

STADIA SURVEY NOTES

AREA Waiyok River STATE AK. PAGE No. 185
184
 LINE No. 795 PARTY No. 1182 DATE Day 17 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Paice RODMAN Waisanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
		<u>5280</u>		<u>89°43'09"</u>		<u>6.0</u>			<u>-1.9</u>	<u>161.7</u>	<u>181.60</u>				
				<u>270°16'10"</u>		<u>6.0</u>						<u>Δ</u>	<u>7 = 802.48 = ELEV. 181.60</u>		
		<u>4400</u>		<u>89°58'10"</u>		<u>4.0</u>			<u>-1.3</u>		<u>160.4</u>		<u>6</u>		
		<u>3520</u>		<u>89°58'50"</u>		<u>4.0</u>			<u>-2.6</u>		<u>159.1</u>		<u>5</u>		
		<u>2640</u>		<u>89°59'00"</u>		<u>4.0</u>			<u>-3.1</u>		<u>158.6</u>		<u>4</u>		
		<u>1760</u>		<u>89°59'10"</u>		<u>4.0</u>			<u>-3.5</u>		<u>158.2</u>		<u>3</u>		
		<u>880</u>		<u>90°05'30"</u>		<u>4.0</u>			<u>-5.5</u>		<u>156.2</u>		<u>2</u>		
		<u>0</u>		<u>90°00'00"</u>		<u>5.2</u>			<u>-5.2</u>		<u>156.5</u>	<u>↑</u>	<u>1</u>		
		<u>880</u>		<u>90°04'30"</u>		<u>4.0</u>			<u>-5.1</u>		<u>156.5</u>		<u>TS 1</u>		
		<u>1760</u>		<u>90°04'40"</u>		<u>4.0</u>			<u>-6.3</u>		<u>155.4</u>		<u>TS 2</u>		

WORKED BY Samuel Peay CHECKED BY John W. Wainman 2nd

STADIA SURVEY NOTES

AREA Utukok River STATE Alc. PAGE No. 186
 LINE No. 725 PARTY No. 1182 DATE Day 14 Mo. 2 Yr. 1980 BOOK No. 185
 SURVEYOR Perez RODMAN Walshen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hoir Read.	Reading	Correction	Center Hoir			INST.	ROD			
												161.7				
		2640		90°03'30"		4.0					-6.4	155.3	TS 3			
		3520		90°03'50"		4.0					-6.7	155.0	TS 4			
		4400		90°03'10"		4.0					-7.7	154.0	TS 5			
		5280		90°03'50"		4.0					-9.2	152.4	TS 6			
											2	181.60				
		2640		90°07'49"		6.0					+14.1	193.7	Δ 7 = TAM 20248 ELEV.		181.60	
				269°51'27"		6.0							Δ			
		1760		90°01'40"		6.0					-6.5	187.2	8			
		880		90°02'30"		4.0					-4.6	189.1	9			
		0		90°00'00"		5.4					-5.4	188.3	Δ 10			

WORKED BY Jabril Perez CHECKED BY Johy Walden 2nd

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 187
 LINE No. 725 PARTY No. 1182 DATE Day 14 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walsonen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERMER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hoir Read	Reading	Correction			Center Hair	INST.			
										193.7					
		880		90° 41' 30"	4.0				-14.6	179.1		11			
		1760		90° 12' 30"	4.0				-10.3	183.4		12			
		2640		89° 58' 40"	4.0				-2.8	190.9		13			
		3520		89° 54' 10"	4.0				+2.2	196.0		14			
		4400		89° 51' 00"	4.0				+7.5	201.2	○	15			
				270° 08' 18"	4.0					200.8	○				
										0.4	E.O.C.				
		3520		90° 09' 58"	4.0				+14.3	215.1	▲	15			
				262° 49' 21"	4.0						▲				
		2640		90° 15' 40"	4.0				-15.9	199.2		16			
		1760		90° 14' 50"	4.0				-11.5	203.6		17			

WORKED BY Johil Perez CHECKED BY Johy Wawane 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 187 188
 LINE No. 725 PARTY No. 1182 DATE Day 14 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walsh WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
												215.1				
	880			90°24'20"		4.0					-10.2	204.9		18		
	0			90°00'00"		5.0					-5.0	210.1	X	19		
	880			90°06'40"		4.0					-5.7	209.4		20		
	1760			89°56'00"		4.0					-1.9	213.2		21		
	3640			89°57'38"		4.0					-2.3	212.8	○	22		
				278°01'39"		4.0						212.5	○			
												0.3	E.O.C.			
	5005			96°11'57" 57"		4.0					+21.5	234.0	▲	22		
				269°47'15"		4.0							▲			
	4125			90°14'00"		4.0					-20.5	213.5		23		
	3245			90°17'30"		4.0					-20.3	213.7		24		

WORKED BY Jubril Perez CHECKED BY Jo L. Walsh 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 188-189
 LINE No. 725 PARTY No. 1782 DATE Day 14 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Peraz RODMAN Walshen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		2365		90°24'30"		4.0					-20.7	234.0	213.3	25		
		1485		90°39'10"		4.0					20.9		213.1	26		
		605		91°15'30"		4.0					-17.3		216.7	27		
		0		90°00'00"		5.0					-5.0		229.0	27+605		
		275		91°02'50"		4.0					-9.0		225.0	28		
		1155		96°32'30"		4.0					-11.5		222.5	29		
		2035		90°00'30"		4.0					-4.5		229.5	○ 30		
				269°58'40"		4.0							229.3	○		
													0.2	E.O.C.		

WORKED BY Subiel Peraz CHECKED BY John Walshen 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 190
 LINE No. 725 PARTY No. 1182 DATE Day 15 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Reez RODMAN Walshen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		2640		89°55'15"	4.1					+0.6	229.9	229.34	▲	30		
				270°24'22"	4.1								▲			
		1760		89°45'20"	11.4					-3.8		226.1		31		
		880		89°28'00"	11.4					-3.2		226.7		32		
		0		90°00'00"	11.4	5.0				-5.0		224.9	π	33		
		880		89°36'30"	11.4					-5.4		224.6	π	34		
		1760		90°02'40"	4.1					-27.54		224.5		35		
		2640		90°01'16"	4.1					-5.2		224.7	⊙	36		
				269°58'24"	4.1							224.5	⊙			
												0.2				E.O.C.

WORKED BY Subiel Perez CHECKED BY John Walshen 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 191
 LINE No. 225 PARTY No. 1182 DATE Day 15 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walzenen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadio Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		1760		89°54'05"	11.4					+8.5	233.0	224.49	▲	36		
				270°05'15"	11.4								▲			
		880		89°47'40"	11.4					-8.2		224.7		37		
		0		90°00'00"	5.2					-5.2		227.8	×	38		
		880		89°39'00"	11.4					-6.0		227.0		39		
		1760		89°42'00"	11.4					-5.9		227.1	○	40		
				270°10'18"	11.4							226.9	○			
												0.2	E.O.C.			
		3640		89°52'34"	11.4					+5.7	232.6		▲	40		
				270°06'56"	11.4								▲			
		1760		89°48'30"	11.4					-5.5		227.1		41		

WORKED BY Subiel Perez

CHECKED BY Johanna Walzenen

STADIA SURVEY NOTES

AREA Utukok River STATE AKI PAGE No. 192
 LINE No. 725 PARTY No. 1182 DATE Day 15 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR, Perez RODMAN Walsaden WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadio Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		380		89°34'40"	11.4						-4.9	232.6 227.7		42		
	0			90°00'00"	11.4	5.0					-5.0	227.6	X	43		
		880		89°33'00"	11.4						-4.5	228.1		44		
		1760		89°44'05"	11.4						-3.4	229.2	⊙	45		
				270°15'15"	11.4							229.1	⊙			
		1760		90°05'40"	11.4						+14.4	243.4	0.1 E.O.C. A	45		
				269°53'48"	11.4								A			
		880		90°10'10"	11.4						-14.0	229.4		46		
	0			90°00'00"	11.4	5.0					-5.0	232.4	X	47		
		880		90°03'20"	11.4						-12.2	231.2		48		

WORKED BY Josiah Perez CHECKED BY John Walsaden 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK PAGE No. 193
 LINE No. 725 PARTY No. 1182 DATE Day 16 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Waisanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hoir Read	Reading	Correction			Center Hair	INST.			
										243.4					
		1760		90°07'10"		11.4			-15.0		228.4	49			
		2640		90°04'30"		11.4			-14.7		228.7	50			
		3520		89°50'10"		11.4			-1.1		242.4	51			
		4400		89°51'48"		11.4			-2.7		240.7	○ 51+130 = 70.14	247 = Elev.	240.40	
		3650		270°07'42"		11.4					240.4	○			
											0.3	G.O.C.			
		3370		89°33'53"		11.4			-14.3	226.1		▲ 51480 = "	"		
		2640		270°25'32"		11.4						▲			
		2770		89°57'00"		11.4			-9.0		217.1	52			
		1760													
		1630		90°18'20"		11.4			-20.7		205.4	53			
		880		90°42'00"		11.4			-22.1		204.0	54			

WORKED BY José Perez CHECKED BY Joh Waisanen 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 194

LINE No. 725 PARTY No. 1182 DATE Day 16 Mo. 2 Yr. 1980 BOOK No.

SURVEYOR Perez RODMAN Walshman WEATHER Wind -20° P.T.S. No.



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		0		90°00'00"		5.0					-5.0	226.1	221.1	55		
		880		88°26'30"		11.4					+12.5		238.6	56		
		1760		88°55'42"		11.4					+21.4		247.5	57		
				271°03'39"		11.4							247.4			
		3520		89°59'10"		11.4					+10.9	257.9		57		
				270°00'24"		11.4										
		2640		89°58'30"		11.4					-10.1		247.8	58		
		1760		89°57'10"		11.4					-9.9		248.0	59		
		880		89°50'10"		11.4					-8.9		249.1	60		
		0		90°00'00"		5.2					-5.2		252.7	61		

WORKED BY J. Perez

CHECKED BY J. Walshman

2nd

STADIA SURVEY NOTES

AREA Utukok River STATE AK PAGE No. 195
 LINE No. 725 PARTY No. 1182 DATE Day 16 Mo. 7 Yr. 1980 BOOK No. _____
 SURVEYOR Perce RODMAN Walzonen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
												257.9				
		880		90° 21' 30"		11.4					-16.9	241.00	○	62		
				269° 38' 15"		11.4						241.00	○			
		3520		89° 13' 35"		11.4					-36.1	204.9	▲	62		E.O.C.
				270° 45' 56"		11.4							▲			
		2640		89° 46' 30"		11.4					-0.9	204.0		63		
		1760		90° 19' 50"		11.4					-21.5	183.4		64		
		880		89° 51' 40"		11.4					-9.3	195.6		65		
		0		90° 00' 00"		5.2					-5.2	199.7	X	66		
		880		89° 35' 00"		11.4					-5.8	199.1		67		
		1760		89° 48' 00"		11.4					-5.2	199.7		68		

WORKED BY Samuel Perce CHECKED BY John Walzonen 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK PAGE No. 196
 LINE No. 725 PARTY No. 1182 DATE Day 16 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walsham WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
												204.9				
		2640		89°53'0"		22.0					-16.6	188.3	69			
		3520		89°59'30"		11.4					-10.6	194.2	70			
		4400		90°01'00"		11.4					-12.3	192.6	71			
		5280		89°46'10"		11.4					-4.9	199.9	72			
		6160		89°46'20"		11.4					+13.9	218.7	73			
		7040		89°43'01"		11.4					+25.9	230.8	74			
				270°17'28"		11.4						230.5	74			
												0.3 E.O.C.				
		2640		90°28'13"		11.4					+23.1	263.6	74			
				269°31'16"		11.4							74			
		1760		90°31'40"		11.4					-27.5	236.1	75			

WORKED BY Emilio Perez CHECKED BY John Walsham 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK PAGE No. 197
 LINE No. 725 PARTY No. 1182 DATE Day 16 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perce RODMAN Walsanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
												263.6				
		880		90°16'50"		11.4					-15.7		247.9	76		
		0		90°00'00"		5.2					-5.2		258.4	77		
		880		89°24'36"		11.4					-2.4		261.3	78		
				270°35'04"		11.4							261.2			
													0.1 E.O.C.			
		880		88°22'12"		11.4					+1.8	263.0		78		
				270°37'22"		11.4										
		0		90°00'00"		5.0					-5.0		258.0	79		
		880		90°12'20"		11.4					-14.6		248.4	80		
				269°47'20"		11.4					-14.6		248.4			
													0.0 E.O.C.			

WORKED BY Subriel Perce CHECKED BY John Walsanen 2nd

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 198
 LINE No. 725 PARTY No. 1182 DATE Day 18 Mo. 2 Yr. 1960 BOOK No. _____
 SURVEYOR Perez RODMAN Walsard WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hoir Read	Reading	Correction	Center Hoir			INST.	ROD			
		<u>2255</u>		<u>89°37'39"</u>	<u>11.4</u>						<u>-3.2</u>	<u>245.2</u>	<u>248.38</u>	<u>Δ</u>	<u>80</u>	
				<u>270°21'45"</u>	<u>11.4</u>									<u>Δ</u>		
		<u>1375</u>		<u>90°43'10"</u>	<u>11.4</u>						<u>-28.6</u>		<u>216.6</u>		<u>81</u>	
		<u>495</u>		<u>91°21'10"</u>	<u>11.4</u>						<u>-23.1</u>		<u>222.1</u>		<u>82</u>	
		<u>0</u>		<u>90°20'00"</u>	<u>5.0</u>						<u>-5.0</u>		<u>240.2</u>	<u>X</u>	<u>82+495</u>	
		<u>385</u>		<u>89°27'20"</u>	<u>11.4</u>						<u>-7.7</u>		<u>237.5</u>		<u>83</u>	
		<u>1265</u>		<u>89°36'00"</u>	<u>11.4</u>						<u>-2.5</u>		<u>242.7</u>		<u>84</u>	
		<u>2145</u>		<u>89°28'10"</u>	<u>11.4</u>						<u>+8.7</u>		<u>253.9</u>		<u>85</u>	
		<u>3625</u>		<u>89°29'40"</u>	<u>11.4</u>						<u>+15.4</u>		<u>260.6</u>	<u>⊙</u>	<u>86</u>	
				<u>270°30'10"</u>	<u>11.4</u>								<u>260.5</u>	<u>⊙</u>		
													<u>0.1 E.O.C.</u>			

WORKED BY Samuel Perez CHECKED BY John Walsard 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 199
 LINE No. 725 PARTY No. 1182 DATE Day 18 Mo. 07 Yr. 1980 BOOK No. _____
 SURVEYOR Perze RODMAN Waisanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		BS FS SS	Station	FINAL ELEVATIONS	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD					
		4235		89°32'33"		11.4					-15.3	245.2	260.50	Δ	86			
				270°21'14"		11.4								Δ				
		3355		89°44'20"		11.4					+4.1	249.4			87			
		2475		90°03'0"		11.4					-13.5	231.7			88			
		1595		90°05'50"		11.4					-14.0	231.2			89			
		715		89°51'40"		11.4					-9.7	235.6			90			
		0		90°00'00"		5.0					-5.0	240.2		X	90+715			
		165		88°10'00"		11.4					-6.1	239.1			91			
		1045		89°36'20"		11.4					-4.2	241.1			92			
		1925		89°42'19"		11.4					-1.4	243.8		○	93			
				270°17'44"		11.4						243.8		○				

WORKED BY Sabriel Perze CHECKED BY John Waisanen 0.0 E.O.C. 2nd

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 200
 LINE No. 725 PARTY No. 1182 DATE Day 18 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walshman WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hoir Read	Reading	Correction	Center Hoir			INST.	ROD			
												243.76				
		1760		89°55'17"	11.4					+9.1	252.8		A	93		
				270°04'26"	11.4								A			
		880		89°41'00"	11.4					-6.5	-	246.3		94		
		0		90°00'00"	5.0					-5.0		247.8	T	95		
		880		89°24'50"	11.4					-2.4		256.5		96		
		1760		89°36'40"	11.4					+0.5		253.3	O	97		
				270°23'57"	11.4							253.3	O			
												87.0	E-O.C.			
		1760		90°09'11"	11.4					+16.2	269.5		A	97		
				269°50'19"	11.4								A			
		880		89°48'10"	11.4					-8.4		261.1		98		

WORKED BY Subiel Perez CHECKED BY John Walshman 2nd

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 201
 LINE No. 725 PARTY No. 1182 DATE Day 18 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Waisanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
		0		90°00'00"		5.0			-5.0	269.5	264.5	X	99		
		880		89°09'20"		11.4			+1.6		271.0		100		
		1760		88°55'10"		11.4			+21.8		291.3		101		
		2183		88°56'09"		11.4			+28.2		297.7	○	101+373 = TBM 80246 Elev.	297.59	
				371°03'34"		11.4					292.6	○			
		2762									0.1		B.O.C.		
		3135		89°55'01"		11.4			+7.4	305.0		▲	101+373 = TBM 80246 Elev.	297.59	
				370°04'38"		11.4						▲			
		2255		89°48'00"		11.4			-3.4		301.6		102		
		1375		89°51'10"		11.4			-11.0		293.9		103		
		495		89°43'40"		11.4			-9.0		295.9		104		
		0		90°00'00"		5.0			-5.0		300.0	X	104+495		

WORKED BY Jubal Perez CHECKED BY John Waisanen 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 202
 LINE No. 725 PARTY No. 1182 DATE Day 18 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walsanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
												305.0				
		385		89°58'10"		11.4					-11.2	293.8		105		
		1265		90°08'40"		11.4					-14.6	290.4		106		
		2145		90°14'23"		11.4					-20.5	284.4	⊙	107		
				269°44'58"		11.4						284.4	⊙			
												0.0		E.O.C.		
		3520		90°08'15"		11.4					+19.9	304.3	Δ	107		
				269°51'11"		11.4							Δ			
		2640		90°10'40"		11.4					-19.5	284.8		108		
		1760		90°23'10"		11.4					-23.2	281.1		109		
		880		89°53'10"		11.4					-9.6	294.7		110		
		0		90°00'00"		5.0					-5.0	299.3	⋈	111		

WORKED BY Jabriel Perez CHECKED BY John Walsanen 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 203
 LINE No. 725 PARTY No. 1182 DATE Day 18 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walsanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
										304.3					
		880		90°13'40"		11.4			-14.9	289.4	⊙	112			
				269°46'0.3		11.4				289.4	⊙				
										0.0	B.O.L.				
		3465		87°37'28"		11.4			-11.4	278.0	Δ	112			
				270°22'08"		11.4					Δ				
		2585		90°23'30"		11.4			-28.9	249.1		113			
		1705		90°55'10"		11.4			-38.7	239.3		114			
		825		90°11'30"		11.4			-14.1	263.9		115			
		0		90°00'00"		5.0			-5.0	273.0	X	115+8.25			
		55		86°37'00"		11.4			-8.1	269.9		116			
		235		90°20'30"		11.4			-17.0	261.1		117			

WORKED BY Jabril Perez CHECKED BY John Walsanen 2nd _____

STADIA SURVEY NOTES

AREA Wukok River STATE AK PAGE No. 204
 LINE No. 725 PARTY No. 1182 DATE Day 19 Mo. 9 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walsanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
												278.0				
	<u>+</u>	<u>1815</u>		<u>90°00'40"</u>		<u>11.4</u>					<u>-11.7</u>	<u>266.3</u>	<u>118</u>			
		<u>2695</u>		<u>89°57'20"</u>		<u>11.4</u>					<u>-9.2</u>	<u>268.8</u>	<u>119</u>			
		<u>3575</u>		<u>89°57'20"</u>		<u>11.4</u>					<u>-8.4</u>	<u>269.6</u>	<u>120</u>			
		<u>4455</u>		<u>89°56'00"</u>		<u>11.4</u>					<u>-5.8</u>	<u>272.2</u>	<u>121</u>			
		<u>5335</u>		<u>89°56'30"</u>		<u>11.4</u>					<u>-5.4</u>	<u>272.6</u>	<u>122</u>			
		<u>6215</u>		<u>89°56'40"</u>		<u>11.4</u>					<u>-4.6</u>	<u>273.4</u>	<u>123</u>			
		<u>6490</u>		<u>89°56'56"</u>		<u>11.4</u>					<u>+6.6</u>	<u>284.6</u>	<u>123+275</u>			
				<u>270°07'06"</u>		<u>11.4</u>						<u>284.6</u>	<u>123+275</u>			
		<u>7645</u>		<u>90°03'10"</u>		<u>11.4</u>					<u>+15.5</u>	<u>300.0</u>	<u>123+275</u>			
				<u>269°57'26"</u>		<u>11.4</u>						<u>0.0</u>	<u>E.O.C.</u>			
												<u>Δ</u>	<u>Δ</u>			

WORKED BY Subail Perez CHECKED BY John Walsanen 2nd _____

STADIA SURVEY NOTES

AREA Hukok River STATE AK. PAGE No. 205
 LINE No. 72.5 PARTY No. 1182 DATE Day 19 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Waisanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hoir Read	Reading	Correction	Center Hoir			INST.	ROD			
												300.0				
		7040		90°08'50"		11.4					-28.5		271.6	124		
		6160		90°09'20"		11.4					-27.3		272.7	125		
		5280		90°07'40"		11.4					-22.6		277.4	126		
		4400		90°09'00"		11.4					-22.5		277.5	127		
		3520		90°10'10"		11.4					-21.5		278.5	128		
		2640		90°11'50"		11.4					-20.3		279.7	129		
		1760		90°14'30"		11.4					-18.8		281.3	130		
		880		90°20'50"		11.4					-16.7		283.3	132		
		0		90°00'00"		5.2					-5.2		294.8	X 133		

WORKED BY Jabril Perez CHECKED BY John Waisanen 2nd

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 206
 LINE No. 765 PARTY No. 1182 DATE Day 19 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR PEREZ RODMAN W. Waisanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
												300.0				
		880		90°53'20"		11.4					-25.0	275.0	133			
		1760		90°51'20"		11.4					-37.6	262.4	134			
		2640		89°55'30"		11.4					-7.8	292.2	135			
		3269		89°46'46"		11.4					+1.5	301.5	① 135+629 = TBM 80245 Elev. = 301.46			
				270°13'20"		11.4						301.5	②			
		2771		89°41'24"		11.4					-8.9	292.6	③			
				270°17'42"		11.4							④			
		3520		89°38'38"		11.4					+10.7	303.3	136			
		2640		90°09'20"		11.4					-18.4	274.2	137			
		1760		90°21'30"		11.4					-22.3	270.3	138			

WORKED BY José Pérez CHECKED BY J. Waisanen 2nd _____

STADIA SURVEY NOTES

AREA Whitok River STATE AK. PAGE No. 207
 LINE No. 725 PARTY No. 1182 DATE Day 19 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Price RODMAN Walsanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hoir Read	Reading	Correction	Center Hoir			INST.	ROD			
												292.6				
		880		89°49'40"		22.0					-19.3	273.3		139		
		0		90°00'00"		5.0					-5.0	287.6	X	140		
		880		91°12'40"		22.0					-40.6	252.0		141		
		1760		89°42'00"		11.4					-2.6	290.0		142		
		2640		89°53'00"		11.4					-5.9	286.7		143		
		3520		89°55'10"		11.4					-6.2	286.4		144		
		4400		89°46'00"		11.4					+6.9	299.5		145		
		6280		89°45'20"		11.4					+11.7	304.3		146		
		5665		89°47'50"		11.4					+9.3	301.9	○	146+385		
				27°12'07"		11.4						301.7	○			
												0.2	E.O.C.			

WORKED BY Subal Price CHECKED BY John Walsanen 2nd _____

STADIA SURVEY NOTES

AREA Utuok River STATE AK. PAGE No. 208
 LINE No. 725 PARTY No. 1182 DATE Day 19 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Wasson WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD				Δ BS O FS - SS
		<u>2255</u>		<u>89°36'49"</u>		<u>11.4</u>					<u>-3.8'</u>	<u>297.9</u>	<u>301.74</u>				
				<u>270°29'48"</u>		<u>11.4</u>								<u>Δ</u>	<u>146+305</u>		
		<u>1760</u>		<u>90°07'50"</u>		<u>11.4</u>					<u>+15.3</u>	<u>282.6</u>		<u>147</u>			
		<u>880</u>		<u>91°22'50"</u>		<u>22.0</u>					<u>-43.2</u>	<u>254.8</u>		<u>148</u>			
		<u>0</u>		<u>90°07'00"</u>		<u>5.0</u>					<u>-5.0</u>	<u>292.9</u>	<u>X</u>	<u>149</u>			
		<u>880</u>		<u>89°13'16"</u>		<u>11.4</u>					<u>+0.6</u>	<u>298.6</u>		<u>150</u>			
		<u>1760</u>		<u>89°36'00"</u>		<u>11.4</u>					<u>+0.9</u>	<u>298.9</u>		<u>151</u>			
		<u>2640</u> <u>2520</u>		<u>89°46'10"</u>		<u>11.4</u>					<u>+4.0</u>	<u>301.9</u>		<u>152</u>			
		<u>2530</u>		<u>89°47'30"</u>		<u>22.0</u>					<u>-9.0</u>	<u>289.0</u>		<u>153</u>			

WORKED BY Jabril Perez CHECKED BY John Wasson 2nd _____

STADIA SURVEY NOTES

AREA UTUKOK RIVER STATE AK. PAGE No. 209
 LINE No. 725 PARTY No. 1182 DATE Day 19 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR PEREZ RODMAN WALSH WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		BS FS - SS	Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hoir Read	Reading	Correction	Center Hair			INST.	ROD				
		4400		89°48'20"		11.4					+4.1	297.9	302.1		154		
		5280		89°44'40"		11.4					+12.7		310.7		155		
		6160		89°40'31"		11.4					+24.3		322.2	⊙	156		
				270°19'45"		11.4							322.1	⊙			
		6160		89°59'00"		11.4					+9.2	331.3		⊙	156		
				270°00'34"		11.4								⊙			
		5280		90°04'30"		11.4					-17.7		313.6		157		
		4400		90°08'20"		11.4					-21.2		310.1		158		
		3520		90°10'20"		11.4					-21.7		309.6		159		
		2640		90°11'30"		11.4					-20.1		311.2		160		
		1760		90°13'00"		11.4					-18.0		313.3		161		

WORKED BY Samuel Perez CHECKED BY John J. Wainman 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK, 210 PAGE No. 210
 LINE No. 725 PARTY No. 1182 DATE Day 19 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Wasson WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hoir Read	Reading	Correction	Center Hoir			INST.	ROD			
												331.3				
		880		90°11'30"		11.4					-14.3	317.0		162		
		0		90°00'00"		5.2					-5.2	326.1	X	163		
		880		90°11'40"		11.4					-14.4	316.9		164		
		1760		89°37'20"		11.4					+5.4	336.7		165		
		2640		89°28'10"		11.4					+13.2	344.5		166		
		3520		89°31'10"		11.4					+18.4	349.7		167		
		4400		89°31'20"		11.4					+25.7	357.0		168		
		5213		89°31'25"		11.4					+32.4	363.7	○	168 + 813 = T.B.M.	79245 ELEV.	363.60
				27°28'29"		11.4						363.6	○			
												0.1 E.D.C.				

WORKED BY Samuel Perez CHECKED BY John Johnson 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 211
 LINE No. 725 PARTY No. 1122 DATE Day 20 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR PRICE RODMAN Walsh WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		254.2		90° 08' 13"	11.4						+13.1	376.7	363.6		168+813 = T.B.M. 79245 ELEV. 363.60	
				269° 57' 10"	11.4											
		247.5		90° 01' 46"	11.4						-12.5		364.2	169		
		159.5		89° 52' 00"	11.4						-7.6		369.1	170		
		71.5		89° 17' 40"	11.4						-2.6		374.1	171		
		0		90° 00' 00"	11.4						-5.0		371.7	171+71.5		
		16.5		88° 44' 10"	11.4						-7.8		369.0	172		
		104.5		91° 14' 00"	11.4						-33.9		342.9	173		
		192.5		91° 28' 30"	11.4						-60.8		315.9	174		

WORKED BY Robert Price CHECKED BY John J. Walsh 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 212
 LINE No. 785 PARTY No. 1182 DATE Day 20 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR PEREZ RODMAN WALSHAN WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		BS FS - SS	Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD				
		2805		91°15'00"	11.4					-72.4	376.7	304.3		175			
		3685		91°24'30"	11.4					-101.7		275.0		176			
		4565		91°02'40"	11.4					-94.2		282.5		177			
		5445		90°30'50"	11.4					-59.6		317.1		178			
		6325		90°20'10"	11.4					-47.7		329.0		179			
		7205		90°12'40"	11.4					-36.9		339.9		180			
		8085		90°09' ^{41"} 55"	11.4					-32.7		344.1		181			
				269°50'27"	11.4							344.0					
		4225										0.1					
		4785		89°56'34"	11.4					+6.5	350.5			181			
				276°02'52"	11.4												

WORKED BY John Perez CHECKED BY John Walshan 2nd

STADIA SURVEY NOTES

AREA Utukok STATE AK. PAGE No. 213
 LINE No. L-225 PARTY No. 1182 DATE Day 20 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Waltman WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		3905		89°58'40"	11.4						-9.6	350.5	340.9	182		
		3025		90°00'50"	11.4						-11.9		338.6	183		
		2145		90°01'00"	11.4						-11.9		338.6	184		
		1265		89°44'50"	11.4						-5.8		344.7 344.7	185		
		385		88°42'40"	11.4						-2.7		347.8	186		
		0		90°00'00"	5.2						-5.2		345.3	186 + 385		
		495		91°10'30"	11.4						-21.5		329.0	187		
		1375		92°07'40"	11.4						-62.4		288.1	188		
		2255		90°41'10"	11.4						37.2 -38.3		312.2	189		

WORKED BY Sabriel Perez CHECKED BY John J. Davis 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 1214
 LINE No. 225 PARTY No. 1182 DATE Day 20 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Waisanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
												350.5				
		3135		90°18'00"		11.4					-27.6	322.9	190			
		4015		90°11'30"		11.4					-24.5	326.0	191			
		4895		89°55'40"		11.4					-4.7	345.8	192			
		5775		89°53'00"		11.4					+1.1	351.6	○ 193			
				270°07'02"		11.4						351.5	○			
												0.1 E.O.C.				
		6160		90°33'15"		11.4					+70.7	422.2	▲ 193			
				269°26'10"		11.4							▲			
		5280		90°45'20"		11.4					-80.4	341.8	194			
		4400		90°44'40"		11.4					-68.2	354.1	195			
		3520		90°42'00"		11.4					-54.1	368.1	196			

WORKED BY Sabril Perez CHECKED BY John Waisanen 2nd _____

STADIA SURVEY NOTES

AREA Utukok STATE AK PAGE No. 215
 LINE No. 725 PARTY No. 1182 DATE Day 20 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perce RODMAN Naisanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		BS FS - SS	Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD				
												462.2					
		2640		90°35'40"		11.4					-38.6	323.6		197			
		1760		70°26'10"		11.4					-24.7	397.5		198			
		880		90°10'20"		11.4					-11.0	408.2		199			
		0		90°00'00"		5.2					-5.2	417.0	✓	200			
		880		89°20'20"		11.4					-1.2	421.0		201			
		1760		89°35'10"		11.4					+1.4	423.6		202			
		2640		89°28'26"		11.4					+13.1	435.3		203			
		3520		89°24'40"		11.4					+25.0	447.3		204			
		4400		89°28'29"		11.4					+29.3	451.6	⊙	205			
				270°31'30"		11.4						451.5	⊙				
												0.1	E.O.C.				

WORKED BY Edmund Perce CHECKED BY John Naisanen 2nd

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 216
 LINE No. 725 PARTY No. 1182 DATE Day 20 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walsaton WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		7040		90° 19' 54"	11.4					+ 51.5	503.0	451.50		205		
				269° 37' 42"	11.4											
		6160		90° 26' 00"	11.4					- 57.2		445.8		206		
		5280		90° 28' 46"	11.4					- 54.8		448.2		207		
		4400		90° 33' 00"	11.4					- 53.2		449.8		208		
		3520		90° 38' 50"	11.4					- 50.9		452.1		209		
		2640		90° 37' 20"	11.4					- 39.9		463.1		210		
		1760		90° 22' 10"	11.4					- 22.7		480.4		211		
		880		90° 01' 20"	11.4					- 11.7		491.3		212		
		0		90° 00' 00"	5.4					- 5.4		497.6		213		

WORKED BY Subal Perez CHECKED BY John Walsaton 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 217
 LINE No. 725 PARTY No. 1182 DATE Day 20 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walshman WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
												563.0				
		880		89°58'10"		11.4					-10.9	492.1		214		
		1760		90°22'20"		11.4					-22.8	480.3		215		
		2640		90°32'20"		11.4					-36.1	467.0		216		
		3520		90°24'30"		11.4					-36.2	466.8		217		
		4400		90°10'30"		11.4					-24.4	478.6		218		
		5280		89°58'27"		11.4					-8.4	494.6		219		
		5559		89°55'57"		11.4					-4.3	498.7	○	219+279 = T.B.M. 80243 Elev	498.65	
				270°03'55"		11.4						498.7	○			
												0.0	B.O.C.			

WORKED BY Samuel Perez CHECKED BY John Walshman 2nd _____

STADIA SURVEY NOTES

AREA Mukot River STATE AK. PAGE No. 218
 LINE No. 725 PARTY No. 1182 DATE Day 21 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Parce RODMAN Walsanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		601		89° 21' 37"	11.4					+ 4.7	503.3	498.7	▲	219	279 = T.B.M. 80243 Elev. 498.65	
				270° 38' 17"	11.4								▲			
		0		90° 00' 00"	5.2					- 5.2		498.1	▲	220		
		880		90° 49' 50"	11.4					- 24.1		479.2	▲	221		
		1760		91° 12' 00"	11.4					- 48.2		455.1	▲	222		
		2640		91° 26' 30"	11.4					- 77.7		425.7	▲	223		
		3520		91° 14' 10"	11.4					- 87.1		416.3	▲	224		
		4400		90° 52' 21"	11.4					- 78.0		425.4	○	225		
				269° 07' 40"	11.4							425.6	○			
												0.2	●	E.O.C.		

WORKED BY Samuel Percy CHECKED BY Jeff Walsanen 2nd _____ TI-588D

STADIA SURVEY NOTES

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AREA Hukok River STATE AK PAGE No. 219
 LINE No. 125 PARTY No. 1182 DATE Day 21 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walshen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
		<u>3245</u>		<u>90°12'48"</u>	<u>11.4</u>				<u>+23.3</u>	<u>448.9</u>	<u>425.59</u>	<u>A</u>	<u>225</u>		
				<u>269°47'10"</u>	<u>11.4</u>							<u>A</u>			
		<u>2365</u>		<u>91°40'40"</u>	<u>11.4</u>	<u>22.0</u>			<u>-91.1</u>		<u>357.7</u>		<u>226</u>		
		<u>1485</u>		<u>91°21'40"</u>	<u>11.4</u>				<u>-46.6</u>		<u>402.2</u>		<u>227</u>		
		<u>605</u>		<u>90°52'00"</u>	<u>11.4</u>				<u>-20.5</u>		<u>428.3</u>		<u>228</u>		
		<u>0</u>		<u>90°00'00"</u>	<u>5.0</u>				<u>-5.0</u>		<u>443.7</u>	<u>A</u>	<u>228+605</u>		
		<u>275</u>		<u>87°46'40"</u>	<u>11.4</u>				<u>-0.7</u>		<u>448.1</u>		<u>229</u>		
		<u>1155</u>		<u>88°44'20"</u>	<u>11.4</u>				<u>+13.9</u>		<u>462.8</u>		<u>230</u>		
		<u>2035</u>		<u>88°47'30"</u>	<u>11.4</u>				<u>+31.6</u>		<u>480.5</u>		<u>231</u>		
		<u>2915</u>		<u>89°03'47"</u>	<u>11.4</u>				<u>+36.5</u>		<u>485.4</u>	<u>○</u>	<u>232</u>		
				<u>270°56'19"</u>	<u>11.4</u>						<u>485.5</u>	<u>○</u>			

WORKED BY Jacob Long CHECKED BY Jody Walshen 0.1 E.O.L. 2nd

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 220
 LINE No. 725 PARTY No. 1182 DATE Day 21 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Waisanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		6160		89°43'22"		11.4					-18.9	466.7	485.52	Δ	232	
				270°16'16"		11.4								Δ		
		5280		89°46'40"		11.4					+9.6		476.3		233	
		4400		89°57'50"		11.4					-8.2		458.1		234	
		3520		90°23'30"		11.4					-35.2		431.5		235	
		2640		90°59'00"		11.4					-56.6		410.1		236	
		1760		91°11'50"		11.4					-48.1		418.6		237	
		880		91°24'30"		11.4					-23.0		433.7		238	
		0		90°00'00"		11.4					-5.2		461.5	X	239	
		880		89°20'00"		11.4					-1.2		465.5		240	

WORKED BY Samuel Perez CHECKED BY John Waisanen 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK PAGE No. 221
 LINE No. 725 PARTY No. 1182 DATE Day 21 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walsh WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		1760		89°00'00"	11.4						+19.4	466.7	486.0	241		
		2640		89°09'40"	11.4						+27.4		494.1	242		
		3520		89°11'10"	11.4						+38.9		505.5	243		
		4400		89°15'30"	11.4						+45.9		512.6	244		
		5280		89°11'50"	11.4						+63.1		529.8	245		
		6160		89°10'55"	11.4						+77.2		543.9	⊙ 246		
				270°48'58"	11.4								544.2	⊙		
													0.3 E.O.C.			
		6160		89°55'55"	11.4						+3.2	548.0		▲ 246		
				270°03'33"	11.4									▲		

WORKED BY Jubal Perez CHECKED BY John Walsh 2nd

STADIA SURVEY NOTES

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AREA Utukok River STATE AK PAGE No. 222
 LINE No. 725 PARTY No. 1182 DATE Day 21 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Pariz RODMAN WALSON WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERMER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		5280		90°00'20"		11.4					-11.3	548.0	536.7	247		
		4400		90°16'20"		11.4					-31.9		516.1	248		
		3520		90°34'40"		11.4					-46.6		501.4	249		
		2640		91°01'10"		11.4					-58.2		489.8	250		
		1760		91°43'50"		11.4					-64.5		483.5	251		
		880		91°13'10"		11.4					-30.1		377.9	252		
		0		90°00'00"		11.4	5.0				-5.0		493.0	253		
		843		88°26'51"		11.4					+11.5		559.5	①	253+843 = T.B.M. 80242 Elev. 559.51	
				271°23'12"		11.4							559.5	②		
													0.0	E.O.C.		

WORKED BY Jacob Pery CHECKED BY John Johnson 2nd _____

STADIA SURVEY NOTES

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AREA Utukok River STATE AK PAGE No. 223
 LINE No. 725 PARTY No. 1182 DATE Day 22 Mo. 2 Yr. 1980 BOOK No. 1
 SURVEYOR Perez RODMAN Walsham WEATHER -40° wind P.T.S. No.



LINE	Bearing or Sight	Stadio Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		BS FS SS	Station	FINAL ELEVATIONS	REMARKS	
			Level	Inclined	Angle of Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD					
		917		89°47'36"	11.4						+8.1	567.6	559.5					
				270°12'20"	11.4									Δ				559.51
		880		89°46'40"	11.4						-8.0		559.6		254			
		0		90°00'00"	5.0						-5.0		562.6	Δ	255			
		880		90°31'30"	11.4						-19.4		548.2		256			
		1760		90°54'20"	11.4						-39.2		528.4		257			
		2640		90°57' ^{18"} 30"	11.4						-55.2		512.4	○	258			
				289°02'51"	11.4								512.4	○				
													0.0 E.O.R.					
		5775		88°41'18"	11.4						-21.2	591.2		Δ	258			
				271°18'21"	11.4									Δ				

WORKED BY José Luis Pérez CHECKED BY José Luis Pérez 2nd

STADIA SURVEY NOTES

AREA Utah River STATE AK. PAGE No. 224
 LINE No. 225 PARTY No. 1182 DATE Day 22 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perce RODMAN Waisanen WEATHER -40° Wind P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		4895		88°46'40"		11.4					+93.2	391.2	484.8	259		
		4015		88°56'30"		11.4					+62.1		453.9	260		
		3135		88°51'00"		11.4					+51.7		443.0	261		
		2255		88°53'20"		11.4					+32.4		423.7	262		
		1375		88°37'30"		11.4					+21.5		412.7	263		
		995		88°36'20"		11.4					+0.7		391.9	264		
		0		90°00'00"		5.0					-5.0		386.2	264+495		
		385		92°48'30"		11.4					-30.4		360.8	265		
		1265		91°24'40"		15.0					-46.1		345.1	266		

WORKED BY Sabat Berg CHECKED BY John Waisanen 2nd

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 225
 LINE No. 725 PARTY No. 1182 DATE Day 22 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR POTBEZ RODMAN Waisanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		2145		90°49'30"		11.4	15.0				-45.2	391.2	345.5	267		
		3025		90°35'40"		11.4					-42.6		348.7	268		
		3905		90°27'20"		11.4					-42.1		349.4	269		
		4785		90°30'50"		11.4					-53.8		337.4	270		
		5665		89°45'00"		11.4					+14.0		405.2	271		
		6545		89°12'30"		11.4					+79.9		471.2	272		
		7425		88°53'40"		11.4					+133.0		324.2	273		
		8305		88°41'30"		11.4					+179.7		570.9	274		
		8503		88°39'13"		11.4					+179.8		581.1	274 + 198		
				271°20'43"		11.4							581.2	○		
													0.1	E.O.C.		

WORKED BY Samuel Berg CHECKED BY John Waidan 2nd _____

STADIA SURVEY NOTES

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AREA W. Side of R. Road STATE AK. PAGE No. 226
 LINE No. 725 PARTY No. 1182 DATE Day 22nd Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Peter RODMAN Walshannon WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		BS FS - SS	Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD				
		5797		90°21'30"		11.4					+47.3	628.5	581.21	A	274+192		
				269°38'04"		11.4								A			
		5115		90°28'00"		11.4					-52.5		576.0		275		
		4235		90°46'20"		11.4					-68.1		560.4		276		
		3355		90°51'10"		11.4					-61.1		567.4		277		
		2475		91°01'50"		11.4					+55.8		572.7		278		
		1595		91°02'50"		11.4					-40.5		588.0		279		
		715		90°37'20"		11.4					-19.1		609.4		280		
		0		90°00'00"		5.0					-5.0		623.5		280+715		
		165		88°16'40"		11.4					-6.4		622.1		281		

WORKED BY Jubril Pety

CHECKED BY Jody Walshannon

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STADIA SURVEY NOTES

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AREA Uptok River STATE AK PAGE No. 227
 LINE No. 225 PARTY No. 1182 DATE Day 24 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perce RODMAN Walsanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		1045		90°33'10"		11.4					628.5	607.1	282			
		1925		90°49'00"		11.4					-38.8	589.8	283			
		2805		91°02'50"		11.4					-62.2	566.3	284			
		3685		90°37'10"		11.4					-51.0	577.6	285			
		4565		90°30'14"		11.4					-51.5	577.0	○ 286			
				268°29'08"		11.4						577.1	○			
												2.1	E.O.C.			
		5280		90°77'08"		11.4					+37.6	614.6	▲ 286			
				269°42'19"		11.4							▲			
		4400		90°53'50"		11.4					-79.9	534.7	287			
		3520		91°40'40"		11.4					-114.2	500.4	288			

WORKED BY Subul Perce CHECKED BY John Walsanen 2nd _____

STADIA SURVEY NOTES

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AREA Utah Lake Area STATE AK PAGE No. 228
 LINE No. 725 PARTY No. 1182 DATE Day 24 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walsh WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		2640		92°17'40"		11.4					-116.9	614.6	497.7	289		
		1760		92°11'10"		11.4					-78.5		536.2	290		
		880		91°44'20"		11.4					-38.1		576.6	291		
		0		90°00'00"		11.4 5.0					-5.0		609.6	292		
		788		87°34'34"		11.4					+21.9		636.5	292+788 = 788	80.341 Elev.	636.55
				272°25'01"		11.4							636.5	○		
													0.0 E.O.C.			
		6252		89°16'58"		11.4					-69.1	567.4		▲	292+788	
				270°43'39"		11.4								▲		
		6160		89°15'10"		11.4					+69.7		637.1	293		
		5280		89°47'20"		11.4					+8.6		576.0	294		

WORKED BY Jabriel Perez CHECKED BY John Walsh 2nd

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 229
 LINE No. 225 PARTY No. 11801 DATE Day 24 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walson WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
										567.4					
		4400		90°42'30"		11.4				-65.8	501.6	295			
		3520		91°45'00"		11.4				-118.6	448.8	276			
		2640		92°26'30"		11.4				-123.7	443.7	297			
		1760		92°44'40"		11.4				-95.6	471.8	298			
		880		92°42'50"		11.4				-53.0	514.4	299			
		0		90°00'00"		5.0				-5.0	562.4	π 300			
		880		87°46'20" 36"		11.4				+22.7	590.1	○ 301			
				272°13'04"		11.4					591.0				
											2.9	○ F.O.C.			

WORKED BY Samuel Perez CHECKED BY Johy Wason 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 230
 LINE No. 725 PARTY No. 1182 DATE Day 29 Mo. 25 Yr. 1980 BOOK No. _____
 SURVEYOR Perce RODMAN Walsanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		BS FS - SS	Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.				
		7920		89° 14' 17"	11.4				-95.0	496.0	591.0	Δ	301			
				270° 43' 34"	11.4							Δ				
		7040		88° 17' 30"	11.4				+76.6		572.6		302			
		6160		89° 34' 00"	11.4				+36.0		531.9		303			
		5280		89° 50' 40"	11.4				+3.5		489.5		304			
		4400		89° 59' 40"	11.4				-10.6		485.4		305			
		3520		90° 13' 40"	11.4				-25.1		470.8		306			
		2640	3520	91° 07' 50"	11.4				-63.2		432.6		307			
		1760		92° 08' 40"	11.4				-77.7		418.3		308			

WORKED BY Jacob Perce CHECKED BY John Walsanen 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 231
 LINE No. 725 PARTY No. 1182 DATE Day 2 Mo. 25 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walzansen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD.			
		880		92°06'20"	11.4						-43.7	496.0	452.3	309		
		0		90°00'00"	11.4	5.0					-5.0		491.0	A 310		
		880		89°20'09"	11.4						-1.2	494.8	495.6	○ 311		
				270°35'40"	11.4								0.2	E.O.C.		
		4400		89°41'30"	11.4						-11.8	482.9		A 311		
				270°17'24"	11.4									A		
		3520		90°01'10"	11.4						-12.3		471.5	312		
		2640		90°55'50"	11.4						-54.1		429.8	313		
		1760		91°50'20"	22.0						-78.4		405.5	314		
		880		91°22'30"	11.4						-34.3		449.6	315		

WORKED BY Sabat Perez CHECKED BY John J. Jordan 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. # 232
 LINE No. 725 PARTY No. 1182 DATE Day 25 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Waisanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		0		90°00'00"		5.0					-5.0	483.9				
				270°00'00"		5.0							478.9	X 0.316		
													478.9	0		
													0.0	E.O.C.		
		6875		91°03'40"		11.4					+138.3	617.2		▲ 316		
				268°55'45"		11.4								▲		
		5995		91°18'10"		11.4					-147.0		470.2		317	
		5115		91°25'30"		11.4					-138.1		479.1		318	
		4235		91°36'20"		11.4					-129.7		487.5		319	
		3355		91°45'00"		11.4					-113.6		503.6		318 320	
		2425		91°41'40"		11.4					-84.5		532.7		321	
		1595		91°33'30"		11.4					-54.7		562.5		322	

WORKED BY Jabriel Perez CHECKED BY John Waisanen 2nd _____

STADIA SURVEY NOTES

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AREA Wukok River STATE AK. PAGE No. 233
 LINE No. 725 PARTY No. 1182 DATE Day 25 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Walscott WEATHER _____ P.T.S. No. _____

LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
										617.2					
		715		91°30'10"		11.4				-30.1	587.1		323		
		0		90°00'00"		5.0				-5.0	612.2	▲	#323+715		
		832		88°37'54"		11.4				+8.4	625.6	SS	T.B.M. 80238 Elev. 626.44		
				271°21'25"		11.4					626.4	SS			
											0.8		E.O.C.		
		165		87°28'20"		11.4				-8.4	618.0		For new H.I.C. 323+715 for continuation to SP 324 etc.		
										-4.1	613.9		324		
		1045		90°12'20"		11.4				-16.8	601.2		325		
		1925		90°21'45"		11.4				-25.3	592.7	○	326		
				269°34'46"		11.4					593.2	○			
											0.5		E.O.C.		
		6160		89°18'14"		11.4				-70.8	522.4	▲	326		
				270°45'08"		11.4						▲			

WORKED BY Jabuel Perez CHECKED BY John Walscott 2nd _____ TI-588D

STADIA SURVEY NOTES

AREA Utahok River STATE AK. PAGE No. 234
 LINE No. 2615 PARTY No. 1182 DATE Day 25 Mo. 9 Yr. 1980 BOOK No. _____
 SURVEYOR PEREZ RODMAN WALSANEN WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		BS FS SS	Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD				
												522.4					
		5280		89° 47' 30"	11.4						+8.4	530.8		327			
		4400		90° 30' 30"	11.4						-50.0	472.4		328			
		3520		91° 28' 30"	11.4						-101.7	420.7		329			
		2640		92° 47' 30"	11.4						-139.7	382.7		330			
		1760		92° 30' 30"	11.4						-88.5	433.9		331			
		880		92° 17' 10"	11.4						-46.5	475.9		332			
		0		90° 00' 00"	50						-5.0	517.4	X	333			
		880		87° 00' 50"	11.4						+34.5	556.9		334			
		1485		87° 25' 16"	11.4						+55.4	577.8	⊙	335	+605		
				272° 54' 15"	11.4						+55.7	578.2	⊙				
											0.4						

WORKED BY Subinil Perez CHECKED BY John Wawa 2nd _____

STADIA SURVEY NOTES

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AREA Utukok River STATE AK. PAGE No. 235
 LINE No. 725 PARTY No. 1182 DATE Day 25 Mo. 9 Yr. 1980 BOOK No. _____
 SURVEYOR P. P. P. RODMAN Walson WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲ BS ○ FS - SS	Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.				
		3795		96° 31' 47"	11.4				+35.4	613.6	578.19	A	334	605		
				269° 37' 44"	11.4							A				
		3520		90° 24' 50"	11.4				-36.6		577.0		335			
		2640		90° 55' 50"	11.4				-54.1		559.5		336			
		1760		92° 22' 20"	11.4				-84.2		529.4		337			
		880		83° 43' 30"	11.4				-68.6		545.0		338			
		0		90° 00' 00"	5.0				-5.0		608.6	X	339			
		880		86° 33' 00"	11.4				+41.6		655.2		340			
		1760		86° 47' 20"	11.4				+87.2		700.9		341			

WORKED BY Sabriel Perez CHECKED BY John Walson 2nd _____

STADIA SURVEY NOTES

AREA Atukok River STATE AK. PAGE No. 236
 LINE No. 725 PARTY No. 1182 DATE Day 25 Mo. 2 Yr. 80 BOOK No. _____
 SURVEYOR Perez RODMAN Walsh WEATHER _____ PT.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲ BS ○ FS - SS	Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.				
		<u>3640</u>		<u>86°47'00"</u>		<u>11.4</u>			<u>+136.9</u>	<u>613.6</u>	<u>750.5</u>		<u>342</u>			
		<u>3520</u>		<u>86°34'50"</u>		<u>11.4</u>			<u>+198.8</u>		<u>812.4</u>		<u>343</u>			
		<u>4400</u>		<u>86°44'00"</u>		<u>11.4</u>			<u>+239.3</u>		<u>853.0</u>	○	<u>344</u>			
				<u>273°15'24"</u>		<u>11.4</u>					<u>854.1</u>	○				
											<u>1.1</u>		<u>E.O.C.</u>			
		<u>880</u>		<u>92°31'03"</u>		<u>11.4</u>			<u>+50.1</u>	<u>904.2</u>		Δ	<u>344</u>			
		880		<u>267°28'29"</u>		<u>11.4</u>						Δ				
		<u>0</u>		<u>90°00'00"</u>		<u>5.4</u>			<u>-5.4</u>		<u>898.8</u>	π	<u>345</u>			
		880		<u>90°45'24"</u>		<u>11.4</u>			<u>-23.0</u>		<u>881.2</u>	○	<u>346</u>			
		<u>880</u>		<u>269°44'18"</u>		<u>11.4</u>					<u>881.4</u>	○				
											<u>0.2</u>		<u>E.O.C.</u>			

WORKED BY Jabril Perez CHECKED BY John Walsh 2nd _____

STADIA SURVEY NOTES

AREA Utukok River STATE AK. PAGE No. 237
 LINE No. 725 PARTY No. 1182 DATE Day 25 Mo. 2 Yr. 80 BOOK No. _____
 SURVEYOR PEREZ RODMAN Walsanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		BS FS SS	Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD				
		5445		89° 06' 41"	11.4						-73.1	808.3	881.44	Δ	346		
				270° 22' 39"	11.4									Δ			
		4565		89° 24' 00"	11.4						+36.8		845.1		347		
		3685		89° 58' 50"	11.4						-9.9		798.4		348		
		2805		90° 49' 50"	11.4						-51.9		756.4		349		
		1925		92° 50' 30"	11.4						-106.8		701.6		350		
		1045		93° 38' 10"	22.0						-88.2		720.1		351		
		165		91° 24' 30"	11.4						-15.4		792.9		352		
		0		90° 00' 00"	44.5						-5.0		803.3	X	353 + 145		
		715		91° 07' 40"	11.4						-25.3		782.8		353		

WORKED BY Samuel Perez CHECKED BY John Walsanen 2nd _____

STADIA SURVEY NOTES

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AREA Waukok River STATE AK. PAGE No. 238
 LINE No. 725 PARTY No. 1182 DATE Day 25 Mo. 2 Yr. 80 BOOK No. _____
 SURVEYOR Perez RODMAN Walsonen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
		1595		89°29'30"	11.4					+2.8	808.3			354		
		2310		89°46'15"	11.4					-2.0		806.3	○	354+715		
				270°13'30"	11.4							806.8	○			
												0.3	E.O.C.			
		7150		88°01'08"	11.4					-236.4	570.4		▲	354+715		
				271°52'28"	11.4								▲			
		6985		88°01'10"	11.4					+231.0		801.4		355		
		6105		88°11'00"	11.4					+182.9		753.3		356		
		5225		88°25'30"	11.4					+133.0		705.4		357		
		4345		88°43'10"	11.4					+86.1		656.5		358		
		3465		89°38'10"	11.4					+10.8		581.2		359		

WORKED BY Jabiel Perez CHECKED BY John Wain 2nd

STADIA SURVEY NOTES

AREA Utukok River STATE AK PAGE No. 239
 LINE No. 725 PARTY No. 1182 DATE Day 25 Mo. 2 Yr. 1980 BOOK No. 1
 SURVEYOR Perez RODMAN Walsanen WEATHER _____ P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
										570.4					
		2585		91° 51' 00"		11.4				-98.5	471.9	360			
		1705		95° 42' 10"		11.4				-180.8	389.6	361			
		825		93° 49' 00"		11.4				-66.3	504.1	362			
		0		90° 00' 00"		5.2				-5.2	565.2	362 + 825			
		55		84° 20' 20"		11.4				-6.0	564.4	363			
		935		87° 28' 10"		11.4				+29.9	600.3	364			
		1430		87° 59' 00"		11.4				+38.9	609.3	364 + 495		4 pins back In. 65	
				272° 00' 37"		11.4					609.7				
											0.4 P.O.C.				
		3025		91° 21' 50"		11.4				+83.5	693.2	364 + 495			
				362° 37' 33"		11.4									

WORKED BY Sabriel Perez CHECKED BY John Walsanen 2nd _____ TI-588D

STADIA SURVEY NOTES

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AREA Utukok River STATE AK. PAGE No. 240
 LINE No. 725 PARTY No. 1182 DATE Day 25 Mo. 2 Yr. 1980 BOOK No. _____
 SURVEYOR Perez RODMAN Waisanen WEATHER _____ P.T.S. No. _____

LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
												693.2				
		2640		91°42'50"		11.4					-90.2	603.0		365		
		1760		92°16'30"		11.4	22.0				-91.7	601.5		366		
		880		91°31'30"		11.4					-34.8	658.4		367		
		441		90°40'07"		11.4					-16.6	676.59	SS	80239	T.B.M. Elev. 676.71	
				269°19'16"		11.4							SS			
		0		90°00'00"		5.0					-5.0	688.2	K	751		
		880		89°19'20"		11.4					-1.0	692.2		752		
		1760		88°43'20"		11.4					+27.9	721.1		753		
		2640		87°57'30"		11.4					+82.8	776.0		754		
		3520		87°21'30"		11.4					+151.1	844.3		755		
		4400		87°15'15"		11.4					+197.8	893.0		756		
											-16.6	676.6			TBM 80239 Elev. 676.71	
												676.7				

WORKED BY Samuel Perez CHECKED BY John Waisanen 2nd _____
 O.I.E.C.