

STADIA SURVEY NOTES

AREA Ikpikpuk - Key Creek STATE or PROVINCE North Slope, Alaska PAGE No. 1
 LINE No.(s) KD-98 PARTY No. 1182 DATE 7 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR H.R. Allen RODMAN T. Van Allen 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.		
													171-8	
1														Intersection
2														Sp 91 for Elev.
3	N	860	-								176. ¹⁹		17	L-98-Common to 91-L-97
4	"	2180	-	90°06'	33"						157.8		16	Pipe at int.
5	"	3500	-	90°01'	36"						160. ⁵		15	LINE INT.
6	X	0									170. ⁴⁹	0	17+	SP. 17+08-98
7	Sp 17+860			90°09'	27"			90°09'22"						860 SP. 91+00-97
8	Sp 14+165	4652. ⁵¹		269°50'	34"									176.3
9		Azimuth		0°47'04"							158.28	0	14+165	
10	Sp 14+165			89°51'	14"			89°51'24"						
11	Sp 17+860	4652. ⁵¹		220°08'	26"									
12	X	0												
13	N	165	-											
14	"	1485	-	90°42'	44"						154.		14	
15	"	2805	-	90°19'	13"						131		13	
16	"	4125	-	90°15'	03"						134		12	
17	"	5445	-	90°15'	03"						134		11	
18	"	6765	-	90°11'	53"						131		10	
19	"	8085	-	90°10'	50"						128.125		9	
20	"	9405	-	90°08'	47"						129.130		8	
21	"		-	90°07'	06"						130		7	

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STADIA SURVEY NOTES

AREA Ik pik puk - Kay Creek STATE or PROVINCE North Slope, ALASKA PAGE No. 2
 LINE No. (s) KD-98 PARTY No. 1182 DATE 7 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR A. R. ALLEN RODMAN T. VAN ALLEN 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	N	10.725		90°09'05"	C				21.3				114.112		6	
3	"	12.045		90°08'34"	C				14.3				120		5	
4	"	13.365		90°08'41"	C				14.3				116		4	
5	"	14.685		90°08'36"	C				14.3				113		3	
6	"	16.005		90°08'26"	C				14.3				110.112		2	
7	"	17.325		90°07'52"	C	90°08'00"			14.3				109.112		1	D Pipe
8				269°51'53"	C				14.3						1	R
9	N	0							5.7				158.28	0	14+165	
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA Ikpikpak - Key Creek STATE or PROVINCE North Slope, Alaska PAGE No. 3
 LINE No.(s) KD-98 PARTY No. 1182 DATE 7 Day 4 Mo. 77 Yr. BOOK No.
 SURVEYOR K.R. ALLEN RODMAN T. VANALEN 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															
3	Sp 17+860			90° 06' 53"											
4	Sp 23+825	7880.79		269° 53' 27"											
5		Azimuth		180° 40' 55"											
6	Sp 23+825			89° 54' 23"											
7	Sp 17+860	7880.79		270° 05' 34"											
8	T	0													
9	N	7425		270° 04' 56"											
10	"	6105		89° 59' 26"											
11	"	4785		90° 05' 32"											
12	"	3465		89° 57' 31"											
13	"	2145		90° 05' 53"											
14	"	825		91° 02' 36"											
15	T	0													
16	S	495													
17															
18	Sp 23+825			90° 27' 11"											
19	Sp 25	1814.03		269° 32' 40"											
20		Azimuth		180° 40' 39"											

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STADIA SURVEY NOTES

AREA Ikpikpak - Key Creek STATE or PROVINCE North Slope, ALASKA PAGE No. 4
 LINE No.(s) K.D.-98 PARTY No. 1182 DATE 7 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR K.R. ALLEN RODMAN T. VAN ALLEN WEATHER: CLEAR P.T.S. No. _____

LINE	Bearing of Sight	Stadio 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	S 25° 10'			89° 34' 22"			89° 34' 20"					142.42			25	
2	S 23° 18' 25"	1814.03		270° 25' 43"							5.5					
3	X	0									5.7			Δ		
4	S	1320	-				C				13.6		135		26	
5	"	2640	-				C				4.8		143		27	
6	"	3960		89° 49' 30"			C				14.3		146		28	
7	"	5280		89° 58' 40"			C				14.3		136		29	
8	"	6600		89° 57' 29"			C				14.3		139		30	
9	"	7920		89° 59' 04"			C				14.3		136		31	
10	"	9240		89° 59' 37"			C				14.3		135		32	
11	"	10,560		89° 59' 58"			C				14.3		134		33	
12	"	11,880		89° 57' 38"			C				14.5		142		34	
13	"	13,200		89° 56' 19"			C				14.3		148		35	
14	"	14,520		89° 56' 51"			C				21.3		140		36	
15	"	15,840		89° 58' 00"			C				21.3		136		37	
16	"	17,160		89° 55' 47"			C				14.3		155		38	
17																
18	S 25° 10'			89° 57' 13"			89° 57' 17"									
19	S 28° 16' 5"	17,315.73		270° 02' 39"							5.5					
20	Azimuth			209° 24' 07"								161.31	○	38+165	168.7	

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STADIA SURVEY NOTES

AREA Ikpikpak - Key Creek STATE or PROVINCE North Slope, Alaska PAGE No. 5
 LINE No.(s) 4D-98 PARTY No. 1182 DATE 7 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR H. R. ALLEN RODMAN T. VAN ALLEN 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												161.31	⊙	38+165	
2	Sp 38+165			90°04'52" } 269°55'18" }		90°04'47"									
3	to Sp 25	14.315 ⁷³						5.5							
4															
5	N	330	-			C		4.7			166.01		Δ		7.8
6	T	0						5.5			160.51		⊙	38+495	160
7															
8	Sp 38+495			90°03'39" } 269°56'13" }		90°03'43"									
9	to TP-50	8740.04													
10		Azimuth		278°05'41"							152.73		⊙	TP-50	160.3
11	TP-50-to-			89°57'32" } 270°02'21" }		89°57'36"									
12	Sp 38+495	8740.04													
13															
14	T	0						5.5			158.23		Δ		164.0
15	N	1030.	-			C		1.9			156.33		⊙		TRI. STA. JUNE
16															ELEV. 164.0
17															156.33
18															TIE - 7.67
19															
20															

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AREA Ikpiqpak - Key Creek STATE or PROVINCE North Slope, Alaska PAGE No. 6
 LINE No.(s) KD-98 PARTY No. 1182 DATE 7 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR K.P. ALLEN RODMAN T. VAN ALLEN 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															
3	N	1030	-												
4	K	0													
5															
6	TP-50-to														
7	Sp 38+495	8740. ⁰⁴													
8		azimuth													
9	Sp 38+495														
10	-to-TP-50	8740. ⁰⁴													
11															
12	K		0												
13	N	330	-												
14															
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA Ikpikpak - Key Creek STATE or PROVINCE North Slope, ALASKA PAGE No. 7
 LINE No.(s) KD-98 PARTY No. 1182 DATE 7 Day 4 Mo. 77 Yr. BOOK No.
 SURVEYOR K. R. ALLEN RODMAN T. VAN ALEN 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												168.98	⊙	38+165	
2															
3															
4															
5	N	0											Δ		
6	S	1155		90°27' 54"		C						151		39	
7	"	2475		89°57' 30"		C						162		40	
8	"	3795		90°03' 56"		C						149		41	
9	"	5115		90°02' 38"		C						150		42	
10	"	6435		90°05' 24"		C						144		43	
11	"	7755		90°05' 30"		C						148		44	
12															
13	Sp 38+165			90°07' 48"			90°07'42"								
14	to Sp 45	9070.14		269°52' 25"				5.5							
15	Azimuth			269°36' 48"								149.98	⊙	45 151.1	
16	Sp 45 - to -			89°53' 24"			89°53'18"								
17	Sp 38+165	9070.14		270°06' 48"				5.5							
18															
19															
20															

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STADIA SURVEY NOTES

AREA Ikpikpak - Key Creek STATE or PROVINCE North Slope, Alaska PAGE No. 8
 LINE No.(s) KD-98 PARTY No. 1182 DATE 7 Day 4 Mo. 77 Yr. BOOK No.
 SURVEYOR K. R. ALLEN RODMAN T. VanAllen 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												149.98		45	
2	Sp 45-to-			89°36' 23"	}										
3	Sp 58-	17150. ⁸¹		270°23' 39"						5.5					
4		Azimuth		201°54' 30"	}							268.47	0	58	270.7
5	Sp 58-to-			90°24' 00"					90° 23'53"	5.5					
6	Sp 45	17150. ⁸¹		269°36' 14"											
7															
8	T	0							5.7						Δ
9	N	15,840		90°21' 12"		C			14.3			162		46	
10	"	14,520		90°24' 01"		C			14.3			158		47	
11	"	13,260		90°26' 53"		C			14.3			157		48	
12	"	11,880		90°30' 15"		C			14.3			155		49	
13	"	10,560		90°34' 08"		C			14.3			155		50	
14	"	9,240		90°38' 48"		C			14.3			156		51	
15	"	7,920		90°44' 41"		C			14.3			157		52	
16	"	6,600		90°53' 25"		C			14.3			157		53	
17	"	5,280		90°58' 46"		C			23.9			160		54	
18	"	3,960		90°57' 52"		C			23.6			184		55	
19	"	2,640		Refer to page #13 for shot								188		56	
20	"	1,320		90°38' 54"		C			22.1			237		57	

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STADIA SURVEY NOTES

AREA Ikpikpak - Key Creek STATE or PROVINCE North Slope, ALASKA PAGE No. 9
 LINE No.(s) KD-98 PARTY No. 1182 DATE 7 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR K. R. ALLEN RODMAN T. VAN ALLEN WEATHER: HAZE 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														
2	N	1155		90°45'26"	C			14.3			245		57165 Pin	
3	"	825		90°09'45"	C			14.3			258		57495 Pin	
4	∩	0						5.7			268.47		58	
5	S	1320	-		C			11.4			263		59	
6	"	2640	-		C			14.8			259		60	
7														
8	Sp 58-to-			90°11'31"	}	90°11'24"								
9	Sp 61	3957.88		269°48'44"				5.5						
10	Azimuth			201°53'20"							255.44	0	61 257.9	
11	Sp 61-to-			89°48'55"	}	89°48'46"								
12	Sp 58	3957.88		270°11'12"										
13														
14	∩	0						5.7						
15	S	1320	-		C			21.5			240		62	
16	"	2640									201		63	
17	"	3960									196		64	
18	"	5280									196		65	
19	"	6600		90°04'23"	C			14.3			238		66	
20	"	7920		89°58'04"	C			14.3			251		67	

Refer to page #13 for shots

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STADIA SURVEY NOTES

AREA Ihpihpuk - Key Creek STATE or PROVINCE North Slope, Alaska PAGE No. 10
 LINE No.(s) KD-98 PARTY No. 1182 DATE 8 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR R. B. Allen RODMAN T. Van Allen 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	S	9240		89°54'02"		C			14.3			263			68	
3	S	10,560		89°53'41"		C			14.3			266			69	
4	Sp 61-to-			89°57'56" }			89°57'57"									
5	Sp 70	11,873. ⁶⁴		270°02'02" }					5.5							
6		Azimuth		196°52'59"								264. ⁵⁴	0	70	267.7	
7	Sp 70-to-			90°03'10" }			90°03'13"									
8	Sp 61	11,873. ⁶⁴		269°56'45" }					5.5							
9																
10	N	0							5.7				Δ			
11	S	1320	-			C			13.2			257			71	
12																
13	Sp 70-to-			90°03'15" }			90°03'17"									
14	Sp 78+1155	11,708. ⁶⁴		269°56'41" }					5.5							
15		Azimuth		196°51'49"								255. ⁰³	0	78+1155		
16	Sp 78+1155			89°57'39" }			89°57'42"									
17	Sp 70	11,708. ⁶⁴		270°02'16" }					5.5							
18																
19																
20																

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STADIA SURVEY NOTES

AREA Ikpikpak - Key Creek STATE or PROVINCE North Slope, ALASKA PAGE No. 11
 LINE No.(s) KD-98 PARTY No. 1182 DATE 8 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR K. B. Allen RODMAN T. VAN ALLEN WEATHER: 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																	
2																	
3																	
4	\backslash	0										262.5		Δ			
5	S	9240		89°58'	32"	C						254				78	
6	"	7920		90°01'	49"	C						245				77	
7	"	6600		90°21'	01"	C						209				76	
8	"	5280		90°34'	50"	C						183				75	
9	"	3960		90°38'	50"	C						204				74	
10	"	2640		90°56'	58"	C						205				73	
11	"	1320		91°51'	51"	C						205				72	
12	S	390		96°19'	24"	C						206					on line at base of cliff
13	\backslash	0										257		\odot		71	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

STADIA SURVEY NOTES

AREA Ikpikpak - Key Creek STATE or PROVINCE North Slope, Alaska PAGE No. 12
 LINE No.(s) KD-98 PARTY No. 1182 DATE 8 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR R.B. ALLEN RODMAN T. VAN ALLEN 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												255.03		78x1155	
2	N	0							5.5						
3	S	16.5	-			C			13.2			247		79	pipe
4	"	330		92°05'	52"	C			14.3			234		TAIL Group #1	
5	"	990		92°21'	53"	C			14.3			205			3
6	"	1650		92°12'	19"	C			14.3			183			5
7	"	2310		91°02'	57"	C			14.3			204			7
8	"	2970		91°14'	21"	C			22.5			174			9
9															
10	Sp 78x1155			89°57'	31" } 89°57'34"										
11	to Sp 70	11708.64		270°02'	35" }				5.5						
12	Azimuth			16°51'	49"							264.77	0	70	
13	Sp 70-to-			90°03'	15" } 90°03'17"										
14	Sp 78x1155-	11708.64		269°56'	41" }				5.5						
15															
16	Sp 70-to-			89°55'	31" } 89°55'38"										
17	to TITA	7103.52		270°04'	15" }				5.5						
18												274.41	0	TITA ELEV. 278.0°	
19	to TITA			90°04'	55" } 90°04'58"										274.41
20	to Sp 70	7103.52		269°55'	00" }				5.5						TIE -3.59

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STADIA SURVEY NOTES

AREA Ikpikpak - Key Creek STATE or PROVINCE North Slope, ALASKA PAGE No. 13
 LINE No.(s) KD-98 PARTY No. 1182 DATE 8 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR R. R. ALLEN RODMAN T. VAN ALLEN 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													237			57	
3	K	0										242.7		Δ			
4	N	1320		91°45'	06"	C							188.1			56	
5	K	0											237	○		57	
6																	
7																	
8																	
9																	
10	K	0											238			66	
11	K	0											243.7	Δ			
12	N	3960		90°24'	58"	C							201			63	
13	"	2640		90°43'	17"	C							196			64	
14	"	1320		91°10'	45"	C							196			65	
15	K	0											238	○		66	
16																	
17																	
18																	
19																	
20																	

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