

STADIA SURVEY NOTES

AREA Colville River STATE Alaska PAGE No. 1
 LINE No. 73X PARTY No. 1184 DATE 5 Day 9 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN Andy WEATHER Clear P.T.S. No. _____



LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
																(241.3)
																TAKE OFF BAS 7307 Elev. 241.0
																This point was est. as Sp. 1, Ln. 73 in 1977 by crew 1173.
	N	3190	3416		90-23-43			14.0	+37.5	+37.8	278.8					Colville River Basin
	"	3190	3410		269-35-45			14.0	138.1							
	"	2310			90-34-38			8.0		-31.3	247.5		102			
	"	1430			90-55-17			8.0		-51.0	247.8		103			
	"	550			92-33-06			8.0		-32.5	246.3		104			
		0						6.0		-6.0	272.8		104.5			Southside River Bank
	S	330			89-56-39			4.0		-3.7	275.1		105			
	"	1210			89-09-50			4.0		+13.7	292.5		106			
	"	2090			89-09-53			14.0	+16.5	+16.4	295.2		107			
	"	2090			270-49-53			14.0	+16.3							
	N	2970			91-17-22			14.0	+80.8	+80.9	376.1					
	"	2970			268-42-19			14.0	+81.1							
	"	2090			91-53-13			10.0		-78.8	297.3		109			
	"	1210			92-27-23			25.0		-76.9	299.2		109			

WORKED BY _____ CHECKED BY _____ 2nd _____

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LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
												376.1				
	N	330 ~0~			92-11-57			4.0			-16.7		359.4	-	110	
	S	550			90-08-55			6.1			+6.1	370.0	382.2	-	110+2	Sp. 110+330
	"	1430			89-53-58			4.0			-5.4		376.7	-	111	
	"	2310			89-21-37			4.0			-1.5		374.6	-	112	
	"	2860			89-02-56			5.0	+42.5	+42.3	+21.8		397.9	-	113	
	"	"			270-56-46			5.0	+42.2				418.4	0	113-3	Sp 113+550'
	N	1780			92-01-28			14.0	+76.9	+77.0		495.4		Δ		
	"	"			267-58-00			14.0	+77.2					Δ		
	"	1430			92-18-37			8.0			-65.6		429.8	-	114	
	"	550			92-30-58			4.0			-28.1		467.3	-	115	
	"	~0~						6.0			-6.0		489.4	-	115-5	
	S	330			88-47-17			4.0			+3.0		498.4	-	116	Line intersection UPR 73X Sp 116+692'
	"	1210			88-27-11			5.0	+27.7	+27.7			523.1	0	117	SP 69+417
	"	"			271-32-38			5.0	+27.6					0		

14.4
6.0
28.8
13.9
5.0
8.9

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AREA Umia STATE Alaska PAGE No. 3
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LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction			Center Hair	INST.			
											523.1				
	N	888			91-14-28			5.0	+24.2	+24.3	547.4				
	"	888			268-45-00			5.0	+24.4						
		~0~						6.0		-6.0	541.4	118	X		
	S	880			91-42-02			4.0		-30.1	517.3	119			
	"	1760			90-36-35			4.0		-22.7	524.7	120			
	"	2640			90-16-53			14.0	-27.0	-27.1	520.3	121			
	"	2640			269-42-42			14.0	-27.3						
	N	1760			90-05-02			5.0	+7.6	+7.7	528.0				
	"	1760			269-54-31			5.0	+7.8						
	"	880			90-22-19			4.0		-9.7	518.3	122			
		~0~						5.9		-5.9	522.1	123	X		
	S	880			90-18-50			14.0		-18.8	509.2	124			
	"	1760			88-54-17			10.0	+23.6	+23.7	551.7	125			
	"	1760			271-05-48			10.0	+23.7						

10.88
2.00
8.88

1.14.8
5.0
8.8

From this point survey was tied in to Tri Station 'South' Traverse cont. to Sp. 127 on following pages. Refer to pg. 5 for tie.

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			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair	INST.			ROD.	Δ BS O FS - SS			
													551.7				
	N	2640			89-20-29			10.0	-12.7	-12.5		539.2		Δ	125		
	"	2640			270-29-09			10.0	-12.4					Δ ₁			
	"	1760			89-55-18			4.0		-1.6		537.6		-	126		
	"	880			90-03-45			4.0		-5.0		534.2		-	127		
	"	~0~						6.0		-6.0		533.2		-	128	X	
	S	880			89-56-27			4.0		-3.1		536.1		-	129		
	"	1760			89-52-13			4.0		+0.0		539.2		-	130		
	"	2640			89-51-29			5.0	+1.5	+1.5		540.7		0	131		
	"	2640			270-08-20			5.0	+1.4					0 ₁			
	N	2970			90-27-15			14.0	+37.5	+37.6		578.3		Δ			
	"	2970			269-32-36			14.0	+37.7					Δ ₁			
	"	2090			90-53-26			4.0		-36.5		541.8		-	132		
	"	1210			90-57-50			8.0		-28.4		549.9		-	133		
	"	3300			90-48-15			4.0		-8.6		569.7		-	134		
	"	~0~						6.0		-6.0		572.3		-	134-2	X	Sp 134 + 330'
	N	5500			90-08-03			4.0		-5.3		573.0		-	135		

14.3
1.6
12.7

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AREA Colville River - Umiat STATE Alaska PAGE No. 5
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LINE	Bearing or Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	FINAL ELEVATIONS	REMARKS
			Level	Inclined	Angle or Factor	Hoir Read	Reading	Correction			Center Hoir	INST.			
										578.3					
	S	1430			90-16-36			4.0	-10.9	567.4		136			
	"	2316			89-57-22			4.0	-2.2	576.1		137	End of line 73X	MARKER PIPE	
										551.7			ELEV Sp 125		
	W	6366.36			89-55-18		HI	6.6	+9.5				(Sp 125 Z T.S. South)		
	"	"			270-04-30		HT	6.4		561.2					
	E	6366.36			90-05-15		HI	6.4					(T.S. South Z Sp 125)		
	"	"			169-54-24		HT	6.6		559.1			ELEV. T.S. South	(5570)	
										+2.1			VERT. MISTLE		

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