

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 1
 LINE No.(s) 75 PARTY No. 182 DATE 29 Day 4 Mo. 75 Yr. BOOK No. 5
 SURVEYOR MONOHON RODMAN _____ WEATHER: CLOUDY WARM 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	Correction				INST.	ROD			
1																
2																
3																
4												3.1	0		TS1	
5	E	1320		903050				+4.0	11.8	5.8	48.9		Δ		1ST TAIL SPREAD EAST	
6															OF SP1	
7															(ALL TS ON SEA LEVEL ICE)	
8																
9		0		-				-6.3		6.3		12.6			SP1 = NA-228	
10																
11	W	1320		902354				-4.0	-9.2	-134		5.5	0		SP2	
12				2693517				-4.0	-9.5						CK	
13	E	1320 1075		901626				+4.0	+13.4	+17.6	23.1				Δ	
14				2694311				+4.0	+13.7						CK	
15	E	1485		903603				-4.5	75.6	79.6		3.5	-		SP3	
16	E	165		943229				-4.0	73.3	77.3		5.8	-		SP4	
17																
18		0		-				-5.6		3.6		17.5			SP4+165	
19																
20																

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notes worked backwards from SP2

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 3
 LINE No.(s) 75 PARTY No. 182 DATE 29 Day 4 Mo. 75 Yr. BOOK No. 5
 SURVEYOR MONOHON RODMAN 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												32.5				
2	W	825		901800				-4.0	-4.3	8.3			24.2		SP13	
3	W	2145		894811				-4.0	+7.3	+3.3			35.8	O	SP14	
4				2701139										CK		
5	E	2640		895842				+4.0	-0.8	+3.2		39.0		A		
6				2700052										CK		
7	E	1320		900946				-4.0	-3.8	-7.8			31.2		SP15	
8																
9		0		-				-5.7		-5.7			33.3		SP16	
10																
11	W	1320		900102				-4.0	-0.4	-4.4			34.6		SP17	
12	W	2640		900026				-4.0	-0.3	-4.3			34.7		SP18	
13	W	3465		895221				-4.5	+7.6	+3.1			42.1	O	SP18+825=NA-230	
14				2700723										CK		
15	E	2640		895408				+4.5	-4.3	+0.2		42.3		A		
16				2700518										CK		
17	E	2145		900201				-4.0	-1.3	-5.3			37.0		SP19	
18	E	825		900715				-4.0	-1.7	-5.7			36.6		SP20	
19																
20		0		-				5.8		8.8			36.5		SP20+825	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 2
 LINE No.(s) 75 PARTY No. 192 DATE 29 Day 4 Mo. 75 Yr. BOOK No. 5
 SURVEYOR M.D. NOLAN RODMAN _____ 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												23.1				
2	W	1155		90 10 09					-4.0	3.4	7.4		15.7		SP5	
3	W	2475		90 02 00					-4.0	-1.4	-5.7		17.4	O	SP6	
4				269 57 20						-1.9					CK	
5	E	2640		90 10 19					+4.0	+7.9	+12.2	29.6			A	↑
6				269 49 01						+8.4					CK	
7	E	1320		90 18 52					-4.0	-7.3	7.3		18.3		SP7	
8																
9		O			INTS. ELEV FROM LEVEL SHOT TO TUKTU				5.5	FROM ATUKTU			24.1*		SP8	= N4-229 * from
10																from tuktu
11	W	1320		90 15 00					-4.0	-5.8	-9.8		19.8		SP9	↓
12	W	2640		90 06 34					-4.0	3.6	-9.0		25.6		SP10	
13	W	3960		90 05 33					-4.0	-6.7	-10.7		18.9	O	SP11	
14				269 53 54											CK	
15	E	1815		90 17 55					+4.0	+9.6	+13.6	32.5			A	
16				269 41 42											CK	
17	E	495		90 40 10					-4.0	-5.7	-9.7		22.8		SP12	
18																
19		O							5.3				27.2		SP12+495	
20																

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* refer to recp. 45
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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 4
 LINE No.(s) 75 PARTY No. 182 DATE 29 Day 4 Mo. 75 Yr. BOOK No. 5
 SURVEYOR MONOHON RODMAN _____ 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												42.3				
2																
3	W	495		89 58 02				-4.0	+0.3	-3.7		38.6		SP21		
4	W	1815		90 07 00				-4.0	-0.5	-4.5		37.8		SP22		
5	W	2640		89 49 23				-4.5	+7.9	+3.4		45.7	O	SP22+825 = N4-231		
6				270 09 50											CK	
7	E	4455		89 56 46				+4.5	-4.2	+0.3	46.0		A			
8				270 03 11										CK		
9	E	3960		90 02 23				-4.0	-2.7	-6.7		39.3		SP23		
10	E	2640		90 01 57				-4.0	-1.5	-5.5		40.5		SP24		
11	E	1320		90 02 15				-4.0	-0.9	-4.9		41.1		SP25		
12														SP26		
13		0		-				5.8		5.8		40.2		SP26		
14																
15	W	1320		90 06 08				-4.0	-2.4	-6.4		39.6		SP27		
16	W	2640		89 53 05				-4.0	+5.3	+1.3		47.3		SP28		
17	W	3960		89 53 24				-4.0	+7.6	+3.6		49.6		SP29		
18	W	4455		89 52 15				-4.5	+9.8	+5.3		51.3	O	SP29+495 = N4-232		
19				270 07 25											CK	
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 45
 LINE No.(s) 75 PARTY No. 102 DATE 29 Day 4 Mo. 75 Yr. BOOK No. 5
 SURVEYOR MONOHON RODMAN _____ 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. O.P.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1													51.3			
2														O	SP29+495=N4-232	
3	E	1650		89.4332					+4.5	-7.8	-3.3	48.0		A		
4				270.1613										CK		
5	E	825		90.0029					-4.0	-0.1	-4.1		43.9		SP30	
6																
7		0		-					-5.6		-5.6		42.4		SP30+825=N4-233	
8																
9	W	495		90.1804					-4.0	-2.6	-6.6		41.4		SP31	
10	W	1815		90.0741					-4.0	-4.0	-8.0		40.0		SP32	
11	W	2640		90.0136					-4.0	-1.4	-5.4		42.6	O	SP32+825	
12				219.5757										CK		
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 6
 LINE No. (s) 75 PARTY No. 182 DATE 30 Day 4 Mo. 75 Yr. BOOK No. 5
 SURVEYOR MO. NOLAN RODMAN _____ WEATHER: FOG P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1													42.6			
2														0	SP32	+825
3	E	1815		89 50 18				+4.0	-5.0	-1.0	41.6			} Δ CK		
4				270 0 42												
5	E	1320		90 09 41				-4.0	-3.7	-7.7			33.9		SP33	
6																
7		0		-				-5.3		-5.3			36.3		SP34	
8																
9		1320		90 00 34				-4.0	0.2	-4.2			37.4		SP35	
10		2640		89 46 43				-4.0	70.2	+6.2			47.3		SP36	
11		3135		89 46 00				-4.1	+12.5	+8.4			50.0	0	SP36	+495-N4-234
12				270 13 28										CK		TIE TO ARTHUR (Δ)
13	E	3960		89 49 29				+4.1	-12.1	-8.1	41.9			Δ		
14				270 13 36					-12.2					CK		
15	E	2640 3135		90 09 06				-4.0	8.3	12.3			29.6		SP37	
16	E	1320 1815		90 18 07				-4.0	8.5	12.5			29.4		SP38	
17	E	1320 1815		90 32 30				-4.0	7.7	8.7			33.1		SP39	
18		0		-				5.7							SP39	+495
19		825 1320														
20				90 23 07				-4.0	3.5	7.5			32.4		SP40	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 3
 LINE No.(s) 75 PARTY No. 102 DATE 30 Day 4 Mo. 75 Yr. BOOK No. 3
 SURVEYOR MONOHON RODMAN 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												41.9				
2	W	1650		89 56 23			PIN FLAG	-2.8	+1.7	-1.1		40.8		O	SP40+825	
3				270 03 33					+1.7					CK		
4	E	3135		89 50 18			LATH	+4.0	-8.8	-4.7		36.1		A		
5				270 09 33					-8.7					CK		
6	E	2640		89 51 59				-4.0	+6.2	+2.2		38.3			SP41	
7	E	1320		90 08 48				-4.0	3.4	7.4		28.7			SP42	
8																
9		0		-				5.6		5.6		30.5			SP43	
10																
11	W	1320		90 09 12				-4.0	3.5	7.5		28.6			SP44	
12	W	1485		89 55 36			PIN	-2.5	+1.9	-0.5		35.6		O	SP44+165	
13				270 09 37					+2.0					CK		
14	E	4620		89 55 57				+4.0	-5.5	-1.4		34.2		A		
15				270 03 53					-5.2					CK		
16	E	3465		89 59 33				-4.0	+0.5	3.5		30.7			SP45	
17	E	2145		90 14 07				-4.0	2.8	12.8		20.4			SP46	
18	E	825		90 32 54				-4.0	2.9	11.9		22.3			SP47	
19																
20		0		-				5.8		6.0		28.2			SP47+825-N 235	

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 8
 LINE No.(s) 75 PARTY No. 182 DATE 30 Day 4 Mo. 75 Yr. BOOK No. 5
 SURVEYOR MONOHON RODMAN _____ 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												34.2				
2	W	495		90 12 38				-4.0	7.8	3.8			28.4		SP48	
3	W	1815		90 08 00				-4.0	7.2	8.2			26.0		SP49	
4	W	3135		90 07 34				-4.0	-6.9	-10.8			23.4	○	SP50	
5				269 52 30					-6.8					CK		
6	E	1320		90 14 35				+4.0	+5.6	+9.6		33.0		△		
7				269 45 27					+5.6					CK		
8																
9		0		-					45.6	3.6			27.4		SP51	
10																
11	W	1320		90 40 36				7.0	15.6	19.6			13.4		SP52	
12	W	2640		90 19 49				-4.0	-15.2	-19.2			13.8	○	SP53	
13				269 40 13					-15.2					CK		
14	E	3960		90 03 25				+4.0	+3.8	+7.9		21.7		△		
15				269 56 36					+3.9					CK		
16	E	2640		90 02 31				-4.0	7.9	3.9			15.8		SP54	
17	E	1320		90 04 35				-4.0	7.7	3.7			16.0		SP55	
18																
19		0		-					5.7	3.7			16.0		SP56	
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 9
 LINE No.(s) 75 PARTY No. 182 DATE 30 Day 4 Mo. 75 Yr. BOOK No. 5
 SURVEYOR MONAHAN RODMAN _____ 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												21.7				
2	W	1320		90 05 33				-4.0	2.1	6.1		15.6		SP57		
3	W	2640		90 03 00				-4.0	2.3	6.3		18.4		SP58		
4	W	3960		89 59 50				-4.0	+0.2	-3.8		17.9		SP59		
5				270 00 16					+0.3					CR		
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

END DAY

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 10
 LINE No.(s) 75 PARTY No. 182 DATE 2 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR MONOHON RODMAN _____ WEATHER: Fog (White out) + 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	Correction	Center Hair			INST.	ROD			
1	W											17.9	0	SP59		
2	E	3510		30 01 39				4.0	11.9	7	5.9	23.8				
3				26 5 52.0					11.9							
4	E	2640		70 04 29				4.0	4.5		8.9			14.9		SP60
5	E	1320		70 10 12				4.0	3.9		7.9			15.9		SP61
6																
7		0						6.7			6.7			17.1		SP62 = N4-236
8														13.3		ELEV from Thomas worked
9														Tie + 3.8		back to SP62 (N4-236)
10																
11																
12																
13																
14	Weather conditions prevented tying L-75 up to SP62 to further work.															
15	Have brought coordinates and SP and recip. angle surveys back															
16	from Δ Thomas to SP62 (N4-236). This results in a -3.8' mistake															
17	with elevations checked and tied in to Δ Arthur (see page _____), recip angle															
18																
19	see page 11 L-75, book 5 for S.P. elevations after SP62 L-75															
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 11
 LINE No.(s) 75 PARTY No. _____ DATE 2 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR Moathon RODMAN _____ WEATHER: Fog 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>R Δ Thomas to N4-237</u>				<u>37</u>	<u>(SP74+455) and work back to N4-236 (SP62)</u>								
2																
3																
4												<u>14.0</u>	<u>⊙</u>	<u>Δ Thomas</u>	<u>GOVT valve</u>	
5																
6		<u>0</u>		<u>-</u>					<u>3.8</u>	<u>+3.8</u>	<u>+17.8</u>			<u>Δ</u>	<u>Δ Thomas</u>	<u>set up over Δ</u>
7																
8	<u>N</u>	<u>416.8</u>		<u>-</u>					<u>7.5</u>	<u>7.5</u>		<u>10.3</u>	<u>⊙</u>	<u>SP74+455 = N4-237</u>		
9									<u>7.5</u>				<u>ck</u>			
10		<u>0</u>							<u>5.7</u>	<u>5.7</u>	<u>16.0</u>		<u>Δ</u>	<u>"</u>	<u>set up at N4-237 and about both ways</u>	
11	<u>W</u>	<u>825</u>		<u>90 40 45</u>	<u>70</u>				<u>7.0</u>	<u>9.8</u>	<u>13.8</u>	<u>2.2</u>		<u>SP75</u>		
12	<u>W</u>	<u>2145</u>		<u>90 24 31</u>					<u>7.0</u>	<u>13.4</u>	<u>17.4</u>	<u>7.4</u>		<u>SP76</u>		
13	<u>W</u>	<u>3465</u>		<u>90 43 2</u>					<u>7.0</u>	<u>14.6</u>	<u>18.6</u>	<u>2.6</u>		<u>SP77</u>	<u>see page 13 for Δ</u>	
14				<u>269 45 28</u>						<u>14.6</u>				<u>ck</u>		
15																
16	<u>E</u>	<u>455</u>		<u>90 12 32</u>					<u>7.0</u>	<u>7.8</u>	<u>5.8</u>	<u>10.2</u>		<u>74</u>		
17	<u>E</u>	<u>1265</u>		<u>90 08 17</u>					<u>7.0</u>	<u>7.4</u>	<u>8.4</u>	<u>7.6</u>		<u>SP78</u>		
18	<u>C</u>	<u>2635</u>		<u>90 07 26</u>					<u>7.0</u>	<u>6.8 to 6.9</u>	<u>10.4</u>	<u>5.4</u>	<u>⊙</u>	<u>72</u>		
19				<u>269 53 00</u>												
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 12
 LINE No.(s) 75 PARTY No. 182 DATE 2 Day 5 Mo. 20 Yr. BOOK No. 5
 SURVEYOR MONOHON RODMAN _____ WEATHER: Fog 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	Correction	Center Hair			INST.	ROD			
1																
2													5.4		0	SP72
3	W	3560		90° 21'				4.0	+1.6	+1.6	+5.6	11.0		Δ	SP72	
4				265° 58'					+1.7						ck	
5	W	2640		90° 08'				4.0	2.7	2.7			4.3		71	
6	W	1320		90° 05'				4.0	2.3	2.3			4.7		70	
7		0						3.5		3.5			5.5	κ	69	
8	E	1320		90° 02'				4.0	2.9	2.9			6.1		68	
9	"	2640		90° 03'				4.0	3.0	3.0			4.0		67	
10	E	3560		90° 02'				4.0	2.5	2.5			6.4	0	66	
11				265° 59'					0.6	0.6					ck	
12	W	5280		90° 06'				4.0	+9.5	+9.5	+13.6	20.0		Δ	66	
13				265° 53'					+9.7	+9.7						
14	W	2640		90° 05'				4.0	2.9	2.9			9.1		SP64 = SP65 ELEV	
15	W	1320		90° 05'				4.0	3.8	3.8			10.2		63	
16																
17	-	0						6.7		6.7			13.3		62 = 114-236	
18																
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 13
 LINE No.(s) 75 PARTY No. 182 DATE 2 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR Monahan RODMAN WEATHER: Foggy 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			Δ B.S. OF.S. - S.S.
1				<u>R</u>												
2													<u>2.6</u>	<u>0</u>	<u>SP77</u>	<u>see page 11</u>
3																
4	<u>E</u>	<u>4455</u>		<u>90 07 48</u>					<u>14.0</u>	<u>10.1</u>	<u>+14.3</u>	<u>11.7</u>		<u>Δ</u>	<u>SP77</u>	
5				<u>269 51 05</u>						<u>10.5</u>				<u>Δ</u>		
6	"	<u>3135</u>		<u>90 09 20</u>					<u>4.0</u>	<u>8.5</u>	<u>72.5</u>		<u>0.8</u>		<u>78</u>	
7	"	<u>1815</u>		<u>90 11 14</u>					<u>4.0</u>	<u>5.9</u>	<u>9.9</u>		<u>1.8</u>		<u>79</u>	
8		<u>455</u>		<u>90 41 55</u>					<u>4.0</u>	<u>6.0</u>	<u>70.0</u>		<u>1.7</u>		<u>80</u>	
9		<u>0</u>		<u>-</u>					<u>6.1</u>		<u>7.1</u>		<u>5.6</u>	<u>K</u>	<u>80+455 = N4-238</u>	
10	<u>W</u>	<u>825</u>		<u>90 08 44</u>					<u>4.0</u>	<u>2.1</u>	<u>6.1</u>		<u>5.6</u>		<u>81</u>	
11	<u>W</u>	<u>2145</u>		<u>90 04 26</u>					<u>4.0</u>	<u>7.6</u>	<u>29.8</u>		<u>4.9</u>		<u>82</u>	
12		<u>3465</u>		<u>90 03 45</u>					<u>4.0</u>	<u>3.8</u>	<u>7.8</u>		<u>3.9</u>	<u>0</u>	<u>83</u>	
13				<u>269 56 12</u>						<u>3.8</u>					<u>84</u>	
14	<u>E</u>	<u>3560</u>		<u>89 58 05</u>					<u>4.0</u>	<u>2.2</u>	<u>+2.0</u>	<u>5.9</u>		<u>Δ</u>	<u>85</u>	
15				<u>270 01 36</u>						<u>7.8</u>					<u>86</u>	
16	<u>E</u>	<u>2640</u>		<u>90 01 50</u>					<u>4.0</u>	<u>7.4</u>	<u>5.4</u>		<u>0.5</u>		<u>84</u>	
17	<u>G</u>	<u>1320</u>		<u>90 04 56</u>					<u>4.0</u>	<u>7.9</u>	<u>5.9</u>		<u>0.0</u>		<u>85</u>	
18		<u>0</u>		<u>-</u>					<u>3.5</u>		<u>3.5</u>		<u>0.4</u>	<u>K</u>	<u>86</u>	
19	<u>W</u>	<u>1320</u>		<u>89 57 30</u>					<u>4.0</u>	<u>7.0</u>	<u>3.0</u>		<u>2.9</u>		<u>87</u>	
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 14
 LINE No.(s) 75 PARTY No. 182 DATE 2 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR MONOHAN RODMAN _____ WEATHER: Foggy 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												5.9		Δ	SP83	
2																
3	W	2640		89 59 34				4.0	70.3 + 0.1	73.9			2.0	0	SP88	
4				265 55 50					70.1					ck		
5	E	2640		90 14 22				4.0	78.7	72.8	24.8			Δ		
6				269 35 28					78.8						ck	
7	E	1320		90 41 15				4.0	75.9	79.9			4.9		89	
8		0		-				5.8		5.8			19.00	K	90 =	14-239
9	W	1320		90 33 24				4.0	72.8	76.8			8.0		91	
10	W	2640		90 23 47				4.0	78.3	72.3			2.5		92	
11	W	3960		90 16 24 P				4.0	78.9	72.9			1.9	0	93	
12				269 43 35					78.5						ck	
13	E	2640		90 07 33 P				4.0	75.8 + 0.0	70.0	11.9			Δ		
14				269 52 07					76.1						ck	
15																
16	E	1320		90 14 38				4.0	5.4	9.6			2.3		94	
17	-	0		-				5.8		5.8			6.1		95-	
18	W	1320		90 06 42				4.0	2.4	7.6			5.3		96	
19																
20																

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 15
 LINE No.(s) 75 PARTY No. 182 DATE 2 Day 5 Mo. 75 Yr. BOOK No. 5
 SURVEYOR MONOHON RODMAN _____ WEATHER: 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	Correc-tion	Center Hair			INST.	ROD		
1												11.9			
2	W	2640		900514				7.0	7.0		8.1		3.8	0	97
3				269544					7.2						ch
4	E	2640		895725				+4.0	8.4		+3.5	7.3		Δ	97
5				270007					8.6						ch
6	E	1320		900540				7.0	7.2	6.2			1.1		98
7		0		-				5.6		5.6			1.7		99
8	W	1320		900521				7.0	7.1	6.1			1.2		100
9	W	2640		895741				7.8	+1.8		7.6		4.7	0	101 = N4-240
10				2700207					+1.6						ch
11	E	2640		895758				+4.3	7.6	7.6	+2.7	7.4		Δ	101
12				2700159					7.5						ch
13	E	1320		900502				7.0	7.9	5.9			1.5		102
14		0		-				5.5		5.5			1.9		103
15	W	1320		895714				7.0	+1.0	3.0			4.4		104
16	W	2640		895538				7.5	+3.4		7.0		4.4	0	105 = N4241
17				2700430				7.6	+3.5						ch Edge of Teshekpuk
18	E	3260		895729				+4.5	7.9	7.2	+1.7	8.1		Δ	LR.
19				2700217					7.6						ch
20															

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE AK PAGE No. 16
 LINE No.(s) 75 PARTY No. 182 DATE 2 Day 5 Mo. 75 Yr. BOOK No. 5-
 SURVEYOR MONDHON RODMAN _____ WEATHER: Snow & Fog 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	AB.S. OF.S. -S.S.		
1											8.1	A	105 = N4241					
2																		
3	E	2640		900163				7.0	7.4	5.4		2.7	106	SP106-128				
4	E	1320		700343				7.0	7.4	5.4		2.7	107	Lie on				
5		0		-				3.5		5.5		2.6	108	Teshkepuk Lk.				
6	W	1320		900353				7.0	7.5	7.6	}	3.6	2.5	SS	109	ck	S.P. Survey	
7				269559					7.6									
8																		
9	W	2640		900127				7.0	7.1	7.6	}	3.6	2.5	SS	111	ck	miles onto	
10				269571					7.1									
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		

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STADIA SURVEY NOTES

AREA NPR-4 TESHERPUK LK (N.W) STATE or PROVINCE AK PAGE No. 7
 LINE No.(s) 75 N.W. END PARTY No. 182 DATE 20 Day 5 Mo. 75 Yr. BOOK No. 6
 SURVEYOR MONOHON RODMAN _____ WEATHER: WINDY CLOUDY 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		3975.3	90 01 31	-0 01 31				+4.3	+1.7	+6.0	7.3 9.0				SP
3			269 58 14	0 01 46				4.3							Δ N4-282 @ 180 + 484.7
4	E	2640	90 02 20					-4.0	-1.9	-5.9		3.1			CK LAST TP ON ICE
5		1320	90 04 41					-4.0	-1.8	-5.8		3.2			SP181
6															SP182
7		0	-												
8															
9															
9	W	1320	90 02 36					-4.0	1.0	-5.0		4.0			SP184
10		2640	90 02 13					-4.0	1.7	-5.7		3.3			SP185
11		3960	90 01 32	-0 01 32				-4.0	-2.1	-6.1		2.9			SP186
12			269 57 57	0 02 03				-4.0							
13		3960	90 19 52	0 19 52				+4.0	+23.2	+27.2	30.1				Δ
14	E		269 39 34	0 20 26				+4.0							CK
15		2640	90 29 44					-4.0	-22.8	-26.8		3.2			SP187
16		1320	90 38 08					-4.0	-14.6	-18.6		11.5			SP188
17															
18		0	-												
18															
19															
20	W	1320	90 16 41					-4.0	-6.4	-10.4		19.7			SP189 = N4-283 84.1 RECIPI
20															

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STADIA SURVEY NOTES

AREA NPR-4 TESHEKPOK STATE or PROVINCE AK PAGE No. 6
 LINE No.(s) 75 PARTY No. 182 DATE 20 Day 5 Mo. 75 Yr. BOOK No. 6
 SURVEYOR MONOHAN RODMAN _____ 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												12.7			
2															
3		0		-										SP	
4														210	
5		1320		89 53 55	0 06 05									SP	
6		2640		89 54 44	0 05 16									211	
7				270 04 51	+0 04 51	0 05 04								SP212	=N4-285
8														CK	END LINE
9		5280		90 01 02											10.7 RECIPT
10		3960		90 00 18											
11		2640		90 01 38											
12															
13		1320		90 14 52											
14															
15		0		-											
16		1320		90 19 20											
17		2640		90 14 55											
18															
19															
20															

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STADIA SURVEY NOTES

AREA NPR4 TESHEK PUK STATE or PROVINCE AK PAGE No. 9
 LINE No.(s) 75 PARTY No. 182 DATE 20 Day 5 Mo. 75 Yr. BOOK No. 6
 SURVEYOR MONOHON RODMAN _____ WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Δ.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												14.0				
2	W	1320	90 02 49	0.09				-4.0	-1.19	-5.19		8.8		SP201		
3	W	2640	90 00 54	0.00 54				-4.5	0.9	-5.4		8.6		O N4204 = SP202 TG 9.2 RECI P		
4			269 58 37	0 01 23	0 01 09			-4.5					CK			
5	E	3960	90 02 40	0 02 40				+4.5	+3.3	+7.8		16.4		Δ		
6			269 56 55	0 03 03	0 02 52									CK		
7		2640	90 04 24					-4.0	-3.4	-7.4		9.0		SP203		
8		1320	90 02 19					-4.0	-0.9	-4.9		11.5		SP204		
9																
10		0						5.5		-5.5		10.9		SP205		
11																
12		1320	90 02 57					-4.0	-1.1	-5.1		11.3		SP206		
13	W	2640	90 01 32					-4.0	-1.2	-6.2		10.2		SP207		
14		3960	90 01 52	0 01 52				-4.0	-2.3	-6.3		10.1		O SP208		
15			269 57 48	0 02 12	0 02 02									CK		
16		2640	89 58 06	0 01 54				+4.0	-1.4	+2.6		12.7		Δ		
17	E		270 01 39	0 01 39	0 01 46									CK		
18		1320	90 04 18					-4.0	-1.7	-5.7		7.0		209		
19																
20																

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STADIA SURVEY NOTES

AREA UPRA TESH LK STATE or PROVINCE _____ PAGE No. 8
 LINE No.(s) 75 PARTY No. 102 DATE 20 Day 5 Mo. 75 Yr. BOOK No. 2
 SURVEYOR MONOHAN RODMAN _____ 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												30.1				
2	W	2640		90 16 38	0.49				?	-12.94	-16.94		13.2?		SP19	
3	W	3960		90 14 52	-0 14 52	-0 18 04			-4.0	-17.4	-21.4		8.7	0	SP192	
4				269 44 43	-0 15 17				-4.0						CK	
5	E	3960		90 01 33	-0 13 33				+4.0	+2.0	+6.0	14.7			Δ	
6				269 58 09	-0 15 51	-0 01 42			+4.0						CK	
7		2640		90 01 49					-4.0	-1.4	-5.4		9.3		SP193	
8		1320		90 04 14					-4.0	-1.6	-5.6		9.1		SP194	
9																
10		0		-					5.6		-5.6		9.1		SP195	
11																
12	W	1320		90 06 32					-4.0	-2.5	-6.5		8.2		SP196	
13		2640		90 03 09					-4.0	-2.4	-6.4		8.3		SP197	
14		3960		90 03 03	-0 03 03				-4.0	-3.7	-7.7		7.0	0	SP198	
15				269 56 38	-0 03 32	-0 03 12			-4.0						CK	
16	E	2640		90 03 46	-0 03 46	-0 03 56			+4.0	+3.0	+7.0	14.0			Δ	
17				269 55 54	-0 04 06				+4.0						CK	
18		1320		90 07 36					-4.0	-2.9	-6.9		7.1		SP199	
19																
20		0		-					5.6		-5.6		8.4		SP200	

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