

STADIA SURVEY NOTES

AREA Kuk River STATE or PROVINCE North Slope, ALASKA PAGE No. 1
 LINE No.(s) 5 PARTY No. 1182 DATE 8 Day 2 Mo. 77 Yr. BOOK No. _____
 SURVEYOR R. E. ALLEN RODMAN T. VANALEN WEATHER: _____ 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				Refer to line #3, Page 6												
2																
3	E	5445		90°31' 15"		C			8.0	+12 [±]	79.3		36.9		116	INT. LINES 3 & 5
4	"	"		269°56' 42"		C			"							D
5	"	4125		90°12' 48"		C			"	-23.0			26.5		117	Notes worked
6	"	2805		90°23' 15"		"			"	-26.8			22.7		118	with SR-52
7	"	1485		90°33' 39"		"			"	-22.5			27.0		119	Program
8	E	165		90°48' 18"		"			"	-10.3			39.1		120	Stadia Elev. with
9	W	1155		89°39' 04"		"			"	-7.1			42.1	4.8	121	Curvature &
10	"	2475		89°55' 36"		"			"	-4.7			44.8		122	Refraction Cor-
11	"	3795		89°55' 21"		"			"	-2.2			46.9	0	123	rections
12																
13	E	1815		90°06' 30"		C			13.5	+16 [±]	63.6					
14	"	"		269°54' 16"		"			"							
15	"	495		89°27' 53"		C			8.0	-3.4			60.2		124	
16	N	0							5.6	-5.6			58.0		124+	495
17	W	825		91°16' 17"		C			8.0	-26.3			37.3		125	
18	"	2145		90°37' 19"		"			"	-31.2			32.4		126	
19	"	3465		90°36' 11"		C			8.0	-43.2			19.7	0	127	D
20	"	"		269°24' 21"		"			"							R

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STADIA SURVEY NOTES

AREA Kuk River STATE or PROVINCE North Slope, ALASKA PAGE No. 2
 LINE No.(s) 5 PARTY No. 1182 DATE 9 Day 2 Mo. 77 Yr. BOOK No. _____
 SURVEYOR R.R. ALLEN RODMAN T. VAN ALLEN 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.		
1											19.7			
2	E	3960		89°50' 06"	C			8.0	-4.1	15.5		Δ D		
3	"	"		270°10' 35"	"			"				R		
4	"	2640		89°56' 55"	"			11.0	-8.5		7.0	128		
5	"	1320		90°03' 16"	"			"	-12.2		3.3	129		
6	N	0						5.6	-5.6		9.9	130		
7	W	1320		89°53' 20"	C			8.0	-5.4		10.1	131		
8	"	2640		89°16' 14"	C			13.5	+20.5		36.0	132	Δ	
9	"	"		270°44' 22"	"			"					R	
10	E	2475		90°09' 48"				14.0	+20.9	56.9		Δ		
11	"	"		269°50' 16"				"						
12	"	1320	-		C			8.4	-8.4		48.5	PIN #4		
13	N	0						6.1	-6.1		50.8	" 8		
14	W	1320	-		C			5.8	-5.8		51.1	12		
15	"	2640	-		C			12.2	-12.1		44.8	16		
16	"	3960		90°03' 22"	C			12.0	-15.5		41.4	20		
17	"	5280		90°03' 22"	C			12.2	-16.7		40.2	24		
18		0						-6.1	-6.1		50.8	○ PIN #8		
19														
20														

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STADIA SURVEY NOTES

AREA Kuk River STATE or PROVINCE North Slope, ALASKA PAGE No. 3
 LINE No.(s) 5 PARTY No. 1182 DATE 9 Day 2 Mo. 77 Yr. BOOK No. _____
 SURVEYOR K.R. ALLEN RODMAN T. VANALIEN WEATHER: _____ 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.			
1															
2	$P_{in} = 8$	14190		$89^{\circ}58'19''$	} $89^{\circ}58'18''$				5.2						
3	124+165			$270^{\circ}02'01''$											
4											62.2	0	-	124+165	
5	124+165	14190		$90^{\circ}04'14''$	} $90^{\circ}03'50''$				5.0						
6	$P_{in} = 8$			$269^{\circ}56'35''$											
7															
8	124+165	10,725		$90^{\circ}07'55''$	} $90^{\circ}07'44''$				8.2	6.0			Δ	-124+165	
9	116			$269^{\circ}52'27''$											
10											38.65	0		124+165 116	
11	116	10,725		$89^{\circ}52'55''$	} $89^{\circ}52'38''$				4.5	5.2				REF-TO PAGE-1 LINE	
12	124+165			$270^{\circ}07'42''$											E - Elev. 36.9
13														38.6	
14														+ 1.7	
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA Kuk River STATE or PROVINCE North Slope, Alaska PAGE No. 4
 LINE No.(s) KD-5 PARTY No. 1182 DATE 9 Day 2 Mo. 77 Yr. BOOK No. _____
 SURVEYOR K.R. Allen RODMAN T. VAN ALLEN WEATHER: _____ 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.			
1					Refer to		Line # 5,	Page 1							
2															
3											36.9		116	Int. Lines 3 & 5	
4	N	0							+55	42.4		Δ			
5	E	1320		89°32' 03"	C				+72		49.5	0	115		
6	"	"		270°28' 24"	"								R		
7	W	3960		89°39' 22"	"				-145	35.0		Δ			
8	"	"		270°21' 17"	"										
9	"	2640		89°39' 30"	"				-9.2		25.8		114	38 GRAVITY	
10	"	1320	-		T	6.3	16.6	+0.6	+0.6		35.6		113		
11	N	0						5.6	-5.6		29.4		112		
12	E	1320		90°13' 15"	C			12.0	-17.1		17.9		111		
13	"	2640		90°28' 36"	"			"	-33.8		1.2		110		
14	"	3960		90°22' 04"	C			10.0	-34.8		0.2	0	109	D	
15	"	"		269°38' 23"	"			"					R		
16	W	2640		90°56' 07"	C			10.0	+52.1	32.8		Δ		D	
17	"	"		269°04' 32"	"			"					R		
18	"	1320		91°45' 56"	C			12.0	-51.8		1.0		108		
19	"	330		92°25' 46"	C			3.0	-17.0		35.9				
20	N	0						5.6			47.2		107		

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STADIA SURVEY NOTES

AREA Kuk River STATE or PROVINCE North Slope, Alaska PAGE No. 5
 LINE No.(s) 5 PARTY No. 1182 DATE 9 Day 2 Mo. 77 Yr. BOOK No. _____
 SURVEYOR R.R. ALLEN RODMAN T. VANALEN 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	Correction			Center Hair	INST.		
1											52.8			
2	E	1320		89°32' 46"	C			6.0	+4.5		57.3	106	D	
3	"	"		270°27' 22"	"			"					R	
4	W	3960		89°45' 01"	C			10.0	-8.2	49.2		107	D	
5	"	"		270°15' 50"	"			"					R	
6	"	2640		89°50' 56"	"			12.0	-4.9		44.3	105		
7	"	1320		" "	C			7.5	-4.0		45.2	104		
8	X	0						3.4	-5.6		43.6	103		
9	E	1320		89°37' 51"	C			5.0	+3.5		52.8	102		
10	"	2640		" "	C			7.4	+9.8		59.0	101		
11	"	3960		89°40' 35"	C			14.0	+9.0		58.2	100	D	
12	"	"		270°19' 53"	"			"					R	
13	W	3960		89°28' 18"	C			12.0	-25.2	33.0		108	D	
14	"	"		270°32' 20"	"			"					R	
15	"	2640		89°28' 20"	C			3.4	+21.1		54.0	99		
16	"	1320		" "	C			8.2	+4.0		37.0	98		
17	"	0		" "	C			-5.7	-5.7		27.3	97		
18	E	1320		90°48' 37"	C			14.0	-32.6		0.3	96		
19	"	2640		90°29' 41"	C			10.0	-32.6		0.3	95		
20														

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AREA Kuk River STATE or PROVINCE North Slope, ALASKA PAGE No. 6
 LINE No.(s) 5 PARTY No. 1182 DATE 9 Day 2 Mo. 77 Yr. BOOK No. _____
 SURVEYOR K.R. ALLEN RODMAN T. VAN ALLEN WEATHER: _____ 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												33.0				
2	E	3960		90°22' 22"		C			8.0	-33.2		-0.2	D	94	D	
3	"	"		269°38' 00"					"						R	
4	W	3960	-			C			6.5	+6.0	3.8		A		D	
5	"	"	-			C			6.2						R	
6	"	2640	-			C			-6.2	-6.1		-0.3		93		
7	"	1320	-			C			-6.4	-6.4		-0.6		92		
8	X	0							6.1	-6.1		-0.3		91		
9	E	1320	-			C			-6.3	-6.3		-0.5		90		
10	"	2640	-			C			-6.3	-6.2		-0.4		89		
11	"	3465	-			C			0.2	-0.2		-5.6		88	R	
12	"	3960		89°23' 24"		C			5.0	+37.2		43.5	D	88	D	
13	"	"		270°37' 00"		"			"						R	
14	W	3960		90°23' 12"		C			14.0	+39.2	183.3		A		D	
15	"	"		269°37' 45"					"						R	
16	"	2640		90°23' 12"		C			14.3	-32.0		51.4		87		
17	"	1320		90°24' 19"		C			13.2	-22.5		60.8		86		
18	X	0							5.8	-5.8		77.5		85		
19		1320		89°51' 36"		C			5.0	-1.7		81.6		84		
20																

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AREA Kuk River STATE or PROVINCE North Slope, Alaska PAGE No. 7
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 SURVEYOR R.R. ALLEN RODMAN T. VAN ALLEN WEATHER: _____ 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												83.3				
2	E	2640		89°51' 36"	C			12.8		-6.2		77.1		83		
3	"	3960		89°55' 25"	C			14.0		-8.3		75.0	D	82	D	
4	"	"		270°04' 48"	"			"							B	
5	W	3960		90°00' 26"	C			10.0		+9.3	84.7		A			
6	"	"		270°04' 19"	"			"								
7	"	2640	-		C			7.5		-7.4		77.3		81		
8	"	1320	-		C			5.2		-5.2		79.5		80		
9	X	0						5.5		-5.5		79.2		79		
10	E	1320	-		C			8.9		-8.9		75.8		78		
11	"	2640	-		C			-2.7		-2.6		82.1		77		
12	"	3960		89°53' 02"	C			6.0		+2.5		87.2	O	76	D	
13	"	"		270°07' 12"	"			"							R	
14	W	3960		89°49' 40"	C			8.0		-4.5	82.7		A		D	
15	"	"		270°10' 50"	"			"							R	
16	"	2640		89°49' 36"	C			15.0		-6.9		75.8		75		
17	"	1320		89°41' 54"	C			5.0		-2.0		80.7		74		
18	"	0						-5.5		-5.5		77.2		73		
19	E	1320		89°21' 45"	C			15.0		-0.1		82.6	O	72	D	
20	"	"		270°38' 56"	"			"							R	

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STADIA SURVEY NOTES

AREA Kuk River STATE or PROVINCE North Slope, ALASKA. PAGE No. 8
 LINE No.(s) RD-5 PARTY No. 1182 DATE 10 Day 2 Mo. 77 Yr. BOOK No. _____
 SURVEYOR R.R. ALLEN RODMAN T. VAN ALLEN 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												82.6		72	
2	W	1320		89°35' 55"		C			8.0	-1.3	81.3		Δ	D	
3	"			270°24' 11"					"					R	
4		0							5.6	-5.6		75.7		71	
5	E	1320		90°00' 18"		C			8.0	-8.1		73.2		70	
6	"	2640		90°01' 38"		"			"	-9.1		72.2		69	
7	"	3960		90°02' 04"		C			8.0	-9.9		71.4	0	68	D
8	"	"		269°58' 15"		"			"					R	
9	W	3960		89°55' 09"		C			9.2	+3.4	74.8		Δ	D	
10	"	"		270°04' 21"		"			"					R	
11	"	2640	-			C			-2.3	-2.1		72.7		67	
12	"	1320	-			C			-4.0	-4.0		70.8		66	
13		0							-5.0	-5.0		69.8		65	
14	E	1320	-			C			-10.0	-10.0		64.8		64	
15	"	2640		90°02' 43"		C			5.3	-7.1		67.7	0	63	D
16	"	"		269°57' 45"		"			"					R	
17	W	3465		89°55' 14"		C			5.3	-0.2	67.6		Δ	D	
18	"	"		270°05' 33"		"			"					R	
19	"	2145		90°13' 17"		C			-9.0	-17.2		50.4		62	
20	"	825		" " "		C			-5.3	-8.5		59.1		61	

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STADIA SURVEY NOTES

AREA Kuk River STATE or PROVINCE North Slope, ALASKA PAGE No. 9
 LINE No.(s) RD-5 PARTY No. 1182 DATE 10 Day 2 Mo. 27 Yr. BOOK No. _____
 SURVEYOR K. R. ALLEN RODMAN T. VAN-ALLEN 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												67.6			Elev. A on 63
2	X	0						5.9		-5.9		61.7		60+	495
3	E	495	-				C	-7.5		-7.5		60.1		60	
4		1815	-				T	14.1	+9.1	-4.9		62.7		59	
5		3135		89°57'	45		C			-10.7		56.9		58	
6		4455		89°52'	41"		C			+4.9		72.5	0	57	D
7		4455		270°07'	45'		"			"					R
8	W	3960		90°02'	09"		C			+7.9		80.4	Δ		D
9	"	"		269°58'	09"		"			"					R
10	"	2640	-				C			-6.0		74.4		56	
11	"	1320	-				C			-7.4		73.0		55	
12		0						5.4				75.0		54	
13	E	1320	-				C			-9.1		71.3		53	
14	"	2640	-				C			-12.1		68.3		52	
15	"	3960	-				C			-11.6		79.9	0	51	→ 68.8
16	"	"					C			11.7					R
17	W	3630		89°24'	53		C			-25.7		42.6	Δ		D
18	"	"		270°35'	48"		"			"					R
19		2310		89°24'	53"		C			+16.7		59.3		50	60.1
20		990	-				C			+4.9		37.7		49+	165

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STADIA SURVEY NOTES

AREA Kuk River STATE or PROVINCE North Slope, Alaska PAGE No. 10
 LINE No.(s) KD-6-5 PARTY No. 1182 DATE 10 Day 2 Mo. 77 Yr. BOOK No. _____
 SURVEYOR K.R. ALLEN RODMAN J. VAN ALLEN WEATHER: _____ 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												42.6				
2	W	825		90°26' 01"		C			14.°	+22.2		22.4		49		
3	X	0							5.7	-5.7		36.9		Pin		
4	E	495	-			C			1.°	-1.°		41.6		48		
5	"	1815		89°32' 55"		C			7.5	+6.9		49.5		47		
6	"	3135		89°26' 32"		C			10.°	+26.2		68.8		46		
7	"	4455		89°27' 03"		C			15.°	+28.1		70.7	⊙	45	D	
8	"	"		270°32' 58"		"			"						R	
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA KUK RIVER STATE or PROVINCE ALASKA PAGE No. 11
 LINE No.(s) KD-5 PARTY No. 1182 DATE 15 Day FEB Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. SWANSON RODMAN T.V. WEATHER: _____ 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												63.5	70.7				
2		3960		89 59 32	-				+13.0	+11.9	82.6			▲	42	ROD ON 45	
3				270 00 52					+13.0					▲	11		
4																	
5		2640		87 04 54					-12.0	+30.5		113.1			44	} CHANGED AFTER GRAVITY RESULTS.	
6		1320		87 02 56					-12.0	+9.9		92.5			43		69
7		00		90°					-5.5	-5.5		77.1			40		71
8		1320		87 03 01					-10.0	+11.9		94.5			41		
9		2640		89 59 18					-5.0	-4.3		78.3			40		
10		3960		89 56 32	+				-15.0	-10.9			0		39		
11				279 03 16					-15.0	-10.8		71.8	0		"		
12				270											11		
13		3960		89 58 54	-				+10.0	+7.9	79.7			▲	36	ROD ON 39	
14				270 01 57					+10.0					▲	11		
15		2640		270 03 44		89 56 16			-10.0	-7.0		72.7			38		
16		1320		270 05 57		89 54 03			-10.0	-7.7		72.0			37		
17		00		90°					-5.5	-5.5		74.2			36	⌈	
18		1320		89 48 32					-10.0	-5.6		74.1			35		
19		2640		98 54 40					-10.0	-5.8		73.9			34		
20				89													

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STADIA SURVEY NOTES

AREA KUK RIVER STATE or PROVINCE ALASKA PAGE No. 12
 LINE No.(s) KD - 5 PARTY No. 1182 DATE 15 Day 2 Mo. 77 Yr. BOOK No. _____
 SURVEYOR J. SWANSON RODMAN T.V. 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.		
1		3960		89 59 53	+				-10.0	-9.7	70.0	0	33	
2				269 59 54	-				-10.0			0		
3														
4		3960		90 05 20	+				+10.0	+15.6	85.6	-	30	ROD ON 33
5				269 55 01					+10.0			Δ	1	
6														
7		2640		269 52 27		90 07 33			-10.0	-15.7	69.9		32	
8		1320		269 46 45		90 13 15			-10.0	-15.1	70.5		31	
9		00		90					-5.2		80.4		30	+
10		1320		90 13 13					-10.0	-15.0	70.6		29	
11		2640		90 09 28					-10.0	-17.1	68.5		28	
12		3960		90 06 49	-				-10.0	-17.3	68.3	0	27	
13		2640		269 53 30					-10.0			0		
14		3960		90 06 03	+				+10.0	+14.2	82.5	Δ	245	ROD ON 27
15		2640		269 54 39					+10.0	+14.0		Δ	245	
16		1320		269 59 53		90 00 07			-10.0	-10.0	72.9		26	
17		00		90					-5.4		77.1		25	+
18		1320		90 06 22					-5.0	-7.4	75.1		24	
19				89 57 06					-10.0				23	
20														

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STADIA SURVEY NOTES

AREA KUK RIVER STATE or PROVINCE ALASKA PAGE No. 13
 LINE No.(s) KD-5 PARTY No. 1182 DATE 15 Day 2 Mo 1977 Yr. BOOK No. _____
 SURVEYOR J. SWANSON RODMAN T.V. 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	Correc-tion	Center Hair			INST.	ROD			
1		2640		89 57 41					-10.0		-8.1	74.9	0	23		
2				270 02 18					-10.0				0			
3									+14.0		+13.2	80.9				
4	1320			89 57 52					10.0			87.6	Δ	22	ROD ON 23	
5				270 02 05					+14.0				Δ	22		
6	00			90					-5.5			82.1		22	X	
7	1320			89 24 32					-10.0		+3.7	91.3		21		
8	2640			89 33 55					-10.0		+10.2	97.8		20		
9	3960			89 35 44					-10.0		+18.5	106.1	0	19		
10				270 24 36					-10.0				0			
11																
12	2640			90 25 44					+10.0		+29.4	135.5	130.0	Δ	17	
13				269 34 53					+10.0					Δ	17	
14	1320			269 31 19		90	28 41		-10.0		-21.0	114.5		18		
15	1320	90		89 52 40					-10.0		-30.2	105.3		16	← ?? DO NOT USE	
16	2640	90		89 06 42					-10.0		-14.9	120.6		15		
17	3960	90		89 06 35					-10.0		-17.2	118.3	0	14		
18				269 53 34					-10.0				0			
19													0			
20													0			

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STADIA SURVEY NOTES

AREA KUK RIVER STATE or PROVINCE ALASKA PAGE No. 14
 LINE No.(s) KD-5 PARTY No. 1182 DATE 15 Day 2 Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. SWANSON RODMAN T.V. WEATHER: _____ 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		3960		89 45 12					+10.0		-7.9	110.4		Δ	11	ROD ON 14
2				270 15 40					+10.0					Δ	11	
3		2640		270 07 14		89 52 46			-10.0		-4.3	106.1			13	
4		1320		270 15 21		89 44 39			-10.0		-4.1	106.3			12	
5		00		90					-5.4		-5.4	105.0			11	π
6		1320		89 56 38					-10.0		-8.7	106.7			10	
7				89 56 48.9					-15.0							
8				270 02 23					-15.0							
9		2640		89 56 30					-15.0		-12.2	98.2			9	
10		3960		89 56 26					-15.0		-10.8	100.1		0	8	
11				270 04 05					-15.0					0	8	
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA KUK RIVER STATE or PROVINCE ALASKA PAGE No. 15
 LINE No.(s) 5 PARTY No. 1182 DATE 15 Day 2 Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. SWANSON RODMAN T. V WEATHER: _____ 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		3960		89 54 27				45.0	+7.9	108.0		Δ	5	ROD ON 8	
2				270 06 08				45.0				Δ	5		
3				270 05 57				15.0					7		
4	2640			270 12 52	89 47 08			-15.0	-5.0	103.0			7		
5	1320			270 12 11	89 47 49			-70.0	-5.3	102.7			6		
6	00			90				-5.4	-5.4	102.6			5	X	
7				89 52 50				-10.0					4		
8				89 49 01				-15.0					0	3	
9				270 11 57				-15.0					0		
10	1320			89 51 30				-10.0	-6.7	101.3			0	4	
11				270 08 16				-10.0					0	4	
12	1320			89 51 12				10.0	+6.6	107.9			1	3	
13				270 08 57				10.0					1	3	
14	00			90				-5.3		102.6				3	X
15	1320			89 59 35				-10.0	-9.8	98.1			0	2	
16				270 00 38				-10.0					0	2	
17	1320			89 51 21				10.0	+6.6	104.7			1	1	
18				270 08 44				10.0					1	1	X
19	0			90				-6.0		98.7			1	1	
20															

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STADIA SURVEY NOTES

AREA KUK RIVER STATE or PROVINCE ALASKA PAGE No. 16
 LINE No.(s) KD-5 PARTY No. 1182 DATE 20 Day FEB Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. SWANSON RODMAN T.V. WEATHER: _____ 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											98.7		SP. 1	SHOT POINT	
2		1155		90 06 25				+100	12.1	+12.1	110.8	105.3	Δ 54	TAIL SPREAD	
3				269 53 43				110.0	12.1				Δ 4		
4				359 59 68											
5															
6		2640		90 11 29				-100	-18.7	-18.6		92.2	0 12		
7				269 48 48				-10.0	18.5				0 12		
8				359 59 77											
9															
10		2640		90 08 17				110.0	+16.2	+16.2	108.4	103.0	Δ 20		
11				269 51 47				110.0	16.2				Δ 20		
12				359 59 64											
13		1320		90 14 22				-10.0	-15.5	-15.4		93.0	0 24		
14				269 45 58				-10.0	15.4				0 24		
15				359 59 80											
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA KUK RIVER STATE or PROVINCE ALASKA PAGE No. 17
 LINE No.(s) KD-5 PARTY No. 1182 DATE 20 Day FEB Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. SWANSON RODMAN T.V WEATHER: _____ 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															247.9	
2		1320		90 15 35				+10.0	15.9	+15.5	108.5		Δ	20	TAIL	
3				269 46 45				+10.0	15.1				Δ	20		
4				<u>360 02 20</u>												
5		(1320)														
6		2640		90 12 20				-10.0	-14.7		93.7			16		
7		2640		90 08 12				-10.0	-16.2	-16.0	92.5	0	0	12		
8				<u>269 52 14</u>				-10.0	15.8				0	12		
9				<u>360 00 26</u>												
10																
11		2640		90 05 08				+15	+18.8	+18.4	110.9		Δ	4		
12				<u>269 55 57</u>				+15	+18.0				Δ	4		
13				<u>360 00 65</u>												
14		(1320)		90 15 41				-10.0		-16.0	94.9			8		
15				90 06 11				-10.0	-12.0	-12.1	98.8	0	0	91		
16		1155		<u>269 53 44</u>				-100	-12.1				0			
17				<u>359 59 55</u>												
18																
19																
20																

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STADIA SURVEY NOTES

AREA KUK RIVER STATE or PROVINCE ALASKA PAGE No. 18
 LINE No.(s) K-D-5 PARTY No. 1182 DATE 20 Day FEB Mo. 1977 yr. BOOK No. _____
 SURVEYOR J. SWANSON RODMAN T. VANALEN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																SP1
2		2805	90	05	26			+7.6	+11.9	+11.6	110.4		Δ		SP3-1	
3			269	55	15			+7.6	+11.3				Δ			
4			360	00	41											
5		3300	89	58	22			-5.9	-4.1	-3.8	106.6		0		SP5-3	
6			270	02	12			-5.9	-3.6				0			
7																
8		3630	89	58	18			+5.9	+3.8	+3.2	109.8		Δ		SP8-2	
9			270	02	50			+5.9	2.6				Δ			
10																
11			89	57	38											
12			270	02	48											
13																
14		3465	89	58	48			-5.9	-4.4	-4.4	105.4		0		SP11	
15			270	01	14			-5.9	-4.4				0			
16			359	59	62											
17		00'	90°	00	00			+5.8		+5.8	111.2		Δ		SP11 T	
18																
19		3960	89	48	38			-5.9	+7.5	8.5	118.7		0		SP14	
20			270	12	59			-5.9					0			

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STADIA SURVEY NOTES

AREA KUK RIVER STATE or PROVINCE ALASKA PAGE No. 19
 LINE No.(s) KD 5 TO 8 PARTY No. 1132 DATE 20 Day FEB Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. SWANSON RODMAN T.V. 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.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read TOP	Reading	Correc-tion			Center Hair	INST.			
1		3960	90 09 53					+5.9	+17.0	+16.9	135.6		Δ	17	BEND
2			269 50 15					+5.9	+16.8				Δ		
3			359 59 68												
4		5280	90 25 25					-5.9	-44.4	-44.0		91.5	0	21	
5			269 34 59					-5.9	-43.7				0		
6			359 59 84												
7															
8		00	90 00 00					+5.5					Δ		T ON 21
9			90 09 27					-5.9					0		
10			269 50 56					-5.9					0		
11															
12		935/1470	89 32 38				TOP	+7.62	-4.1	-4.2	87.4		Δ	T.P.1	ROD ON 21
13			89 22 10					+12.0	-4.2				Δ		
14			270 27 28					+7.6					Δ		
15															
16		880/1760	89 54 50				-15.0	-6.1	-3.4	-3.4		84.0	0	T.P.2	
17			89 43 16					-12.0					0		
18			270 05 12					-6.1	-3.4				0		
19															
20															

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STADIA SURVEY NOTES

AREA KUK RIVER STATE or PROVINCE ALASKA PAGE No. 20
 LINE No.(s) NO 5 TO 8 PARTY No. 1132 DATE 20 Day FEB Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. SWANSON RODMAN T. V. WEATHER: _____ 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 TOP	Reading	Correc-tion			Center Hair	INST.			
1		<u>060</u> <u>1120</u>		<u>89 39 33</u>		<u>+15.0</u>		<u>+5.35</u>	<u>-6.1</u>	<u>-6.2</u>	<u>77.8</u>		<u>Δ</u>	<u>T.P.3</u>	
2				<u>89 27 44</u>		<u>+15.0</u>		<u>+12.0</u>					<u>Δ</u>		
3				<u>270 20 48</u>				<u>+5.4</u>	<u>-6.3</u>				<u>Δ</u>		
4															
5		<u>1020</u> <u>2040</u>		<u>89 54 03</u>		<u>+15.0</u>		<u>-4.8</u>	<u>-1.2</u>	<u>-1.1</u>		<u>76.7</u>	<u>0</u>	<u>T.P.4</u>	
6				<u>89 45 09</u>				<u>-10.0</u>					<u>0</u>		
7				<u>270 06 08</u>				<u>-4.8</u>	<u>-1.1</u>				<u>0</u>		
8															
9		<u>1150</u> <u>2300</u>		<u>90 00 31</u>		<u>+15.0</u>		<u>+3.5</u>					<u>Δ</u>	<u>T.P.5</u>	
10				<u>89 53 52</u>		<u>+15.0</u>		<u>+3.5</u>	<u>-0.7</u>	<u>-0.8</u>	<u>75.8</u>		<u>Δ</u>		
11				<u>89 44 06</u>				<u>+10.0</u>					<u>Δ</u>		
12				<u>270 06 33</u>				<u>+3.5</u>	<u>-1.0</u>						
13		<u>1245</u> <u>2490</u>		<u>90 12 40</u>		<u>+15.0</u>		<u>-2.4</u>	<u>-11.4</u>	<u>-11.4</u>		<u>64.5</u>	<u>0</u>	<u>T.P.6</u>	
14				<u>90 02 07</u>				<u>-10.0</u>					<u>0</u>		
15				<u>269 47 31</u>				<u>-2.4</u>	<u>-11.3</u>				<u>0</u>		
16															
17		<u>1065</u> <u>2130</u>		<u>90 03 54</u>		<u>+15.0</u>		<u>+4.3</u>	<u>+6.6</u>	<u>+6.4</u>	<u>70.9</u>		<u>Δ</u>	<u>T.P.7</u>	
18				<u>89 54 48</u>				<u>+10.0</u>					<u>Δ</u>		
19				<u>269 56 43</u>				<u>+4.3</u>	<u>+6.2</u>				<u>Δ</u>		
20															

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LINE 5

STADIA SURVEY NOTES

AREA KUK RIVER STATE or PROVINCE ALASKA PAGE No. 21
 LINE No.(s) LINE 5 TO 8 PARTY No. 1132 DATE 20 Day FEB Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. SWANSON RODMAN T. V. 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	Correc-tion			Center Hair	INST.			
1	1290	1440		90 05 47		15.0		-2.2	-6.4	-6.5	64.4	0	T.P. 8		
2	2580	2980		89 55 35				-10.0				0			
3				269 53 52				-2.2	-6.7			0			
4															
5		1115		90 15 22		+15.0		+3.9	+13.8	+13.6	78.0		Δ	T.P. 9	
6		2230		90 05 53				+10.0					Δ		
7				269 45 02				13.9	+13.5				Δ		
8															
9		790		90°				4.3				0	S.P. 39	LINE 8	
10								-3.1			74.9	0			
11				270° 00				-3.1				0			
12															
13											77.6		SP 3	SEE LINE 8	
14														P. 6. 12	
15											2.7				
16															
17															
18															
19															
20															

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