 LINE No.(s) 138-77 PARTY No. 1173 DATE 29 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												628.0			
2	E	3520		87 25 30				2.0		-156.6	471.4		Δ	1264	
3	✓			272 35 20				2.0					Δ		
4		1760		87 43 20				1.0		+ 69.0		540.4		1265	
5		550		93 18 30				5.0		- 36.8		434.6		1265 + 1210	
6		0	✓					5.0		-50		466.4	π	1266	
7	W	1760		84 56 05				12.0		+143.6		615.0	0	1267	613-7
8	✓			275 04 00				12.0					0		
9	E	2310		91 58 30				15.0		+94.5	709.5		Δ		
10	✓			268 02 00				15.0					Δ		
11		550		90 58 30				15.0		- 24.4		685.1		1268	
12		0	✓					5.0		-50		704.5	π	1268+550	
13	W	1210		90 57 30				15.0		- 35.2		674.3		1269	
14		2200		90 54 40				15.0		- 50.0		659.5		1269 + 990	
15		2970		90 24 00				15.0		-35.4		674.1	0	1270	672-7
16	✓			269 36 40				15.0					0		
17	E	2750		93 44 25				15.0		+194.2	868.3		Δ		
18	✓			266 16 25				15.0					Δ		
19		990		93 20 00				15.0		- 72.6		795.7		1271	
20	0	✓						5.0		-5.0		863.3	π	1271 + 990	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 98
 LINE No.(s) 138-77 PARTY No. 1173 DATE 29 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN R. SMITH 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												868.3			
2	W	770	✓					13.4		-13.4		854.9	1272		
3		1320		90 14 10				21.0		-26.4		841.9	1272 + 550		
4		2750		89 31 10				3.0		+20.1		888.4	1273		
5		4394		88 36 20				3.0		+104.1		972.4	138-40		
6		✓		271 24 00				3.0					1273 + 1644		
7												970.7	BARR SURVEY 970.7		
8															
9												71.7	MISRE		
10															
11												970.7	TBM 138-90		
12	E	666		87 41 30				9.0		-17.8		952.9	1273 + 1644		
13		✓		272 18 30				9.0							
14		550		87 40 00				5.0		+17.4		970.3	1274		
15		0	✓					5.0		-5.0		947.9	1274 + 550		
16	W	1210		92 58 20				15.0		-77.8		875.1	1275		
17		2970		93 24 00				15.0		-191.2		761.7	1276	761.6	
18		✓		266 36 00				15.0							
19	E	3190		88 04 30				15.0		-92.3		669.4			
20		✓		271 55 50				15.0							

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 99
 LINE No.(s) 138-77 PARTY No. 1173 DATE 30 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												669.4				
2	E	1430		89 05 50				15.0		+7.5		676.9		1277		
3		1100		89 33 10				4.0		+4.6		674.0		1277	+330	
4		660		89 38 20				21.0 ^W		-11.8		652.6		1277	+770	
5		0	✓					5.0		-5.0		664.4	W	1277	+1430	
6	W	330		91 34 10				15.0		-24.0		645.4		1278		
7		2090		92 30 20				15.0		-16.4		563.0		1279		
8		2640		91 48 00				15.0		+97.9		571.5		1279	+550	
9		2860		91 58 30				15.0		-113.6		555.8		1279	+770	
10		3850	✓				B	13.0	-19.3							
11		✓	✓				B	13.0	-19.3							
12	E	1760		91 35 40				15.0		+6.0	701.1					
13		✓		268 24 20				15.0								
14		0	✓					5.0		-5.0		696.1	W	1281		
15	W	1760		89 08 35				2.0		+24.4		725.5	O	1282	725.2	
16		✓		270 51 50				3.0								
17	E	2970	✓				T	15.0	-14.8		+0.2	725.7				
18		✓	✓				T	15.0	-14.8							
19		1210		91 23 00				15.0		-44.2		681.5		1283		
20		880		93 20 00				15.0		-66.2		659.5		1283	+330	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 100
 LINE No.(s) 138-77 PARTY No. 1173 DATE 30 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												725.7			
2		0	✓					5.0		-5.0		720.7	π	1283	+1210
3	W	550	✓					3.2		-3.2		722.5		1284	
4		1760		88 30 40				3.0		+42.7		768.4		1284	+1210
5		1310		87 54 50				2.0		+82.1		807.8		1285	
6		4070		87 07 20				3.0		+202.4		928.1		1286	
7		4395		87 06 40				13.0		+208.8		934.5	○	138-41	
8		✓		272 53 40				13.0							○ = S.P. 1286 + 305
9												934.1			BARR SURVEY 934.1
10															
11												10.4			MISTIE
12															
13												934.1			TBM 138-41
14	E	3195		89 26 00				5.0		-26.6		907.5			Δ = S.P. 1286 + 325
15		✓		270 34 00				5.0							Δ
16		1760	✓					T 7.5	+8.8			908.8		1287	
17		0	✓					5.0		-5.0		902.8	π	1288	
18	W	1760		93 03 50				15.0		-109.1		798.4		1289	
19		3520		92 39 30				15.0		-178.3		729.2	○	1290	728.8
20		✓		267 20 30				15.0					○		

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 101
 LINE No.(s) 138-77 PARTY No. 1173 DATE 30 Day APR Mo. 27 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN R. SMITH 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												729.2			
2	E	2310		89 27 00				20		+20.2	709.0		Δ	1290	
3		✓		270 33 00				2.0					Δ		
4		530	✓					5.2		-5.2		703.8		1291	
5		0	✓					5.0		-5.0		704.0	π	1291	+550
6	W	1210		92 36 20				15.0		-70.0		639.0		1292	
7		2970		91 57 00				15.0		+116.1		592.9		1293	
8		3740		91 21 20				15.0		-103.1		605.9	0	1293	+770
9		✓		268 39 20				15.0					0		605.2
10	E	3520	✓				B	8.2	+176		+25.6	631.5	Δ		
11		✓	✓				B	7.8	+176				Δ		
12		2530		90 54 10				15.0		-54.9		576.6		1294	
13	1540	2310		93 12 10				15.0		-101.1		539.4		1294	+990
14		770		92 57 30				15.0		-53.4		578.6		1295	
15		0	✓					5.0		-5.0		626.5	π	1295	+770
16	W	990		88 15 15				10.0		+20.2		657.7	0	1296	650.8
17		✓		271 49 50				10.0					0		
18	E	3520	✓				B	13.5	+176		+31.1	682.8	Δ		
19		✓	✓				B	13.5	+176				Δ		
20		1760		91 00 30				15.0		-46.0		636.8		1297	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 102
 LINE No.(s) 138-77 PARTY No. 1173 DATE 30 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SPERRILL RODMAN R. SMITH 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												682.5			
2		0	✓					5.0		-5.0		677.5	π	1298	
3	W	1760		88 21 40				2.0		+48.3		731.1		1299	
4		3570		87 45 20				15.0		+123.1		805.9	0	1300	804.6
5				272 15 00				15.0					0		
6	E	1622		91 24 30				15.0		+53.5		859.4			
7			✓	268 38 30				15.0							
8		0	✓					5.0		-5.0		854.4	π	1300+1622	
9		0	✓					5.0		-5.0		854.4	0	138-42 = Δ DAW-1	
10		0	✓					5.0						0 = SA 1300+1622	853.0
11												853.0		BARR SURVEY	
12															
13												+1.4		MISTIF	
14															
15												853.0	TBM	138-42	
16		0	✓					5.0		+5.0		858.0		Δ SP 1300+1622	
17		0	✓					5.0							
18		0	✓					5.0		-5.0		853.0	π	1300+1622	
19	W	138	✓					12.2		-12.2		845.8		1301	
20		1800B		94 55 10				8.0		-170.9		687.1		T3.1	

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STADIA SURVEY NOTES

AREA N.P.R. - 4 STATE or PROVINCE ALASKA PAGE No. 103
 LINE No.(s) 138-77 PARTY No. 1173 DATE 30 Day APR Mo. 77 Yr. BOOK No. _____
 SURVEYOR T. SHERKILL RODMAN R. SMITH 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												858.0				
2		3658		94	06 20				4.0	-266.1		591.9		T.S. 2		
3		5418		93	09 40				4.0	-302.9		555.1	Q	T.S. 3		
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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