

## STADIA SURVEY NOTES

AREA NPR4 STATE or PROVINCE ALASKA PAGE No. 112  
 LINE No.(s) B-10 PARTY No. 1182 DATE 23 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. HELANDER RODMAN D MAY WEATHER: Clear -20° 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	<u>Elimination</u>																
3																	
4	<u>NW</u>	<u>2200</u>							<u>2.4</u>	<u>2.3</u>	<u>2.6</u>	<u>23.3</u>					<u>Int. B5 + B10</u>
5				<u>270 10</u>					<u>2.4</u>								
6		<u>1980</u>							<u>2.0</u>	<u>2.0</u>		<u>21.3</u>			<u>21</u>		
7		<u>1760</u>							<u>2.2</u>	<u>2.2</u>		<u>21.1</u>			<u>20</u>		
8		<u>1540</u>							<u>2.4</u>	<u>2.4</u>		<u>20.9</u>			<u>19</u>		
9		<u>1320</u>							<u>1.9</u>	<u>1.9</u>		<u>21.2</u>			<u>18</u>		
10		<u>1100</u>							<u>1.6</u>	<u>1.6</u>		<u>21.7</u>			<u>17</u>		
11		<u>880</u>							<u>2.0</u>	<u>2.0</u>		<u>21.3</u>			<u>16</u>		
12		<u>660</u>							<u>2.0</u>	<u>2.0</u>		<u>21.3</u>			<u>15</u>		
13		<u>440</u>							<u>2.8</u>	<u>2.8</u>		<u>20.5</u>			<u>14</u>		
14		<u>220</u>							<u>4.8</u>	<u>4.8</u>		<u>18.5</u>			<u>13</u>		
15		<u>0</u>							<u>5.1</u>	<u>5.1</u>		<u>18.2</u>			<u>12</u>		
16	<u>SE</u>	<u>220</u>							<u>5.0</u>	<u>5.0</u>		<u>18.3</u>			<u>11</u>		
17		<u>440</u>							<u>5.8</u>	<u>5.8</u>		<u>17.5</u>			<u>10</u>		
18		<u>660</u>							<u>4.5</u>	<u>4.5</u>		<u>18.8</u>			<u>9</u>		
19		<u>880</u>							<u>6.3</u>	<u>6.3</u>		<u>17.0</u>			<u>8</u>		
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**STADIA SURVEY NOTES**

AREA NPRH STATE or PROVINCE ALASKA PAGE No. 113  
 LINE No.(s) B-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. HELAUER RODMAN D. MAY WEATHER: -20° 10 MPH 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	Correc-tion	Center Hair			INST.	ROD			
1												23.3				
2	SE	1100	/						2.5	-2.5		21.8		7		
3		1320	/			T	6.2			+0.4		23.7		6		
4		1540	/			T	7.5			+0.2		23.5		5		
5		1760	/			T	8.0			+0.9		24.2		4		
6		1980	/			T	9.0			+1.0		24.3		3		
7		2200	/			T	10.2			+0.9		24.2		2		
8		2420	/			T	10.8			+1.4	14	24.7	⊙	1		
9				270.10					5.7				✓			
10		2612	/			T	12.0			+1.2		24.5		TS4		
11		2832	/			T	12.5			+1.8		25.1		8 1/2		
12		3052	/			T	12.5			+3.0		26.3		12		
13		3272	/						1.5	1.5		23.2		16		
14		3492	/						2.0	2.0		22.7		20		
15		3712	/						2.1	2.1		22.6		24		
16																
17																
18																
19																
20																

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## STADIA SURVEY NOTES

AREA NPR4 STATE or PROVINCE ALASKA PAGE No. 114  
 LINE No.(s) B-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No.  
 SURVEYOR D. HELANDER RODMAN D. MAY WEATHER: -20° 10 MPH. 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											20.7				
2	SE	2200						6.7	6.6	6.8	27.5				
3				270°10'				13.4							
4		1980						7.0		7.0	13.5		23	20.6	
5		1760						7.5		7.5	13.0		24	20.1	
6		1540						8.0		8.0	12.5		25	19.5	
7		1320						8.0		8.0	12.5		26	19.5	
8		1100						8.2		8.2	12.3		27	19.3	
9		880						8.3		8.3	12.2		28	19.2	
10		660						7.8		7.8	11.7		29	19.7	
11		440						6.5		6.5	14.0		30	21.0	
12		220						6.2		6.2	14.5		31	21.3	
13		0						5.2		5.2	15.5		32	22.3	
14	NW	220						6.1		6.1	14.4		33	21.4	
15		440						5.9		5.9	14.4		34	21.6	
16		660						5.8		5.8	14.7		35	21.7	
17		880						5.7		5.7	14.8		36	21.8	
18		1100						5.7		5.7	14.8		37	21.8	
19		1320						5.8		5.8	14.7		38	21.7	
20															

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 115  
 LINE No.(s) B-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No.  
 SURVEYOR D. HELANDER RODMAN D MAP WEATHER: -20° 10 MPH 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												27.5				
2	NW	1540	/						5.9	5.9		21.6		39		
3		1760	/						5.9	5.9		21.6		40		
4		1980	/						5.6	5.6		21.9		41		
5		2200	/						5.4	5.3	5.6	21.9	0	42		
6				270° 10'					12.3					✓		
7	SE	2200	/						9.9	9.8	9.8	31.7		Δ		
8				269° 50'					3.5					✓		
9		1980	/						10.5		10.5	21.2		43		
10		1760	/						12.3		12.3	19.4		44		
11		1540	/						14.2		14.2	17.5		45		
12		1320	/						13.1		13.1	18.6		46		
13		1100	/						10.9		10.9	20.8		47		
14		880	/						9.3		9.3	22.4		48		
15		660	/						8.2		8.2	23.5		49		
16		440	/						6.9		6.9	24.8		50		
17		220	/						6.2		6.2	25.5		51		
18		0	/						5.5		5.5	26.2		52		
19	NW	220	/						6.3		6.3	25.4		53		
20																

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### STADIA SURVEY NOTES

AREA NPR4 STATE or PROVINCE ALASKA PAGE No. 116  
 LINE No.(s) B-10 PARTY No. 118Z DATE 14 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. HELANDER RODMAN D MAY WEATHER: -20° 10 MPH 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												31.7				
2	Nw	440	/					5.9		5.9		25.8			54	
3		660	/					5.6		5.6		26.1			55	
4		880	/					5.3		5.3		26.4			56	
5		1100	/					5.0		5.0		26.7			57	
6		1320	/					4.8		4.8		26.9			58	
7		1540	/					4.5		4.5		27.2			59	
8		1760	/					4.3		4.3		27.4			60	
9		1980	/					5.0	4.9	5.0		26.7	⊙		61	
10				270°16'				10.7						✓		
11	SE	2420	/					5.7	5.6	5.6	32.3			△		
12				270°10'				12.8						✓		
13		2200	/					6.8		6.8		25.5			62	
14		1980	/					6.6		6.6		25.7			63	
15		1760	/					6.7		6.7		25.6			64	
16		1540	/					6.5		6.5		25.8			65	
17		1320	/					6.8		6.8		25.5			66	
18		1100	/					6.7		6.7		25.6			67	
19		880	/					6.8		6.8		25.5			68	
20																

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### STADIA SURVEY NOTES

AREA NPR4 STATE or PROVINCE ALASKA PAGE No. 117  
 LINE No.(s) B-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. HELANDER RODMAN D. MAY WEATHER: -20° 10 MPH. P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle of Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.		
1											32.3			
2		860	/					6.7	6.7		25.6		69	
3		440	/					6.8	6.8		25.5		70	
4		220	/					6.9	6.9		25.4		71	
5		0	/					5.2	5.2		27.1		72	
6	NW	220	/					7.1	7.1		25.2		73	
7		440	/					7.0	7.0		25.3		74	
8		660	/					6.9	6.9		25.4		75	
9		880	/					7.1	7.1	7.2	25.1	D	76	
10				270° 10'				9.8					✓	
11		440	/					5.6	5.6	5.6	30.7		Δ	
12				270° 10'				6.9					✓	
13		220	/					6.7	6.7		24.0		77	
14		0	/					5.1	5.1		25.6		78	
15	W	1937	/					6.9	6.8	6.9	23.8	o	79	BAR MARKER # 78358
16				270° 10'				12.7					✓	# 100. 25.47
17													Δ	- 23.9
18													o	- 1.6 tie
19														
20														

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### STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 118  
 LINE No.(s) B-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No.  
 SURVEYOR D. Helander RODMAN D. MAY WEATHER: -20° 10 mph. 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				ELEVATION TAKEOFF												
2	W	1939	/													
3			/	270°10'												
4	NW	220	/													
5		440	/													
6		660	/													
7			/	270°10'												
8			/													
9	SE	2420	/													
10			/	270 10												
11		2200	/													
12		1980	/													
13		1760	/													
14		1540	/													
15		1320	/													
16		1100	/													
17		880	/													
18		660	/													
19		440	/													
20			/													

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**STADIA SURVEY NOTES**

AREA NPR4 STATE or PROVINCE Alaska PAGE No. 119  
 LINE No. (s) B-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D Helander RODMAN D May WEATHER: -20° 10 mph 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												31.2				
2	SE	220	/					5.5		5.5		25.7			91	
3		0	/					5.5		5.5		25.7			92	
4	NW	220	/					5.6		5.6		25.6			93	
5		440	/					5.6		5.6		25.6			94	
6		660	/					5.6		5.6		25.6			95	
7		880	/					5.7		5.9		25.3			96	
8		1100	/					5.8		5.8		25.4			97	
9		1320	/					5.8		5.8		25.4			98	
10		1540	/					5.6		5.6		25.6			99	
11		1760	/					5.5		5.5		25.7			100	
12		1980	/					5.1		5.1		26.1			101	
13		2200	/					4.9		4.9		26.3			102	
14		2420	/					4.5		4.5		26.7			103	
15		2640	/					3.1		3.1		28.1			104	
16		2747	/					2.0	1.8	2.0		29.2	⊙		104+107 TPs	
17				270° 10'				10.4					✓			
18																
19																
20																



### STADIA SURVEY NOTES

AREA NPR4 STATE or PROVINCE Alaska PAGE No. 120  
 LINE No. (s) R-10 PARTY No. 1182 DATE 17 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D. Helander RODMAN D. MAY WEATHER: -20° 10 MPH 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	SE	2313	/						7.9	7.8	7.9	37.1	29.2		
3			/	270° 10'					14.8		14.8			Δ	
4		2700	/						8.0		8.0		29.1		105
5		1980	/						8.4		8.4		28.7		106
6		1760	/						8.4		8.4		28.3		107
7		1540	/						8.2		8.2		28.9		108
8		1320	/						8.1		8.1		29.0		109
9		1100	/						7.8		7.8		29.3		110
10		880	/						7.5		7.5		29.6		111
11		660	/						7.3		7.3		29.8		112
12		440	/						6.1		6.1		31.		113
13		220	/						6.0		6.0		31.1		114
14		0	/						5.6		5.6		31.5		115
15	NW	220	/						5.8		5.8		31.3		116
16		440	/						5.6		5.6		31.5		117
17		660	/						5.2		5.2		31.9		118
18		880	/						4.4		4.4		32.7		119
19		1100	/						4.6		4.6		32.5		120
20															

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### STADIA SURVEY NOTES

AREA NPR4 STATE or PROVINCE Alaska PAGE No. 121  
 LINE No.(s) R-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No.  
 SURVEYOR D Helander RODMAN MAY WEATHER: -20° 10 mph P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Δ B.S. OF.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												37.1				
2	NW	1320	/						4.6		4.6	32.5		121		
3		1540	/						4.4		4.4	32.7		122		
4		1760	/						4.1		4.1	33.0		123		
5		1980	/						3.9		3.9	33.2		124		
6		2200	/						3.7		3.7	33.4		125		
7		2420	/						4.5		4.5	32.6		126		
8		2608	/						5.0	4.9	5.0	32.1	⊙	126+188 TP <sub>6</sub> & B3		
9				20° 10'					12.8				✓			
10																
11	SE	2232	/				T	10.7		0.6	-0.5	31.6		Δ		
12				270° 10'					6.1		6.1			✓		
13		2200	/						2.3		2.3	29.9		127		
14		1980	/						3.4		3.4	28.2		128		
15		1760	/				T	9.3			0.4	31.1		129		
16		1540	/						4.7		4.7	26.9		130		
17		1320	/						5.0		5.0	26.6		131		
18		1100	/						5.8		5.8	25.8		132		
19		880	/						5.8		5.8	25.8		133		
20																

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## STADIA SURVEY NOTES

AREA NPR4 STATE or PROVINCE Alaska PAGE No. 122  
 LINE No.(s) B-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No.  
 SURVEYOR D Melander RODMAN D May WEATHER: -20° 10 mph 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												31.6				
2	SE	660							5.5	5.5		26.1		134		
3		440							5.4	5.4		26.2		135		
4		220							5.6	5.6		26.0		136		
5		0							5.6	5.6		26.0		137		
6	NW	220							5.8	5.8		25.8		138		
7		440							5.6	5.6		26.0		139		
8		660							5.8	5.8		25.8		140		
9		880							5.8	5.8		25.8		141		
10		1100							5.6	5.6		26.0		142		
11		1320							5.7	5.7		25.9		143		
12		1540							5.5	5.5		26.1		144		
13		1760							5.5	5.5		26.1		145		
14		1980							5.5	5.5		26.1		146		
15		2200							5.4	5.4		26.2		147		
16		2420							5.4	5.4		26.2		148		
17		2430							3.9	3.9		27.7		27	L-B4	27.7
18		2430							5.0	5.0		26.6		28	L-B4	23.5
19																+4.2 Tie
20																INT. 148+49

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STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE Alaska PAGE No. 123  
 LINE No.(s) B-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D Helander RODMAN D May WEATHER: -20° 10mph 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												31.6				
2	NW	2469	/						4.1	4.0	4.1		27.5	⊙	148+49	TP, & B4
3				270° 10'					11.5		11.5			✓		
4																
5	SE	2811	/						2.8	2.6	2.5	30.0		△		
6				270° 10'					10.7					✓		
7		2646	/						3.0		3.0		27.0		149	
8		2426	/						3.5		3.5		26.5		150	
9		2206	/						4.1		4.1		25.9		151	
10		1980	/						3.9		3.9		26.1		152	
11		1760	/						3.7		3.7		26.3		153	
12		1540	/						3.7		3.7		26.3		154	
13		1320	/						3.9		3.9		26.1		155	
14		1100	/						4.4		4.4		25.6		156	
15		880	/						4.7		4.7		25.3		157	
16		440	/						4.9		4.9		25.1		158	
17		220	/						5.4		5.4		24.6		159	
18		0	/						5.6		5.6		24.4		160	
19	NW	220	/						6.0		6.0		24.0		161	
20																

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### STADIA SURVEY NOTES

AREA NRR4 STATE or PROVINCE Alaska PAGE No. 124  
 LINE No.(s) B-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No.  
 SURVEYOR D Helander RODMAN D May WEATHER: -20° 10 mph 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												30.0				
2	NW	440	/					6.5		6.5		23.5		162		
3		660	/					7.6		7.6		22.4		163		
4		880	/					7.5		7.5		22.5		164		
5		1100	/					7.1		7.1		22.9		165		
6		1320	/					6.8		6.8		23.2		166		
7		1330	/					7.9		7.9		22.1		28	L-BZA	(3P166+42)
8		1330	/					7.8		7.8		22.2		29	L-BZA	(2B-A)
9		1540	/					6.3		6.3		23.7		167		
10		1760	/					5.5		5.5		24.5		168		
11		1980	/					7.9		7.9		25.1	⊙	169		
12		2058	/					4.5	4.4	4.4		25.6	⊙	169+	78	
13				270°10'				10.5								✓
14																
15		1902	/					4.2	4.1	4.1		29.7				Δ
16				270°10'				7.7		7.5						✓
17		1760	/					8.0		8.0		21.7		170		
18		1540	/					7.5		7.5		22.2		171		
19																
20																

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WORKED BY D. Helander

CHECKED BY 1st B.R. Benedict 2nd

## STADIA SURVEY NOTES

AREA AR 4 STATE or PROVINCE Alaska PAGE No. 125  
 LINE No.(s) R-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No.   
 SURVEYOR D Helander RODMAN May WEATHER: -20° 10mph P.T.S. No. 1

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		B.S. OF S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD			
1			/									29.7				
2	SE	1320	/						5.6	5.6		24.1			172	
3		1100	/						6.0	6.0		23.7			173	
4		880	/						7.5	7.5		22.2			174	
5		660	/						7.8	7.8		21.9			175	
6		440	/						7.2	7.2		22.5			176	
7		220	/						6.5	6.5		23.2			177	
8		0	/						5.6	5.6		24.1			178	
9	NW	220	/						6.9	6.9		22.8			179	
10		440	/						7.0	7.0		22.7			180	
11		660	/						7.0	7.0		22.7			181	
12		880	/						7.1	7.1		22.6			182	
13		1100	/						7.4	7.4		22.3			183	
14		1320	/						7.7	7.7		22.0			184	
15		1540	/						7.8	7.8		21.9			185	
16		1760	/						8.0	8.0		21.7			186	
17		1770	/						8.5	8.5		21.2			7168	L-B 2
18		1770	/						6.5	6.5		23.2			69	L-B 2
19																
20																

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**STADIA SURVEY NOTES**

AREA NPR4 STATE or PROVINCE Alaska PAGE No. 126  
 LINE No.(s) R-10 PARTY No. 1182 DATE 14 Day 2 Mo. 78 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR D Helander RODMAN D MAY WEATHER: -20° 10 MPH P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER				ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction	Center Hair			INST.	ROD		
1											29.7				
2	NW	1857	/					8.2	8.1	8.0		21.7	186+97	INT. R-10, R-2	
3				270°10'				15.3							
4															
5	SE	563	/					2.0	2.0	2.2	23.9				
6				270°10'				4.0		4.0					
7		440	/					3.1		3.1		20.8	187		
8		220	/					4.4		4.4		19.5	188		
9		0	/					5.6		5.6		18.5	189		
10	NW	220	/					6.1		6.1		17.8	190		
11		440	/					6.4		6.4		17.5	191		
12		660	/					6.5	6.5	6.4		17.4	192		
13		1		270°10'				8.3							
14		6878	/					6.6		6.6			754		
15		7098	/					6.0		6.0			758		
16		7318	/					6.0		6.0			12		
17		7538	/					6.0		6.0			16		
18		7758	/					6.0		6.0			20		
19		7978	/					6.0		6.0			24		
20															

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CHECKED BY 1st R.R. Benedict

2nd