

### STADIA SURVEY NOTES

AREA BATTERY LAKE STATE or PROVINCE Part 4 - ALASKA PAGE No. 1  
 LINE No.(s) 46 PARTY No. 1184 DATE 11<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. MUMFAY RODMAN D JENSEN WEATHER: Clear & Cold P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1																
2																
3																
4																
5																
6												1284.10		o	TBM #4619 & 684	
7	N	2640		90 19 28				10.0	+24.9	+24.9	1309.5			A		
8	"	2640		269 40 28				10.0	+25.0					A	check	
9	"	1760		90 20				13.0		-23.2		1286.3			SP-688	
10	"	880		90 20				8.8		-13.9		1295.6			SP-689	
11	-	0	-					5.8		-5.8		1303.7			SP-690	
12	S	880		89 30				10.8		-3.1		1306.7			SP-691	
13	"	1760		89 30				12.2		+3.2		1312.7			SP-692	
14	"	2640		89 31 14				10.0	+12.1	+12.1		1321.6		o	SP-693	
15	"	2640		870 28 54				10.0	+12.2					o	check	
16	N	2640		90 19 36				10.0	+25.1	+25.1	1346.7			A		
17	"	2640		269 40 13				10.0	+25.2					A	check	
18	"	1760		90 20				8.2		-18.4		1328.3			694	
19	"	880		-				12.8		-12.8		1333.9			695	
20	-	0	-					5.8		-5.8		1340.9			696	

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## STADIA SURVEY NOTES

AREA: BATTERY Lake STATE or PROVINCE: Ret 4 - ALASKA PAGE No. 2  
 LINE No.(s) 46 PARTY No. 1184 DATE: 11<sup>th</sup> Day MARCH No. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKay RODMAN D. JENSEN WEATHER: Clear & Cold 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												1346.7				
2	S	880		89 40				3.4		+1.7		1348.4		59 697		
3	"	1760		89 30				5.4		+10.0		1356.7		698		
4	"	2640		89 20				13.1		+17.6		1364.3		699		
5	"	3520		89 20				14.9		+26.1		1372.8		700		
6	"	<del>3520</del>												o	check	
7	N	2640		90 19 36				10.0	-25.1	-25.1		1321.6		o	check	
8	"	2640		269 40 13				10.0	-25.7					o	check	
9	S	2640		89 21 14				10.0	-12.1	-12.1	1309.6			A	check	
10	"	2640		270 22 54				10.0	-12.2					A	check	
11	N	2640		90 19 22				10.0	-24.9	-24.9		1284.6		o	check	TBM 4619
12	"	2640		269 40 26				10.0	-25.0					o	check	
13												1284.6			Elev.	
14												0.0			ver. misc	
15																
16																
17																
18																
19																
20																

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## STADIA SURVEY NOTES

AREA BATTERY LANE STATE or PROVINCE Feet 4 - ALASKA PAGE No. 3  
 LINE No.(s) 46 PARTY No. 1184 DATE 11<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McMay RODMAN D. JENSEN WEATHER: Clear & Cold 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																
3																
4																
5																
6												1284.6	0			TBM #4619 SP 687
7	S	2640		89 25 23					5.0	-21.6	-21.7	1262.9				
8	"	2640		270 34 48					5.0	-21.7						check
9	"	1760		89 40					7.9		+2.3	1265.2				686
10	"	880		89 40					7.4		-2.3	1260.6				685
11	-	0	-						5.8		-5.8	1257.1				684
12	N	880	-						5.8		-5.8	1257.1				683
13	"	1760	-						14.5	-14.5	-14.6	1248.2	0			682 12477
14	"	1760		268 58 42					14.0	-14.7						check
15	S	1870		89 44 44					10.0	+1.7	+1.8	1250.1				
16	"	1870		770 14 53					10.0	+1.9						check
17	"	990	-						3.8		-3.8	1246.3				681
18	"	110	-						-12.3		-12.3	1237.8				680
19	N	0	-						5.8		-5.8	1244.3				679+4
20	S	770	-						-7.6		-7.6	1242.5				679

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STADIA SURVEY NOTES

AREA BATTERY LAKE STATE or PROVINCE Pet 4 - ALASKA PAGE No. 4  
 LINE No.(s) 46 PARTY No. 1184 DATE Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKay RODMAN D. JENSEN 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												1250.1				
2	N	1650	—						10.0		-10.0	1240.1		678		
3	"	<del>1650</del>												<del>check</del>		
4	"	1980		89	09	09			5.0	+24.3	+24.3	1274.4	0	677 + 3	1273.5	
5	"	1980		270	50	49			5.0	+24.3				check		
6				<del>89</del>	<del>09</del>	<del>09</del>										
7	S	1430		89	11	23			5.0	-15.2	-15.2	1259.2		A		
8	"	1420		270	48	42			5.0	-15.3				A	check	
9	"	880		89	10				4.1		+8.7	1267.9		679		
10	—	0	—						5.8		-5.8	1253.4		676		
11	N	880		89	40				3.4		+1.7	1260.9		675		
12	"	1760		88	35	04			5.0	+38.0	+37.9	1297.1	0	674	1295.8	
13	"	1760		271	23	31			5.0	+37.8			0	check		
14	S	2090		91	51	26			15.0	+82.7	+82.7	1379.8		A		
15	"	2090		268	02	43			15.0	+82.6				A	check	
16	"	1210		92	50				11.8		-71.6	1308.2		673		
17	"	330		92	20				14.6		-28.0	1351.8		672		
18	N	550		99	50				1.2		+0.4	1380.2		671		
19	"	1320		89	41	45			10.0	-3.0	-3.0	1376.8	0	670 + 1	1375.1	
20	"	1320		290	18	23			10.0	-2.9			0	check		

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### STADIA SURVEY NOTES

AREA IPNAVIK RIVER STATE or PROVINCE Part 4 - ALASKA PAGE No. 5  
 LINE No.(s) 46 PARTY No. 1184 DATE 12<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHARY RODMAN D. JENSEN WEATHER: Clear & Cold 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	S	1320		89 14 17				5.0	-12.6	-12.5	1364.3		1376.8			
3	"	1320		87 45 36				5.0	-12.5					A		
4	"	1210		89 10				5.8		+11.8			1376.1		6670	
5	"	330		89 10				3.6		+1.2			1365.5		6669	
6	-	0						5.8		-5.8			1358.5		6683 + 3	
7	N	550		91 40				13.8		-29.8			1334.5		668	
8	"	1430		91 50				14.7		-60.4 ✓			1303.9 ✓		667	
9	"	1980		72 12 14				14.0	-90.1	-90.2			1274.1	⊙	6666 + 2	1272.1
10	"	1980		267 47 34				14.0	-90.3					⊙	check	
11	S	1760		88 01 42				5.0	-55.6	-55.4	1218.7			A		
12	"	1960		271 57 50				5.0	-55.3					A	check	
13	"	1430		88 30				11.2		+26.2			1244.9		6666	
14	"	550		89 30				3.9		+0.9			1219.6		665	
15	-	0	-					5.8		-5.8			1212.9		664 + 3	
16	N	330		90 30				14.7		-17.6			1201.1		664	
17	"	440		90 10				14.5		-15.8			1202.9		663 + 4	
18	"	1210		85 48 51				5.0		+83.3			1302.0		663	
19	"	2090		86 04 00				8.0	+135.4	+135.4			1354.1	⊙	6662	1351.6
20	"	2090		273 56 10				8.0	+135.5					⊙	check	

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STADIA SURVEY NOTES

AREA CULA CREEK STATE or PROVINCE Pat. 4 - ALASKA PAGE No. 40  
 LINE No.(s) 46 PARTY No. 1184 DATE 13<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKay RODMAN D. JENSEN 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	Correction	Center Hair			INST.	ROD			
1													1354.1			
2	S	2640		93 44 32				14.0	+186.3	+186.3	1540.4			A		
3	S	2640		266 15 29				14.0	+186.3					A	check	
4	11	1760		93 50				13.1		-130.8			1409.6		661	
5	11	880		93 50				13.8		-72.6			1467.8		660	
6	—	0		—				5.8		-5.8			1534.6		659	
7	N	360		88 15 56				7.0	+3.9	+3.9			1544.3	o	TR-1 - 51 658 + 524	
8	11	360		271 43 56				7.0	+3.9					o	check also TBM #4618	
9													1541.5		Elev. 1541.5	
10													+ 2.8		Var. mistie	
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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**STADIA SURVEY NOTES**

AREA COLA CREEK STATE or PROVINCE Ret. 4 - ALASKA PAGE No. 7  
 LINE No.(s) 46 PARTY No. 1184 DATE 16<sup>th</sup> Day MARCH Mo. 1947 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHAY RODMAN D. JENSEN WEATHER: Clear 3 warm P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2															
3															
4															
5															
6											1541.5	0			
7	S	860		88 20	58			10.0	-14.8	-14.8	1526.7	A			
8	"	860		271 38	57			10.0	-14.8			A	check		
9	"	330		88 20				2.9		+6.7	1533.4		658		
10	# -	0						5.8		-5.8	1520.9		657+3		
11	N	550		91 40				14.2		-30.2	1496.5		656		
12	"	1430		92 20				12.4		-70.6	1456.1		656		
13	"	2310		92 00	50			12.5	-93.7	-93.7	1433.0	0	655		
14	"	2310		267 59	11			12.5	-93.7			0	check		
15	S	2640		89 23	14			5.0	-23.2	-23.1	1409.9	A			
16	"	2640		270 36	27			5.0	-23.0			A	check		
17	"	1760		89 30				8.0		+7.4	1417.3		654		
18	"	880		89 30				14.3		-6.6	1403.3		653		
19	-	0						5.8		-5.8	1404.1		652		
20	N	880		90 30				13.7		-21.4	1388.5		651		

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**STADIA SURVEY NOTES**

AREA COLA CREEK STATE or PROVINCE Ret. 4 - ALASKA PAGE No. 8  
 LINE No. (s) 46 PARTY No. 1184 DATE 13<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McRAY RODMAN D. JENSEN WEATHER: Clear & Cool 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												1409.9				
2	N	1760		90 30				10.8				1384.0		650		
3	"	2640		90 42 43				14.0	-46.8	-46.8		1363.1	⊙	649		1362.8
4	"	2640		269 17 22				14.0	-46.7				⊙	check		
5	S	2090		90 30 29				10.0	+28.5	+28.6	1391.7		Δ			
6	"	2090		269 29 26				10.0	+28.6				Δ	check		
7	"	1210		90 20				13.7		-20.7		1371.0		648		
8	"	330	-					13.5		-13.5		1378.2		647		
9	-	0	-					5.8		-5.8		1385.9		646 + 3		
10	N	550	-					5.2	-5.2	-5.2		1386.5	⊙	646		TP-2
11	"	550		270 00 05				5.2	-5.2				⊙	check		
12	S	2640		88 17 36				10.0	-68.6	-68.7	1317.8		Δ			
13	"	2640		271 42 36				10.0	-68.8				Δ	check		
14	"	1760		88 20				5.7		+45.5		1363.3		645		
15	"	880		88 50				4.2		+13.7		1331.5		644		
16	-	0	-					5.8		-5.8		1312.0		643		
17	N	880		91 30				14.2		-37.2		1280.6		642		
18	"	1760		92 14 11				14.0		-83.7		1234.1		641		
19	"	2640		92 14 51				14.0	-117.5	-117.5		1200.3	⊙	640		1199.8
20	"	2640		267 45 11				14.0	-117.5				⊙	check		

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**STADIA SURVEY NOTES**

AREA Colville RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 9  
 LINE No.(s) 46 PARTY No. 1184 DATE 13<sup>th</sup> Day MARCH Mo. 1927 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHarty RODMAN D. JENSEN WEATHER: Clear & cold 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												1200.3				
2	S	2640		89 38 25				10.0	-98.7	-98.7	1101.6		A			
3	"	2640		272 21 41				10.0	-98.8				A	check		
4	"	1780		87 50				9.2		+58.0		1159.6			639	
5	"	880		87 50				6.0		+27.3		1128.9			638	
6	-	0	-					5.8		-5.8		1095.8			637	
7	N	880		91 10				10.0		-27.9		1073.7			636	
8	"	1760		90 50				12.7		-38.3		1063.3			635	
9	"	2640		90 32 12				10.0	-34.7	-34.7		1066.9		⊙	634	1066.2
10	"	2640		269 28 00				10.0	-34.6					⊙	check	
11	S	2640		90 59 41				10.0	+55.8	+55.7	1122.6			A		
12	"	2640		269 10 32				10.0	+55.7					A	check	
13	"	1760		91 00				10.0		-40.7		1081.9			633	
14	"	880		91 00				9.8		-25.2		1097.4			632	
15	-	0	-					5.8		-5.8		1116.8			631	
16	N	880		89 10				3.2		+9.6		1132.2			630	
17	"	1760		88 40				7.0		+34.0		1156.6			629	
18	"	2640		89 39 02				5.0	+57.2	+57.3		1179.9		⊙	628	1179.0
19	"	2640		271 21 N				5.0	+57.3					⊙	check	
20																

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**STADIA SURVEY NOTES**

AREA Colville RIVER STATE or PROVINCE Ret. 4 - ALASKA PAGE No. 10  
 LINE No.(s) 46 PARTY No. 1184 DATE 14<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHarg RODMAN D. JENSEN WEATHER: Cloudy, Cool & Windy 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													1179.9		
2	S	1760		89 44 22				5.0	-3.1	-3.1	1176.8		A		
3	"	1760		270 16 01				5.0	-3.2				A	check	
4	"	880		89 40				4.2		+0.9			1177.7	627	
5	—	0	—					5.8		-5.8			1171.0	626	TP-23
6	N	880	—					14.8		-14.8			1162.0	625	
7	"	1760	—					3.8		-3.8			1173.0	624	
8	"	2640	—					5.7	-5.7	-5.5			1171.3	623	1170.3
9	"	2640		269 59 34				5.0	-5.3				6	check	
10	S	3520		89 34 36				10.0	-16.0	-16.2	1155.1		A		
11	"	3520		270 25 50				10.0	-16.5				A	check	
12	"	2640		89 30				9.9		+13.1			1168.2	622	
13	"	1760		89 30				6.3		+9.1			1164.2	621	
14	"	880		89 40				3.0		+2.1			1157.2	620	
15	—	0	—					5.8		-5.8			1149.3	619	
16	N	880		92 20				13.4		-49.2			1105.9	618	
17	"	1760		92 26 39				22.5		-97.6			1057.5	617	(8.5 Recor)
18	"	2640		52 10				2.0		-108.8			1046.3	616	
19	"	3520		91 20				12.3		-94.2			1060.9	615	
20	—	<del>2000</del>											<del>6</del>	<del>check</del>	

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## STADIA SURVEY NOTES

AREA Colville RIVER STATE or PROVINCE Pet. 4 - ALASKA PAGE No. 11  
 LINE No.(s) 46 PARTY No. 1184 DATE 14<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHAY RODMAN D. JENSEN WEATHER: Cloudy, cool & windy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD		
1												1155.1			
2	N	3850		91 09 45				10.0	-88.1	-87.9		1067.2	⊙	614 + 3	1066.0
3	"	3850		268 50 39				10.0	-87.7				⊙	check	
4	S	1540		89 20 11				14.0	-3.8	-3.9	1063.3		⊙		
5	"	1540		270 39 58				14.0	-3.9	"			⊙	check	
6	"	990		89 20				10.8		+0.7		1064.0		614	
7	"	110	-					1.4		-1.4		1061.9		613	
8	"	0						5.8		-5.8		1057.5		612 + 4	
9	N	770		95 20				11.8		-83.4		979.9		612	
10	"	1650		93 00				6.6		-93.0		970.3		611	Colville RIVER
11	"	2530		92 00				3.4		-91.7		971.6		610	
12	"	3410		91 11 24				10.0	-80.8	-80.6		982.7	⊙	609	981.3
13	"	3410		268 49 00				10.0	-80.4				⊙	check	
14	S	1760		89 48 49				10.0	+4.3	+4.2	986.9		⊙		
15	"	1760		270 11 40				10.0	+4.0				⊙	check	
16	"	880	-					3.2		-3.2		983.7		608	
17	"	0	-					5.8		-5.8		981.1		607	
18	N	880		89 10				5.9		+6.9		993.8		606	
19	"	1760		88 40				8.3		+32.7		1019.6		605	
20															

TI-588B

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STADIA SURVEY NOTES

AREA COLVILLE RIVER STATE or PROVINCE Pat. 4 - ALASKA PAGE No. 12  
 LINE No.(s) 46 PARTY No. 1184 DATE 16<sup>th</sup> Day MARCH No. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McAtty RODMAN D. JENSEN WEATHER: Cloudy, snow & cold P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD		
1												986.9			
2	N	2690		87 52 56				5.0	+92.6	+92.7		1079.6	⊙	604	1078.0
3	"	2690		87 07 23				5.0	+92.8				⊙	check	
4	S	770		97 06 38				10.0	+105.3	+105.2	1184.8		Δ		
5	"	770		262 54 11				10.0	+105.1				Δ	check	
6	—	0	—					5.8		-5.8		1179.0		603-1	
7	N	110	—					2.9		-2.9		1181.9		603	
8	"	990		86 00				7.5		+61.6		1246.4		602	
9	"	1100		86 09 16				10.0	+63.8	+63.9		1248.7	⊙	601 + 4	TP-4
10	"	1100		273 51 16				10.0	+63.9				Δ	check	
11	S	2530		89 48 13				5.0	-3.6	-3.7	1245.0		Δ		
12	"	2530		270 11 58				5.0	-3.8				Δ	check	
13	"	1760	—					5.2		-5.2		1239.8		601	
14	"	880		90 20				10.9		-16.0		1229.0		600	
15	—	0	—					5.8		-5.8		1239.2		599	
16	N	190	—					7.2	-7.2	-7.2			⊙	598 + 690	TP-5 1/2
17	"	190		269 20 18				5.0	-7.2			1237.8	⊙	check	TBM # 4616
18	S											1236.1		Elev	LOCATED IN T66-R214
19	"											+1.7		Ver. mistake	12361
20															

TI-508B

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### STADIA SURVEY NOTES

AREA COLVILLE RIVER STATE or PROVINCE Pet 4 - ALABAMA PAGE No. 13  
 LINE No.(s) 46 PARTY No. 1184 DATE 16<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McRAY RODMAN D. JENSEN WEATHER: Cloudy, Snow & cold 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															
4															
5															
6												1836.1	o		
7	S	1570		88 23 48					5.0	-38.9	-39.0	1190.1		A	
8	"	1570		271 36 26					5.0	-39.0				A	
9	"	880		88 30					5.6		+17.4	1214.5			598
10	-	0	-						5.8		-5.8	1191.3			597
11	N	880		91 30					13.9		-36.9	1160.2			596
12	"	990		91 46 52					14.0	-43.6	-43.6	1153.5	o		595 + 4 1153.8
13	"	990		268 19 22					14.0	-43.6			o		check
14	S	1320		89 26 15					5.0	-8.0	-8.0	1145.5		A	
15	"	1320		270 34 10					5.0	-8.1				A	check
16	"	460		94 30					13.6		-65.4	1080.1			595 + 1
17	"	550		94 40					14.3		-59.0	1086.5			595
18	-	0	-						5.8		-5.8	1139.7			594 + 2
19	N	330		89 20					2.6		+12.8	1158.3			594
20	"	1210		86 20					1.0		+76.4	1221.9			593

TI-588B

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*M*

## STADIA SURVEY NOTES

AREA Colville RIVER STATE or PROVINCE PET 4 - ALASKA PAGE No. 14  
 LINE No. (s) 46 PARTY No. 1184 DATE 16<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKay RODMAN D. JENSEN WEATHER: Cloudy, snow & cold 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												1175.5				
2	N	1760		86 17 03				14.0	+100.1	+100.2		1245.7	⊙	592 + 2	1246.5	
3	"	1760		203 43 27				14.0	+100.3				⊙	check		
4	S	1246		89 54 02				6.0	+3.8	+3.8		1249.5	Δ			
5	S	1240		270 06 13				6.0	+3.8				Δ	check		
6	"	890	-					1.1		-1.1		1248.4		592		
7	+	330	-					<del>5.8</del>	2.9	-2.9		1246.6		591 + 2 TP-16		
8	-	0	-					5.8		-5.8		1243.7		591		
9	N	880		91 20				14.1		-34.6		1214.9		590		
10	"	1740		91 51 42				14.0	-71.2	-71.0		1178.5	⊙	589	1179.7	
11	"	1760		268 08 49				14.0	-70.9				⊙	check		
12	S	2640		76 45 57				5.0	-143.9	-144.1		1034.4	Δ			
13	"	2640		273 14 28				5.0	-144.3				Δ	check		
14	"	1760		87 10				2.4		+84.6		1119.0		588		
15	"	880		87 40				2.8		+33.0		1067.4		587		
16	-	0						5.8		-5.8		1028.6		586		
17	N	880		91 30				10.6		-33.6		1000.8		585		
18	"	1760		91 30				13.9		-60.0		974.4		584		
19	"	2440		91 40 00				5.0	-81.9	-81.6		952.8	⊙	583	954.7	
20	"	2440		208 20 35				5.0	-81.3				⊙	check		

TI-588B

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**STADIA SURVEY NOTES**

AREA Colville RIVER STATE or PROVINCE Pat. 4 - ALASKA PAGE No. 15  
 LINE No.(s) 46 PARTY No. 1184 DATE 16<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHAY RODMAN D. JENSEN WEATHER: Cloudy, Snow & Cold 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													952.8			
2	S	3190		89 17 20				10.0	-29.4	-29.8	923.0		Δ			
3	"	3190		270 43 03				10.0	-29.9				Δ	check		
4	"	2310		89 20				7.0		+14.9			942.9		582	
5	"	1430		89 50				12.2		-8.0			915.0		581	
6	"	550		91 50				12.0		-29.4			893.4		580	MARKER PIPE
7	-	0	-					5.8		-5.8			917.2		579 + 2	
8	N	330	-					6.4		-6.4			916.6		579	
9	"	1210		89 30				6.5		+4.1			927.1		578	
10	"	2090		89 15 15				5.0	+22.2	+22.2			945.2	⊙	577	947.8
11	"	2090		270 44 53				5.0	+22.3					⊙	check	
12	S	1760		90 31 19				5.0	+31.3	+31.3	976.5			Δ	check	
13	"	1760		269 08 43				5.0	+31.3					Δ	check	
14	"	880		90 20				11.9		-17.0			959.5		576	
15	-	0	-					5.8		-5.8			970.7		575	
16	N	880		90 08 37				10.0	-12.2	-12.2			964.3	⊙	574	967.2
17	"	880		269 51 28				10.0	-12.2					⊙	check	
18	S	1760		89 45 40				5.0	-33.1	-33.1	931.2			Δ		
19	"	1760		271 14 21				5.0	-33.1					Δ	check	
20	"	880		88 50				2.3		+15.6			946.8		573	

TI-588B

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### STADIA SURVEY NOTES

AREA Colville & Lookout RIVERS STATE or PROVINCE RET. 4 - ALASKA PAGE No. 16  
 LINE No.(s) 46 PARTY No. 1184 DATE 17<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. MESSY RODMAN D. JENSEN WEATHER: cloudy, windy, cold & snow P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD		
1												931.2			
2	—	0	—					5.8		-5.8		925.4		572	
3	N	880		92 10			11.1			-44.4		886.8		571	
4	"	1760		90 46 23			5.0			-28.7		902.5		570	
5	"	2640		90 05 12			5.0		-9.0	-8.8		922.4	0	569	925.9
6	"	2640		269 55 13			5.0		-8.7				0	check	
7	S	1760		91 22 08			10.0		+52.0	+52.1	974.5		Δ		
8	"	1760		268 37 49			10.0		+52.1				Δ	check	
9	"	880		90 40			14.5			-24.7		949.8		568	
10	—	0	—				5.8			-5.8		968.7		567	
11	N	880		88 50			3.3			+14.6		989.1		566	
12	"	1760		88 57 51			10.0		+21.8	+21.8		996.3	0	565	1000.3
13	"	1760		221 02 03			10.0		+21.8				0	check	
14	S	880		89 52 57			5.0		+3.2	+3.2	999.5		Δ		
15	"	880		270 07 21			5.0		+3.1				Δ	check	
16	—	0	—				5.8			-5.8		993.7		564	
17	SW	480		89 18 46			5.0		+0.8	+0.8			0		TIE to
18	"	480		270 41 38			5.0		+0.8			1000.3	0	TBM # 4614	
19												1004.5		ELEV.	1004.5
20												-4.2		VER. MISTIE	

TI-5888

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STADIA SURVEY NOTES

AREA Lockout RIVER STATE or PROVINCE Pet. 4 - ALASKA PAGE No. 17  
 LINE No.(s) 46 PARTY No. 1184 DATE 17<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKAY RODMAN P. JENSEN WEATHER: Cloudy, windy, cold & snow 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					T.M.E.		2 F F	73.00		F 46.14						
2																
3																
4																
5																
6												1004.5	0	T.S.M # 4614		
7	SW	480		89 18 46				5.0	-0.8	-0.8	1003.7		Δ			
8	"	480		710 41 38				6.0	-0.8				Δ	check		
9	N	880		90 10				13.4		-16.0		987.7		563		
10	"	1760		90 50 40				10.0	-35.9	-35.8		962.9	0	566		
11	"	1760		269 09 48				10.0	-35.7				0	check		
12	S	2090		88 09 20				14.0	-53.3	-53.3	914.6		Δ			
13	"	2090		271 30 45				14.0	-53.3				Δ	check		
14	"	1210		33 20				5.2		+30.0		944.6		561		
15	"	330		88 50				1.0		+5.7		928.3		560		
16	-	0						5.8		-5.8		908.8		559 + 3		
17	N	550		91 20				14.6		-27.4		887.2		559		
18	"	1430		91 00				14.6		-39.5		875.1		558		
19	"	2310		90 20 48				10.0	-24.0	-23.8		890.8	0	557		890.4
20	"	2310		269 39 36				10.0	-23.7				0	check		

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**STADIA SURVEY NOTES**

AREA Lookout RIVER STATE or PROVINCE Pet. 4 - ALASKA PAGE No. 18  
 LINE No.(s) 44 PARTY No. 1184 DATE 17<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McManis RODMAN D. JENSEN WEATHER: Cloudy, cold, windy & snow 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	S	1210		92 10 08				14.0	+59.8	+59.7	950.5		890.8	0		
3	"	1210		267 50 09				14.0	+59.7					Δ	CHECK	
4	"	330		90 20				14.3		-10.2			934.3		556	
5	—	0						5.8		-5.8			944.7		555 +3	
6	N	550		89 50				5.3		-3.7			946.8		555	
7	"	1100		90 00 15				14.0	-17.1	-14.0			936.5	0	554 +2	
8	"	1100		270 00 14				14.0	-13.9					0	CHECK	
9	S	1210		88 13 05				10.0	-27.6	-27.7	908.8			Δ		
10	"	7210		271 47 13				10.0	-27.7					Δ	CHECK	
11	"	880		88 30				2.5		+20.5			929.3		554	
12	—	0						5.8		-5.8			903.0		553	
13	N	880		93 08 32			(8.5 foot)	22.5		-70.7			838.1		552	
14	"	1760		91 52 19				14.0	-71.5	-71.4			837.4	0	551	836.6
15	"	1760		268 07 56				14.0	-71.4					0	CHECK	
16																
17																
18																
19																
20																

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**STADIA SURVEY NOTES**

AREA LOOKOUT RIVER STATE or PROVINCE Ret. 4 - ALASKA PAGE No. 19  
 LINE No.(s) 46 PARTY No. 1184 DATE 19<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKay RODMAN D. JENSEN WEATHER: clear & cold 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												837.4	⊙	551	
2	S	1760		90 17 21				10.0	+18.9	+18.8	856.2		Δ		
3	"	1760		269 43 07				10.0	+18.6				Δ	check	
4	"	880		90 10				14.8		-17.4		838.8		550	<u>LOOKOUT RIVER</u>
5	-	0	-					5.2		-5.8		850.4		549	
6	N	880		88 40				6.0		+14.5		870.7		548	
7	"	1760		88 40				9.6		+31.4		887.6		547	
8	"	2640		88 43 27				10.0	+48.8	+48.8		905.0	⊙	546	
9	"	2640		271 16 33				10.0	+48.8				⊙	check	
10	S	2640		92 09 28				10.0	+109.4	+109.5	1014.5		Δ		
11	"	2640		227 50 12				10.0	+109.7				Δ	check	
12	"	1760		92 20				12.7		-84.4		930.1		545	
13	"	880		92 30				13.1		-57.5		963.0		544	
14	-	0	-					5.8		-5.8		1008.7		543	
15	N	880		86 20				13.0		+43.3		1057.8		542	
16	"	1760		86 20				6.5		+106.1		1120.6		541	
17	"	2640		85 23 35				5.0	+209.0	+209.0		1221.5	⊙	540	1220.1
18	"	2640		274 36 23				5.0	+209.0				⊙	check	
19	S	550		97 19 32				14.0	+84.1	+84.1	1305.6		Δ		
20	"	550		262 40 18				14.8	+84.2				Δ	check	

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### STADIA SURVEY NOTES

AREA Lookout River STATE or PROVINCE Ret. 4 - ALASKA PAGE No. 20  
 LINE No.(s) 46 PARTY No. 1184 DATE 19<sup>th</sup> Day MARCH No. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McMay RODMAN D. JENSEN WEATHER: Clear, cold & windy P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadio Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1305.6				
2	—	D	—					5.8		-5.8		1299.8		539	+2	
3	N	330		84 40			3.6		+15.6			1321.2		539		
4	"	1210		84 30			5.8		+68.1			1373.7		538		
5	"	1540		86 87 30			7.0	+88.1	+88.3			1393.9	0	537	+3	TR 10 ✓
6	"	1540		87 33 19			7.0	+88.5					0	check		
7	S	2090		88 38 09			6.0	-43.8	-43.7		1350.2		Δ			
8	"	2090		87 21 48			6.0	-43.7					Δ	check		
9	"	1760		88 40			4.5		+36.5			1386.7		537		
10	"	880		89 00			2.8		+12.6			1362.8		536		
11	—	0	—				5.8		-5.8			1344.4		535		
12	N	880		92 40			13.4		-54.3			1295.9		534		
13	"	1760		92 40			9.9		-91.8			1258.4		533		
14	"	2640		92 10 07			10.0	-109.9	-110.0			1240.2	0	532		1238.4
15	"	2640		267 49 40			10.0	-110.1					0	check		
16	S	2970		87 45 27			5.0	-111.2	-111.2		1129.0		Δ			
17	"	2970		87 14 24			5.0	-111.1					Δ	check		
18	"	2090		87 50			8.4		+70.6			1199.6		531		
19	"	1210		88 40			6.2		+22.0			1156.0		530		
20	"	330		89 20			3.4		+0.4			1129.4		529		

TI-598B

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**STADIA SURVEY NOTES**

AREA AWUNA RIVER STATE or PROVINCE Pet. 4 - ALASKA PAGE No. 21  
 LINE No.(s) 46 PARTY No. 1184 DATE 1974 Day MARCH Mo. 1974 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKay RODMAN D. JENSEN WEATHER: CLEAR, COLD & WINDY 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												1129.0				
2	—	0	—								5.8	-5.8	1123.2		528+3	
3	N	550	—	91 20							15.0	-27.8	1101.2		528	
4	"	1430	—	92 10							11.7	-65.8	1063.2		527	
5	"	2310	—	92 20							9.3	-107.3	1025.7		526	
6	"	3190	—	91 51 22							10.0	-113.3	1015.7	0	525	
7	"	3190	—	268 09 45							10.0	-113.2		0	CHECK	
8	S	2640	—	89 41 56							10.0	-3.9	-3.9	1011.8		Δ
9	"	2640	—	200 18 04							10.0	-3.9			Δ	CHECK
10	"	1760	—								8.7	-8.7	1003.1		524	
11	"	880	—								9.6	-9.6	1002.2		523	
12	—	0	—								5.8	-5.8	1006.0		522	
13	N	880	—								6.7	-6.7	1005.1		521	
14	"	1760	—								13.3	-13.3	-13.3	998.5	0	520 MARKER PIPE
15	"	1760	—	269 53 44							10.0	-13.2		0	CHECK # 9960	
16	S	2640	—	89 52 16							10.0	+4.1	+4.0	1002.5		Δ
17	"	2640	—	270 07 51							10.0	+4.0			Δ	CHECK
18		1760	—	89 50							14.9	-9.8	992.7		519	
19		880	—	89 50							13.9	-11.3	991.2		518	
20	—	0	—								5.8	-5.8	996.7		517	

TI-588B

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**STADIA SURVEY NOTES**

AREA AWUNA RIVER STATE or PROVINCE Pet. 4 - ALASKA PAGE No. 22  
 LINE No.(s) 46 PARTY No. 1184 DATE 1972 Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McRAY RODMAN D. JENSEN WEATHER: Clear cold & windy 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											1002.5				
2	N	880		89 10				5.6	+7.2		1009.7		516		
3	"	1760		89 10				1.4	+24.2		1026.7		515		
4	"	2640		89 01 46				10.0	+34.7	+34.7	1034.2	⊙	514		
5	"	2640		270 58 17				10.0	+34.8			⊙	CHECK		
6	S	1430		90 34 50				14.0	+28.5	+28.5	1065.7		Δ		
7	S	1430		269 25 06				14.0	+28.5				Δ	check	
8	"	550		—				10.8	-10.8		1054.9		513		
9	N	330		—				8.2	-8.2		1057.5		512	TP-12	
10	"	1210		—				13.2	-13.2		1052.5		511		
11	"	2090		90 24 56				14.0	-29.2	-29.2	1036.5	⊙	510	1033.5	
12	"	2090		249 35 13				14.0	-29.2			⊙	check		
13	>	3630		88 10 28				10.0	-105.6	-105.7	930.8		Δ		
14	"	3630		271 49 41				10.0	-105.8				Δ	check	
15	"	2750		88 30				9.5	+62.5		993.3		509		
16	"	1870		91 10				6.2	-44.3		886.5		508		
17	"	990		85 10				15.1	-104.3		826.5		507	AWUNA RIVER	
18	"	110		—				12.9	-12.9		917.9		506		
19	—	0		—				5.8	-5.8		925.0		505 + 4		
20	N	770		86 50				2.5	+40.0		970.8		505		

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### STADIA SURVEY NOTES

AREA AWUNA RIVER STATE or PROVINCE Pet. 4 - ALASKA PAGE No. 23  
 LINE No.(s) 46 PARTY No. 1184 DATE 21<sup>st</sup> Day MARCH Mo. 1997 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHAY RODMAN P. JENSEN WEATHER: Clear, calm & cold P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		▲B.S. ○F.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												930.8				
2	N	1650		86 30				6.4		+94.3		1025.1		504		
3	"	1980		86 30 43				14.0	+106.5	+106.5		1037.3	○	503	+3	
4	"	1980		73 29 16				14.0	+106.5				○	check		
5	S	2310		88 26 10				10.0	-53.0	-53.0		984.3		Δ		
6	"	2310		271 33 <del>34</del>				10.0	-53.0					Δ	check	
7	"	1760		88 30				11.7		+34.4		1018.7		503		
8	"	880		88 35 14				14.5		+7.2		991.5		502		
9	←	0	—					5.8		-5.8		978.5		501		
10	N	890		90 50				12.6		-25.4		958.9		500		
11	"	1760		90 50				12.0		-38.2		946.1		499		
12	"	2640		89 10				11.5		+26.9		1010.8		498		
13	"	2970		89 08 06				5.0	+39.8	+39.8		1024.1	○	497 + 3	1020.4	
14	"	2970		270 51 47				5.0	+39.7				○	checks		
15	S	2640		88 10 32				5.0	-78.9	-78.9		945.2		Δ		
16	"	2440		271 49 21				5.0	-79.0					Δ	check	
17	"	2090		88 58				13.5		+29.1		974.3	/	497		
18	"	1210	—					15.0		-15.0		930.2	/	496		
19	"	330	—					13.5		-13.5		921.7		495		
20	N	550		90 10				14.3		-15.9		929.3	-	494		

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*J. McHAY*

**STADIA SURVEY NOTES**

AREA AWUNA RIVER STATE or PROVINCE Pat. 4 - ALASKA PAGE No. 24  
 LINE No.(s) 46 PARTY No. 1184 DATE 3/3 Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McARY RODMAN P. JENSEN WEATHER: Clear, calm & cold 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												945.2				
2	N	1430		90 50				11.4		-32.2		913.0		493		
3	"	2310		90 40				14.4		-41.3		903.9		492		
4	"	3190		90 38 31				14.0	-49.7	-49.8		895.4	⊙	491		
5	"	3190		269 21 24				14.0	-49.8				⊙	check		
6	S	1210		92 49 53				14.0	+73.8	+73.8	969.2		A			
7	"	1210		269 10 01				14.0	+73.8				A	check		
8	"	330		91 00				14.0		-19.8		949.4		490		
9	N	560		87 40				5.1		+17.3		986.5		489		
10	"	1430		86 50				4.4		+74.6		1043.8		488		
11	"	2310		86 30				4.2		+136.8		1106.0		487		
12	"	2860		86 03 27				5.0	+191.6	+191.6		1160.8	⊙	486 + 2	1156.4	
13	"	2860		293 36 23				5.0	+191.5				⊙	check		
14	?	330	-					13.8	+13.8	+13.9	1174.7		A			
15	"	330		269 19 24				10.0	+13.9				A	check		
16	-	0	-					5.8		-5.8		1168.7		486	TP-13	
17	E	1400		88 24 30				8.0	+36.4	+36.5		1211.2	⊙	Tam #4 cell		
18	"	1400		291 38 35				8.0	+36.5				⊙	check		
19												1206.7		elev.	1206.7	
20												+ 4.5		VER. Mistie		

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**STADIA SURVEY NOTES**

AREA Birthday Creek STATE or PROVINCE PET. 4 - ALASKA PAGE No. 25  
 LINE No.(s) 46 PARTY No. 1184 DATE 21<sup>st</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHarty RODMAN D. JENSEN WEATHER: Clear, cold & calm 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															
4												1206.7	⊙	TBM #4611	
5	E	1600		88 24 30				9.0	-36.4	-36.5	1170.2		Δ		
6	"	1600		271 35 35				8.0	-36.5				Δ		
7	N	850		91 40				14.3		-39.9		1130.3		485	
8	"	1760		91 50				11.4		-67.7		1102.5		484	
9	"	2640		91 19 20				14.0	-74.9	-75.0		1095.2	⊙	483	1095.1
10	"	2640		268 40 27				14.0	-75.1				⊙	check	
11	S	1870		89 31 53				5.0	-10.3	-10.4	1084.8		Δ		
12	"	1870		270 28 25				5.0	-10.5				Δ	check	
13	"	990		92 30				14.6		-57.8		1027.0		482	
14	"	110		94 58 30				5.0		-14.4		1070.4		481	
15	-	0	-					5.8		-5.8		1079.0		480 + 4	
16	N	710		91 30				12.9		-33.1		1051.7		480	
17	"	1650		91 40				13.5		-61.5		1023.3		479	
18	"	2530		91 59 30				10.0	-97.9	-98.0		986.8	⊙	478	986.6
19	"	2530		268 00 18				10.0	-98.1				⊙	check	
20															

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**STADIA SURVEY NOTES**

AREA Birthday Pass STATE or PROVINCE Pet 4 - ALASKA PAGE No. 26  
 LINE No.(s) 46 PARTY No. 1184 DATE 21<sup>st</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. Mottay RODMAN D. JENSEN WEATHER: Clear, calm & cold 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	S	1650		90 16 45				5.0	+13.0	+13.1	999.9			Δ		
3	"	1650		269 43 10				5.0	+13.1					Δ	check	
4	11	770		92 20				13.0		-46.6		953.3			477	
5	N	110	-					4.7		-4.7		995.2			476	
6	11	990		89 20				12.6		-1.1		998.8			475	
7	11	1870		89 00				9.7		+22.9		1022.8			474	
8	11	2750		89 00 10				10.0	+37.9	+37.8	✓	1037.7	✓	⊙	473	1037.4
9	11	2750		270 59 35				10.0	+37.7					⊙	check	
10	S	2310		91 00 36				10.0	+50.7	+50.8		1088.5		Δ		
11	"	2310		269 59 18				10.0	+50.8					Δ	check	
12	"	1430		91 00				11.6		-36.6		1051.9			472	
13	"	550		91 50				14.5		-32.1		1056.4			471	
14	<del>S</del>	<del>200</del>	-					5.8		-5.8		1082.7			470 + 2	
15	N	330		89 40				3.1		-1.2		1087.3			470	
16	"	1210		86 31 59				5.0	+68.2	+68.1		1156.6		⊙	469	1156.2
17	"	1210		273 27 51				5.0	+68.1					⊙	<del>468</del> check	
18																
19																
20																

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**STADIA SURVEY NOTES**

AREA Birthday Pass STATE or PROVINCE Part 4 - ALASKA PAGE No. 27  
 LINE No.(s) 46 PARTY No. 1184 DATE 21<sup>st</sup> Day MARCH No. 1997 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKay RODMAN D. JENSEN WEATHER: Clear, calm & cold 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													1156.6		
2	S	1430		92 <del>33</del> <sup>33</sup> <del>04</del>				10.0	+73.7	+73.7	1230.3			Δ	
3	"	1430		267 26 33				10.0	+73.8					Δ	check
4	"	550		92 10				13.9		-34.7			1195.6		468
5	-	0	-					5.8		-5.8			1224.5		467+ 2
6	N	330		88 28 35				5.0	+3.8	+3.7			1234.0	⊙	467 TP-14
7	"	330		271 30 53				5.0	+3.7					⊙	check 1233.5
8	S	3580		89 10 10				10.0	-41.0	-40.9	1193.1			Δ	
9	"	3580		270 49 34				10.0	-40.8					Δ	check
10	"	2640		89 10				11.0		+27.4			1220.5		466
11	"	1760		89 30				8.3		+7.1			1200.2		465
12	"	880		90 30				12.7		-20.4			1172.7		464
13	-	0	-					5.8		-5.8			1197.3		463
14	N	880						12.1		-12.1			1181.0		462
15	"	1760						2.8		-2.8			1190.3		461
16	"	2640		89 30				10.1	+12.9	+12.9			1206.0	⊙	460 MARKER PIPE
17	"	2640		270 29 54				10.0	+13.0					⊙	check 1205.4
18															
19															
20															

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STADIA SURVEY NOTES

AREA Birthday Pass STATE or PROVINCE PET. 4-ALASKA PAGE No. 28  
 LINE No.(s) 46 PARTY No. 1184 DATE 21<sup>st</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKay RODMAN D. JENSEN WEATHER: Clear, calm & cold 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												1206.0				
2	S	2640		90 54 07				10.0	+53.1	+53.2	1259.2		A			
3	"	2640		269 03 43				10.0	+53.2				A	check		
4	"	1740		91 10				12.3		-48.1		1211.1		459		
5	"	880		91 10				12.9		-30.8		1228.4		458		
6		0						5.9		-5.8		1253.4		458		
7	N	880		88 50				5.2		+12.7		1271.9		456		
8	"	1740		88 58 32				14.0	+17.5	+17.5		1276.7	Q	455		1275.9
9	"	1740		271 01 25				14.0	+17.4				Q	check		
10	S	880		90 33 52				10.0	+18.7	+18.7	1295.4		A			
11	"	880		269 26 14				10.0	+18.6				A	check		
12		0						5.8		-5.8		1289.6		454		TP-15
13	W	803		88 49 05				5.0	+11.6	+11.6			Q	TRM # 4610		
14	"	803		271 11 07				5.0	+11.6			13070	Q	check		
15												1306.2		210.		1306.2
16												+0.8		Ver. misc		
17																
18																
19																
20																

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**STADIA SURVEY NOTES**

AREA Birthday Pass STATE or PROVINCE Ret. 4 - ALASKA PAGE No. 29  
 LINE No.(s) 46 PARTY No. 1184 DATE 27<sup>th</sup> Day MARCH Mo. 1997 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McWay RODMAN P. JENSEN WEATHER: Clear, calm & cold 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																
3																
4												1304.2	0	TBM #4610		
5	SW	1160		88 28 50					10.0	-20.2	-20.8	1285.4		Δ		
6	"	1160		271 31 14					10.0	-20.8				Δ		
7	#	0	-						5.8		-5.8	1279.6			453 + 2	
8	N	330		91 30					13.8		-22.4	1263.0			453	
9	"	1100		93 00 45					10.0	-67.8	-67.8	1212.6	0		452 + 1	1218.3
10	"	1100		246 59 31					10.0	-67.7			0		check	
11	S	2240		88 21 49					14.0	-50.0	-49.9	1167.7		Δ		
12	"	2240		271 38 05					14.0	-49.9				Δ	check	
13	"	2130		89 50					10.5		+32.9	1200.6			452	
14	"	1650		91 20					<del>21.1</del>		-50.2	1117.5			451	
15	"	340	-						-11.3		-11.3	1156.4			450	
16	N	550		90 50					14.6		-22.6	1145.1			449	
17	"	1100		91 53 11					14.0	-50.2	-50.2	1117.5	0		448 + 2	1119.1
18	"	1100		268 07 04					14.0	-50.1			0		check	
19																
20																

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### STADIA SURVEY NOTES

AREA Birthday Pass STATE or PROVINCE Pet. 4 - ALBERTA PAGE No. 30  
 LINE No.(s) 46 PARTY No. 1184 DATE 22<sup>nd</sup> Day MARCH Mo. 1977 Yr. BOOK No.  
 SURVEYOR J. McKay RODMAN D. JENSEN WEATHER: Clear, calm & cold P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1													1117.5			
2	S	2420		89 49 55				5.0	-84.6	-84.6	1030.9			A		
3	"	2420		87 10 07				5.0	-84.6					A	check	
4	"	2090		87 50				7.6		+76.4		1102.3			448	
5	"	1210		88 30				12.0		+19.7		1050.6			447	
6	"	330		89 00				7.3		-1.5		1029.4			446	
7	-	0	-					5.8		-5.8		1025.1			445+3	
8	N	550		91 30				14.8		-29.2		1001.7			445	
9	"	1430		92 20				11.4		-69.6		966.3			444	
10	"	2310		92 05 15				14.0	-98.1	-98.1		932.8		0	443	935.8
11	"	2310		267 55 00				14.0	-98.0					0	check	
12	S	2640		<del>89 50 28</del> 89 20 52				14.0	-16.1	-16.0	916.8			Δ		
13	S	2640		<del>290 59 59</del> 270 39 06				14.0	-16.0					Δ	check	
14	"	1760		89 50				10.2		-5.1		911.7			442	
15	"	880	-					11.5		-11.5		905.3			441	
16	-	0	-					5.8		-5.8		911.0			440	
17	N	850	-					16.7		-12.7		904.1			439	
18	NW	1160		89 39 24				10.0	-3.0	-3.1		913.7		0	TEMP #4609	
19	"	1160		270 20 30				10.0	-3.1					0		
20												917.8			Elev.	917.8

TI-588B

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

- 4<sup>th</sup> VER. MISTIC

**STADIA SURVEY NOTES**

AREA Birthday Pass STATE or PROVINCE Pat. 4 - ALASKA PAGE No. 31  
 LINE No.(s) 46 PARTY No. 1184 DATE 22<sup>nd</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHAY RODMAN D. JENSEN WEATHER: Clear, calm & cold 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 of Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2															
3															
4												917.8	⊙	TBM # 4609	
5	SW	1660		89 18 08					5.0	-15.2	-15.2	902.6	⊙		
6	"	1660		87 0 45					5.0	-15.2			Δ	check	
7	S	880	-						-7.9		-7.9			438	
8	-	0	-						5.8		-5.8			437	
9	N	880		90 10					13.0		-15.6			436	
10	"	1760		90 30					10.5		-25.9			435	
11	"	2640		90 13 26					14.0	-24.3	-24.3		⊙	434	878.2
12	"	2640		26A 46 42					14.0	-24.2			⊙	check	Between sp 434
13	S	1760		89 49 16					14.0	+8.5	+8.5	884.8	Δ		+ sp 433 is 1st
14	"	1760		270 10 52					14.0	+8.4			Δ	check	1760' spread
15	-	0	-						5.8		-5.8			433	
16	N	1760	-						12.7	-12.7	-12.7		⊙	432	873.8
17	"	1760		249 54 0					10.0	-12.6			⊙	check	
18															
19															
20															

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### STADIA SURVEY NOTES

AREA Birthday Pass STATE or PROVINCE Pet 4- ALASKA PAGE No. 32  
 LINE No.(s) 46 PARTY No. 1184 DATE 22<sup>nd</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKay RODMAN D. JENSEN WEATHER: Clear, Cold & Windy 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													874.1		
2	S	2090		90 04 38				14.0	+16.7	+16.8		890.9		Δ	
3	"	2090		268 55 26				14.0	+16.8					Δ	check
4	"	330	-					4.4		-4.4		886.5			431
5	-	0	-					5.8		-5.8		885.1			430 + 7 TP-17
6	N	1100		91 24 34				14.0	-41.1	-41.1		849.8		⊙	430 + 2 849.4
7	"	1100		268 35 2				14.0	-41.1					⊙	check
8	S	3300		88 58 59				10.0	-48.6	-48.5		801.3		Δ	
9	"	3300		271 00 53				10.0	-48.4					Δ	check
10	"	2970		89 10				10.3		+32.9		834.2			430
11	"	1210		90 30				14.4		-25.0		776.3			429
12	N	550	-					13.8		-13.8		787.5			428
13	"	2310		90 30 39				14.0	-34.6	-34.7		766.6		⊙	427 766.1
14	"	2310		249 29 06				14.0	-34.8					⊙	check
15	E	1150		92 27 16				14.0	+63.2	+63.3		829.9		Δ	
16	"	1150		267 38 42				14.0	+63.3					Δ	check
17	W	510		88 58 10				5.0	+4.2	+4.2				⊙	
18	"	510		271 01 44				5.0	+4.2			834.1		⊙	check TRIM# 4208
19												833.5		ERV.	833.5
20												+0.6		VER. Mistie	

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### STADIA SURVEY NOTES

AREA KIGALIK RIVER STATE or PROVINCE PET. 4-ALASKA PAGE No. 33  
 LINE No.(s) 46 PARTY No. 1184 DATE 22<sup>nd</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McTAY RODMAN D. JENSEN WEATHER: Clear, calm & cold 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				Take off			TBM # 4608							
2														
3														
4											833.5	⊙	TBM # 4608	
5	W	510		88 58 10				5.0	-4.2	-4.2	829.3	Δ		
6	"	510		271 01 44				5.0	-4.2			Δ		
7	E	1150		92 27 16				14.0	-63.2	-63.3	766.0	⊙		
8	"	1150		267 32 42				14.0	-63.3			⊙		
9	S	1760		87 51 40				14.0	-51.7	-51.6	714.4	Δ		
10	"	1760		272 08 10				14.0	-51.6			Δ		
11	—	0						5.8		-5.8	708.6		426	
12	N	1760		91 00				10.4		-41.1	673.3		425	
13	"	2090		90 35 01				14.0	-35.3	-35.3	679.1	⊙	424 + 7	
14	"	2090		269 24 56				14.0	-35.3			⊙	check	
15	S	1430		89 03 21				10.0	-13.5	-13.5	665.6	Δ		
16	"	1430		260 56 28				10.0	-13.5			Δ	check	
17	—	0						5.8		-5.8	659.8		424	
18	N	1760		90 03 51				5.0	-7.0	-7.0	658.6	⊙	423	
19	"	1760		269 56 05				5.0	-7.0			⊙	check	
20														

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**STADIA SURVEY NOTES**

AREA KIGALIB RIVER STATE or PROVINCE Pet. 4 - ALASKA PAGE No. 34  
 LINE No.(s) 46 PARTY No. 1184 DATE 22<sup>ND</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. MONTAY RODMAN D. JENSEN WEATHER: Clear, calm & cold 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													658.6			
2	S	2970		91 21 25				14.0	+84.3	+84.2	742.8			Δ		
3	"	2970		268 38 48				14.0	+84.1					Δ	check	
4	"	1210		93 30				10.4		-84.3			658.5		422	
5	"	880		96 00				11.4		-103.4			639.4		421 - 7	
6	-	0	-					5.8		-5.8			737.0		420 + 3	
7	N	550		85 40				5.7		+35.9			778.4		421	
8	"	1540		85 25 47				10.0	+112.7	+112.8			855.6	o	420 + <del>4</del>	
9	"	1540		274 34 28				10.0	+112.8					o	check	
10	S	770		90 01 13				14.0	+14.3	+14.2	869.8			Δ		
11	"	770		269 59 06				14.0	+14.2					Δ	check	
12	-	0						5.8		-5.8			864.0		<del>420</del> TP-18	
13	N	1760		91 44 32				14.0	-67.5	-67.4			802.4	o	419	
14	"	1760		268 15 46				14.0	-67.4					o	check	
15	S	2850		87 28 52				14.0	-107.7	-107.8	694.6			Δ		
16	"	2850		272 32 30				14.0	-108.0					Δ	check	
17	"	990		87 40				6.9		+33.4			728.0		418	
18	N	330						5.8		-5.8			688.8		417 - 4	
19	N	770		89 10				6.0		+5.2			199.8		417 MARKER PIPE	
20																

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**STADIA SURVEY NOTES**

AREA KIGALIK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 35  
 LINE No.(s) 46 PARTY No. 1184 DATE 23<sup>rd</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKay RODMAN D. Jensen WEATHER: cloudy, calm & cold P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD			
1												694.6				
2	N	2530		98 24 02				5.0	+64.1	+64.2		758.8	⊙	416		
3	"	2530		271 34 16				5.0	+64.4				⊙	check		
4	S	1020		90 04 23				14.0	+15.3	+15.2	774.0		Δ			
5	"	1020		269 56 07				14.0	+15.2				Δ	check		
6	-	0	-					5.8		-5.8		768.2		415 + 4	TR-19	
7																
8	E	153	-					3.7	-3.7	-3.7			⊙	TRM #4607	TR-20	
9	"	153		249 45 22				3.0	-3.7			770.3	⊙	check		
10												770.1		flow.		
11												+0.2		ver. mistle		
12																
13																
14																
15																
16																
17																
18																
19																
20																

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### STADIA SURVEY NOTES

AREA MUGALIM RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 36  
 LINE No.(s) 46 PARTY No. 1184 DATE 23<sup>rd</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McMay RODMAN D. JENSEN 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.	Station	REMARKS	
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD				
1				TAKE	OFF												
2																	
3																	
4													770.1	⊙	TRIM # 4607		
5	E	153	-						3.7	+3.7	+3.7	773.8		Δ			
6	"	153		219	45	22			3.0	+3.7				Δ	check		
7																	
8	N	770		90	52				12.9		-24.1	749.7			415		
9	" 170	<del>130</del>		91	27	41			14.0	-58.9	-58.9	714.9	⊙		414 + 4	715.1	
10	" 170	<del>130</del>		208	32	33			14.0	-58.8				⊙	check		
11	S	2540		87	48	38			10.0	-86.7	-86.7	628.2		Δ			
12	"	2540		272	11	31			10.0	-86.8				Δ	checks		
13	"	1760		87	50				6.1		+60.4	688.6			414		
14	-	0	-						5.8		-5.8	622.4			413		
15	N	1760		92	00				11.4		-72.8	555.4			412		
16	"	2990		91	56	31			14.0	-111.2	-111.1	579.1	⊙		411 + 3	579.9	
17	"	2970		268	07	47			14.0	-110.9				⊙	check		
18																	
19																	
20																	

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### STADIA SURVEY NOTES

AREA KIGALIK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 39  
 LINE No.(s) 46 PARTY No. 1184 DATE 23<sup>rd</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR Jo McKay RODMAN P. JENSEN WEATHER: Foggy, calm & cold 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													517.1			
2	S	2310		88 37 01				5.0	-50.8	-50.7	466.4			Δ		
3	"	2310		271 82 52				5.0	-50.7					Δ	check	
4	"	1760		88 40				7.0		+34.0		500.4			411	
5	-	0	-					5.8		-5.8		460.6			416	
6	N	1760		91 13 46				14.0		-51.8		414.6			409	
7	"	2970		91 24 52				14.0	-87.3	-87.3		379.1		⊙	408 + 3	380.5
8	"	2970		268 35 07				14.0	-87.3					⊙	check	
9	S	2640		89 53 37				5.0	+0.1	±0.0	379.1			Δ		
10	"	2640		270 06 31				5.0	±0.0					Δ	check	
11	"	2090		90 10				11.7		-12.8		341.3			408	
12	"	330	-					12.7		-12.7		366.4			407	
13	N	1430		90 03 55				5.0	-6.6	-6.6		372.5		⊙	406	374.4
14	"	1430		269 56 03				5.0	-6.6					⊙	check	
15	S	1760		89 46 20				5.0	-2.0	-2.0	370.5			Δ		
16	"	1760		270 13 45				5.0	-2.0					Δ	check	
17	-	0						5.8		-5.8		364.7			405	
18	N	1760		89 48 49				5.0	+0.7	+0.7		371.2		⊙	404	373.5
19	"	1760		270 11 02				5.0	+0.6					⊙	check	
20																

TI-586B

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### STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE Ret. 4 - ALASKA PAGE No. 38  
 LINE No.(s) 46 PARTY No. 1184 DATE 23<sup>rd</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHAY RODMAN D. JENSEN WEATHER: Clear, calm & cold P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1																
2	S	3190		90 24 22				14.0	+36.6	+36.6	407.8			371.2		
3	"	3190		269 35 36				14.0	+36.6						Δ	check
4	"	1430		90 30				12.2		-24.7				383.1		403
5	-	0	-					5.8		-5.8				402.0		402 + 2
6	N	330	-					5.9		-5.9				401.9		402
7	"	2090		89 35 44				5.0	+9.8	+9.8				417.6	⊙	401 420.5
8	"	2090		270 24 20				5.0	+9.8						⊙	check
9	S	2970		91 02 12				14.0	+67.7	+67.7	485.3				Δ	
10	"	2970		268 57 50				14.0	+67.7						Δ	check
11	N	1210		90 40				14.2		-28.3				457.0		400
12	-	0						5.8		-5.8				479.5		399 + 3
13																
14	E	1440		91 22 00				14.0	-48.3	-48.3					⊙	TBM #4606
15	"	1440		268 38 12				14.0	-48.3					437.0	⊙	
16														440.4	Elev.	440.4
17														-3.4	VER. MISTAKE	
18																
19																
20																

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### STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET 4 - ALASKA PAGE No. 39  
 LINE No.(s) 46 PARTY No. 1184 DATE 23<sup>rd</sup> Day MAR-4 Mo. 1997 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McRAY RODMAN D. JENSEN WEATHER: Clear, calm & cold 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					<u>TAKE</u>		<u>OFF</u>	<u>TEMP</u>	<u>#</u>	<u>4606</u>						
2																
3																
4												<u>440.4</u>	<u>o</u>	<u>TBM</u>	<u>#4606</u>	
5	<u>E</u>	<u>1440</u>		<u>91 22 00</u>					<u>14.0</u>	<u>+48.3</u>	<u>+48.3</u>	<u>488.7</u>	<u>A</u>			
6	<u>E</u>	<u>1440</u>		<u>268 38 12</u>					<u>14.0</u>	<u>+48.3</u>			<u>A</u>			
7	<u>N</u>	<u>550</u>	<u>-</u>						<u>8.4</u>		<u>-8.6</u>	<u>480.1</u>		<u>399</u>		
8	<u>"</u>	<u>2310</u>		<u>90 07 11</u>					<u>5.0</u>	<u>-9.8</u>	<u>-9.8</u>	<u>478.9</u>	<u>o</u>	<u>398</u>		
9	<u>"</u>	<u>2310</u>		<u>269 53 01</u>					<u>6.0</u>	<u>-9.7</u>			<u>o</u>	<u>check</u>		
10	<u>S</u>	<u>3520</u>		<u>89 30 34</u>					<u>5.0</u>	<u>-25.1</u>	<u>-25.3</u>	<u>453.6</u>	<u>A</u>			
11	<u>"</u>	<u>3520</u>		<u>270 29 47</u>					<u>5.0</u>	<u>-25.5</u>			<u>A</u>	<u>check</u>		
12	<u>"</u>	<u>1760</u>		<u>89 30</u>					<u>7.3</u>		<u>-8.1</u>	<u>445.5</u>		<u>397</u>	<u>461.8</u>	
13	<u>-</u>	<u>0</u>	<u>-</u>						<u>5.8</u>		<u>-5.8</u>	<u>447.8</u>		<u>396</u>		
14	<u>N</u>	<u>1760</u>		<u>90 40</u>					<u>14.7</u>		<u>-35.2</u>	<u>418.4</u>		<u>395</u>		
15	<u>"</u>	<u>3520</u>		<u>90 38 45</u>					<u>14.0</u>	<u>-53.7</u>	<u>-53.4</u>	<u>400.2</u>	<u>o</u>	<u>394</u>		
16	<u>"</u>	<u>3520</u>		<u>269 21 44</u>					<u>14.0</u>	<u>-53.2</u>			<u>o</u>	<u>check</u>		
17	<u>S</u>	<u>3520</u>		<u>89 54 20</u>					<u>5.0</u>	<u>-0.8</u>	<u>-1.0</u>	<u>399.2</u>	<u>A</u>			
18	<u>"</u>	<u>3520</u>		<u>270 04 06</u>					<u>5.0</u>	<u>-1.2</u>			<u>A</u>	<u>check</u>		
19																
20																

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### STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 40  
 LINE No.(s) 46 PARTY No. 1184 DATE 23<sup>rd</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHAY RODMAN D. JENSEN WEATHER: Clear, CALM & COLD 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												399.2			
2	S	1760	-					5.3		-5.3		393.9		393	
3	-	0	-					5.8		-5.8		393.4		392	
4	N	1760		89 56				4.8		+0.3		399.5		391	
5	"	2310		89 42 47				14.0	-2.4	-2.3		396.9	0	390 + 6	
6	"	2310		270 17 31				14.0	-2.2				0	check	
7	S	660		89 10 35				5.0	-4.5	-4.5	392.4		Δ		
8	"	660		270 49 28				5.0	-4.5				Δ		
9	-	0	-					5.8		-5.8		386.8		390 + 3	
10	N	550		92 38 13				14.0	-39.3	-39.3		353.1	0	390	
11	"	550		247 22 02				14.0	-39.3				0	check	
12	S	2310		86 54 54				5.0	-119.3	-119.3	233.8		Δ		
13	"	2310		273 05 01				5.0	-119.3				Δ	check	
14	"	1100		90 20				15.0		-21.4		212.4		389 + 3	SOUTH BANK OF TITALUK RIVER
15	"	550						12.0		-12.0		221.8		389	
16	-	0						5.6		-5.6		228.2		388 + 6	
17	N	1210						13.0		-13.0		220.8		388	
18	"	2970		89 13 41				5.0	+35.0	+35.0		268.8	0	387	
19	"	2970		270 46 19				5.0	+35.0				0	check	
20															

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### STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 41  
 LINE No.(s) 44 PARTY No. 1184 DATE 24<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McKay RODMAN D. JENSEN WEATHER: Clear, calm & cold 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													268.8			
2	S	3520		92 48 58				14.0	+186.9	+186.8	455.6			A		
3	"	3520		86 11 15				14.0	+186.7					A	check	
4	"	1760		93 00				9.3		-101.4			354.2		386	
5																
6	S	1419		92 30				14.4		-76.3			379.3			MARKER PIPE TP-25 LINE INT. 1-46=51-385+14.9 2-68=39-938+127
7																
8	-	0	-					5.8		-5.8			449.8		385	
9	N	1210		87 36 31				10.0	+40.5	+40.5			496.1	0	384 + 3	
10	"	1210		282 23 27				10.0	+40.5					0	check	
11	S	1760		90 49 07				14.0	+39.1	+39.1	535.2			A		
12	"	1760		269 10 55				14.0	+39.1					D	check	
13	"	1210		90 40				13.6		-27.7			507.5		384	
14	-	0	-					-5.8		-5.8			529.4		383 + 3	TP-26
15																
16	SE	4189		91 22 03				14.0	-114.0	-113.9				0	TBM # 4605	
17	"	4189		268 38 08				14.0	-113.7				421.3	0		
18													421.8		Elev.	
19													-0.5		Var. Mistia	
20																

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STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE F.E.T. 4 - ALASKA PAGE No. 42  
 LINE No.(s) 46 PARTY No. 1184 DATE 24<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. MEKAY RODMAN D. JENSEN WEATHER: CLEAR, CALM & COLD 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															
2															
3															
4												421.8	0	TAM 44605	
5	SE	4189		91 22 03				14.0	+114.0	+113.9	535.7		Δ		
6	"	4189		268 38 08				14.0	+113.7				Δ		
7	N	550	-					12.4		-12.4		523.3		383	
8	"	2310		90 38 21				14.0	-39.8	-39.7		494.0	0	382	
9	"	2310		269 21 44				14.0	-39.7				0	check	
10	S	770		86 52 37				14.0	-28.0	-28.0	468.0		Δ		
11	"	770		293 07 33				14.0	-28.0				Δ	check	
12	-	0	-					5.8		-5.8		462.2		381+5	
13	N	990		94 00				13.7		-82.8		385.2		381	
14	"	2750		92 33 01				14.0	-136.4	-136.3		331.7	0	380	332.4
15	"	2750		267 27 11				14.0	-136.2				0	check	
16	S	2310		91 49 30				14.0	+87.6	+87.5	419.2		Δ		
17	"	2310		268 10 44				14.0	+87.4				Δ	check	
18	"	550		92 10				14.4		-35.2		384.0		378+6	
19	-	0	-					5.8		-5.8		413.4		378+6	
20															

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**STADIA SURVEY NOTES**

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 43  
 LINE No.(s) 46 PARTY No. 1124 DATE 24<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McMAN RODMAN D. JENSEN WEATHER: CLEAR, CALM & COOL 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											419.2				
2	N	1210		87 30				7.6	+45.2		464.4		378		
3	"	2640		87 39 15				5.0	+103.1	+103.0	522.2	⊙	377+2		
4	"	2640		272 20 42				5.0	+103.0			⊙			
5	S	1100		90 42 45				14.0	+27.7	+27.6	549.8		A		
6	"	1000		269 17 33				14.0	+27.6				A	check	
7	"	770		90 20				13.5		-18.0	531.8		377		
8	-	0	-					5.8		-5.8	544.0		<del>377</del> + <del>5</del> TT-38		
9	N	<del>440</del>	-					14.1	-14.1	-14.1	535.7	⊙	376+2	536.8	
10	"	<del>470</del>		269 59 51				14.0	-14.0			⊙	check		
11	S	2860		87 01 53				14.0	-134.1	-134.2	401.5		A		
12	"	2860		272 58 24				14.0	-134.4				A	check	
13	"	2530		87 10				7.8		+117.3	518.8		376		
14	"	770	-					4.0		-4.0	392.5		375		
15	-	0	-					5.8		-5.8	395.7		374+5		
16	N	990	-					10.8		-10.8	390.7		374		
17	"	6750		89 36 55				10.0	+8.5	+8.6	410.1	⊙	373		
18	"	2790		270 23 27				10.0	+8.8			⊙	check		
19	S	1210		89 49 31				14.0	-10.8	-10.8	399.3		A		
20	"	1210		271 10 35				14.0	-10.8				A	check	

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### STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 44  
 LINE No.(s) 46 PARTY No. 1184 DATE 25<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. Morley RODMAN D. JENSEN WEATHER: Foggy, calm & cold 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											399.3			
2	—	0	—					5.8	-5.8		393.5		372+3	
3	N	550		91 50				14.6	-32.2		349.1		372	
4	"	2310		91 30				12.7	-73.2 -73.0		326.3	0	371 328.1	
5	"	2310		248 32 27				14.0	-72.8			0	check	
6	S	4530		91 33 17				14.0	+136.4 +136.1		462.4		Δ	
7	"	4530		248 27 10				14.0	+135.8				Δ check	
8	"	2980		93 30				10.0	-177.9		284.5		370	
9	"	3990		93 10				14.0	-68.7		393.7		369	
10	—	0	—					5.6	-5.6		456.8		368+4	
11	N	990		88 10				3.6	+21.0		483.4		368	
12	"	1760		88 15 33				5.0	+48.5 +48.5		510.9	0	367+4	
13	"	1760		271 44 36				5.0	+48.5			0	check	
14	S	1320		40 32 52				14.0	+26.6 +26.6		537.5		Δ	
15	"	1320		269 27 14				14.0	+26.6				Δ	
16		550	—					11.3	-11.3		526.2		367 526.2	
17	—	0	—					5.8	-5.8		531.7		366+6	
18	N	3890		90 41 52				14.0	-26.1 -26.0		511.5	0	366+2	
19	"	990		269 18 21				14.0	-26.0			0	check	
20														

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**STADIA SURVEY NOTES**

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 45  
 LINE No.(s) 46 PARTY No. 1184 DATE Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McHAY RODMAN D. JENSEN 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											511.5			
2	S	2090		89 01 54				5.0	-30.3	-30.2	481.3	Δ		
3	"	2090		270 57 45				5.0	-30.1			Δ	check	
4	"	1760		89 20				11.0		+9.5	490.8		366	
5	-	0	-					5.8		-5.8	475.5		365	
6	N	1760		91 30				10.6		-56.7	424.6		364	
7	"	3520		90 54 30				14.0	-71.8	-71.9	409.4	⊙	363 411-7	
8	"	3520		269 03 27				14.0	-71.9			⊙	check	
9	S	1210		91 25 11				14.0	+44.0	+44.0	453.4	Δ		
10	"	1210		268 34 42				14.0	+44.0			Δ	check	
11	-	0	-					5.8		-5.8	447.6		362 + 3	
12	N	550		89-40				4.1		-0.9	452.5		362	
13	"	1540		89-46-07				15.0	-8.8	-8.8	444.6	⊙	361 + 4	
14	"	1540		270-13-47				15.0	-8.8			⊙	check	
15	S	3080		89 44 57				14.0	+0.5	+0.5	445.1	Δ		
16	"	3080		270 15 10				14.0	+0.4			Δ	check	
17	"	2310						8.5		-8.5	436.6		361	
18	"	550						15.0		-15.0	430.1		360	
19	-	0	-					5.8		-5.8	439.8		359 + 1p	
20	N	1210						8.2		-8.2	436.9		359	

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**STADIA SURVEY NOTES**

AREA TITILUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 46  
 LINE No.(s) 46 PARTY No. 1184 DATE 25<sup>th</sup> Day MARCH Mo. 1907 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McElroy RODMAN D. JENSEN WEATHER: Foggy, Calm & Cold 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											445.1				
2	N	2420		89 37 11				5.0	+11.1	+11.1		456.2	⊙	358 + 3 459.0	
3	"	2420		270 22 48				5.0	+11.0				⊙	check	
4	S	550		90 11 26				5.0	+6.8	+6.8	463.0		Δ		
5	"	550		269 48 37				5.0	+6.8				Δ	check	
6	-	0	-					5.8		-5.8		459.2		358	
7	N	1760		91 01 56				14.0	-45.7	-45.7		417.3	⊙	357	
8	"	1760		268 58 16				14.0	-45.6				⊙	check	
9	S	3520		88 58 48				5.0	-61.4	-61.5	355.8		Δ		
10	"	3520		271 04 59				5.0	-61.5				Δ	check	
11	"	1760		89 30				6.0		+9.4		365.2		356	
12	-	0	-					5.8		-5.8		350.0		355 MARKER PIPE	
13	N	1760	-					7.6		-7.6		348.2		354	
14	"	2750		89 56 25				5.0	-2.1	-2.2		353.6	⊙	353 + 4	
15	"	2750		270 03 32				5.0	-2.2				⊙	check	
16	S	4290		89 27 23				5.0	-35.7	-35.8	312.8		Δ		
17	"	4290		270 32 49				5.0	-36.0				Δ	check	
18	"	<del>3620</del>		89 40				14.0		+6.5		324.3		352	
19	-	⊙1760		89 40				8.0		+2.2		320.0		352	
20	-	0	-					5.8		-5.8		312.0		351	

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### STADIA SURVEY NOTES

AREA TITILAK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 47  
 LINE No.(s) 46 PARTY No. 1184 DATE 25<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McMAH RODMAN D. JENSEN WEATHER: Clear, calm & cold 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												317.8			
2	N	1760	—					8.7		-8.7		309.1		350	
3	"	3520	—					13.7		-13.7		304.1		349	
4	"	4290		90 02 09				14.0	-16.7	-16.6		301.2	⊙	348 + 5	304.9
5	"	4290		269 58 03				14.0	-16.4				⊙	check	
6	S	3520		90 34 35				14.0	+51.5	+51.5	352.7		Δ		
7	"	3520		269 23 25				14.0	+51.5				Δ	check	
8	"	2530		90 50				9.7		-46.5		306.2		348	
9	"	770	—					13.2		-13.2		339.5		347	
10	—	0	—					5.8		-5.8		346.9		346 + 5	TP-32
11	N	990	—					12.1		-12.1		340.6		346	
12	"	1540		90 31 17				14.0	-28.0	-28.0		324.7	⊙	345 + 6	
13	"	1540		269 28 51				14.0	-28.0				⊙	check	
14	S	2970		89 20 32				5.0	-29.1	-29.1	295.6		Δ		
15	"	2970		270 39 24				5.0	+29.0				Δ	check	
16	"	1760	—					9.7		-9.7		285.9		345	
17	—	0	—					5.8		-5.8		289.8		344	
18	N	1760	—					11.8		-11.8		283.8		343	
19	"	3520		89 40 59				10.0	+9.5	+9.5		305.1	⊙	342	
20	"	3520		270 19 01				10.0	+9.5				⊙	check	

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**STADIA SURVEY NOTES**

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 48  
 LINE No.(s) 46 PARTY No. 1184 DATE 25<sup>th</sup> Day MARCH Mo. 1977 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR J. McRAY RODMAN D. JENSEN WEATHER: CLEAR, CALM & COLD P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1													305.2			
2	S	2400		90 21 09				5.0	+19.8	+19.8	324.9			A		
3	"	2400		249 38 52				5.0	+19.8					Δ	check	
4	"	440	-					10.5		-10.5			314.4		341	
5	<del>N</del>	<del>1095</del>														
6	N	1095		89 40				5.6		+0.8			325.7		340	
7																
8	-	0	-					5.3		-5.3			319.7	⊙	TBM #4601	
9													324.0	⊙	Elev. 324.0	
10													-4.3		ver. mistle	
11																
12				TBM # 4601 is common with SP 283 on												
13				LINE 46 which was shot in 1975												
14																
15																
16																
17																
18																
19																
20																

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