

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 1
 LINE No.(s) 49 PARTY No. 1184 DATE 27th 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				<u>TAKE OFF</u>				<u>SP-358</u>								
2	<u>1</u>			<u>REFER</u>				<u>to LINE</u>								<u>ON PAGE</u>
3																
4													<u>457.2</u>	<u>0</u>	<u>SP-358</u>	
5	<u>E</u>	<u>42,054</u>		<u>89-48-58</u>				<u>4.5</u>	<u>-130.5</u>	<u>-133.1</u>	<u>324.1</u>			<u>NO check</u>	<u>TP-1</u>	<u>BAD WORK</u>
6	<u>"</u>	<u>42,054</u>		<u>270-11-28</u>				<u>4.5</u>	<u>-135.8</u>					<u>A check</u>		<u>DO NOT</u>
7	<u>W</u>	<u>10,325</u>		<u>90-02-26</u>				<u>4.5</u>	<u>-11.8</u>	<u>-11.9</u>			<u>312.2</u>	<u>0</u>	<u>TP-2</u>	<u>USE</u>
8	<u>"</u>	<u>10,325</u>		<u>269-57-29</u>				<u>4.5</u>	<u>-12.1</u>					<u>0</u>	<u>check</u>	<u>W.</u>
9	<u>E</u>	<u>28,432</u>		<u>89-57-18</u>				<u>4.5</u>	<u>-17.8</u>	<u>-17.8</u>	<u>294.4</u>			<u>A</u>	<u>TP-3</u>	
10	<u>"</u>	<u>28,432</u>		<u>270-02-42</u>				<u>4.5</u>	<u>-17.8</u>					<u>A</u>	<u>check</u>	
11	<u>W</u>	<u>4,287</u>		<u>89-57-53</u>				<u>10.0</u>	<u>-7.4</u>	<u>-7.0</u>			<u>287.4</u>	<u>0</u>	<u>TP-4 = SP-400</u>	<u>315.9</u>
12	<u>"</u>	<u>4,287</u>		<u>270-02-44</u>				<u>10.0</u>	<u>-6.6</u>					<u>0</u>	<u>check</u>	
13	<u>N</u>	<u>3520</u>		<u>90-36-18</u>				<u>10.0</u>	<u>+47.2</u>	<u>+47.2</u>	<u>334.6</u>			<u>A</u>		<u>WORKED</u>
14	<u>"</u>	<u>3520</u>		<u>269-23-41</u>				<u>10.0</u>	<u>+47.2</u>					<u>A</u>	<u>check</u>	<u>BACK WITH</u>
15	<u>"</u>	<u>1760</u>		<u>90-40</u>				<u>11.0</u>		<u>-31.5</u>			<u>303.1</u>		<u>401</u>	<u>REAR 331.6</u>
16	<u>-</u>	<u>0</u>						<u>5.8</u>		<u>-5.8</u>			<u>328.8</u>		<u>402</u>	<u>TP-5 357.3</u>
17	<u>S</u>	<u>1760</u>						<u>7.9</u>		<u>-7.9</u>			<u>326.7</u>		<u>403</u>	<u>356.2</u>
18	<u>"</u>	<u>3520</u>		<u>89-50-31</u>				<u>10.0</u>	<u>-0.3</u>	<u>-0.4</u>			<u>334.2</u>	<u>0</u>	<u>404</u>	<u>361.2 362.7</u>
19	<u>"</u>	<u>3520</u>		<u>270-09-15</u>				<u>10.0</u>	<u>-0.5</u>					<u>0</u>	<u>check</u>	
20																

TI-568B

WORKED BY _____ CHECKED BY 1st WDH 2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 2
 LINE No.(s) 49 PARTY No. 1184 DATE 28th Day MARCH Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. McKay RODMAN D. JENSEN WEATHER: 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															REWN 362.7
2	N	2750		90 18 00				10.0	+24.4	+24.5	358.7		Δ		
3	"	2750		269 41 47				10.0	+24.6				Δ	check	
4	"	990	-					9.7		-9.7	349.0			405	377.5
5	S	0	-					5.8		-5.8	352.9			405+5	381.4
6	S	770	-					9.0		-9.0	349.7			406	378.2
7	"	2530		89 46 23				10.0	±0.0	±0.0	358.7		⊙	407	385.7 387.2
8	"	2530		270 13 29				10.0	-0.1				⊙	check	325.8
9	N	2530		90 24 59				10.0	+28.4	+28.5	387.2		Δ		
10	"	2530		269 34 48				10.0	+28.5				Δ	check	
11	"	770	-					11.5		-11.5	375.7			408 ##	404.2
12	-	0	-					5.8		-5.8	381.4			408+4	409.9
13	S	990		90 50				11.8		-26.2	361.0			409	389.5
14	"	2750		89 16 46				10.0	+24.6	+24.7	411.9		⊙	410	438.9 440.4
15	"	2750		270 43 36				10.0	+24.9				⊙	check	439.1
16	N	1430		91 38 11				10.0	+50.8	+50.8	462.7		Δ		
17	"	1430		267 21 48				10.0	+50.8				Δ	check	
18	-	0	-					5.8		-5.8	456.9			410+7	485.4
19	S	330	-					4.6		-4.6	458.1			411	486.6
20															

TI-588B

WORKED BY _____ CHECKED BY 1st W.D.H. 2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 23
 LINE No.(s) 49 PARTY No. 1184 DATE 28th Day MARCH Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. MCKAY RODMAN D. JENSEN WEATHER: 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.	ROD			
1												462.7				
2	S	2090		88 00					5.2	+67.7		520.4	•	412		
3	"	2080		87 42 32					5.0	+91.7	+91.7	554.4	⊙	412+2		
4	"	2420		272 17 28					5.0	+91.7			⊙	check	581.4	581.6
5	N	440		90 21 06					14.0	+16.7	+16.7	571.1	Δ			
6	"	440		269 39 02					14.0	+16.7			Δ	check		
7	—	0	—						5.8	-5.8		565.3		412+7		
8	S	330		91 13 13					15.0	-22.0	-22.0	548.1	⊙	413		
9	"	330		268 46 51					15.0	-22.0			⊙	check		
10	N	3520		88 42 40					5.0	-74.2	-74.2	474.9	Δ			See Return
11	"	3520		271 17 25					5.0	-74.3			Δ	check		
12	"	1760		89 40					14.2		-4.0	470.9		414		
13	—	0	—						5.8		-5.8	469.1		415		
14	S	1760		90 10					14.7		-19.8	455.1		416		
15	"	2970		89 17 51					5.0	+31.4	+31.5	506.4	⊙	416+6		
16	"	2970		270 42 21					5.0	+31.6			⊙	check		
17	N	2860		90 14 21					10.0	+21.9	+22.0	528.4	Δ			
18	"	2860		269 45 30					10.0	+22.1			Δ	check		
19	"	2530		90 20				5.2 Boost	19.8		-33.7	494.7		417		
20	"	770	—						9.2		-9.2	519.2		418		

TI-588B

WORKED BY _____ CHECKED BY 1st WDH 2nd _____

AREA _____ STATE or PROVINCE _____ PAGE No. 3A
 LINE No.(s) _____ PARTY No. _____ DATE _____ Day _____ Mo. _____ Yr. BOOK No. _____
 SURVEYOR _____ RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1	S	2090		88 00					5.2				558.8		412	
2	"	2420		87 42	32				5.0				582.8	⊙	412+2	
3				272 17	28				5.0					⊙		581.4 581.6
4	N	440		90 21	06				44.0			599.4		Δ		
5				269 39	02				14.0					Δ		
6		0	✓						5.8						412+7	
7	S	990		91 13	13				15.0				563.4	⊙	4134	562.0 562.2
8				268 46	51				15.0					⊙		
9	N	3520		88 42	40				5.0			489.4		Δ		
10				271 17	25				5.0					Δ		
11	"	1760		89 40					14 2				485.4		414	
12		0	✓						5.8				483.6		415	
13	S	1760		90 10					14.7				469.5		416	
14	"	2970		89 17	51				5.0				520.7	⊙	416+6	
15				270 42	21				5.0					⊙		519.4 519.7
16														Δ		
17	N	3300		90 14	21				10.0			544.8		Δ		
18				269 45	30				10.0					Δ		
19	"	2750		90 20					12.0				509.6		417	
20	"	990	✓						9.2				535.6		418	

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 4
 LINE No.(s) 49 PARTY No. 1184 DATE 28th Day MARCH Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. Mackley RODMAN D. JENSEN WEATHER: 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												528.4				<i>RE-ROW</i>
2	—	0	—					5.8		-5.8		522.6		418+5		
3	S	990		91 30			14.4			-40.3		488.1		419		504.4
4	"	2750		89 30			6.8			+17.2		545.6		420	560.8	561.8
5	"	3300		89 31 11			10.0		+17.7	+17.6		546.0	⊙	420+3	The spread 561.2	
6	"	3300		270 28 47			10.0		+17.6				⊙	check	between SP 420	
7	N	3740		89 43 33			5.0		-12.9	-12.9	533.1		Δ		# 421 is ONLY	
8	"	3740		270 16 23			5.0		-12.8				Δ	check	1540' LONG	
9	"	2750		89 50			6.6		+1.4			534.5		421		
10	"	990	—				2.8		-2.8			530.3		422		
11	—	0	—				5.8		-5.8			527.3		422+5		
12	S	770		90 40			12.6			-21.6		511.5		423		
13	"	2530		89 31 49			14.0		+6.7	+6.7		539.8	⊙	424	554.8	555.3
14	"	2530		270 28 01			14.0		+6.6				⊙	check		
15																
16																
17																
18																
19																
20																

TI-568B

WORKED BY _____ CHECKED BY 1st WDH 2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 5
 LINE No.(s) 49 PARTY No. 1184 DATE 29th 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																
2																
3																
4												539.8	⊙	SP-424		
5	N	1430		90 40 45				10.0	+27.0	+26.9	566.7		Δ			
6	"	1430		269 19 27				10.0	+26.9				Δ	check		
7	-	0	-					5.8		-5.8	560.9			424 + 7	TP-7	
8	S	330	-					11.6		-11.6	555.1			425		
9	"	1760		91 38 21				10.0	-60.3	-60.3	506.4	⊙		425 + 7	521.4	522.0
10	"	1760		268 21 50				10.0	-60.3				⊙	check		
11	N	1540		89 18 29				5.0	-40.5	-40.5	465.9		Δ			
12	"	1540		271 41 27				5.0	-40.4				Δ	check		
13	"	1210		88 30				4.3		+27.4	493.3		-	426		
14	-	0	-					5.8		-5.8	460.1			426 + 0		
15	S	550		92 20				13.5		-35.9	430.0			427		
16	"	2310		92 50				9.4		-123.6	342.3			428		
17	"	2860		92 22 31				10.0	-128.5	-128.5	337.4	⊙		428 + 3	352.4	353.0
18	"	2860		267 39 40				10.0	-128.4				⊙	check		
19	N	1760		89 13 26				10.0	-13.8	-13.8	323.6		-			
20	"	1760		270 46 32				10.0	-13.8				Δ	check		

TI-588B

WORKED BY _____

CHECKED BY 1st

WDH

2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 6
 LINE No.(s) 49 PARTY No. 1184 DATE 29th 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		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											323.6				
2	N	1210 550		92 40				13.1	-38.7		284.9		439		
3	—	0						5.8	-5.8		317.8		429 +6		
4	S	550 1210		89 10				6.3	+11.3		334.9		430		
5	"	2970		89 04 53				5.0	+42.6 +42.7		366.3	⊙	431 381.1	381.8	
6	"	2970		270 55 17				5.0	+42.8			⊙	check		
7	N	4730		90 46 25				10.0	+73.9 +73.8	440.1		Δ			
8	"	4730		269 13 39				16.0	+73.8			Δ	check		
9	"	2970		92 00				14.5	-118.2		321.9		432		
10	"	1210		92 20				10.4	-59.7		380.4		433		
11	—	0						5.8	-5.8		434.3		433 +6		
12	S	550		88 20				3.5	+10.9		451.0		434		
13	"	2310		88 33 43				10.0	+48.0 +48.0		488.1	⊙	435 503.3	504.1	
14	"	2310		271 26 26				10.0	+48.1			⊙	check		
15	N	1760		90 37 29				10.0	+29.2 +29.1	517.2		Δ			
16	"	1760		269 22 46				10.0	+29.1			Δ	check		
17	—	0						5.8	-5.8		511.4		436		
18	S	1760		89 00				5.9	+24.8		542.0		437		
19	"	2530		87 59 31				3.0	+83.7 +83.7		600.9	⊙	437 +4 616.1	617.0	
20	"	2530		272 00 41				5.0	+83.8			⊙	check		

TI-588B

WORKED BY _____

CHECKED BY 1st _____

WDH

2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 7
 LINE No.(s) 49 PARTY No. 1184 DATE 29th 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		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle of Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1													600.9			
2	N	990		90 55 16				10.0	+25.9	+25.9		626.8		Δ		
3	"	990		269 05 02				10.0	+25.8					Δ	check	
4	-	0	-					5.8		-5.8			621.0		438	
5	S	990		90 31 01				14.0	-22.9	-22.9			603.9	0	438+9	619.1 620.0
6	"	990		269 29 11				14.0	-22.9					0	check	
7	N	3520		87 04 37				5.0	-174.5	-174.5		429.4		Δ		
8	"	3520		272 55 26				5.0	-174.6					Δ	check	
9	+	2750		87 10				4.2		+136.7			561.1		439	
10	"	990		88 50				4.9		+15.3			444.7		440	
11	-	0	-					5.8		-5.8			423.6		440+5	
12	S	770		92 10				18.6		-42.7			396.7		441	
13	"	2530		91 50				13.7		-94.6			334.8		442	
14	"	4890		91 41 30				14.0	-140.6	-140.5			288.9	0	443	304.0 305.0
15	"	4890		268 18 48				14.0	-140.3					0	check	
16	N	4070		90 28 53				14.0	+47.2	+47.2		336.1		Δ		
17	"	4070		269 31 56				14.0	+47.2					Δ	check	
18	"	2310		91 50				12.4		-86.3			249.8		444	
19	"	550		93 40				13.6		-48.8			287.3		445	
20	-	0	-					5.8		-5.8			330.3		445+3	

TI-588B

WORKED BY _____ CHECKED BY 1st WDH 2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 8
 LINE No.(s) 49 PARTY No. 1184 DATE 29th 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		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												336.1				
2	S	1210		87 56 04				4.0		+39.6		325.7		446		
3	"	2420		87 52 01				14.0	+76.1	+76.1		412.2	⊙	446+6	427.5	428.6
4	"	2420		272 08 08				14.0	+76.2				⊙	check		
5	N	1760		91 24 40				15.0	+58.3	+58.3		470.5		Δ		
6	"	1760		268 35 22				15.0	+58.3					A	check	
7	"	1850		91 30				9.7		-41.4		429.1		447		
8	-	0	-					5.8		-5.8		464.7		447+6		
9	S	1550		89 30				5.4		-0.6		469.6		448		
10	"	2370		89 09 22				5.0	+29.0	+29.1		499.6	⊙	449 = TP		
11	"	2370		270 50 59				5.0	+29.3				⊙	check	514.9	516.1
12	N	1920		89 52 13				10.0	+6.8	+6.9		506.5		Δ		
13	"	1870		270 07 32				10.0	+6.9					Δ	check	
14	-	330	-					5.8		-5.8		500.7		449+7		
15	S	330	-					11.9		-11.9		494.6		450		
16	"	2090		91 10				13.2		-55.8		450.7		451		
17	"	3350		90 46 27				10.0	-62.0	-62.1		444.4	⊙	452	459.4	460.6
18	"	3850		269 13 29				10.0	-62.1				⊙	check		
19																
20																

TI-568B

WORKED BY _____

CHECKED BY 1st _____

WDH

2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 9
 LINE No.(s) 49 PARTY No. 1184 DATE 30th Day MAR Mo. 1917 Yr. BOOK No. _____
 SURVEYOR J. McKay RODMAN D. JENSEN WEATHER: CLEAR, COOL & CALM 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												444.4				
2	N	3520		90 12 34				10.0	+22.9	+22.9	467.3		A			
3	"	3520		769 47 25				10.0	+22.9				A			
4	"	1760		90 10				12.2		-17.3		450.0		453		
5	—	0	—					5.8		-5.8		461.5		454		
6	S	1760		89 10				6.2		+19.4		486.7		455		
7	"	3520		89 12 58				10.0	+38.2	+38.2		505.5	⊙	456	520.5	521.8
8	"	3520		270 47 04				10.0	+38.2				⊙	check		
9	N	4570		90 28 20				10.0	+47.2	+47.1	552.6		A			
10	N	4510		269 31 43				10.0	+47.1				A	check		
11	"	2750		90 30				6.3		-30.3		522.3		457		
12	"	990	—					11.9		-11.9		540.7		458		
13	—	0	—					5.8		-5.8		546.8		458+5		
14	S	770		90 10				13.4		-15.6		532.0		459		
15	"	2530		90 30				9.1		-31.2		521.4		460		
16	"	4290		90 21 49				10.0	-37.2	-37.2		515.4	⊙	461	530.5	532.0
17	"	4290		269 38 16				10.0	-37.1				⊙	check		
18																
19																
20																

TI-588B

WORKED BY _____ CHECKED BY 1st WDH 2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE 10
 LINE No.(s) 49 PARTY No. 1184 DATE 30th Day MARCH Mo. 1977 Yr. BOOK N
 SURVEYOR J. Markey RODMAN D. JENSEN WEATHER: Clear, cold & windy P.T.S. N

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	Correction	Center Hair			INST.	ROD		
1													515.4		
2	N	1760		89 43 54				5.0	-3.2	-3.2	512.2		Δ		
3	"	1760		270 16 07				5.0	-3.3				Δ	check	
4	-	0	-					5.8		-5.8			506.4		462
5	S	1760		91 30				12.3		-58.4			453.8		463
6	"	3520		91 36 31			8.5	Boort	23.5		-122.3		389.9	●	464
7	"	4070		91 17 24				14.0	-705.6	-105.5			406.7	○	check 464-3
8	"	4070		268 42 44				14.0	-105.5					○	421.4 423.0
9	N	1760		90 25 49				14.0	+27.2	+27.2	433.9		Δ		
10	"	1760		269 34 17				14.0	+27.2					Δ	check
11	"	550	-					8.8		-8.8			425.1		465
12	-	0	-					5.8		-5.8			428.1		465 + 3
13	S	1210	-					8.2		-8.2			425.7		466
14	"	2970		89 31 23				10.0	+14.7	+14.6			448.5	○	467 463.1 464.7
15	"	2970		270 28 23				10.0	+14.5					○	check
16	N	3520		90 05 43				5.0	+10.9	+10.9	459.4		Δ		
17	"	3520		269 54 12				5.0	+10.9					Δ	check
18	"	1760		90 10				4.4		-11.5			447.9		468
19	-	0	-					5.8		-5.8			453.6		469
20	S	1760		88 30				11.7		+34.4			493.8		470

TI-588B

WORKED BY _____ CHECKED BY 1st WDH 2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 11
 LINE No.(s) 49 PARTY No. 1184 DATE 31st 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.		
1											459.4			
2	S	3520		88 19 52				10.0	+92.5	+92.5		551.9	○	471 566.5 568.2
3	"	3520		271 40 08				10.0	+92.5				○	check
4	N	3630		94 15 32				10.0	+279.6	+279.4	831.3		Δ	
5	"	3630		265 44 47				10.0	+279.2				Δ	check
6	"	1870		96 10				10.0		-210.9		620.4		472
7	"	110	-					14.2		-14.2		817.1		473
8	-	0	-					5.8		-5.8		825.5		473+1
9	S	1650		87 50				12.0		+50.4		881.7		474
10	"	2860		87 11 16				5.0	+132.3	+132.5		966.8	○	474+6 981.5 983.3
11	"	2860		272 49 09				5.0	+135.7				○	check
12	N	3300		89 03 10				10.0	-44.6	-44.7	922.1		Δ	
13	"	3300		270 57 03				10.0	-44.8				Δ	check
14	"	3080		89 00				7.3		+46.5		968.6		474+7 TP-11
15	"	2750		89 00				6.1		+41.9		964.0		475
16	"	990	-					13.5		-13.5		908.6		476
17	-	0	-					5.8		-5.8		916.3		476 + 5
18	6	770		88 20				5.6		+16.8		938.9		477
19	"	2530		87 00				6.1		+111.6		1033.7		478
20	#													

TI-588B

WORKED BY _____ CHECKED BY 1st WDA 2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 12
 LINE No.(s) 49 PARTY No. 1184 DATE 1st Day APRIL Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. McHAY RODMAN D. GOLMAN 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												922.1				
2	S	3200		87 17 34				10.0	+145.9	+146.0		1068.1	⊙	478 + 4	1082.9	1084.8
3	"	3300		272 42 42				10.0	+146.1				⊙	check		
4	N	1540		91 27 48				14.0	+53.3	+53.2	1126.3		Δ			
5	"	1540		268 32 34				14.0	+53.2				Δ	check		
6	"	550		90 50				13.7		-21.7		1099.6		479		
7	-	0						5.8		-5.8		1115.5		479 + 3	TP-12	
8	S	1210		91 00				15.0		-36.1		1085.2		480		
9	"	2970		91 06 46				10.0	-67.7	-67.5		1053.8	⊙	481	1068.5	1070.5
10	"	2970		268 53 37				10.0	-67.3				⊙	check		
11	N	2310		90 14 15				10.0	+19.6	+19.6	1073.4		Δ			
12	"	2310		269 45 44				10.0	+19.6				Δ	check		
13	"	550						13.3		-13.3		1060.1		482		
14	-	0						5.8		-5.8		1067.6		482 + 3		
15	S	1210		90 40				15.0		-29.1		1044.3		483		
16	"	2970		90 50				8.7		-51.9		1021.5		484		
17	"	4730		90 15 48				14.0	-35.7	-35.5		1037.9	⊙	485	1052.1	1054.2
18	"	4730		269 44 29				14.0	-35.3				⊙	check		
19	N	2640		90 24 28				14.0	+32.8	+32.8	1070.7		Δ			
20	"	2640		269 35 31				14.0	+32.8				Δ	check		

TI-588B

WORKED BY _____

CHECKED BY 1st _____

WDH

2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4-ALASKA PAGE No. 13
 LINE No.(s) 49 PARTY No. 1184 DATE 1st Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. McKay RODMAN B. Goldman 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												1070.7			
2	N	880		90 40				13.7		-23.9		1046.8	486	BEGINNING OF 12-FOLD	
3	-	0	-					5.8		-5.8		1044.9	487		
4															
5	E	3.713		89 43 00				5.0	+13.4	+13.5			①	TBM # 4401 / 3825	
6		3713		270 17 10				5.0	+13.5			1084.2	①	check 1098.2	
7												1100.4		TBM Elev. +2.2 1100.4	
8												1100.4		ver. mistie	
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

t-meter

TI-598B

WORKED BY _____ CHECKED BY 1st WDH 2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4-ALASKA PAGE No. 14
 LINE No.(s) 49 PARTY No. 1184 DATE 13th Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. McKay RODMAN B. Goldman 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.		
1											1100.4			
2														
3														
4														
5														
6	E	3713		89 43 00				5.0	-13.4	-13.4	1087.0			
7	"	3713		270 17 10				5.0	-13.5					
8	S	880		89 20 00				2.8		+7.4	1094.4		488	
9	"	1760		89 10			(8.5 foot)	23.3		+2.3	1089.3		489	
10	"	2640		89 20			(8.5 foot)	23.1		+7.6	1094.6		490	
11	"	3520		89 20			(8.5 foot)	23.1		+17.9	1104.9		491	
12	"	4400		89 03 02				14.0	58.9	+58.9	1145.9		492	
13	"	4400		270 57 01				14.0	59.0				check	
14	N	3410		91 51 09				14.0	124.2	+124.3	1270.2			
15	"	3410		268 08 40				14.0	124.4				check	
16	"	2530		92 10				10.1		-105.8	1164.4		493	
17	"	1650		92 10				13.6		-76.0	1197.2		494	
18	"	770		91 50				13.2		-37.8	1232.4		495	
19	-	0	-					5.8		-5.8	1264.4		495 +4	
20	S	110	-					9.3		-9.3	1260.9		496	

TI-586B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 15
 LINE No.(s) 49 PARTY No. 1184 DATE 12th Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. McMAN RODMAN B. Goldman WEATHER: CLEAR 3 COOL 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											1270.2			
2	S	990		92 00				13.6	-48.2		1222.0	497		
3	"	1980		92 10				14.9	-89.8		1190.4	498	1180.5	
4	"	2840		91 45 17				14.0	-101.6	-101.5	1168.7	⊙ 499	1171.7	
5	"	2840		268 15 00				14.0	-101.3			⊙	check	
6	N	2310		89 01 17				5.0	-34.5	-34.6	1134.1	Δ		
7	"	2310		270 59 09				5.0	-34.7			Δ	check	
8	"	1430		90 10				14.7		-18.9	1115.2	500		
9	"	550	-					14.3		-14.3	1129.8	501	1119.8	
10	-	0	-					5.8		-5.8	1128.3	501	+3	
11	S	330	-					13.7		-13.7	1120.4	502		
12	"	1210		91 50			(8.5 foot)	22.3		-61.0	1073.1	503		
13	"	2090		91 30 01				14.0	-68.7	-68.6	1065.5	⊙ 504	1069.4	
14	"	2090		268 30 21				14.0	-68.5			⊙	check	
15	N	3190		89 02 40				5.0	-48.2	-48.3	1017.2	Δ		
16	N	3190		270 57 35				5.0	-48.4			Δ	check	
17	N	2310		89 40				5.3		+8.1	1025.3	505		
18	"	1430		90 10				14.7		-18.9	998.3	506		
19	"	550		91 20				12.8		-25.6	891.6	507	991.8	
20	-	0	-					5.8		-5.8	1011.4	507	+3	

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE ALASKA PAGE No. 16
 LINE No.(s) 49 PARTY No. 1184 DATE 2 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR J. MCKAY RODMAN B. GOLDMAN 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											1017.2			
2	S	330		90 50				14.0	-18.8		1068.9	508	998.6	
3	"	1210		91 30				13.4	-45.1		972.1	509		
4	"	2090		89 50				13.8	-7.7		1009.5	510		
5	"	2970		89 26 54				14.0	+14.6	+14.7	1031.9	511	1037.1	
6	"	2970		270 33 22				14.0	14.8			511	check	
7	N	880		89 56 40				14.0	13.1	+13.1	1045.0	511		
8	"	880		270 03 34				14.0	13.1			511	check	
9	-	0						5.8	-5.8		1039.2	512	1/2 TP-17	
10	S	880		91 40				11.0	-26.6		1018.9	513	1008.5	
11	"	1760		90 30				14.9	-30.3		1014.7	514		
12	"	2640	-					14.7	-14.7		1030.3	515		
13	"	3520		89 50				5.0	+5.2		1050.2	516		
14	"	4400		89 40 06				5.0	+20.5	+20.5	1065.5	517	1065.2	
15	"	4400		270 19 55				5.0	+20.5			517	check 1071.5	
16	N	1760		90 03 22				5.0	6.7	+6.7	1072.2	517		
17	"	1760		269 56 36				5.0	6.7			517	check	
18	"	880	-					6.9	-6.9		1065.3	518		
19	-	0	-					5.8	-5.8		1066.4	519		
20														

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA TITALUK RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 17
 LINE No.(s) 49 PARTY No. 1184 DATE 2ND Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. McHAY RODMAN B. Goldman WEATHER: cloudy & cool 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	Hoir Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												1072.3			1083.4
2	NW	1280		89 15 44					5.0	11.5	+11.5		1083.7	⊙	TBM # 4903
3	"	1280		270 44 21					5.0	11.5				⊙	check 1090.3
4													1090.3		eku. TBM # 4903
5													-6.6	vern	mistia
6															
7															
8															
9															
10															
11													1090.3	⊙	TBM # 4903
12	NW	1280		89 15 44					5.0	-11.5	-11.5	1078.8		Δ	
13	NW	1280		270 44 21					5.0	-11.5				Δ	check
14															
15	S	880		91 20					12.6		-33.1		1045.7		520
16	"	1760		91 20					12.7		-53.7		1025.1		521
17	"	2040		91 35 10					14.0		-87.1		991.7		522
18	"	3520		90 46 57					14.0	-62.1	-62.1		1016.7	⊙	523 1016.9
19	"	3520		269 12 59					14.0	-62.1				⊙	check
20															

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd

STADIA SURVEY NOTES

AREA QUARTZITE CREEK STATE or PROVINCE ALASKA PAGE No. 18
 LINE No.(s) 49 PARTY No. 1184 DATE 2 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR J. MCKAY RODMAN B. GOLDMAN 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												1016.7				
2	N	3190		91 29 56				14.0	96.5	+96.6	1113.3		Δ			
3	"	3190		268 30 54				14.0	96.7				Δ	check		
4	"	2310		91 30				14.4		-74.9		1038.4		524		
5	"	1430		91 30				11.2		-44.5		1068.8		525		
6	"	550		90 30				12.8		-17.6		1095.7		526		
7	-	0	-					5.8		-5.8		1107.5		526	+3	
8	S	330		90 10				3.4		-4.4		1108.9		527		
9	"	1210		90 10				13.7		-17.2		1096.1		528		
10	"	2090		90 10				(8.5 foot)	22.5	-28.6		1084.7		529		
11	"	2970		90 16 31				(8.5 foot)	22.5	-36.8		1076.5		530		
12	"	3850		90 10				(8.5 foot)	15.5	-26.7		1086.6		531		
13	"	4730		89 56 53				14.0	-9.7	-9.6		1103.7	0	532	1103.2	
14	"	4730		270 03 17				14.0	-9.5				0	check	1103.6	
15	N	2090		93 20 39				14.0	135.9	+135.9	1239.6		Δ			
16	"	2090		266 39 19				14.0	135.9				Δ	check		
17	"	1210		93 40				13.9		-91.3		1148.3		533		
18	"	330		91 30				14.8		-23.4		1216.2		534		
19	-	0	-											534	+2	
20																

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA QUARTZITE CREEK STATE or PROVINCE ALASKA PAGE No. 19
 LINE No.(s) 49 PARTY No. 1184 DATE 2 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR J. MCKAY RODMAN B. BOLDMAN 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												1239.6				
2	S	550		88 59 21				8.0	1.7	+1.7		1241.3	⊙	535	1240.9	
3	N	550		271 00 33				8.0	1.7				⊙	check	1241.4	
4	E	1540		91 10 12				14.0	45.4	+45.4	1286.7		Δ			
5	"	1540		248 49 50				14.0	45.4				Δ	check		
6	W	1300		88 46 52				5.0	22.7	+22.7		1309.4	⊙	TBM # 4904		
7	"	1300		271 13 13				5.0	22.7				⊙	check	1309.0	
8												1309.6		Elev.		(0.6)
9												-0.2		Ver. mistia	1309.6	
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA QUARTZITE CREEK STATE or PROVINCE ALASKA PAGE No. 20
 LINE No.(s) 49 PARTY No. 1184 DATE 2 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR J. MCKAY RODMAN E. GOLDMAN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1															
2															
3															
4															
5	W	1300		88 46 52					22.7	-22.7	1286.9		0	BAS 4904	
6	"	1300		271 13 13					22.7				Δ	check	
7	E	1540		91 10 12					-45.4	-45.4		1241.5	0	1241.9	
8	"	1546		268 49 50					-45.4				0	check	
9	N	550		88 56 00					-5.2	-5.2	1236.3		Δ		
10	"	550		271 03 46					-5.2				Δ	check	
11	—	0	—							-5.8		1230.5		535+3	
12	S	330		92 40						-30.4		1205.9		536	
13	"	1210		93 30						-85.9		1150.4		537	
14	"	2090		93 22 33					-137.1	-137.1		1099.2	0	538 1099.9	
15	"	2090		266 37 24					-137.1				0	check	
16	N	4400		88 26 52					-114.2	-114.2	985.0		Δ		
17	"	4400		271 33 02					-114.1				Δ	check	
18	"	3520		88 50						+58.1		1043.1		539	
19	"	2640		89 30						+15.2		1000.2		540	
20	"	1760		90 10						-16.6		968.4		541	

TI-598B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____ 

STADIA SURVEY NOTES

AREA QUARTZITE CREEK STATE or PROVINCE ALASKA PAGE No. 21
 LINE No.(s) 49 PARTY No. 1184 DATE 2 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR J. MCKAY RODMAN B. GOLDMAN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											985.0				
2	N	880	-					13.8	-13.8		971.2		542		
3	-	0	-					5.8	-5.8		979.2		543		
4	S	880	-					3.3	-3.3		981.7		544		
5	"	1760		89 40				4.5	+5.7		990.7		545		
6	"	2640		89 20				5.6	+25.1		1010.1		546		
7	"	3520		88 50				6.9	+64.8		1049.8		547		
8	"	4400		88 50 43				15.0	73.7 +73.7		1058.7	0	548	1060.6	
9	"	4400		271 09 13				15.0	73.6			0	check		
10	N	2640		89 56 42				14.0	11.5 +11.5	1070.2		Δ			
11	"	2640		270 03 23				14.0	11.4			Δ	check		
12	"	1760		91 00				15.0			1024.5		549		
13	"	880		92 10				12.5	-45.8		1024.4		550		
14	-	0	-					5.8	-5.8		1064.4		551		
15	S	880		86 07 24				5.0	54.5 +54.5		1124.7	0	552	1127.1	
16	"	880		273 52 41				5.0	54.5			0	check		
17															
18															
19															
20															

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA Quartzite Creek STATE or PROVINCE Ret. 4 - ALASKA PAGE No. 22
 LINE No.(s) 49 PARTY No. 1184 DATE 3rd Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. McHAY RODMAN R. Goldman WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2															
3															
4												1124.7	⊙	552	
5	N	880		92 36 33				14.0	+54.1	+54.0	1178.7		Δ		
6	"	880		267 23 49				14.0	+54.0				Δ	check	
7	—	0						5.9		-5.9		1172.8		553	MARKER PIPE
8	S	550		90 49 46				14.0	-22.0	-21.9		1156.8	⊙	553 + 3	
9	"	550		269 10 24				14.0	-21.9				⊙	check	1159.4
10	N	2640		87 35 08				5.0	-106.2	-106.3	1050.5		Δ		
11	"	2640		272 25 10				5.0	-106.4				Δ	check	
12	"	2310		87 40				8.5		+85.5		1136.0		554	
13	"	1430		87 50				11.0		+43.1		1093.6		555	
14	"	550		89 50				3.0		-1.4		1049.1		556	
15	—	0						5.8		-5.8		1044.7		556 + 3	
16	S	330		91 50				14.5		-25.1		1025.4		557	
17	"	1210		92 10				11.6		-67.3		993.2		558	
18	"	2090		92 00				10.8		-83.7		966.8		558 + #	
19	"	2860		91 57 29				14.0	-116.7	-111.5		939.0	⊙	559 + #	942.4
20	"	2860		268 03 00				14.0	-111.3				⊙	check	

TI-598B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA AWUNA RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 23
 LINE No.(s) 49 PARTY No. 1184 DATE 3rd Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. McMan RODMAN B. Goldman 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													939.0			
2	N	3630		89 30 58				14.0	-14.7	-14.6	922.4			Δ		
3	"	3630		270 29 00				14.0	-14.6					Δ	check	
4	"	3520		90 20				6.3		-26.3			896.1		560	
5	"	2640		90 40				13.5		-44.2			878.2		561	AWUNA RIVER
6	"	1760		90 30				13.4		-28.8			893.6		562	
7	"	880		90 10				14.0		-14.6			905.8		563	
8	-	0	-					5.8		-5.8			916.6		564	
9	S	880		88 14 08				14.0	+13.1	+13.1			935.5	0	565	939.5
10	"	880		271 46 00				14.0	+13.1					0	check	
11	N	2640		90 29 36				14.0	+36.7	+36.7	972.2			Δ		
12	"	2640		269 30 32				14.0	+36.6					Δ	check	
13	"	1760		90 40			(9.5 foot)	22.3		-42.8			929.4		566	
14	"	880	-					14.9		-14.9			958.3		567	
15	-	0	-					5.8		-5.8			966.4		568	TP-
16	S	880		89 20				6.0		+4.2			976.4		569	
17	"	1760		89 22 57				10.0	+9.0	+9.0			981.2	0	570	985.8
18	"	1760		270 37 08				10.0	+9.0					0	check	
19																
20																

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____ *AW*

STADIA SURVEY NOTES

AREA AWUNA RIVER STATE or PROVINCE PET. 4 - ALASKA PAGE No. 24
 LINE No.(s) 49 PARTY No. 1184 DATE 3rd Day April Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. McKay RODMAN T. Goldman 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1											981.2			
2	N	4400		90 11 37				5.0	+19.9	+19.9	1001.1		Δ	
3	N	4400		269 48 17				5.0	+20.0				Δ	check
4	"	3520		90 10				6.0		-16.2		984.9		571
5	"	2640	-					14.9		-14.9		986.2		572
6	"	1760	-					13.3		-13.3		987.8		573
7	"	880	-					7.8		-7.8		993.3		574
8	-	0	-					5.8		-5.8		995.3		575
9	S	880		89 50				3.3		-0.7		1000.4		576
10	"	1760		89 50				6.8		-1.7		999.4		577
11	"	2640		89 58 35			(8.5 foot)	22.9		-20.3		980.9		578
12	"	3520		89 56 35			(9.5 foot)	23.3		-19.8		981.3		579
13	"	4400		89 54 55				14.0	-7.5	-7.2		993.9	0	580 999.7
14	"	4400		270 05 29				14.0	-7.0				0	check
15	N	3520		91 52 05				14.0	+128.7	+128.6	1122.5		Δ	
16	"	3520		268 08 08				14.0	+128.5				Δ	check
17	"	2640		92 10				8.0		-107.8		1014.7		581
18	"	1760		92 10				8.5		-75.0		1047.5		582
19	"	880		91 40				14.1		-39.7		1082.8		583
20	-	0	-					5.8		-5.8		1116.7		584

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA Lookout Ridge ~~Point~~ ~~River~~ STATE or PROVINCE PET. 4 - ALASKA PAGE No. 25
 LINE No.(s) 49 PARTY No. 1184 DATE 3rd Day APRIL Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. McHarty RODMAN B. Goldman 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		AB.S. OF.S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												1122.5				
2	S	880		87 30				3.9		+34.5		1157.0		585		
3	"	1760		87 12 32				5.0	+80.7	+80.7		1203.2	⊙	586	1209.7	
4	"	1760		87 47 38				5.0	+80.8				⊙	CHECK		
5	N	990		92 12 07				14.0	+52.0	+52.0		1255.2	Δ			
6	"	990		267 48 10				14.0	+52.0				Δ	check		
7	"	110	-					10.3		-10.3		1244.9		587		
8	-	0	-					5.8		-5.8		1249.4		587 +1		
9	S	770		89 08 26				5.0	+6.5	+6.6		1261.8	⊙	588	TP-	
10	"	770		270 51 47				5.0	+6.6				⊙	check	1268.5	
11	N	3190		89 58 50				10.0	+8.9	+8.9		1270.7	Δ			
12	"	3190		270 01 18				10.0	+8.8				Δ	check		
13	"	2310		90 10				10.0		-16.7		1254.0		589		
14	"	1430		90 40				23.4		-40.0		1230.7		590		
15	"	590		90 10				15.0		-16.6		1254.1		591		
16	-	0	-					5.8		-5.8		1264.9		591 +3		
17	S	330		95 19 50				14.0	-44.7	-44.6		1226.1	⊙	592	1233.3	
18	"	330		264 40 40				14.0	-44.6				⊙	check		
19																
20																

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA Lookout Ridge STATE or PROVINCE PET. 4 - ALASKA PAGE No. 26
 LINE No.(s) 49 PARTY No. 1184 DATE 3rd Day APRIL Mo. 1977 Yr. BOOK No. _____
 SURVEYOR J. McKay RODMAN B. Goldman 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		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1													1226.1		
2	W	705		91 20 27				14.0	+ 30.5	+ 30.5	1250.6			Δ	
3	R	705		268 39 48				14.0	+ 30.4					Δ	check
4	E	2893		91 27 22				14.0	- 87.5	- 87.5				⊙	Term #4907
5	"	2893		268 32 46				14.0	- 87.4				1169.1	⊙	check
6													1176.8		Elev. 1176.8
7													-7.7		ver. mistie
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

T-meter

TI-598B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

McK

STADIA SURVEY NOTES

AREA LOOKOUT RIVER STATE or PROVINCE ALASKA PAGE No. 27
 LINE No.(s) H9 PARTY No. 1184 DATE 4 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR W D HELANDER RODMAN B. GOLDMAN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2															
3	E	1980		91-19-10											
4	"	1980		268-40-37											
5		0													
6	W	880		87-56-35											π
7	"	880		272-03-30											1254.2
8	E	2160		85-31-15											
9	"	2160		274-28-18											
10	N	880		86-25-50											
11		0													
12	S	880		92-36-50											
13	"	1760		92-40-05											
14	"	1760		267-19-10											
15	N	2640		89-12-00											
16	"	2640		270-47-55											
17	"	1760		91-27-13											
18	"	880		92-02-07											
19		0													
20	S	880		89-25-44											

12.9
 3.0 1/2
 9.9
 14.8
 6.0
 880
 13.8 1/2
 3.0
 10.8

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA LOOKOUT RIVER STATE or PROVINCE ALASKA PAGE No. 28
 LINE No.(s) 49 PARTY No. 1184 DATE 4 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR WD HELANDER RODMAN B GOLDMAN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1															
2															
3	S	1430		89-21-16				10.0	6.1	+6.1		972.5	0	600	- 3
4	"	1430		270-38-38				10.0	6.1				0		973.1
5	N	3232		90-31-20				10.0	39.5	+39.6	1012.1		Δ		
6	"	3232		269-28-25				10.0	39.7				Δ		
7	"	2902		90-51-22				10.0		-53.4		958.7	-	601	
8	"	2022		91-47-50				23.5		-86.9		925.2	-	602	
9	"	1142		91-18-55				10.0		-36.2		975.9	-	603	
10	"	262	✓					9.4		-9.4		1002.7	-	604	
11		0						41	6.5	-6.5		1005.6		604+262 X	BA54908
12												1006.4		ELEV	4908
13												- 0.8		MISTIE	1006.4
14															
15															
16															
17															
18															
19															
20															

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____ *M*

STADIA SURVEY NOTES

AREA LOOKOUT RIVER STATE or PROVINCE ALASKA PAGE No. 29
 LINE No.(s) 49 PARTY No. 1187 DATE 4 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR W D HELANDER RODMAN B. GOLDMAN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1				TAKE OFF				BAS	4908				1006.4		
2															
3		0									+6.5	1012.9		Δ	
4	S	618		90-42-12							-21.6	991.3		-	605
5	"	1498		71-14-33							-46.5	966.4		-	606
6	"	2378		91-00-06							-55.6	-55.8	957.1	0	607 957.6
7	"	2378		268-59-18							-56.0			0	
8	N	2640		89-21-11							-24.8	-24.8	932.3		Δ
9	"	2640		270-38-45							-24.8				Δ
10	"	1760		89-38-20							+7.1		939.4		- 608
11	"	880		90-18-07							-8.6		923.7		- 609
12		0							41		-5.8		926.5		610 π
13	S	880		88-33-33							-18.1		914.2		- 611 950.5
14	"	1430		88-28-00							28.3	+28.2	910.5	0	611-3 961.8
15	"	1430		271-31-37							28.1				0
16	N	2970		89-23-00							-27.6	-26.8	933.7		Δ
17	"	2970		270-36-25							-26.5				Δ
18	"	2090		89-18-44							+21.1		954.8		- 612
19	"	1210		91-04-33							-5.6		928.1		- 613 10 MILE PIPE
20	"	330		92-59-10							-21.2		912.5		- 614

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA LOOKOUT RIVER STATE or PROVINCE ALASKA PAGE No. 30
 LINE No.(s) 49 PARTY No. 1184 DATE 4 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR W D HELANDER RODMAN B GOLDMAN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												933.7			
2															
3		0												614.2	π
4	S	550		90-34-55				4.0		-9.6		924.1	-	615	
5	"	1430		90-35-11				4.0		-18.6		915.1	-	616	
6	"	2310		89-41-28				14.0	-1.5	-1.5		932.2	0	617	934.6
7	"	2310		270-18-33				14.0	-1.5				0		
8	N	2640		89-47-46				10.0	0.5	+0.5	932.7		Δ		
9	"	2640		270-12-26				10.0	0.5				Δ		
10	"	1760		89-50-45				5.0		-0.3		932.4	-	618	
11	"	880		89-52-45				4.0		-2.1		936.6	-	619	
12		0						5.9		-5.9		926.8		620	κ
13	S	880		90-56-25				4.0		-18.4		914.3	-	621	
14	"	1760		90-33-00				14.0		-30.9		901.8	-	622	
15	"	2640		90-07-05				14.0	-19.4	-19.4		913.3	0	623	916.8
16	"	2640		269-52-50				14.0	-19.5				0		
17	N	2640		90-37-30				10.0	38.8	+38.8	952.1		Δ		
18	"	2640		269-22-25				10.0	38.9				Δ		
19	"	1760		90-34-10				4.0		-21.5		930.6	-	624	
20	"	880		90-49-44				4.0		-14.7		935.4	-	625	

TI-598B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA LOOKOUT RIVER STATE or PROVINCE ALASKA PAGE No. 31
 LINE No.(s) 49 PARTY No. 1184 DATE 4 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR W D HELANDER RODMAN B. GOLDMAN 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												952.1				
2																
3	S	0	0					HI	5.8		-5.8		946.3		626	π
4	"	880		89-28	50				4.0		+4.0		956.1	-	627	
5	"	1760		89-10	15				10.0		+15.5		967.6	-	628	
6	"	2640		89-13	20				10.0	25.8	+25.8		977.9	0	629	982.5
7	"	2640		270-46	40				10.0	25.8				0		
8	N	2640		71-20	42				10.0	72.0	+72.0	1049.9		Δ		
9	"	2640		268-39	14				10.0	72.0				Δ		
10	"	1760		91-40	10				4.0		-55.3		994.6	-	630	
11	"	880		91-51	11				4.0		-32.5		1017.4	-	631	
12		0						HI	5.8		-5.8		1044.1		632	π
13	S	880		88-07	11				4.0		+24.9		1074.8	-	633	
14	"	1760		88-04	25				4.0		+55.2		1105.1	-	634	
15	"	2640		87-49	50				5.0	94.9	+94.9		1144.8	0	635	1150.5
16	"	2640		272-10	12				5.0	95.0				0		
17	N	2090		93-37	33				10.0	142.2	+142.1	1286.9		Δ		
18	"	2090		266-22	42				10.0	142.0				0		
19	"	1210		93-53	50				4.0		-86.2		1200.7	-	636	
20	"	330		94-19	44				4.0		-28.9		1258.0	-	637	

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA LOOKOUT RIVER STATE or PROVINCE ALASKA PAGE No. 32
 LINE No.(s) 49 PARTY No. 1184 DATE 5 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN B. GOLDMAN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											1286.9				
2															
3		0											637-2	π	
4	S	550		89-22-50				14.0	-8.1	-8.1		1279.8	0	638 1285.0	
5	"	550		270-36-26				14.0	-8.2				0		
6	N	3520		87-17-05		87-12-27		10.0	-161.5	-161.3	1117.5		4		
7	"	3520		272-47-10				10.0	-161.1				A		
8	"	2640		87-42-22				4.0		+101.7		1219.2	-	639	
9	"	1760		88-44-30				4.0		+34.7		1152.2	-	640	
10	"	880		92-37-25				4.0		-44.3		1073.2	-	641	
11		0					41	5.8		-5.8		1111.7		642	
12	S	880		87-58-11				10.0	21.2	+21.2		1138.7	0	643 1145.9	
13	"	880		272-01-28				10.0	21.1				0		
14	E	2820		88-23-54				5.0	-73.8	-74.1	1064.6		A		
15	"	2820		271-36-45				5.0	-74.4				A		
16		0												π	
17	W	1760		90-12-33				10.0	-16.4	-16.5		1048.1	0	BAS 4909	
18	"	1760		269-47-05				10.0	-16.6				0		
19												1056.2		ELEV 1056.2	
20												-8.1		MISTLE	

14.6 1/2
 0.5 1/2
 14.1
 13.8
 5.0 1/2
 8.80

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA LOOKOUT RIVER STATE or PROVINCE ALASKA PAGE No. 33
 LINE No.(s) 49 PARTY No. 1184 DATE 5 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR WD HELANDER RODMAN B GOLDMAN 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													1056.2			
2																
3	W	1760		90-12-33				10.0	+16.4	+16.5		1072.7		Δ		
4	"	1760		269-47-05				10.0	+16.6					Δ ₁		
5		0						0								
6	E	2820		88-23-54				5.0	+73.8	+74.1		1146.8	0	643	1146.9	
7	"	2820		271-36-45				5.0	+74.4					0 ₁		
8	N	2970	✓					5.3		+5.3	1152.1			Δ		
9	"	2970		89-54-33				10.0	5.3					Δ ₁		
10	"	2090		90-49-11				4.0		-33.9		1118.2	-	644		
11	"	1210		91-00-31				4.0		-25.3		1126.8	-	645		
12	"	330		90-59-15				4.0		-9.7		1142.4	-	646		
13		0													646-2	π
14	S	550		90-46-40				4.0		-11.5		1140.6	-	647		
15	"	1430		90-15-30				4.0		-10.4		1141.7	-	648		
16	"	2310	✓					4.9		-4.9		1147.2	0	649	1147.4	
17	"	2310		89-52-15				10.0	-4.8					0 ₁		
18	N	1760		90-30-25				14.0	29.6	+29.6	1176.8			Δ		
19	"	1760		269-29-25				14.0	29.7					Δ ₁		
20	"	880		91-03-10				4.0		-20.2		1156.6	-	650		

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA COLVILLE RIVER STATE or PROVINCE ALASKA PAGE No. 34
 LINE No.(s) 49 PARTY No. 1184 DATE 5 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR WD HELANDER RODMAN B GOLDMAN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair.	INST.			
1											1176.8				
2															
3		0													
4	S	880		88-40-44						-5.8		1176.0	651	π	
5		1760		88-25-05						+16.3		1193.1	652		
6		2640		88-24-44						+44.6		1221.4	653		
7		2640		88-24-44					68.2	+68.0		1244.8	654	1245.1	
8	N	2640		71-24-50					5.0				0		
9		2640		90-40-10					5.0				A		
10		2640		90-19-25					14.0	+45.0	1289.8		A		
11		1760		90-28-38					14.0			1261.1	655		
12		880		90-35-12					4.0	-13.0		1276.8	656		
13		0							4.0			1284.0	657	π	
14	S	880		90-35-33					4.0	-13.1		1276.7	658		
15		1760		90-27-11					4.0	-17.9		1271.9	659		
16		2640		90-25-00					14.0	-33.2	-33.3	1256.5	660	1256.9	
17		2640		269-34-40					14.0	-33.5			0		
18	N	2640		89-20-55					10.0	-20.3	-20.6	1236.5	A		
19		2640		70-39-00					10.0	-19.9			A		
20		1760		90-05-35					4.0	-6.9		1229.6	661		
21		880		90-09-00					4.0	-6.3		1230.2	662		

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

John Meyer

W

STADIA SURVEY NOTES

AREA COLVILLE RIVER STATE or PROVINCE ALASKA PAGE No. 35
 LINE No.(s) 49 PARTY No. 1184 DATE 6 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR WD HELANDER RODMAN D. JENSEN WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	SEAMAN 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												1236.5				
2																
3		0						HI	58		-5.8	1230.7		663	π	
4	S	880		90-07-33					4.0		-5.9	1230.6	-	664		
5	"	1760	✓						6.3		-6.3	1230.2	-	665		
6	"	2640	✓						10.7		-10.7	1225.8	0	666	1226.3	
7	"	2640		89-55-05					14.0	-10.2				0		
8	N	550		89-36-55					5.0	1.3	+1.3	1227.1		Δ		
9	"	550		270-23-13					5.0	1.3				Δ		
10		0													66-3	π
11	S	330	✓						14.6		-14.6	1212.5	0	667	1213.0	
12	"	330		90-47-37					10.0	-14.6				0		
13	N	2310		89-48-13					10.0	2.1	+2.1	1214.6		Δ		
14	"	2310		270-11-36					10.0	2.2				Δ		
15	"	1430		89-42-00					14.0		-6.5	1208.1	-	668		
16	"	550		89-47-27					2.0		0.0	1214.6	-	669		
17		0													669-3	π
18	S	330		91-19-30					25.0		-30.6	1184.0	-	670		
19	"	1210		93-39-11					23.0		-100.1	1114.5	-	671		
20																

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA COLVILLE RIVER STATE or PROVINCE ALASKA PAGE No. 36
 LINE No.(s) 49 PARTY No. 1184 DATE 6 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR WD HELANDER 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												1234.6				
2																
3	W	2740		89-14-42				10.0	26.1	+25.9		1240.5	0	BAS	4910	
4	"	2740		278-44-44				10.0	25.7				0			
5												1241.1		ELEV	1241.1	
6												-0.6		MISTIE		
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

14.7 1/2
 1.0
 15.70
 2740

TI-5888

WORKED BY _____

CHECKED BY 1st _____

Gale Myers

2nd _____

[Signature]

STADIA SURVEY NOTES

AREA COLVILLE RIVER STATE or PROVINCE ALASKA PAGE No. 37
 LINE No.(s) 49 PARTY No. 1184 DATE 6 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR WD HELANDER 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.	ROD		
1															
2															
3	W	2740		89-14-42									1241.1		
4	"	2740		270-44-44											Δ
5															669-3 π
6	S	2090		93-51-28									1060.4	0	672 1060.5
7	"	2090		266-07-50										0	
8	N	2640		89-49-48									1066.7		Δ
9	"	2640		270-09-52											Δ
10	"	1760		89-52-30									-10.2		673
11	"	880	✓										-2.7		674 MARKER PIPE
12		0											-5.8		675 π
13	S	880		89-41-30									-0.3		676
14	"	1760		89-40-45									-0.1		677
15	"	2640		87-09-16									+127.1		678
16	"	3410		86-34-40									+198.4		678-4 1265.3
17	"	3410		273-25-00									198.2		0
18	N	110	✓										+7.7		1272.8 Δ
19	"	110		91-28-40									+7.8		Δ
20		0											-5.8		679 π

TI-588B

WORKED BY

CHECKED BY 1st

Gale Myers

2nd

STADIA SURVEY NOTES

AREA COLVILLE RIVER STATE or PROVINCE ALASKA PAGE No. 38
 LINE No.(s) 49 PARTY No. 1184 DATE 6 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR WD HELANDER 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												1272.8				
2																
3	S	880		91-04-48				4.0		-20.6		1252.2	-	680		
4	"	1760		90-28-33				4.0		-18.6		1254.2	-	681		
5	"	2640	✓					12.1	-12.1	-12.1		1260.7	0	682	1260.9	
6		2640		90-02-48				10.0	-12.2				0.			
7	N	3520		91-36-27				10.0	108.7	+108.9	1369.6		Δ			
8	"	3520		268-23-20				10.0	109.0				Δ			
9	"	2640		91-54-00				4.0		-91.5		1278.1	-	683		
10	"	1760		92-09-15				4.0		-70.2		1299.4	-	684		
11	"	880		92-15-42				4.0		-38.7		1330.9	-	685		
12		0					H)	5.8		-5.8		1363.8		686	π	
13	S	880		90-57-56				4.0		-18.8		1350.8	-	687		
14	"	1760		90-48-25				4.0		-28.8		1340.8	-	688		
15	"	2640		90-39-31				10.0	-40.3	-40.6		1329.0	0	689	1329.4	
16	"	2640		269-19-46				10.0	-40.9				0.			
17	N	2823		90-43-00				14.0	49.3	+49.3	1378.3		Δ			
18	"	2823		269-17-00				14.0	49.3				Δ			
19																
20																

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA Colville RIVER STATE or PROVINCE ALASKA PAGE No. 39
 LINE No.(s) 49 PARTY No. 1194 DATE 6 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR: W. HELANDER RODMAN D. JENSEN WEATHER: _____ P.T.S. No. _____

83
89
1068
280
1943

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												1378.3			
2															
3	N	1943		91-08-11					4.0	-42.5		1335.8	-	690	
4	"	1063		91-12-10					4.0	-26.3		1352.0	-	691	
5	"	183		92-23-44					4.0	-11.6		1366.7	-	692	
6		0													
7								41	5.6	-5.6		1372.7		BAS 4911	TA
8												1373.1		" "	ELEV. 13731
9												-0.4		ver. mistie	
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

TI-5888

WORKED BY _____

CHECKED BY 1st Jack Myers

2nd [Signature]

STADIA SURVEY NOTES

AREA LOST TEMPER CREEK STATE or PROVINCE ALASKA PAGE No. 40
 LINE No.(s) 49 PARTY No. 1184 DATE 7 Day 4 Mo. 77 Yr. BOOK No.
 SURVEYOR W.D. HELANDER 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.	ROD		
1			TAKE OFF			BAS 4911						1373.1			
2															
3	N	3006.9	90-34	50				10.0	40.5	+40.4	1413.5		Δ		
4	"	3006.9	269-25	22				10.8	40.3				Δ ₁		
5	"	2310	90-47	25				4.0		-35.9	1377.6		-	693	
6	"	1430	91-08	53				10.0		-38.7	1374.8		-	694	
7	"	550	91-11	04				4.0		-15.4	1398.1		-	695	
8		0												695-3	π
9	S	330	92-42	00				4.0		-19.5	1394.0		-	696	
10	"	1210	91-54	11				4.0		-37.1	1376.4		-	697	
11	"	2090	91-37	20				4.0		-63.2	1350.3		-	698	
12	"	2970	91-26	05				14.0	-98.4	-88.5	1325.0		○	699	1325.2
13	"	2970	768-33	30				14.0	-88.7				○ ₁		
14	N	3190	89-54	30				10.0	-13.7	-13.7	1311.3		Δ		
15	"	3190	270-25	40				10.0	-13.8				Δ ₁		
16	"	2310	89-47	00				4.0		+4.7	1316.0		-	700	
17	"	1430	91-06	28				4.0		-31.6	1279.7		-	701	
18	"	550	91-31	05				14.0		-28.6	1282.7		-	702	
19		0												702-3	π
20	S	330						4.0	9.8	-9.8	1301.5		-	703	

TI-588B

WORKED BY

CHECKED BY 1st

2nd

STADIA SURVEY NOTES

AREA LOST TEMPER CREEK STATE or PROVINCE ALASKA PAGE No. 41
 LINE No.(s) 49 PARTY No. 1184 DATE 7 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR W D HELANDER 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.	ROD		
1												1311.3			
2															
3	S	1210	✓											704	
4	"	2090		89-43-30							+6.0		1317.3	-	705
5	"	2970		89-18-15						31.1	+31.0		1342.3	0	706 1342.7
6	"	2970		270-41-40						31.0				0	
7	N	1430		92-54-30						86.7	+86.7	1429.0		Δ	
8	"	1430		267-05-05						86.7				Δ	
9	"	550		93-33-45							-38.2		1390.8	-	707
10		0													707-B
11	S	330	✓								-3.1		1425.9	-	708
12	"	1210		88-02-17						36.4	+36.3		1465.3	0	709 1465.8
13	"	1210		271-57-17						36.3				0	
14	N	1430		91-30-07						51.5	+51.5	1516.8		Δ	
15	"	1430		268-29-41						51.6				Δ	
16	"	550		93-04-15							-33.5		1493.3	-	710
17		0													710-B
18	S	330	✓							8.8	-8.8		1508.0	0	711 1508.6
19	"	330		89-47-00						10.0	-8.6			0	
20															

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA LOST TEMPER CREEK STATE or PROVINCE ALASKA PAGE No. 42
 LINE No.(s) 49 PARTY No. 1184 DATE 7 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR W D HELANDER 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												1508.0				
2															711	
3	N	2640		87-32-55					5.0	-107.9	-107.6	1400.4		Δ		
4	"	2640		87-32-55 87-39-44			272-26-16		5.0	-107.3				Δ		
5	"	1760		87-39-44					4.0		+62.8	1468.2		-	712	
6	"	880		87-49-40					4.0		+29.4	1429.8		-	713	
7		0							41 5.8		-5.8	1394.6		-	714	π
8	S	880	✓						9.0		-9.0	1391.4		-	715	
9	"	1650		70-24-04					14.0	-25.6	-25.6	1374.8		0	715-4	1375.6
10	"	1650		269-35-44					14.0	-25.6				0		
11	N	990		85-49-17					14.0	-58.1	-58.0	1316.8		Δ		
12	"	990		274-09-55					14.0	-52.9				Δ		
13	"	880		36-09-30					9.0		+54.0	1370.8		-	716	
14		0							41 5.8		-5.8	1311.0		-	717	π
15	S	880		93-31-35					4.0		-58.1	1258.7		-	718	
16	"	1760		89-29-50					4.0		+11.4	1328.2		-	719	
17	"	2512		89-01-58					5.0	37.4	+37.3	1354.1		0	719+	752 BAS 4912
18	"	2512		270-57-40					5.0	37.1				0		
19												1355.0				ELEV 1355.0
20												0.9				NEG. mistie

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA LOST TEMPER CREEK STATE or PROVINCE ALASKA PAGE No. 43
 LINE No.(s) 49 PARTY No. 1184 DATE 8 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN W. Helander WEATHER: CLOUDY 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																
3	N	2652		89 13 17				10.0	-26.0	-26.1	1318.9			Δ		
4	N			270 46 47				10.0	-26.1					Δ ₁		
5	N	2540		89 10 26				10.0		26.6	+1355.5			-	720	
6	N			270 49 22				10.0						-	720	
7	N	1640		89 34 25				10.0		27.2	+1331.10			-	721	
8	N			270 26 09				10.0						-	721	
9	N	770		91 01 13				10.0		-23.7	+1305.2			-	722	
10	N			268 59 28				10.0						-	722	
11	-	0														
12	S	110	✓													
13	S	990		91 00 11				6.0		-23.3	+1318.9			-	723	
14	S	1870		90 03 24				15.0	-16.8	-16.8	+1305.6			-	724	
15				269 5 23							+1312.1			0	725	1312.2
16	S			269 56 37				15.0	-16.8					0	725	
17	N	2640		93 08 20			90 38 15	10.0	39.4	39.6	1351.7			Δ		
18	N			269 21 07				10.0	39.9					Δ ₁		
19	N	1760		91 14 50				10.0		-48.3	1303.4			-	726	
20	N	880		91 38 34				10.0		-35.2	1316.5			-	727	

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA LOST TEMPER CREEK STATE or PROVINCE ALASKA PAGE No. 44
 LINE No.(s) 49 PARTY No. 1124 DATE 8 Day 4 Mo. 77 Yr. BOOK No. _____
 SURVEYOR D. JENSEN RODMAN W. HELANDER WEATHER: CLOUDY 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.			
1											+1351.7				
2	—	20						HI	5.8	-5.8	+1345.9	—	728	π	
3	S	880		88-26-39					10.0	13.9	+1365.80	—	729		
4	S	1760		88-49-49					10.0	25.9	26.0	0	730	1377.9	
5	"	1760		27-10-22					10.0	26.0		0			
6	N	2640		90-42-12					10.0	42.4	42.4	Δ			
7	"			269-17-48					10.0	42.4		Δ			
8	N	1760		90-52-43					10.0	-37.0		—	731		
9	N	880		90-49-21					10.0	-22.6		—	732		
10	—	0						HI	5.8	-5.8	+1414.3	—	733	π	
11	S	880		88-19-03					10.0	15.8	+1435.9	—	734	MARKER PIPE	
12	S	1760		88-03-27					10.0	-69.7	+1350.4	—	735	1470.0	
13	S	2640		87-49-03					10.0	70.5	+1510.6	—	736		
14	S	2970		87-54-55					12.0	96.0	95.9	0	736-2		
15	S	"		212-04-40					12.0	95.7		0		1516.3	
16	N	3190		87-28-24					10.0	-130.6	-130.6	Δ			
17	"			272-31-27					10.0	-130.5	1385.4	Δ			
18	N	2640		87-37-41					5.0	104.3		—	737		
19	N	1760		87-38-52					10.0	62.2		—	738		
20	N	880		88-30-20					10.0	13.0		—	739		

TI-588B

WORKED BY _____

CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

 AREA LOST TEMPER CREEK

 STATE or PROVINCE Alaska

 PAGE No. 45

 LINE No.(s) 49

 PARTY No. 1184

 DATE 4/8/77 Day

Mo.

Yr. BOOK No.

 SURVEYOR D. Jensen

 RODMAN W. Helander

 WEATHER: Partly Cloudy

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												1385.4				
2	—	0						14 I	5.8		-5.8		1379.6	—	740	π
3	S	880		91-07-22					10.0		-27.2		1358.2	—	741	
4	S	1050		91-13-00					10.0	-45.0	-45.1		1340.3	0	741-4	
5	"			268-46-12					10.0	-45.2				0		1340.7
6	N	1870		89-44-09					10.0	1.4	1.4	1341.7		Δ		
7	"			270-45-56					10.0	1.3				Δ		
8	"	1760		90-42-37					4.0		-25.8		1315.9	—	742	
9	"	880		90-47-56					4.0		-16.3		1325.4	—	743	
10	E	1010		86-29-17					7.0	54.9	54.9		1396.6	0	BAS	4913
11	"			273-30-36					7.0	54.8				0		1397.1
12																
13	—	0							5.8		-5.8			—	744	π ←
14																
15													1397.1			
16													40.5			Mistic
17																
18																
19																
20																

TI-598B

WORKED BY

CHECKED BY 1st

2nd

STADIA SURVEY NOTES

AREA LOST TEMPER CREEK STATE or PROVINCE Alaska PAGE No. 46
 LINE No.(s) 49 PARTY No. 1184 DATE 4/8/76 Day _____ Mo. _____ Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN W. Helander WEATHER: Clear 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														
2														
3	E	1010		86-29-17				7.0	-54.9	-54.9	1342.2		Δ	
4	"			273-30-36				7.0	-54.8				Δ	
5	-	0					HI	5.8		-5.8	1336.4		744	κ
6	S	880		89-21-39				4.0		+5.8	1348.0		745	
7	"	1760		89-28-45				4.0		+12.0	1334.2		746	1354.2
8	"	2640		89-21-27				10.0	19.6	+19.5	1361.7		747	
9	"			270-38-12				10.0	19.3				0	
10	N	2640		90-45-06				10.0	44.6	+44.9	1406.6		Δ	
11	"			269-14-17				10.0	45.1				Δ	
12	N	1760		91 02 14				4.0		-35.9	1370.7		748	
13	N	880		91-12-57				4.0		-22.7	1383.9		749	
14	-	0					HI	5.8		-5.8	1400.8		750	κ
15	S	880		87-09-58				4.0		+39.5	1446.1		751	
16	S	1760		86-30-26				4.0		+103.2	1509.8		752	
17	S	1870		86-29-54				5.0	109.2	+109.1	1515.7		752-1	
18	"			273-27-44				5.0	109.				0	
19	N	3410		91-47-24				5.0	111.5	+111.5	1627.2		Δ	
20	"			268-12-37				5.0	111.5				Δ	

TI-598B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA LOST TEMPER CREEK STATE or PROVINCE Alaska PAGE No. 47
 LINE No.(s) 4-9 PARTY No. 1184 DATE 4/8/76 Day Mo. Yr. BOOK No.
 SURVEYOR D. Jensen RODMAN w. Helander WEATHER: P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												1627.2			
2	N	2640		92-19-44				4.0		-111.3		1515.9	-	753	
3	N	1760		92-52-26				4.0		-92.2		1535.0	-	754	
4	N	880		93-43-55				4.0		-61.3		1565.9	-	755	
5	-	0						5.8	HI	-5.8		1621.4	-	756	T
6	S	880		89-33-57				23.0		-22.3		1604.9	-	757	MARKER PIPE
7	N	3410		91-42-16				10.0		-111.4	-111.4	1515.8	0		1611.1
8	"			268-17-45				10.0		-111.4			0		
9	-	0											0		
10	S	1870		86-21-56				10.0		-102.5	-108.5	1407.3	Δ		
11	"			273-37-49				10.0		-108.4			Δ		
12	-	0											Δ		
13	N	2640		90-52-21				5.0		-45.2	-45.3	1362.0	0		
14	"			269-07-24				5.0		-45.4			0		
15	-	0											-		
16	S	2640		89-27-15				5.0		-20.1	-20.2	1341.8	Δ		
17	"			270-32-50				5.0		-20.2			Δ		
18	-	0											-		
19	E	1010		86-19-21				10.0		55.1	55.1	1396.9	0		
20	"			273-42-16				10.6		55.1			0		

TI-588B

273-41-40

+0.2

Mistic

WORKED BY

CHECKED BY 1st

2nd