

STADIA SURVEY NOTES

AREA Barrow - Zone C

STATE or PROVINCE Alaska

PAGE No. 16

LINE No.(s) I

PARTY No. 195

DATE 3

Day 5

Mo. 72

Yr.

BOOK No. 1

SURVEYOR Byrd

RODMAN Willetta

WEATHER: Snow - overcast

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																
4																
5		825	90°	17'	-0.50				+2.0	+4.1	+6.1	40.2	34.1	Δ		TAILSPREAD WANTED
6		00	✓						-5.2		-5.2		35.0			Trail spread Back
7		880	90°	06 42	-0.20				-4.0	-1.8	-5.8		34.4	○		SPI FROM N-11
8	N-W	2640	89°	52 51	+0.21				+4.0	-5.5	-1.5	32.9		Δ		2 +0.7
9	↑	1760	90°	01	-0.03				-4.0	-0.5	-4.5		28.4			
10		880	90°	07	-0.21				-4.0	-1.8	-5.8		27.1			
11		00	✓						-5.2		-5.2		27.7			
12	↓	820	90°	09	-0.26				-4.0	-2.3	-6.3		26.6			
13	S E	1760	✓						-4.0		-4.0		28.9			
14		2640	89°	58 00	+0.06				+4.0	+1.6	+2.4		30.5	○		
15		2640	90°	01 00	-0.03				+4.0	+0.8	+4.8	35.3		Δ		
16		1760	90°	03	-0.07				-4.0	-1.6	-5.6		29.7			
17		1485	70°	02 20	-0.00				-4.0	-1.0	-5.0		30.3	✓		N-11
18		880	90°	07	-0.31				-4.0	-1.8	-5.8		29.5			Line I + B cross
19		00	✓						-5.2		-5.2		30.1			10 Rep Page 7
20																LINE 5

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STADIA SURVEY NOTES

AREA Barrow STATE or PROVINCE Alaska PAGE No. 17
 LINE No.(s) I PARTY No. 195 DATE 3 Day 5 Mo. 22 Yr. BOOK No. 1
 SURVEYOR Byrd RODMAN W. Wette WEATHER: Wind + Snow P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		A.B.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD			
1												25.3				
2		880	90	08	-0.23			4.0	-2.0	-6.0		29.3		5P12		
3		1760	90	03	-0.09			4.0	-1.6	-5.6		29.7		13		
4		2640	89	53 00	+0.21			5.0	+5.5	+0.5		35.8	0	W-12	SP14	BARROW
5		2640	89	56 00	+0.12			5.0	-3.2	+1.8	37.6			1		
6		1760	90	03	-0.09			4.0	-1.6	-5.6		32.0		15		
7		880	90	06	-0.12			4.0	-1.6	-5.6		32.0		16		
8		00 ✓						5.2		-5.2		32.4		17		
9		880	90	05	-0.15			4.0	-1.3	-5.3		32.3		18		
10		1760	89	✓				4.0		-4.0		33.6		19		
11		2640	89	58 40	+0.04			4.0	+1.1	-2.9		34.7	0	20		
12		2640	90	08 00	-0.23			4.0	+6.1	+10.1	44.8			Δ		
13		1760	90	11 00	-0.32			4.0	-5.6	-9.6		35.2		21		
14		880	90	18 00	-0.52			4.0	-4.6	-8.6		36.0		22		
15		00 ✓						5.2		-5.2		39.26		23		
16		880	89	59 00	+0.03			4.0	+0.3	-3.7		41.1		24		
17		1760	✓					4.0		-4.0		40.9		25		
18		2640	89	58 00	+0.06			4.0	+1.6	-2.4		42.4	0	26		
19																
20																

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STADIA SURVEY NOTES

AREA Barrow STATE or PROVINCE Alaska PAGE No. 18
 LINE No.(s) I PARTY No. 195 DATE 3 Day 5 Mo. 72 Yr. BOOK No. 1
 SURVEYOR Byrd RODMAN Willelle WEATHER: Wind 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													42.4	0	sp 26	
2		1760		90° 21' 00"	+0.61				+4.0	+10.7	+14.7	57.1		Δ		
3		880		90° 33' 00"	-0.96				-4.0	-8.4	-12.4		44.7		27	
4		00	✓						5.2		-5.2		51.9		28	
5		880		89° 57'	+0.21				-4.0	-1.8	-5.8		51.3		29	
6		1760		90° 17' 00"	+0.26				-4.0	+4.6	+0.6		57.7	0	30	
7		880		90° 04' 30"	-0.13				-4.0	+1.1	-2.9	54.8		Δ		
8		00							-5.2		-5.2		49.6		31	
9		880		91° 19'	-2.30				-4.0	-20.2	-24.2		30.6		32	
10		1760		90° 38' 40"	-1.12				-4.0	-29.7	-23.7		31.1	0	33 N-14	
11		2640	✓						+4.0		+4.0	35.1		Δ		
12		1760		89° 58'	+0.06				-4.0	-1.5	-5.1		30.0		34	
13		880	✓						-4.0		-4.0		21.1		35	
14		00							-5.2		-5.2		29.9		36	
15		880		90° 05'	-0.15				-4.0	-1.3	-5.3		29.8		37	
16		1760		90° 04'	-0.12				-4.0	-2.1	-6.1		29.0		38	
17		2640		89° 55'	+0.15				-4.0	+4.0	0.0		35.1	0	39	
18		2640		89° 44' 30"	+0.45				+4.0	-11.9	-7.9	27.2	25.3	Δ		
19		1760		89° 5'	+0.12				-4.0	+2.1	-1.9		27.2		40	
20		880		90° 08'	-0.23				-4.0	-2.0	-6.0		21.2		41	

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STADIA SURVEY NOTES

AREA BARROW ZONE C STATE or PROVINCE ALASKA PAGE No. 19
 LINE No.(s) I PARTY No. 195 DATE 3 Day 5 Mo. 22 Yr. BOOK No. 1
 SURVEYOR Byrd RODMAN Willette WEATHER: Cloudy Windy P.T.S. No.

LINE	Bearing of Sight	Stadio 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		00							-5			27.2			
2		00							-5.2		-5.2	22.0		42	
3		880	90° 03'		-0.09				-4.0	-0.8	-4.8	22.4		43	X LINE I ✓
4		1760	90° 03'		-0.06				-4.0	-1.1	-5.1	22.1		44	
5		2640	90° 03' 40"		-0.10				4.0	-2.6	-2.6	20.6	0	45	
6		2076	90° 21' 50"		-0.63				+4.0	+3.1	+17.1	37.7			
7		1196	90° 36'		-1.05				-4.0	-12.6	-16.6	21.1		46	
8		308	91° 04'		-2.02				-4.0	-6.2	-10.2	27.5		47	
9		00							-5.2		-5.2	32.5			
10		572	90° 50'		-1.45				-4.0	-8.3	-12.3	25.4		48	
11		1452	90° 22'		-0.64				-4.0	-9.3	-13.3	24.4		49	
12		2232	90° 14' 40"		-0.42				-4.0	-9.8	-13.8	23.9	0	50	
13		2640	90° 03' 30"		-0.10				+4.0	+2.6	+6.6	30.5			
14		1760	90° 06'		-0.18				-4.0	-3.2	-7.2	23.3		51	
15		880	90° 11'		-0.32				-4.0	-2.8	-6.8	23.7		52	
16	00	880	89° 27' 30"						5.2		-5.2	23.5		53	
17		880	89° 27' 30"		+0.88				-4.0	+7.7	+3.7	34.2	0	54	
18		3245	90° 02' 40"		-0.08				+4.0	+2.6	+6.6	40.8			
19		2365	90° 12'		-0.35				-4.0	-8.3	-12.3	29.5		55	
20		1485	90° 10'		-0.29				-4.0	-4.3	-8.3	32.5		56	

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STADIA SURVEY NOTES

AREA BARROW Zone C STATE or PROVINCE ALASKA PAGE No. 20
 LINE No.(s) I PARTY No. 195 DATE 3 Day 5 Mo. 72 Yr. BOOK No. 1
 SURVEYOR BYRD RODMAN W. H. H. WEATHER: Cloudy + Windy P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING				Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion	Center Hair			INST.	ROD		
1												40.8			
2		605	90°	24'	-0.70				-4.0	-4.2	-8.2		32.6	57	
3		00							-5.2		-5.2		35.6	58	
4		275	91°	55'	-3.34				-4.0	-9.2	-13.2		27.6	58	
5		1155	90°	35'	-1.02				-4.0	-11.8	-15.8		25.0	59	
6		2035	90°	19'	-0.55				-4.0	-11.2	-15.2		25.6	60	
7		2915	90°	14'	-0.41				-4.0	-12.0	-16.0		24.8	61	⊙
8		1760	90°	19'	-0.41				-4.0	+7.2	+12.2	36.0		62	Δ
9		880	90°	12'	-0.35				-4.0	-3.1	-7.1		28.9	63	
10		00							-5.2		-5.2		30.8	64	
11		880	90°	09'	-0.26				-4.0	-2.3	-6.3		29.7	65	
12		1760	90°	05'	-0.15				-4.0	-2.6	-6.6		29.4	66	
13		2640	90°	03'	-0.09				-4.0	-2.4	-6.4		29.6	67	
14		3520	90°	02'	-0.06				-4.0	-2.1	-6.1		29.9	67	⊙
15															
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA BARROW ZONE 5 STATE or PROVINCE ALASKA PAGE No. 21
 LINE No.(s) I PARTY No. 195 DATE 3 Day 5 Mo. 72 Yr. BOOK No. _____
 SURVEYOR MYERS RODMAN SAMPSON WEATHER: CLOUDY, WINDY 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	W															
2	↑	1540	91°	01' 28"	+1.77				+2.0	+27.3	+29.3	28.2	2.0	SP74	SEA level	TIP ✓
3	↓	715	91°	47'	-3.11				-4.0	-22.2	-26.2			SP74	TAIL SPREAD	War Head
4	E	00							-5.2		-5.2		2.0	SP74		SKIP backwards
5		165	91°	27'	-2.53				-4.0	-4.2	-8.2		23.0			
6		1045	89°	17' 40"	+1.23				-4.0	+22.9	+8.9		20.0	SP73		
7		1760	89°	46' 00"	+0.41				+4.0	-7.2	-3.2	33.9	37.1	SP72		
8		880	89°	36'	+0.70				-4.0	+6.2	+2.2		36.1	SP71		
9		00							-5.2		-5.2		28.7	SP70		
10		880	90°	18'	-0.52				-7.0	-4.6	-11.6		21.3	SP69		
11		1760	✓						-4.0		-4.0		29.9	SP68		
12		2640	✓						-4.0		-4.0		29.9	SP67		
13																Ref. Page 20
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