

**STADIA SURVEY NOTES**

AREA NPR #4 IKPIK PUK - KEY CREEK STATE or PROVINCE ALASKA PAGE No. 1  
 LINE No.(s) 190 PARTY No. 1182 DATE 26 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTIE RODMAN T. VANALEN WEATHER: overcast, windy 25-30 mph,  
whiteout @ +03. 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	Refer to page #10.										169.28		62	L-92	
2	N	0	-												
3	NORTH	2640												SP 64 L-92 / SP 41 L-90	
4	SP 62 TO			90-22-52	90°22'59"									+825 PIPE	
5	SP 64 + 825	3464.04		269-36-55											
6	SP 41 L-90		Az.	113°04'15"							146.42		SP 64 + 825 L-92 / SP 41 L-90		
7	SP 41 L-90	L-92 TO		89-37-32	89°37'37"									Avg. Lat. 69°59'46"	
8	SP 62	3464.04		270-22-19										147.3	
9															
10	N	0	-											BEGIN L-90	
11	EAST	1320		89-45-22	C						143		40		
12	"	2640		89-46-43	C						148		39		
13															
14	SP 64 + 825 L-92	L-90	to	89-48-38	89°48'47"										
15	SP 39-825	3464.04		270-11-05											
16			Az.	109°07'58"							157.93		39	- 825	
17	SP 39-825 TO			90-11-37	90°11'39"									Avg. Lat. 69°59'46"	
18	SP 64 + 825 L-92	L-90		269-48-19										158.7	
19		3464.04													
20	N	0	-												

TI-588B

WORKED BY Kenneth R. Allen

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

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

**STADIA SURVEY NOTES**

NPR #4  
 AREA IKPIPIK - KEY CREEK STATE or PROVINCE ALASKA PAGE No. 2  
 LINE No.(s) 90 PARTY No. 1182 DATE 26 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTIERODMAN T. VAN ALEN WEATHER: SAME 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											157.93	39-825		
2	EAST	495		89-24-55	C			14.3			154	38		
3	"	1815		90-11-45	C			14.3			143	37		
4	"	3135		89-57-43	C			14.3			151	36		
5	"	4455		89-56-34	C			14.3			154	35		
6	"	5775		89-59-59	C			14.3			149	34		
7	"	7095		90-05-14	C			14.3			138	33	BEGAL WORK 4-27-77	
8	"	8415		90-00-44	C			14.3			147	32		
9	"	9735		90-00-52	C			14.3			147	31		
10	"	11055		89-58-27	C			14.3			154	30		
11	"	12375		89-59-14	C			14.3			152	29		
12														
13	SP 29-825 TO			90-01-53		90°02'07"								
14	SP 29	12371.57		269-57-40				5.5						
15			Az.	109°02'49"							154.75	29	Avg Lat. 69°59'46"	
16	SP 29 TO			90-00-11		90°00'21"							155.2	
17	SP 39-825	12371.57		269-59-30				5.5						
18														
19	∩	0	-					5.5					Δ	
20	EAST	1320		90-24-05	C			14.3			137	28		

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CHECKED BY 1st \_\_\_\_\_ 2nd \_\_\_\_\_

**STADIA SURVEY NOTES**

*NPR #4*

AREA IKPIK PUK - KEY CREEK STATE or PROVINCE ALASKA PAGE No. 3  
 LINE No.(s) 90 PARTY No. 1182 DATE 27 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTLE RODMAN T. VAN ALLEN WEATHER: high scattered clouds, sunny, -05° P.T.S. No. \_\_\_\_\_  
windy 15 mph. blowing snow

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												154.75		29	
2	EAST	1320		SEE R2		C			14.3			137		23	
3	"	2640		89-57-07		C			14.3			148		27	
4	"	3960		90-07-00		C			14.3			138		26	
5	"	5280		89-59-24		C			14.3			147		25	
6	"	825		90-40-00		C			22.5			128		29	825 Pin Flag
7	"	6600		89-57-17		C			14.3			151		24	
8	"	7920		89-58-34		C			14.3			149		23	
9	"	9240		90-00-35		C			24.0			135		22	
10															
11	SP 29 to			90-02-41			90°02'56"								
12	SP 23	1917.80		269-56-50					5.5						
13			A2.	109°02'32"								150.41	⊙	23	Avg. Lat. 69°59'46"
14	SP 23 to			89-59-03			89°59'10"								150.6
15	SP 29	1917.80		270-00-43					5.5						
16															
17	TA	0	-						5.5						Δ
18	EAST	2640		90-07-51		C			14.3			136		21	
19	"	3960		90-06-16		C			14.3			134		20	
20	"	5280		90-04-46		C			14.3			134		19	

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WORKED BY Frank W. Wittle

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

**STADIA SURVEY NOTES**

NPR # 4

AREA 1K PIKPUK-KEY CREEK STATE or PROVINCE ALASKA PAGE No. 4  
 LINE No.(s) 90 PARTY No. 1182 DATE 27 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTIE RODMAN T. VAN ALLEN WEATHER: SAME 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												150.41		23		
2	EAST	6600		90-02-28	C			14.3				137		18		
3	"	7920		89-57-21	C			14.3				148		17		
4	"	9240		89-56-27	C			14.3				151		16		
5	"	10560		89-54-41	C			27.2				130		15		
6	"	11880		90-00-29	C			26.7				128		14		
7	"	13200		89-57-38	C			14.3				151		13		
8																
9	SP 23 TO			89-57-41				89°57'51"								
10	SP 13-165	13,361.29		270-01-59				5.5								
11			Ac.	109°02'58"								162.59	⊙		13-165 Avg. Lat. 69°59'46"	
12	SP 13-165 TO			90-03-53				90°04'07"							162.5	TIED TO
13	SP 23	13,361.29		2169-55-39				5.5								
14																
15	▲	0	-					5.5					Δ			
16	EAST	1155		89-46-32	C			14.3				158		12		
17	"	2475		90-18-45	C			14.3				140		11		
18	"	3795		90-04-01	C			14.3				149		10		
19	"	5115		90-00-56	C			14.3				152		9		
20	"	6435		90-09-18	C			14.3				136		8		

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

**STADIA SURVEY NOTES**

NPR # 4  
 AREA IKPIKPUK - KEY CREEK STATE or PROVINCE ALASKA PAGE No. 5  
 LINE No.(s) 90 PARTY No. 1182 DATE 27 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTIE RODMAN T. VAN ALLEN WEATHER: JAME 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												162.59		13-165		
2	EAST	7755		90-07-48	C			14.3				136		7		
3	"	9075		90-08-35	C			14.3				131		6		
4	"	10395		90-07-48	C			14.3				130		5		
5	"	11715		90-01-29	C			14.3				149		4		
6	"	13035		90-01-32	C			14.3				148		3		
7																
8	SP 13-165 TO			90-01-32		90°01'45"										
9	SP 2	14351.02		269-58-02				5.5								
10			Az.	109°04'36"								160.12	⊙	2	159.9	
11	SP 2 TO			90-00-20		90°00'34"										
12	SP 13-165	14351.02		269-57-12				5.5								
13																
14	<del>W</del>	0						5.5						Δ		
15	EAST	1320		90°19'44"	C			5.5				152		1		
16	"	2475		90-02-26	C			14.3				150			Pin FLAG #4	
17	"	3795		89-58-25	C			14.3				153			" #3	
18	"	5115		89-59-51	C			14.3				152			" #12	
19	"	6435		90-03-01	C			14.3				146			" #16	
20	"	7755		89-57-18	C			14.3				157			" #20	

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**STADIA SURVEY NOTES**

AREA Tkpiepuk - Key Creek STATE or PROVINCE North Slope, Alaska PAGE No. 6  
 LINE No.(s) KD-90 PARTY No. 1182 DATE 27 Day 4 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. Wittie 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		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	E	8075		89°59'50"		C			14.3							PIN FLAG #24
3																
4																
5																
6												162.53			13+145	69°59'46"
7																
8	S 13+165			89°50'21"		89°50'21"										
9	to D Gusto	22.898 <sup>77</sup>		270°09'39"					5.5							
10				129°15'44"								228.92				to Gusto USE 1950
11	D Gusto to			90°10'13"		90°10'16"						228.00				ELEV. 228.00 ✓
12	S 13+165	22.898 <sup>77</sup>		269°49'42"					5.5			Mistie + .92				HIGH.
13																
14																
15																
16																
17																
18																
19																
20																

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## STADIA SURVEY NOTES

NPR #4  
 AREA IKPIKPUK - KEY CREEK STATE or PROVINCE ALASKA  
 LINE No.(s) 90 PARTY No. 1182 DATE 28 Day 04 Mo. 77  
 SURVEYOR FRANK W. WITTIERODMAN TIM VAN ALLEN WEATHER: Clear, calm, sunny, -10° P.T.S. 8, 11  
EXCEPT FOR LOW HANGING ICE Fog.

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	$\overline{N}$	0	-												
3	WEST	1320		89-47-00		C						146.22			147.3
4	"	2640		89-52-00		C						143			64+825 LINE 92 SP 41 L-90 PIPE @ P.I.
5	"	3960		89-47-50		C						144			PIPE AT INT.
6	"	5280		89-46-54		C						228			
7												238			
8	SP 41 TO			89-49-00											
9	SP 45+825	6103.31		270-10-55											
10			A2.	288°04'24"											
11	SP 45+825 TO			90-11-26											
12	SP 41	6103.31		269-48-25											
13															
14	$\overline{N}$	0	-												
15	WEST	495		90-53-01		C						171.86			
16	"	1815		90-12-11		C									
17	"	3135		89-58-27		C						142			46
18	"	4455		89-52-02		C						151			47
19	"	5775		SEE		C						159			48
20	"	7095		PAGE		C						168			49
															50
															51

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Human Fuentes

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2nd

STADIA SURVEY NOTES

NPR #4

AREA IKPIKPUK-KEY CREEK STATE or PROVINCE ALASKA PAGE No. 7-A  
 LINE No.(s) 90 PARTY No. 1182 DATE 28 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTIE 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		▲ B.S. OF S.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																45+825
2	West	330		90-30-21		C.			26.7			142				45+1155
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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**STADIA SURVEY NOTES**

NPR #4

AREA IKPIKPUK - KEY CREEK STATE or PROVINCE ALASKA PAGE No. 08  
 LINE No.(s) 90 PARTY No. 1182 DATE 28 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTIE RODMAN TIM VAN ALEN 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																45+825	
2	SP45+825 to			90-00-26		90°00'31"											
3	SP 52	8410.63		269-59-24				5.5									
4			Az.	288°06'24"								166.6	⊙	52		10°00'22"	
5	SP 52 to			90-00-39		90°00'43"											168-1
6	SP45+825	8410.63		269-59-14				5.5									
7																	
8	⌵	0	-					5.5				172.0	Δ				
9	EAST	2640		90-40-53	C			14.3				126		50			
10	"	1320		90-47-39	C			26.9				127		51			
11	"	825		91-13-15	C			26.9				128		51+495			
12	"	495		89-39-35	C			14.3				161		51+825			
13	WEST	1320		90-19-43	C			14.3				150		53			
14	"	2640		90-27-12	C			14.3				137		54			
15	"	3960		90-20-58	C			27.0				117		55			
16	"	5280		90-22-34	C			14.3				124		56			
17	"	6600		90-04-26	C			14.3				150		57			
18	SP52 to			90-03-35		90°03'35"											
19	SP60+495			269-56-25				5.5									159.4
20		14052.01	Az.	288°07'09"								157.46	⊙	60+495		10°00'58"	

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CHECKED BY 1st Harman Fuentis 2nd \_\_\_\_\_

**STADIA SURVEY NOTES**

MPR #4

AREA IKPIK PUK - KEY CREEK STATE or PROVINCE ALASKA PAGE No. 9  
 LINE No.(s) 90 PARTY No. 1182 DATE 28 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTE RODMAN TIM VANALEY WEATHER: Clear, light breeze, sunny + 05° P.T.S. No. \_\_\_\_\_

LINE	Searing 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													157.46		60+495	
2	SP 60+495 to			99-57-46			89-57-54"									
3	SP 52	11052.01		210-01-59												
4																
5	T	0	-										162.96	Δ		
6	EAST	3135		90-26-24		C		14.3					125		58	
7	"	1815		90-46-03		C		14.3					124		59	
8	"	495		92-48-59		C		14.3					124		60	
9	"	330		92-51-25		C		14.3					132		60+165	
10	WEST	825		90-09-27		C		14.3					146		61	
11	"	2145		90-38-16		C		14.3					125		62	
12	"	3465		89-52-24		C		14.3					156		63	
13																
14	SP 60+495 to			90-01-50			90°01'57"									
15	SP 63+165	3628.12		269-57-56				5.5								157.8
16			Az.	287°55'15"									155.76	⊙	63+165	10° 01' 09"
17	SP 63+165 T			89-58-40			89°58'44"									
18	SP 60+495	3628.12		270-01-13				5.5								
19																
20																

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*Harman Funtz*

2nd

STADIA SURVEY NOTES

NPR #4

AREA IKPIK PUK KEY CREEK STATE or PROVINCE ALASKA PAGE No. 10  
 LINE No.(s) 90 PARTY No. 1182 DATE 28 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTIE RODMAN T. VANALEX WEATHER: SAME 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												155 <sup>75</sup>			63+165	
2	$\nabla$	0	-						5.5					$\Delta$		
3	SP 63+165 to			90-46-06		90°46'15"										
4	SP 64	115440		269-13-37					5.5							
5			Az.	287°54'21"								140 <sup>41</sup>	$\odot$	64	142.5	
6	SP 64 to			89-14-45		89°14'50"										
7	SP 63+165	115440		270-45-06					5.5							
8																
9	$\nabla$	0	-						5.5			145 <sup>21</sup>		$\Delta$		
10	WEST	1320		90-06-49					14.3			129			65	
11	"	2640		89-44-04					14.3			144			66	
12	"	3960		89-56-42					26.9			123			67	
13	"	5280		89-53-42					14.3			142			68	
14	"	6600		89-36-10					14.3			178			69	
15																
16	SP 64 to			89-41-34		89°41'42"										
17	SP 69+825			270-18-10					5.5							
18			Az.	275°35'28"								181 <sup>50</sup>	$\odot$	69+825	70° 01' 01"	
19	SP 69+825 to			90-19-43		90°19'46"									183.9	
20	SP 64	142114		269-40-12					5.5							

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*Harman Jentes*

2nd

**STADIA SURVEY NOTES**

NPR #4

AREA IKAIKAIK - KEY CREEK STATE or PROVINCE ALASKA PAGE No. 11  
 LINE No.(s) 90 PARTY No. 1182 DATE 28 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTIE RODMAN T. VANALEN WEATHER: SCMS 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												181.50		69+825		
2	$\backslash$	0	-					5.5			187°		$\Delta$			
3	WEST	495		89-09-22	C		14.3					180		70		
4	"	1815		90-12-53	C		14.3					166		71		
5	"	3135		90-11-50	C		14.3					162		72	LINE INT.	
6	"	4455		90-16-07	C		268					140		73	SP-73+222 SP-80+465 = PIPE	
7	"	5775		90-10-08	C		14.3					156		74		
8	"	7095		90-10-13	C		14.3					152		75		
9	"	8415		90-13-30	C		14.3					141		76		
10	"	9735		90-12-57	C		14.3					143		77		
11	"	11055		90-08-43	C		27.2					134		78		
12	"	12375		90-08-02	C		14.3					146		79		
13																
14	SP 69+825 TO			90-02-13			90°02'23"									
15	SP 80	13,687.99		2-69-57-27			5.5									
16			Az.	275°35'33"								175.53	$\odot$	80	70°01'36"	
17	SP 80 TO			89-59-34			89°59'23"								178.5	
18	SP 69+825			270-00-48			5.5									
19		13,687.99														
20	$\backslash$	0	-				5.5									

TI-588B

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CHECKED BY 1st Herman Juntar 2nd \_\_\_\_\_

**STADIA SURVEY NOTES**

AREA 1KPIKPUK - KEYCREEK STATE or PROVINCE ALASKA PAGE No. 12  
 LINE No.(s) 90 PARTY No. 1132 DATE 28 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTIE RODMAN T. VAN ALLEN WEATHER: SAME P.T.S. No. \_\_\_\_\_

LINE	Searing 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														80	
2	WEST	1320				C			14.3					81	
3	SP 80 to			97-44-27				90°44'18"							
4	SP 82	2638.68		269-15-31					5.5						
5			Az.	275°47'34"								141.85	⊙	82	70 01 39
6	SP 82 to			89-16-32				89°16'32"							144.9
7	SP 80	2638.68		270-43-27					5.5						
8															
9	T	0	-						5.5			147.35	△		
10	EAST	2475		88-59-14		C			14.3			177		80+165	
11	"	2145		89-57-53		C			14.3			134		80+495	
12	"	1320		89-57-77		C			14.3			134		81	
13	WEST	1320		88-55-39		C			14.3			158		83	
14															
15	SP 82 to			89-24-11				89°24'27"							
16	SP 83+495	1814.06		270-35-18											
17			Az.	295°02'36"								140.54	⊙	83	495 70° 01' 47"
18	SP 83+495 to			90-34-57				90°35'07"							463.7
19	SP 82	1814.06		269-24-23											
20															

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CHECKED BY 1st Harman Faunter 2nd \_\_\_\_\_

STADIA SURVEY NOTES

NPR #4

AREA 1KPIKPUK - KEY CREEK STATE or PROVINCE ALASKA PAGE No. 13  
 LINE No.(s) 90 PARTY No. 1182 DATE 28 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. WITTIE RODMAN T. VANALEN WEATHER: SAME 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											160 <sup>54</sup>	88+195		
2	$\pi$	0	-											
3	WEST	825		90-26-17	C						145	84		
4	"	2145		90-25-02	C						136	85		
5	"	3465		90-18-44	C						133	86		
6	"	4785		90-13-30	C						133	87		
7														
8	SP 83+495 to			89-43-21										
9	SP 88	6101.83		270-11-06										
10			Az.	295°02'36"01/31"							180 <sup>95</sup>	88	70 02 13	
11	SP 88 to			90-11-35									184.4	
12	SP 83+495	6101.83		269-48-20										
13														
14	$\pi$	0	-								186 <sup>45</sup>			
15	WEST	1320		91-40-49	C						133	89		
16	"	2640		90-39-20	C						142	90	E.O.L. PIPE "	
17	"	3795		90-37-24	C						131		PIN Flag #4	
18	"	5115		90-21-06	C						141		" #8	
19	"	495		91-20-49	C						161	88+495		
20	"	825		92-10-27	C						129	88+825		

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CHECKED BY Norman Fuentes 2nd

**STADIA SURVEY NOTES**

AREA MPR #4 IKPIKPUK - KEY CREEK STATE or PROVINCE ALASKA PAGE No. 14  
 LINE No.(s) 90 PARTY No. 1182 DATE 28 Day 04 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR FRANK W. LITTLE RODMAN T. J. WALKER 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	Correction	Center Hair			INST.	ROD			
1												180.95		BB		
2	West	6435		89-58-58	C			14.3				175		PIN FLAG #12		
3	"	7755		89-48-01	C			14.3				200		" #16		
4																
5	SP BB to			89-52-28				89°52'45"								
6	PIN FLAG #18	8411.47		270-07-02				5.5								
7			Az.	294°57'35"								199.73	⊙	PIN FLAG #18		
8	PIN FLAG #18 to			90-07-59				90°08'04"								70 02 48
9	SP BB	8411.47		269-51-51				5.5								203.5
10																
11	⌵	0						5.5						△		
12	West	6660		89-43-16	C			14.3				194		PIN FLAG #20		
13																
14	PIN FLAG #18 to			90-26-26				90°26'37"								
15	" " #24	1979.26		269-33-12				5.5								PIN FLAG #24 L-90 Common w/ P.F. #12 L-94
16			Az.	294°56'40"								184.19	⊙			70 02 57
17	PIN FLAG #24 to			89-32-38				89°32'39"								188.0
18	PIN FLAG #18	1979.26		270-27-20				5.5								
19																
20																

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CHECKED BY 1st Hanson Fruits 2nd \_\_\_\_\_