

### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 1  
 LINE No.(s) 37X PARTY No. 1173 DATE 23 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien 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											2151.2	✓		
2		3080	96	36	58			15.0	+48.8	2200.1		A	1018 = 78218	
3		✓ 260	21	02				15.0				A		
4		2640	91	08	00			15.0	-67.1		2133		1019	
5		2200	91	33	30			15.0	-74.7		2125.4		1020	
6		1760	91	43	50			15.0	-68.1		2132.0		1021	
7		1320	91	50	35			15.0	-57.4		2142.7		1022	
8		880	91	40	55			15.0	-40.8		2159.3		1023	
9		440	90	37	02			15.0	-19.7		2180.4		1024	
10		0	✓					5.0	-5.0		2195.1	✓	1025	
11		440	88	50	10			5.0	+3.9		2204.0		1026	
12		880	88	55	00			5.0	+11.7		2211.8		1027	
13		1320	88	58	09			5.0	+18.8		2218.9		1028	
14		1760	88	57	21			5.0	+27.1		2227.2		1029	
15		2200	89	01	42			7.0	+30.4		2230.5		1030	
16		2640	88	59	47			5.0	+41.4		2241.5		1031	
17		3080	88	59	42			5.0	+48.6		2248.7	0	1032	
18		✓ 270	58	58				5.0				0		
19														
20														

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### STADIA SURVEY NOTES

AREA KILIK RIVER STATE or PROVINCE Alaska PAGE No. 2  
 LINE No.(s) 37X PARTY No. 1173 DATE 23 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien 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		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		1430	90	22	46			15.0		+24.6	2273.3		Δ	1032		
3		✓	269	36	25			15.0					Δ			
4		990	90	35	17			15.0		-25.1	2248.2			1033		
5		550	90	33	05			15.0		-20.3	2253.0			1034		
6		110	✓					8.3		-8.3	2265.0			1035		
7		0	✓					5.0		-5.0	2268.0		K	1035+10		
8		330	✓					9.4		-9.4	2263.9			1036		
9		770	90	15	05			15.0		-18.4	2254.9			1037		
10		1210	90	05	50			15.0		-17.0	2256.3			1038		
11		1650	90	15	45			15.0		-22.5	2250.8			1039		
12		2090	90	17	02			15.0		-25.3	2248.0			1040		
13		2530	90	05	48			15.0		-19.1	2254.2			1041		
14		2970	✓					9.9		-9.7	2263.6			1042		
15		3410	89	44	15			5.0		+10.4	2283.7		0	1043		
16		✓	270	14	43			5.0					0			
17																
18		3080	90	41	48			15.0		+53.0	2336.7		Δ			
19		✓	269	16	23			16.0					Δ			
20		2640	90	32	28			15.0		-39.8	2296.9			1044		

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 3  
 LINE No.(s) 37X PARTY No. 1173 DATE 23 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien 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															
2		2200	90	28	48				15.0	-33.3		2303.4		1045	
3		1760	90	22	50				15.0	-26.6		2310.1		1046	
4		1320	90	10	21				15.0	-18.9		2317.8		1047	
5		880	✓						13.6	-13.6		2323.1		1048	
6		440	✓						8.5	-8.5		2328.2		1049	
7		0	✓						5.0	-5.0		2331.7	X	1050	
8		440	✓						5.3	-5.3		2331.4		1050	
9		880	✓						6.8	-6.8		2329.9		1052	
10		1320	90	03	54				15.0	-16.5		2320.2		1053	
11		1760	90	15	23				21.0	-28.8		2307.9		1054	
12		2200	90	09	04				21.0	-26.7		231.0		1055	
13		2640	90	03	58				15.0	-17.9		2318.8		1056	
14		3080	✓						10.5	-10.8		2325.9	0	1057	
15		✓	✓						11.5				0		
16															
17		2080	91	05	23				15.0	+73.7		2399.6		Δ	
18		✓	268	53	57				15.0					Δ	
19		2640	91	05	38				15.0	-65.3		2334.3		1058	
20		2200	91	07	07				15.0	-57.8		2341.8		1059	

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 4  
 LINE No.(s) 372 PARTY No. 1173 DATE 23 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien 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															
2		1760	91	08	34				15.0	-50.0		2349.6		1060	
3		1320	90	58	25				15.0	-37.4		2362.2		1061	
4		880	90	41	57				15.0	-25.7		2373.9		1062	
5		440	90	04	36				15.0	-15.6		2384.0		1063	
6		0	✓						5.0	-5.0		2394.6	π	1064	
7		440	88	41	51				5.0	+5.0		2404.6		1065	
8		880	88	38	43				5.0	+15.8		2415.4		1066	
9		1320	88	44	06				5.0	+24.2		2423.8		1067	
10		1760	88	34	02				5.0	+39.1		2438.7		1068	
11		2200	88	29	40				5.0	+52.9		2452.5		1069	
12		2640	88	32	45				5.0	+62.1		2461.7		1070	
13		3080	88	30	20				5.0	+75.5		2475.1		1071	
14		3410	88	11	05				5.0	+102.6		2502.2	0	1071+330	
15		✓	271	47	33				5.0				0		
16															
17		1870	91	10	14				15.0	+53.5	2555.8		Δ		
18		✓	260	48	29				15.0				Δ		
19		1760	91	12	45				15.0	-52.2		2503.6		1072	
20		1320	91	59	15				15.0	-60.7		2495.1		1073	

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 5  
 LINE No.(s) 37X PARTY No. 1173 DATE 23 Day 4 Mo 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien RODMAN K Baer WEATHER: Cloudy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2		880	92	47	23				15.0	-57.9		2497.9		1074		
3		440	94	23	31				15.0	-48.7		2271.2	Δ	1075		
4		0	✓						5.0	-5.0		2550.8	κ	1076		
5		440	92	20	21				15.0	-33.0		2522.8		1077		
6		880	90	49	59				15.0	-27.8		2528.0		1078		
7		1390	90	17	04				15.0	-21.5		2534.3		1079		
8		1760	89	48	24				15.0	-9.0		2546.8		1080		
9		2200	89	31	35				15.0	+3.3		2559.1		1081		
10		2640	89	32	07				15.0	+6.6		2562.4		1082		
11		3080	89	27	30				15.0	+13.3		2569.1	0	1083		
12		✓	270	30	38				15.0				0			
13																
14		1480	97	17	24				10.0	+196.7	2765.8		Δ			
15		✓	262	41	22				10.0				Δ			
16		0	✓						5.0	-5.0			κ	78219		
17		0	✓						5.0	-5.0		2760.8	0	78219 = 2760.8		
18		0	✓						5.0	-5.0			0			
19																-0.1 MISTIE RAW
20																

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**STADIA SURVEY NOTES**

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 6  
 LINE No.(s) 37X PARTY No. 1173 DATE 24 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien RODMAN K Barr WEATHER: Clear P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD-READING			Center Hair	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				INST.	ROD			
1												2569.1				
2		2640	91	35	33			15.0		+88.7	2657.8		Δ	1083		
3		✓ 2200	268	23	06			15.0					Δ			
4		2200	91	38	21			15.0		-77.8	-	2580.0		1084		
5		1760	91	34	28			15.0		-63.3		2594.5		1085		
6		1320	91	23	57			15.0		-47.2		2610.6		1086		
7		880	91	02	47			15.0		-31.1		2626.8		1087		
8		440	90	43	28			15.0		-20.6		2637.3		1088		
9		0	✓					5.0		-5.0		2652.8	X	1089		
10		440	88	56	14			5.0		+3.2		2661.0		1090		
11		880	89	06	19			5.0		+8.8		2666.6		1091		
12		1320	89	12	47			5.0		+13.2		2671.0		1092		
13		1760	89	00	10			5.0		+25.7		2683.5		1093		
14		2200	88	45	27			5.0		+42.8		2700.6		1094		
15		2640	88	36	15			5.0		+59.5		2717.3		1095		
16		3080	88	31	37			5.0		+74.4		2732.2		1096		
17		3520	88	21	23			5.0		+95.5		2753.4	0	1097	E.O.L. PIPE	
18		✓	271	37	17			5.0					0			
19																
20																

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**STADIA SURVEY NOTES**

AREA KINK RIVER STATE or PROVINCE Alaska PAGE No. 7  
 LINE No.(s) 37X PARTY No. 1173 DATE 21 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F. O'Brien RODMAN K. Barr WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1																
2		0	✓								+5.0	2156.3		Δ	1018	
3		0	✓											Δ		
4		0	✓								-5.0	2151.2		K	1018	
5		440	90	33	17						-19.3	2137.0			1017	
6		880	90	24	49						-21.3	2135.0			1016	
7		1320	90	08	30						-18.2	2138.1			1015	
8		1760	✓								-8.4	2147.9			1014	
9		2200	✓								-9.2	2147.1			1018	
10		2640	90	02	59						-17.5	2138.8		0	1012	
11		✓	268	56	05									0		
12																
13	89 09 02	2697	89	12	13						-32.1	2106.7		Δ		
14	270 50 45	✓	270	46	29									Δ		
15		2257	89	12	58						+26.0	2132.7			1011	
16		1817	89	12	51						+16.8	2123.5			1010	
17		1377	89	14	57						+13.2	2119.9			1009	
18		937	89	07	43						+9.3	2116.0			1008	
19		497	89	01	00						+3.5	2110.2			1007	
20		57	✓								-5.5	2102.2			1006	

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 8  
 LINE No.(s) 372 PARTY No. 173 DATE 21 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR E O Brien RODMAN K Barr WEATHER: Clear P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ΔB.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												2106.7				
2		0	✓								-5.0	2101.7	K	INT		1.37 X = 10054383 1. RL = 148 + 23
3		417	✓								-2.3	2101.4		149		1- RL
4		383	✓								-10.7	2096.0	0	1005		
5		✓	✓											0		
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 9  
 LINE No.(s) 37X PARTY No. 1173 DATE 24 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien RODMAN K Bair 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																
2		3080	89	01	51				5.0	-46.7	2049.5		A	1005		
3		✓ 2640	89	56	51				5.0				A			
4		2640	89	04	42				5.0	+37.6	2087.1			1004		
5		2200	89	10	58				5.0	+26.5	2076.0			1005		
6		1760	89	12	11				5.0	+19.5	2069.0			1002		
7		1320	89	20	00				5.0	+10.4	2059.9			1001		
8		880	89	26	47				5.0	+3.5	2053.0			1000		
9		440	89	33	20				5.0	-1.6	2047.9			999		
10		0	✓						5.0	-5.0	2044.5		X	998		
11		440	✓						14.1	-14.1	2035.4			997		
12		880	90	14	00				15.0	-18.6	2030.9			996		
13		1320	90	23	06				15.0	-23.8	2025.7			995		
14		1760	90	27	15				15.0	-28.9	2020.6			994		
15		2200	90	32	29				15.0	-35.7	2013.8			993		
16		2640	90	37	04				15.0	-43.3	2006.7			992		
17		3080	90	41	05				15.0	-52.4	1997.1		0	991		
18		✓ 2640	17	08					15.0				0			
19																
20																

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 10  
 LINE No.(s) 37 X PARTY No. 1173 DATE 24 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O Brien RODMAN K Barr WEATHER: Clear P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2		3080	89	10	12				15.0		-29.0	1968.2		Δ	991
3		✓	270	48	00				15.0					Δ	
4		2640	89	22	49				5.0		+23.7	1991.9			990
5		2200	89	21	48				5.0		+19.5	1987.7			989
6		1760	89	23	19				5.0		+13.8	1982.0			988
7		1320	89	27	29				5.0		+7.5	1975.7			987
8		880	89	40	19				5.0		+0.1	1968.3			986
9		440	✓						2.7		-2.7	1965.5			985
10		0	✓						5.0		-5.0	1963.2		κ	984
11		440	✓						10.5		-10.5	1957.7			983
12		880	✓						14.0		-14.0	1954.2			982
13		1320	90	07	14				15.0		-17.7	1950.5			981
14		1622	90	11	43				15.0		-21.0	1947.2		o	980 + 138 (78217)
15		✓	269	46	08				15.0					o	
16															78217 = 1952.72
17															
18															
19															
20															

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### STADIA SURVEY NOTES

AREA Killik River STATE or PROVINCE Alaska PAGE No. 11  
 LINE No.(s) 37X PARTY No. 1173 DATE 24 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien RODMAN K Barr 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 of Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2		3218	89	20	34					-21.2	1926.9		Δ	980+138 (782.17) (952.9)	
3		✓	270	37	29								Δ		
4		3086	89	31	44					+20.5	1946.6			980	
5		2640	89	32	44					+16.1	1942.2			979	
6		2200	89	33	15					+12.2	1938.3			978	
7		1760	89	33	39					+8.6	1934.7			977	
8		1320	89	39	27					+2.4	1928.5			976	
9		880	89	42	07					-0.4	1925.9			975	
10		440	✓							-4.4	1921.7			974	
11		0	✓							-5.0	1921.6		π	973	
12		440	✓							-8.7	1917.4			972	
13		880	90	01	25					-15.3	1910.8			971	
14		1320	90	10	08					-18.9	1907.2			970	
15		1760	90	16	09					-23.2	1902.9			969	
16		2200	90	30	39					-34.5	1891.6			968	
17		2640	90	30	24					-39.1	1887.0		0	967	
18		✓	269	27	10								0		
19															
20															

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 12  
 LINE No.(s) 37X PARTY No. 1173 DATE 24 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien RODMAN K Barr WEATHER: Clear P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1														
2		2640	89	15	37			15.0	-18.5	1848.7		Δ	967	
3		V	270	42	26			15.0				Δ		
4		2200	89	25	11			5.0	+17.4	1886.1			966	
5		1760	89	21	31			5.0	+14.8	1883.5			965	
6		1320	89	17	01			5.0	+11.5	1880.2			964	
7		880	89	18	19			5.0	+5.7	1874.4			963	
8		440	V					2.0	-2.0	1866.7			962	
9		0	V					5.0	-5.0	1863.7		π	961	
10		440	90	01	14			15.0	-15.2	1853.5			960	
11		880	90	46	06			15.0	-26.8	1841.9		/	959	
12		1320	91	10	27			15.0	-42.0	1826.7			958	
13		1760	91	05	37			15.0	-48.5	1820.2			957	
14		2200	91	00	14			15.0	-53.4	1815.13			956	
15		2640	90	54	42			15.0	-51.9	1811.8			955	
16		3080	90	54	14			15.0	-63.6	1805.1		0	954	
17		V	269	05	18			15.0				0		
18														
19		2594	89	16	20			15.0	-18.0	1787.1		Δ		
20		V	270	43	21			15.0				Δ		

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**STADIA SURVEY NOTES**

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 13  
 LINE No.(s) 37X PARTY No. 1173 DATE 24 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR E O'Brien RODMAN K Barr WEATHER: Clear P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1											1787.1					
2		2154	89	32	43			5.0	+12.2		1799.3		953			
3		1714	89	32	11			5.0	+8.9		1796.0		952			
4		1274	89	35	49			5.0	+4.0		1791.1		951			
5		834	89	32	21			5.0	+1.7		1788.8		950			
6		394	✓					2.1	-2.1		1785.0		949			
7		0	✓					5.0	-5.0		1782.1	π	948+46 = 78216			
8		0	✓					5.0			1782.1	0	948+46 = 78216		(1786)	
9		0	✓					5.0								
10																
11																
12																
13																
14											1782.0					
15		0	✓					5.0	+5.0		1782.3		Δ	948+46 = 78216		
16		0	✓					5.0					Δ			
17		0	✓					5.0	-5.0		1782.3	π	948+46 = 78216			
18		46	✓					7.1	-7.1		1780.2		948			
19		486	96	08	45			15.0	-16.2		1771.1		947			
20		926	91	09	13			15.0	-33.6		1753.7		946			

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE? Alaska PAGE No. 14  
 LINE No. (s) 27X PARTY No. 1173 DATE 25 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien RODMAN K Barr 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	Correction	Center Hair			INST.	ROD			
1												1787.3				
2		1366	91	31	32			15.0		-51.3		1736.0		945		
3		1806	91	21	54			15.0		-58.0		1729.3		944		
4		2246	91	06	29			15.0		-58.3		1729.0		943		
5		2686	90	51	38			15.0		-55.2		1732.1		942		
6		3126	90	41	08			15.0				1735.2	0	941		
7		✓ 269	18	59				15.0		-52.1			0			
8																
9		3080	88	57	30			15.0				1694.5		Δ		
10		✓ 271	01	41				15.0		-40.8				Δ		
11		2640	88	56	25			15.0		+34.0		1728.5		940		
12		2200	88	53	59			15.0		+27.3		1721.8		939		
13		1760	89	01	40			15.0		+14.9		1709.4		938		
14		1320	89	09	00			15.0		+4.6		1699.1		937		
15		880	89	13	34			15.0		-3.1		1691.4		936		
16		440	✓					7.5		-7.5		1687.0		935		
17		0	✓					5.0		-5.0		1689.5	κ	934		
18		440	✓					2.2		-2.2		1692.3		933		
19		880	89	21	31			5.0		+4.9		1699.4		932		
20		1320	89	21	08			5.0		+10.0		1704.5		931		

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 15  
 LINE No. (s) 37X PARTY No. 1173 DATE 25 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FORBEN RODMAN K Barr 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	Correc-tion	Center Hair			INST.	ROD			
1												1694.5				
2		1760	89	27	52			5.0		+11.5		1706.0		930		
3		2200	89	28	55			15.0		+4.6		1699.1	0	929		
4		✓ 270	29	52				15.0					0			
5																
6		2640	89	17	05			15.0		-17.6		1681.6		Δ		
7		✓ 270	41	39				15.0						Δ		
8		2200	89	12	16			15.0		+15.6		1697.2		928		
9		1760	89	05	07			15.0		+13.2		1694.8		927		
10		1320	88	55	49			15.0		+9.7		1691.3		926		
11		880	89	12	33			5.0		+7.2		1688.8		925		
12		440	89	01	24			5.0		+2.5		1684.7		924		
13		0	✓					5.0		-5.0		1676.6		κ 923		
14		440	90	30	20			15.0		-18.9		1662.7		922		
15		880	91	02	30			15.0		-31.0		1650.6		921		
16		1320	91	07	56			15.0		-41.0		1640.6		920		
17		1760	91	02	27			15.0		-46.9		1634.7		919		
18		2200	91	07	47			15.0		-58.3		1623.3		918		
19		2640	91	12	20			15.0		-70.4		1611.2		917		
20																

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 16  
 LINE No.(s) 37X PARTY No. 1173 DATE 25 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien RODMAN K Ball 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	Correc-tion	Center Hair			INST.	ROD			
1												1681.6				
2		3080	91	14	29						-82.1	1599.53	0	916		
3		✓ 268	44	15									0			
4																
5		968	88	15	32						-14.3	1585.2	Δ			
6		✓ 271	43	21									Δ			
7		528	88	48	45						+5.9	1596.1		915		
8		88	✓								-4.3	1580.9		914		
9		0	✓								-5.0	1580.2	Δ	913+352 (782.15)		
10		0	✓								-5.0	1580.2	0	782.15 = 1586.0'		
11		0	✓										0		(1585.95)	
12																
13																
14																
15																
16																
17		0	✓								+5.0	1585.3	Δ	913+352 = 782.15		
18		0	✓										Δ			
19		0	✓								-5.0	1580.2	Δ	782.15		
20		352	90	20	33						-17.1	1568.2		913		

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 17  
 LINE No.(s) 37X PARTY No. 1173 DATE 25 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien RODMAN K Barr WEATHER: \_\_\_\_\_ 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		797	90	34	30			15.0		-22.9		1562.4		912		
3		1237	90	39	42			15.0		-29.2		1556.1		911		
4		1672	90	32	00			15.0		-31.0		1554.3		910		
5		2112	90	30	51			15.0		-34.1		1551.2	0	909		
6		✓	269	28	20			15.0					0			
7																
8		3080	89	16	45			15.0		-23.5	1527.9		Δ			
9		✓	270	42	22			15.0					Δ			
10		2640	89	13	43			15.0		+20.6		1548.5		908		
11		2200	89	14	04			15.0		+14.5		1542.4		907		
12		1760	89	09	13			15.0		+11.1		1539.0		906		
13		1320	88	03	34			15.0		+29.7		1557.6		905		
14		880	88	52	00			15.0		+2.4		1530.3		904		
15		440	✓					1.8		-1.8		1526.1		903		
16		0	✓					5.0		-5.0		1522.9	κ	902		
17		440	✓					14.5		-14.5		1513.4		901		
18		880	90	26	42			15.0		-21.8		1506.1		900		
19		1320	90	26	07			15.0		-25.0		1502.9		899		
20		1760	90	37	25			15.0		-34.1		1493.8		898		

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 18  
 LINE No.(s) 37X PARTY No. 1173 DATE 25 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien RODMAN K Barr WEATHER: Fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Δ B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2		2200	90	35	54			15.0	-37.9		1490.0		897		
3		2640	90	35	15			15.0	-41.9		1486.0		896		
4		3080	90	32	57			15.0	-44.7		1483.2	0	895		
5		✓	269	26	10			15.0				0			
6															
7		1540	91	39	23			15.0	+59.7	1542.9		Δ			
8		✓	268	19	39			15.0				Δ			
9		1100	92	23	30			15.0	-60.9		1482.0		894		
10		660	93	52	27			4.5	-43.1		1493.8		893		
11		220	97	44	41			15.0	-44.6		1498.3		892		
12		0	✓					5.0	-5.0		1537.9	π	891+220		
13		220	89	06	09			5.0	-1.6		1531.13		891		
14		660	89	03	42			5.0	+5.8		1548.7		890		
15		1100	88	43	36			5.0	+19.5		1562.4	0	889		
16		1540	271	16	41			5.0				0			
17															
18		1284	91	11	20			15.0	+41.6	1534		Δ			
19		✓	268	48	46			15.0				Δ			
20		844	90	45	32			15.0	-26.2		1567.8		888		

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 19  
 LINE No.(s) 37X PARTY No. 1173 DATE 26 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien RODMAN K Bart WEATHER: Fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadio Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD		
1															
2		404	✓						11.3	-11.3		1582.7		887	
3		0	✓						5.0	-5.0		1589.0	π	887-404	PIPE SR 760
4		30							5.0	-5.0		1599.0	0		
5		0							5.0				0		
6															
7															
8															
9															
10												1599.0	✓		
11		0	✓						5.0	+5.0	1604.0		Δ	887-404	SP 760
12		0	✓						5.0				Δ		
13		0	✓						5.0	-5.0		1599.0	π	887-404	
14		36	90	19	55				5.5	-5.7		1598.3		TS1	
15		476	✓						5.6	-5.6		1598.4		TS2	
16		316	✓						5.4	-5.4		1598.6		TS3	
17		1356	✓						9.0	-9.0		1595.0		TS4	
18		1796	✓						10.0	-9.9		1594.1	0	TS5	
19															
20		1760	89	17	41				15.0	-6.7	1587.3		Δ		

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### STADIA SURVEY NOTES

AREA KILLIK RIVER STATE or PROVINCE Alaska PAGE No. 20  
 LINE No.(s) 37X PARTY No. 1173 DATE 26 Day 4 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR F O'Brien RODMAN K Barr WEATHER: Fog P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2		1320	89	15	45				1500	+2.0		1589.4		TS 6	
3		880	89	16	00				1500	-3.7		1583.6		TS 7	
4		440	✓						3.2	-3.2		1584.1		TS 8	
5		0	✓						5.0	-5.0		1582.3	π	TS 9	
6		440	✓						8.9	-8.9		1578.4		TS 10	
7		880	✓						12.2	-12.2		1575.2		TS 11	
8		1320	90	02	51				1500	-16.1		1571.5		TS 12	
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

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