

STADIA SURVEY NOTES

AREA Umiait STATE or PROVINCE Alaska PAGE No. 2
 LINE No.(s) 80X PARTY No. 1173 DATE 21 Day 2 Mo. 28 Yr. BOOK No. _____
 SURVEYOR R. Ippisch RODMAN K Barr WEATHER: Cloudy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												788.2			
2		2970	89	36	40			110		-9.3	778.9		Δ	TS 3+550	
3		2640	89	54	12			110		-6.4		772.5		TS 4	
4		1760	91	23	10			110		-53.5		725.4		TS 5	
5		880	91	38	50			110		-31.3		742.6		TS 6	
6		0	✓					50		-5.0		773.4	π	TS 7	
7		880	85	26	10			110		+59.0		837.9		TS 8	
8		1760	85	31	17			110		+126.5		905.4		TS 9	
9		2640	84	19	40			40.5		+286.6		1035.5		TS 10	
10		3190	84	08	15			11		+315.0		1093.9	0	TS 10+550	
11															
12		990	92	07	10			110		+47.6	1146.5		Δ		
13		660	91	50	30			110		-32.2		1109.3		TS 11	
14		0	✓					50		-5.0		1136.5	π	TS 11+660	
15		220	93	20	50			45		=17.3		1124.2		TS 12	
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA Umiat STATE or PROVINCE Alaska PAGE No. 3
 LINE No.(s) 80X PARTY No. 1173 DATE 21 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Ippisch RODMAN K Barr WEATHER: Cloudy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1											1162.3	REFILL L-2 P-11	138X	
2		880	86	30	15			15.0	-38.5	1123.6		Δ 194	Well	
3		✓ 273	28	00				15.0				Δ	F.S.P. 1510+276-138X	
4		0	✓					5.0	-5.0		1118.6	∇	193	
5		880	93	23	35			11.0	-63.1		1060.5		192	
6		1760	93	10	48			11.0	-108.6		1015.0		191	
7		2640	93	12	02			11.0	-158.9		964.7	○	190	
8		✓ 266	46	22				11.0				○		
9														
10		2640	86	26	50			11.0	-152.2	812.4		Δ		
11		✓ 273	31	40				11.0				Δ		
12		1760	86	16	50			11.0	+103.2		915.6		189	
13		880	86	54	33			11.0	+36.5		848.9		188	
14		0	✓					5.0	-5.0		807.4	∇	187	
15		880	90	38	05			11.0	-20.9		791.5	○	186	
16		✓ 269	20	26				11.0				○		
17														
18		2840	87	48	20			11.0	-97.3	694.0		Δ		
19		✓ 272	10	05				11.0				Δ		
20		2960	88	18	20			11.0	+47.0		741.0		185	

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AREA Umia STATE or PROVINCE Alaska PAGE No. 4
 LINE No.(s) 80 X PARTY No. 1173 DATE 21 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R. Ippisch RODMAN K. Barr WEATHER: Cloudy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.		
1											694.0			
2		1080	89	22	38			11.0	+0.8		694.8		184	
3		200	✓					11.0	-11.0		683.0		183	
4		0	✓					5.0	-5.0		689.0	π	182+660	
5		550	93	15	28			11.0	-42.2		651.8		1824110	
6		660	92	15	27			11.0	-37.0		657.0		182	
7		1540	88	15	52			11.0	+35.7		729.7		181	
8		2420	87	58	17			15.0	+70.3		764.3	0	180	
9		✓	272	00	25			15.0				0		
10														
11		1760	88	43	20			5.0	-33.8	730.2		Δ	180	
12		✓	271	14	50			5.0				Δ		
13		880	88	05	35			11.0	+18.3		748.5		179	
14		0	✓					5.0	-5.0		725.2	π	178	
15		880	91	43	05			11.0	-37.4		692.8		177	
16		1760	91	33	05			11.0	-58.6		671.6		176	
17		2640	91	17	10			11.0	-70.7		659.5	0	175	
18		✓	260	41	20			11.0				0		
19														
20														

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AREA UMIAT STATE or PROVINCE ALASKA PAGE No. 5
 LINE No.(s) 80 X PARTY No. 1173 DATE 22 Day FEB Mo. 78 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN K. BARR WEATHER: ICE FOG P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2		7530	✓					9.0	+9.4	668.7		Δ	175		
3			✓					9.8				Δ			
4		1650.	✓					14.8	-14.8		653.9		174		
5		770	90	34 00				11.0	-18.6		650.1		173		
6		0	✓					5.0	-5.0		663.7	π	172+110		
7		110	✓					10.8	-10.8		657.9		172		
8		990	89	25 15				11.0	-1.0		667.7		171		
9		1320	89	47 00				11.0	-6.2		662.5	0	170+550		
10		✓	270	11 40				11.0				0			
11															
12		440	87	10 30				11.0	-10.6	651.7		Δ	170+550		
13		✓	272	48 30				11.0							
14		0	✓					5.0	-5.0		646.7	π	170+110		
15		110	92	24 00				11.0	-15.6		636.1		170		
16		660	97	16 00				1.0	-84.5		567.2		169+380		
17		990	94	29 10				11.0	-88.4		563.3		169		
18		1870	92	10 10				11.0	-82.0		569.7	0	168		
19		✓	267	48 40				11.0				0			
20															

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AREA UMIAT STATE or PROVINCE ALASKA PAGE No. 6
 LINE No.(s) 80 X PARTY No. 1173 DATE 22 Day FEB Mo. 78 Yr. BOOK No. _____
 SURVEYOR T. SHERRILL RODMAN K. BARR WEATHER: HAZY 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		1210	92	35 00					11.0	+65.9	635.4		Δ	168		
3		✓	267	22 50					11.0	-76.			Δ			
4		330	92	42 00					11.0	-26.5		608.9		167		
5		0	✓						5.0	-5.0		630.4	π	166+550		
6		550	88	14 20					11.0	+5.9		641.3		166		
7		1430	87	37 45					11.0	+51.9		687.3	○	165		
8		✓	272	40 10					11.0				○			
9																
10		880	90	39 15					11.0	+21.1	708.2		Δ	165		
11		✓	269	19 53					11.0				Δ			
12		0	✓						5.0	-5.0		703.2	π	164		
13		880	90	19 55					11.0	-16.1		692.1		163		
14		1760	90	24 20					11.0	-23.4		684.8		162		
15		2640	90	31 30					11.0	-35.4		672.8	○	161		
16		✓	269	27 40					11.0				○			
17																
18		2310	89	32 55					11.0	-7.1	665.7		Δ			
19		✓	270	26 10					11.0				Δ			
20		1430	89	24 09					21.0	HR -6.0		659.7		160		

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AREA Umiat STATE or PROVINCE Alaska PAGE No. 7
 LINE No.(s) 80x PARTY No. 1173 DATE 23 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R. Tippisch RODMAN K Barr WEATHER: Cloudy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				-Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		550	88	54	10				11.0	-0.5		665.2		159.330		
3		0	✓						5.0	-5.0		660.7	π	158.456 PIPE	158+330	
4		330	91	25	16				11.0	-18.3		647.4	0	158		
5		✓	268	43	37				11.0				0			
6																
7		2310	86	19	20				11.0	-136.9	510.2		Δ			
8		✓	273	39	33				11.0				Δ			
9		1430	87	46	05				11.0	+44.7		552.9		157		
10		550	88	05	27				11.0	+7.3		517.5		156		
11		0	✓						5.0	-5.0		505.2	π	155+330		
12		330	90	55	40				11.0	-16.3		493.9		155		
13		880	92	13	00				11.0	-46.0		465.2		154+550		
14		1210	91	40	36				11.0	-46.4		463.8		154		
15		2090	91	47	05				11.0	-76.0		434.2		153		
16		2970	91	14	30				11.0	-75.8		434.4	0	152		
17		✓	268	44	05				11.0				0			
18																
19		2640	88	19	5.2				11.0	-65.6	368.5		Δ			
20		✓	271	38	55				11.0				Δ			

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AREA Umiaat STATE or PROVINCE Alaska PAGE No. 88
 LINE No.(s) 80x PARTY No. 1173 DATE 23 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Tippisch RODMAN K Ball WEATHER: Cloudy -10 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												368.5				
2		1760	88	18	00			11.0		+41.3		409.8		151		
3		1430	✓					4.5		-4.5		364.0		150 + 550		
4		880	✓					4.4		-4.4		364.1		150		
5		0	✓					5.0		-5.0		363.5	π	149		
6		880	✓					7.7		-7.7		360.8		148		
7		1760	✓					7.8		-7.8		360.7		147		
8		2640	✓					8.7		-9.2		359.3	0	146		
9		✓	✓					9.7					0			
10												363.3				
11		2640	89	51	52			10.0		+4.1			Δ			
12		✓	270	06	57			10.0					Δ			
13		1760	✓					4.5		-4.5		358.8		145		
14		880	✓					4.5		-4.5		358.8		144		
15		0	✓					5.0		-5.0		358.3	π	143		
16		880	✓					8.7		-8.9		354.4	0	142		
17		✓	✓					9.0					0			
18																
19																
20																

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AREA Umiat STATE or PROVINCE Alaska PAGE No. 9
 LINE No.(s) 80X PARTY No. 1173 DATE 23 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R Ippisch RODMAN K Barr WEATHER: cloudy -10° 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		2970	89	47	45				14.0	+5.0	359.3		Δ	142	
3			270	08	08				14.0				Δ		
4		2890	✓						4.1	-4.1	355.2			147	
5		1210	✓						15.0	-15.0	344.3			140	
6		330	90	36	30				15.0	-18.5	340.8			139	
7		0	✓						5.0	-5.0	344.3		π	138+550	
8		550	✓						7.1	-7.1	352.2			138	
9		1430	✓						7.2	-7.8	351.5		0	137	
10		✓	✓						8.3				0		
11															
12		1760	89	51	35				10.0	+6.2	357.4		Δ		
13		✓	270	06	20				10.0				Δ		
14		880	89	51	15				15.0	-12.7	344.7			136	
15		0	✓						5.0	-5.0	352.4		π	135	
16		880	✓						2.5	-2.5	354.9			134	
17		1650	89	50	05				5.0	-0.2	357.2			133+110	
18		1760	89	32	40				5.0	+9.1	366.5			133	
19		2530	88	18	38				10.0	+64.0	421.4		0	133-770	
20		✓	271	39	18				10.0				0		

1210
28
20

2645
33
2970

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AREA Umiaat STATE or PROVINCE Alaska PAGE No. 10
 LINE No.(s) 80 X PARTY No. 1173 DATE 24 Day 2 Mo. 78 Yr. BOOK No. _____
 SURVEYOR R. Fippisch RODMAN K. Bart WEATHER: Clear +10° 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		1870	✓								+4.9	425.9		Δ	133-770
3		✓	✓											Δ	
4		1760	90	04	05						-13.0	412.9		TS1	
5		880	91	15	18						-30.3	395.6		TS2	
6		0	✓								-5.0	420.9	κ	TS3	
7		880	87	56	10						+27.2	453.1		TS4	
8		1760	86	21	00						+107.6	533.5		TS5	
9		2640	86	11	10						+160.7	586.6		TS6	
10		2647	86	01	20						+167.7	593.6	0	TBM	8002
11		✓	223	55	48										
12												593.6	✓	TBM	8002 (FY 77)
13															+3.3 MISTIE RAW
14												593.6			
15		1753	✓								+10.8	604.4		Δ	TBM 8002
16		873	90	07	26						-13.9	591.5		TS7	
17		0	✓								-5.0	599.4	κ	TS8	
18		880	89	32	22						-3.9	600.5		TS9	
19		1760	89	39	35						-0.5	603.9		TS10	
20		2640	89	26	15						+15.1	619.5		TS11	

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AREA Umiat STATE or PROVINCE Alaska PAGE No. 11
 LINE No.(s) 80x PARTY No. 173 DATE 24 Day 2 Mo. 78 Yr. BOOK No.
 SURVEYOR R. J. Jepsich RODMAN K Barr WEATHER: Clear +10° P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. O.F.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		352.089		34	20				11.0	+15.5		619.9		TS 12		
3																
4																
5																
6																
7																
8																
9																
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