

**STADIA SURVEY NOTES**

AREA Tuk River STATE or PROVINCE North Slope, Alaska PAGE No. 1  
 LINE No.(s) 4 PARTY No. 1182 DATE 31 Day 1 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR K.R. ALLEN RODMAN T.R. VANALEN 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD		
1				Recipacal Angles											
2															
3															
4	Δ Lindy	13428.29	90	89°55'52"	}	89°55'53"		5 2						D	
5	Δ TARIN	"	"	270°04'06"				"							
6															
7															
8															
9	Δ TARIN	13428.29	90	90°00'34"	}	90°00'49"		4 2						D	
10	Δ Lindy			269°58'55"				"							
11															
12															
13															
14	Δ TARIN	16171.84		90°05'55"	}	90°05'54"		5 2						D	
15	Gp 12 TS			269°54'08"				"							
16															
17															
18															
19	Gp 12 TS	16171.84		89°46'51"	+19"	89°47'10"		5 2						D	
20	Δ TARIN			270°12'31"				"						R	

TI-588B

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CHECKED BY 1st \_\_\_\_\_

2nd \_\_\_\_\_

### STADIA SURVEY NOTES

AREA: Kuk River STATE or PROVINCE: North Slope, ALASKA PAGE No. 2  
 LINE No.(s): 4 PARTY No. 1182 DATE: 31 Day 1 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR: R.B. ALLEN RODMAN: Tom Van Allen WEATHER: Foggy 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															NOTES ARE WORKED
4	E	1980		90°02'30"					5.0	+6.4	68.8	62.4	Δ	T-12	with SR-52
5	"	660		90°34'55"					"	-11.7		57.1	-	T-16	Program-Stadia Elev.
6	K	0							"	-5.0		63.8	-	T-18	with CURVATURE &
7		660		90°13'53"					"	-7.7		61.1	-	T-20	REFRACTION corrections
8	W	1980		90°13'47"					"	-12.9		55.9	-	T-24	
9	E	1980		90°02'30"					"	-6.4		62.4	0	T-12	
10	W	2640		90°08'16"					5.0	+11.5	73.9		Δ	D	
11	"			269°50'34"					"					R	
12	"	1320		90°09'42"					"	-8.7		65.2	-	T-16	8
13														T-20	
14	K	0							-5.4	-5.6		68.3	-	T-20	4
15	E	990		90°13'48"					10.0	-14.0		60.0	-	T-1	
16	E	1055		90°22'59"					5.6	-12.6		61.3	-	Sp. 42	
17	E	2475		90°13'00"					5.0	-14.4		59.5	0	Sp. 41	D
18	"			269°46'25"					"					R	
19	W	3960		89°45'56"					5.4	-11.4	48.1		Δ	D	
20	W	"		270°14'51"					"					R	

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**STADIA SURVEY NOTES**

AREA Kuk River STATE or PROVINCE North Slope, Alaska PAGE No. 3  
 LINE No.(s) 4 PARTY No. 1182 DATE 31 Day 1 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR A.R. ALLEN RODMAN Tim YAN ALAN WEATHER: CLEAR - 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												48.1			
2	W	2640		269°55'21"					5.6	-9.0		38.5	-	Sp 40	REVERSED ANGLE
3	"	1320		90°54'50"					"	-26.6		21.5	-	39	
4	N	0							"	-5.6		43.5	-	38	
5	E	1320		89°56'25"					5.0	-3.6		44.5	-	37	
6	"	2640		89°47'57"					10.0	-0.6		47.5	-	36	
7	"	3960		89°55'32"					5.0	+1.1		49.1	0	35	D
8	"	"		270°05'28"					"						R
9															
10	W	2640		90°24'32"					10.0	+28.9		78.0			D
11	"	"		269°34'58"					"						R
12	"	1320		90°29'16"					5.0	-16.2		61.8		34	
13	N	0							-5.0	-5.5		72.5		33	
14	E	1320		89°46'58"					5.0	0.0		78.1		32	
15	"	2640		89°55'00"					5.0	+0.4		78.4	0	31	D
16	"	"		270°06'40"					"						R
17	W	2640		89°16'00"					10.0	-24.1		54.4			D
18	"	"		270°44'20"					"						R
19	"	1320		89°30'10"					5.0	+6.5		60.9		30	
20	N	0							5.0	-5.4		49.0		29	

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**STADIA SURVEY NOTES**

AREA Kuk River STATE or PROVINCE North Slope, ALASKA PAGE No. 4  
 LINE No.(s) 4 PARTY No. 1182 DATE 31 Day 1 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR H. R. ALLEN RODMAN Tom 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.			
1										54.4					
2	E	1320		90°34'18"				5.0	-18.1		36.2		Sp 28		
3	"	2640		70°09'30"				6.0	-13.1		41.3	⊙	27	D	
4	"	"		269°50'45"				"						R	
5	W	3960		90°11'11"				10.0	+23.1	64.4		Δ		D	
6	"	"		269°47'56"				"						R	
7	"	2640		90°16'37"				5.0	-17.6		46.7		26		
8	"	1320		90°24'39"				5.0	-14.4		49.9		25		
9	K	0						5.0	-5.0		59.4		24		
10	E	1320		90°26'48"				6.0	-13.9		50.4		23		
11	"	2640		"				17.0	-32.8		31.5		22		
12	"	3960		90°18'39"				6.0	-26.8		37.6	⊙	21	D	
13	"	"		269°42'05"				"						R	
14	W	2640		90°38'52"				+5.0	+35.0	72.6		Δ		D	
15	"	"		269°02'20"	26"			"						R	
16	"	1320		90°37'09"				5.0	-19.2		53.3		20		
17	K	0						-5.4	-5.4		67.2		19		
18	E	1320		90°40'21"				-5.0	-20.5		52.1		18		
19	"	2640		90°37'28"				5.0	-33.8		38.8	⊙	17	D	
20	"	"		269°21'55"				"	-35.2					R	

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### STADIA SURVEY NOTES

AREA Kuk River STATE or PROVINCE North Slope, Alaska PAGE No. 5  
 LINE No.(s) 4 PARTY No. 1182 DATE 31 Day 1 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR R.R. Allen RODMAN 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												38.8				
2	W	3960		90°17' 32"				15.0		+35.1	73.9		Δ		D	
3	"	"		269°42' 05"				"							R	
4	"	2640		90°17' 32"				5.0		-18.3		55.6		16		
5	"	1320		90°35' 09"				"		-18.5		55.4		15		
6	K	0						-5.3		-5.3		68.6		14		
7	E	1320		90°57' 03"				5.0		-26.9		47.0		13		
8	"	2640		90°21' 20"				14.5		-30.7		43.2		12		
9	"	3960		90°20' 42"				5.0		-28.9		45.0	○	11	D	
10	"	"		269°38' 36"				"							R	
11	W	2640		90°01' 27"				10.0		+11.2	56.2		Δ		D	
12	"	"		269°57' 52"				"							R	
13	"	1320		90°13' 32"				5.0		-10.2		46.0		10		
14	K	0						-5.2		-5.2		51.0		9		
15	E	1320		270°21' 30"				5.0		+3.3		59.5		8		
16	"	2640		89°44' 15"				10.0		+2.1		58.3	○	7	D	
17	"	"		270°15' 20"				"							R	
18	W	2640		89°36' 29"				5.0		-13.1	45.2		Δ		D	
19	"	"		270°23' 13"				"		-13.1					R	
20																

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**STADIA SURVEY NOTES**

AREA Kuk River STATE or PROVINCE North Slope, ALASKA PAGE No. 6  
 LINE No.(s) 4 PARTY No. 1182 DATE 1 Day 2 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR K. R. ALLEN RODMAN 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		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												45.2				
2	W	1320		89°54' 10"				5.0		-2.7		42.5		6		
3	T	0						5.4		-5.4		39.8		5		
4	E	1320		89°54' 32"				5.0		-2.9		42.3		4		
5	"	2640		89°51' 57"				5.0		+1.3		46.5	0	3	D	
6	"	"		270°07' 59"				"							R	
7	W	2640		89°38' 30"				5.0		-11.4	35.1		Δ		D	
8	"	"		270°20' 51"				"							R	
9	"	1320		89°51' 40"				5.0		-1.8		33.3		2		
10	T	0						-5.2		-5.2		29.9		1		
11	E	825		—			C	-8.9		-8.9		26.2				PIN #3
12	E	2475		90°22' 29"				8.8		-24.9		10.2				PIN #8 RIVER
13	E	3795		90°15' 18"				10.0		-26.6		8.5				PIN #12 "
14	E	1107		—			C	-8.9		-8.9		26.2	0	Δ		LACE TRI STA.
15												23.9				ELEV. 23.9
16												+2.3				CLOSURE
17																
18																
19																
20																

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