

**STADIA SURVEY NOTES**

AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 11  
 LINE No.(s) 733 PARTY No. 1186 DATE 23 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Road RODMAN D. Middleton 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.			
1															
2	188	3520		91-40					+10.5	+112.8 ✓			Δ		
3				268-22					+12.4	+112.7	1061.9		✓	+ .65	
4	189	2640		267-50					-14.3	-114.0	947.9				
5	190	1760		266-10					-12.1	-129.5	932.4				
6	191	880		265-30					-13.9	-82.7	979.2		W		
7	192	-							-5.5	-5.5	1056.4				
8	193	880		86-02-30					-15.0	+45.6	1107.5		F		
9	194	1760		85-50					-2.9	+124.6 ✓			○		
10				274-20					-8.1	+124.5	1186.5		✓	+ .78	
11	194	880		92-00					+8.1	+38.8			Δ	←	
12				268-20					+13.2	+38.8	1225.3		✓	W	
13	195	-							-5.5		1219.8				
14	196	880		89-20					-5.7	+4.5 ✓			○	E	
15				271-00					+10.8	+4.6	1229.8		✓		
16															
17															
18															
19															
20															

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STADIA SURVEY NOTES

AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 13  
 LINE No.(s) 733 PARTY No. 1186 DATE 25 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Road RODMAN D. Middleton WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

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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											1282.4				
2	202	880		89-43-46				+13.0				Δ			
3				270-20-28				+14.0		1291.2		✓			
4	203	-	-					-5.5	-5.5		1285.7				
5	204	880		93-10				-12.9	-61.4		1229.8				
6	205	1760		93-10				-10.8	-107.9		1183.3				
7	206	2640		92-19-22				-15.0				○			
8				247-40-15				-15.0			1169.3	✓			
9	206	1760		88-00				+4.2				Δ			
10				272-20				+14.3		1112.0		✓			
11	209	880		271-50				-10.5	+17.6		1129.6				
12	208	-	-					-5.4	5.4		1106.6				
13	209	880		92-50				-2.9	-46.3		1065.7				
14	210	1760		92-40				-7.5				○			
15				267-30				-12.8			1022.0	✓			
16	210	1760		89-00				+10.2				Δ			
17				270-50				+5.2		1002.1		✓			
18	211	880		270-20				-6.9	-1.8		1000.3				
19	212	-	-					-5.4	-5.4		996.7				
20															

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**STADIA SURVEY NOTES**

AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 12  
 LINE No.(s) 733 PARTY No. 1186 DATE 23 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Reed RODMAN D. Middleton 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	196	2640		88-10				4.3	- 77.1				Δ		
3				271-52				9.0	- 76.9 <sup>77.0</sup>	1152.8			✓	+ .91	
4	197	1760		271-30				9.9	+ 36.2		1189.0				
5	198	880		270-20				5.5	- 0.4		1152.4				
6	199	-						5.5	- 5.5		1147.3				
7	200	880		87-50				5.2	+ 28.0		1180.8				
8	201	1760		87-10				7.0	+ 85.9		1238.7				
9	202	2640		87-00				8.3	+ 129.9				○		
10				273-02				9.9	+ 129.6 <sup>✓</sup>		1282.4		✓		
11	202	330		100-00				13.8	+ 70.2				Δ	+ 1.04	
12				259-00				8.1	+ 69.9 <sup>70.1</sup>	1352.5			✓		
13	202+495	410		262-40				8.2							TP
14	Temp	1050	-					13.7	> 13.7 ✓				○		Fly Line to
15				269-50				10.9	< 13.8		1338.8		✓		TBM
16	Temp	765		89-40				0.9	- 3.6				Δ	+ 1.2	
17				270-30				3.2	- 3.5 ✓	1335.3					
18	TBM 80137	1510		89-30				5.6	+ 7.6				○		Barr Marker
19				270-50				14.4	+ 7.6		1342.9		✓		80137
20											1343.7				

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1.2 Vertical Tie

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AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 14  
 LINE No.(s) 733 PARTY No. 1180 DATE 25 Day 2 Mo. 20 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Rood RODMAN D. Middleton 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	213	880	-						-13.8	-13.8					○
3				269-20					3.7			988.3			✓
4	213	2640		89-50					4.6						△
5				270-20					12.0			985.2			✓
6	214	1760		268-40					10.8	-51.7		950.4	933.5		
7	215	880		268-50					6.7	-24.6		<del>977.5</del>	960.60		
8	216	-							5.4	-5.4		<del>994.4</del>	979.80		
9	217	880		87-00					5.3	+ 40.7		<del>1042.8</del>	1025.90		
10	218	1760		87-00					12.3	+ 79.7		<del>1081.8</del>	1061.90		
11	219	2640		87-02					14.4						○
12				272-51					9.4				1107.2		✓
13	219	595		90-30					16.3						△
14				269-40					12.1			1122.7			✓
15	219+595	-							5.5	-5.5		1117.2			
16	220	275		92-20					4.6	-15.8		1106.9			
17	221	1155		92-20					6.3	-53.3		1069.4			
18	222	2035		92-10					10.6	-87.5		1035.2			
19															
20															

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STADIA SURVEY NOTES

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AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 15  
 LINE No.(s) 733 PARTY No. 1186 DATE 25 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Rood RODMAN D. Middleton 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.			
1															
2	223	2915		92+10				-6.0					○		
3				268+00				14.7			1006.7		✓		
4	223	<del>2640</del>		94+10				+8.9					△		
5		2805		265-52				+10.5			1218.7		✓		
6	224	1925		265-45-50				-20.0	-161.8		1056.9				5' Boost
7	225	1045		265+45				-9.5	-96.7		1122.0				4.5' Boost
8	226	165	=					-13.9	-13.9		1204.8				
9	226+195	-	-					-5.5							
10	227	715		88-20				5.8	+15.0		1233.7				
11	228	1595		88+10				9.8	+41.2		1259.9				
12	228+389	1984		88+20				7.4					○		Barr Marker
13				271+30				-6.0			1264.8		✓		80136
14											1266.1				
15											1.3				Vertical Tie
16															
17															
18															
19															
20															

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**STADIA SURVEY NOTES**

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AREA LOOKOUT RIDGE STATE or PROVINCE AK. PAGE No. 16.  
 LINE No.(s) 733. PARTY No. 1186. DATE 26. Day 3. Mo. 1980. Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LYMAN. RODMAN M. Reed WEATHER: -20° WIND, fog. P.T.S. No. \_\_\_\_\_

LINE	Bearing of Sight	Stadio 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												1266.1	o		BM. 80136	
2															BARR. B.M.	
3																
4		490		89-20				+6.2	+0.5	1266.6			Δ			
5	W	✓		271-10				+10.5	+0.5				CK			
6		0		-				-5.3				1261.3		229	+225.3	
7	E	800		72-00				-7.5	-38.2			1228.4		230		
8		1760		91-30				-6.2	-52.3			1214.3		231		
9		2640		91-10				-12.6	-66.3			1200.1	o	232		
10		✓		268-51-30				-14.0	-66.6				CK			
11		2640		89-00				+12.4	-33.7	1166.5			Δ			
12		✓		271-01-50				+14.0	-37.5				CK		+225.6	
13		1760		270-50				-9.0	+16.6			1183.1		233		
14	W	800		270-50				-6.6	+6.2			1172.7		234		
15		0		-				-5.3				1161.2		235		
16	E.	880		90-20				-11.0	-16.1			1150.4		236		
17		1760		70-50				-0.8	-34.4			1132.1		237		
18		2640		90-20				-9.7	-25.1			1141.3	o	238		
19		✓		269-45-15				-14.0	-25.3				CK			
20																

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### STADIA SURVEY NOTES

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AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 17  
 LINE No.(s) 733 PARTY No. 1186 DATE 26 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LTMAN RODMAN M. R. WEATHER: - 20° 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											1141.3	0	238		
2		1760		89-00				+ 9.0	- 21.7	1119.7		Δ		<del>238</del> .9	
3		✓		271-10				+ 14.3	- 21.5			OK			
4	✓	880		271-00				- 3.6	+ 11.8		1131.5		239		
5		0		-				- 5.3			1114.4		240		
6	E	880		91-30				- 9.0	- 32.0		1087.7		241		
7		1760		91-00				- 9.1	- 39.8		1079.9		242		
8		2640		91-05				- 14.0	- 63.9		1055.5	0	243		
9		✓		260-54-10				- 14.0	- 64.5			OK			
10		2640		89-00				+ 11.7	- 34.4	1021.4		Δ		<del>238</del> 1.2	
11		✓		271-02-23				+ 14.0	- 33.9			OK			
12		1760		270-40				- 7.4	+ 13.1		1034.5		244		
13	W	880		270-20				- 4.5	+ 0.6		1022.0		245		
14		0		-				- 5.3			1016.1		246		
15	E	880		-				- 10.4			1011.0		247		
16		1760		-				- 11.7			1009.7		248		
17		2640		-				- 15.0			1006.4		249		
18		3520		89-45-07				- 14.0	+ 1.2		1022.4	0	250		
19		✓		270-10-35				- 10.0	+ 0.8			OK			
20															

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STADIA SURVEY NOTES

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AREA LOOKOUT RIDGE STATE or PROVINCE AK. PAGE No. 18.  
 LINE No.(s) 733. PARTY No. 1186. DATE 26. Day 3. Mo. 1980 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LITMAN. RODMAN M.R. WEATHER: -20° 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											1022.4	0	250		
2		830		89-20				+ 7.3	- 2.9	1019.6		Δ			
3	W	✓		271-05				+ 12.6	- 2.8 ✓			CK		+ 4.105 1.5	
4		0		-				- 5.3			1014.3		251.		
5	E.	880		91-40				- 7.5	- 33.1		986.5		252.		
6		1760		91-20				- 8.1	- 49.0		970.6		253.		
7		2640		90-20				- 8.5	- 23.9		995.6	0	254.		
8		✓		269-46-45				- 14.0	- 24.2				CK		
9		1265		92-00				+ 8.4	+ 52.5	1048.2		Δ			
10		✓		268-10				+ 12.2	+ 52.6 ✓			CK			
11	W	385		269-00				- 10.4	- 17.1		1031.1		255.	1.8	
12		0		-				- 5.3			1042.9		-		
13	E.	495		89-20				- 9.0	- 3.2		1045.0		256.		
14		650		-				- 7.1	- 7.6		1040.6	0	BM.	256 + 158.	
15		✓		270-30				- 13.3	- 7.6			CK	80135		
16											1042.4				
17											- 1.8			VERTICAL	
18														TIE.	
19															
20															

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**STADIA SURVEY NOTES**

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AREA LOOKOUT RIDGE STATE or PROVINCE AK. PAGE No. 19.  
 LINE No.(s) 733. PARTY No. 1186. DATE 26. Day 3. Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LTMAN. RODMAN M.R. WEATHER: -20° WIND. 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	Correction			Center Hair	INST.			
1											1042.4	o	R.M. 80 135.		
2													BARO. B.M.		
3		720		88-20				+ 8.0	- 12.9	1029.5					
4	W	✓		272-05				+ 12.3	- 12.9				ck		
5		0		-				- 5.3			1024.2		257		
6	E	880		92-00				- 5.1	- 35.8		993.7		258		
7		1760		91-20				- 11.8	- 52.7		976.8		259		
8		2255		90-41-23				- 14.0	- 44.4		984.9	o			
9		✓		269-06-55				- 10.0	- 44.8				ck		
10		395		80-30				+ 4.2	- 5.9	979.0			ck		
11	W	✓		272-00				+ 7.1	- 5.8				ck		
12		0		-				- 5.5			973.5		260		
13	E	880		92-30				- 9.0	- 47.3		931.6		261	LAST SP. EAST.	
14		✓		267-50				- 14.2	- 47.4			✓		CRK. 100' EAST.	
15															
16	E	2145		89-42				- 5.0	+ 6.2		975.2	o	T.S. # 12.		
17															
18															
19															
20															

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**STADIA SURVEY NOTES**

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AREA LOOKOUT RIDGE STATE or PROVINCE AK. PAGE No. 20  
 LINE No.(s) 733 PARTY No. 1186 DATE 26 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. UMAN RODMAN M. R. WEATHER: -20° 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.			
1											931.6	0	261	RL: PAGE 19.	
2															
3	W	1925		92-41-00				+	5.0	+ 95.0	1026.6				
4		0		-				-	5.2		1021.4		T.S. # 18.		
5	E.	660		91-25-10				-	7.5	- 23.8	1002.8		T.S. # 24.		
6															
7	E.	1980		90-43-40				-	5.0	- 30.1	996.5		T.S. # 36.		
8															
9	E.	3300		89-53-50				-	5.0	+ 0.9	1027.5		T.S. # 48.		
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

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**STADIA SURVEY NOTES**

AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 1  
 LINE No.(s) 733 PARTY No. 1186 DATE 22 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Rood RODMAN D. Middleton 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																	Starting Elevation
2																	Barr Marker 80142 = SP 104
3													1118.4				
4	104	1760		88-00				5.2		-56.2					Δ		TBM 80142
5				272-00				5.2		-56.2	1062.2			✓			
6	103	880		272-00				2.3		+28.4	1090.6						
7	102	-	✓	<del>91-40</del>				6.0		-6.0	1056.2						
8	101	880		91-40				6.0		-31.6	1030.6						
9	100	1760		91-20				12.4		-53.3 ✓				⊙			
10	✓			268-30				7.2		-53.4	1008.9			✓			
11																	
12	TS 12	3025		268-41-39				4.0		-72.9	989.3						
13	TS 24	4345		268-47-13				4.6		-96.0	966.2						
14	TS 36	5665		269-02-15				4.0		-99.1	963.1						
15	TS 48	6985		269-28-29				4.6		-68.0	994.2						
16																	
17																	
18																	
19																	
20																	

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STADIA SURVEY NOTES

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AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 2  
 LINE No.(s) 733 PARTY No. 1186 DATE 22 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Reed RODMAN D. Middleton 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														Refer to Page 1 for Starting Elevation
2														
3											1118.4			
4	104	1760		90-10				73.9	+19.0				Δ	
5				269-50				73.9	+19.0	1137.4			✓	
6	105	880		269-50				76.0	-8.6		1128.8			
7	106	-	-	90-00		SS		5.5	-5.5		1131.9			
8	107	880		89-00				8.3	+4.1		1144.5			
9	108	1760		89-00				3.5	+27.2		1164.6			
10	109	2640		89-00				9.6	+36.5				0	
11				271-00				9.6	+36.5		1173.9		✓	
12	<del>108</del> 109	1760		89-00				7.1	-23.6				Δ	
13				271-00				+7.1	-23.6	1150.3			✓	
14	110	880		271-00				-1.9	+13.5		1163.8			
15	111	-	-					5.4	-5.4		1144.9			
16	112	880		91-10				-9.0	-26.9		1123.4			
17	113	1760		91-10				-8.9	-44.7		1105.6			
18	114	2640		91-10				13.3	-69.0				0	
19	✓			268-50				13.3	-69.0		1083.3		✓	
20														

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STADIA SURVEY NOTES

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AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 3  
 LINE No.(s) 733 PARTY No. 1186 DATE 22 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Rood RODMAN D. Middleton 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	114	2640		91-30					+12.3	+81.4				△		
3				268-30					+12.7	+81.8 <sup>2016</sup>	1164.9			✓		<del>80141</del>
4	115	1760		268-30					-5.6	-51.7		1113.2				
5	116	880		268-30					-3.0	-26.0		1138.9				
6	117	-							-5.5	-5.5		1159.4				
7	B.M. 80141	1030		88-30					+7.4	+19.6 ✓				○		Barr Marker
8				271-36					+7.3	19.4		1184.5		✓		80141
9												1185.1				
10												0.6				Vertical Tie
11																
12	B.M. 80141	1300		89-20					+11.5	-3.6				△		
13				290-40					+11.3	+28-37	1181.4			✓		
14	118	880	-						-5.6	-5.6		1175.8				- .33
15	119	-	-						-5.5	-5.5		1175.9				
16	120	880		90-50					-3.7	-16.5		1164.9				
17	121	1760		90-50					-12.9	-38.5		1142.9				
18	122	2640		90-50					-8.3	-46.7				○		
19				269-10					-8.3	-46.7		1134.7		✓		
20																

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STADIA SURVEY NOTES

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AREA # Lookout Ridge STATE or PROVINCE AK PAGE No. 4  
 LINE No.(s) 733 PARTY No. 1186 DATE 22 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Road RODMAN D. Middleton 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																
2	122	2640		91-16					+8.2	+61.9				Δ		-66
3				268-50					+8.2	+61.9	1196.6			✓		
4	123	1760		268-50					-7.8	-43.6		1153.0				
5	124	880		268-50					-11.9	-29.8		1166.8				
6	125	-							-5.5	-5.5		1191.1				
7	126	880		88-40					-3.0	+17.5		1214.1				
8	126+495	1375		88-40					-7.4	-24.6				⊙		TD
9				271-26					-7.4	+24.6		1221.2		✓		
10		3025		88-30					+9.0	-70.2				Δ		
11		3025		271-30					+9.0	-70.2	1151.0			✓		
12	127	2640		271-30					-4.8	+64.3		1215.3				-99
13	128	1760		271-30					-8.9	+37.2		1188.2				
14	129	880		271-30					-7.2	+15.8		1166.8				
15	130	-							-5.5	-5.5		1145.5				
16	131	880		90-30					-3.6	-11.3		1139.7				
17	131+495	<del>1760</del>		90-30					-4.8	-16.8				⊙		
18	131+495	1375		269-40					-8.8	-16.8		1134.2		✓		
19																
20																

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STADIA SURVEY NOTES

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AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 5  
 LINE No.(s) 722 PARTY No. 1186 DATE 22 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Reed RODMAN D. Middleton 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																
2	131+495	3025		88-30					8.8	-70.4				Δ		
3				271-30					8.8	-70.4	1063.8			✓		
4	132	2640		271-30					-9.6	+59.5		1123.3			-1.33	
5	133	1760		271-30					-11.0	+35.1		1098.9				
6	134	880		271-30					-11.4	+11.6		1075.4				
7	135	-	-						-5.4	-5.4		1058.4				
8	136	880	-						-11.6	-11.6		1052.2				
9	137	1760	-						-5.5	-5.5				⊙		
10			-						-5.6	-5.6	✓	1058.2		✓		
11	137	2640	-						+3.4	+3.4				Δ		
12			-						+3.5	+3.5	1061.7			✓		
13	138	1760	-						-12.6	-12.6		1049.1			-1.66	
14	139	880	-						-11.2	-11.2		1050.5				
15	140	-	-						-5.5	-5.5		1056.2				
16	141	880		88-50					-1.3	+16.6		1078.3				
17	142	1760		88-50					-7.4	+28.4		1090.1				
18	142+165	1925		88-50					-8.9	-30.3				⊙		
19				271-10					-8.9	-30.3		1092.0		✓		
20																

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**STADIA SURVEY NOTES**

AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 6  
 LINE No.(s) 1733 PARTY No. 1186 DATE 22 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Rood RODMAN D. Middleton 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	142+165	1595		90-20				10.2		+19.5				Δ		
3				269 40				10.2		19.5	1111.5			✓		220
4	143	880		269-40				7.6		-12.7		1098.8				
5	144	-	-					5.4		-5.4		1106.1				
6	145	880		90-30				2.9		-10.6		1100.9				
7	145+260	1140	-					14.8		-14.8			○			Barc Marker
8			-					14.8		-14.8		1096.7	✓			80139
9												1094.7				
10												2.0		Vertical Tie		
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

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AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 7  
 LINE No.(s) 733 PARTY No. 118C DATE 23 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Rood RODMAN/D. Middleton 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.			
1											1094.7				
2	145+260	3260		89-00				10.1	46.8			Δ		TBM 80139	
3				271-02				+12.1	-46.7	1048.0		✓			
4	146	2640		271-00				-8.3	+37.8		1085.8				
5	147	1760		271-00				-13.5	+17.2		1065.2				
6	148	880		271-06				-4.8	+10.6		1058.6			w	
7	149	-	-					-5.5	-5.5		1042.5			-	
8	150	880		90-30				13.7	-21.4		1026.6			E	
9	151	1760		90-30				-11.4	-26.8		1021.8				
10	152	2640		90-30				-10.5	-33.5			0			
11				269-20				-2.8	-33.5		1014.5	✓			
12	152	2640		89-00				+8.9	-37.2			Δ			
13				270-52				+2.8	-37.1	997.4		✓			
14	153	1760		270-50				-3.4	+22.2		999.6				
15	154	880		270-50				-5.4	+7.4		984.8			w	
16	155	-	-					-5.5	-5.5		971.9			-	
17	156	880		91-20				-8.9	+29.4		948.0			E	
18	157	1760		91-20				-4.6	-45.5		931.9				
19															
20															

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STADIA SURVEY NOTES

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AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 8  
 LINE No.(s) 733 PARTY No. 1180 DATE 23 Day 3 Mo. 20 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Rood RODMAN D. Middleton 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.			
1	158	2640		90-50				13.9	- 52.3		925.1				
2	159	3520		89-40				3.0	+ 72.5			0			
3				270-30				13.2	+ 72.5		994.9	✓			
4	159	880		94-20				+ 5.7	+ 92.0			Δ			
5				266-10				+ 13.7	+ 22.4 <sup>+22.2</sup>	1067.1		✓		W	
6	160	-	-					5.5			1061.6			-	
7	161	880		87-20				5.5	+ 35.4		1102.5			F	
8	162	1760		87-20				6.1	+ 75.7			0			
9				272-50				11.4	+ 75.5 <sup>+35.0</sup>		1142.7	✓			
10	162	4400		90-56-50				+ 10.0	+ 82.2			Δ			
11				269-03-18				+ 10.0	+ 82.6 ✓	1225.3		✓			
12	163	3520		268-50				6.7	- 78.4		1146.9				
13	164	2640		268-00				7.6	- 99.7		1125.6				
14	165	1760		267-50				13.3	- 79.8		1145.5				
15	166	880		267-50				7.3	- 40.5		1184.8			W	
16	167	-	-					5.5	- 5.5		1219.8			-	
17	167+275	275	-					2.9	- 2.9		1222.4			TP	
18	TRM 80138	<del>1980</del>		89-30				4.7	+ 3.9 ✓			0			
19		990		270-40				7.7	+ 3.8		1229.2	✓		Barr Marker	
20											1229.1			80 138	

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0.1 Vertical Tie

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STADIA SURVEY NOTES

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AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 9  
 LINE No.(s) 733 PARTY No. 1186 DATE 23 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Road RODMAN D. Middleton WEATHER: \_\_\_\_\_ P.T.S. No. \_\_\_\_\_

EXIT

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	TBM 80138	1160		88-40				7.3	-19.7	✓		Δ		Barr. Marker	
2				271-40				14.1	-19.6		1209.4	✓	S	80138	
3	168	-						5.5	-5.5		1203.9		+ .13		
4	169	880		91-20				13.5	-34.0		1195.4		F		
5	170	1760		91-20				11.4	-52.3		1157.1				
6	171	2640		91-20				9.5	-70.9			○			
7				268-30				1.8	-70.9		1138.5	✓			
8	171	2640		89-40				5.3	-10.1			Δ			
9				270-30				13.0	-10.0	✓	1128.5	✓	+ .26		
10	172	1760		270-30				11.2	+ 4.2		1132.7				
11	173	880		270-30				9.9	+ 2.2		1126.3		W		
12	174	-						5.5	+ 5.5		1123.0				
13	175	880		90-10				9.3	-11.9		1116.0		E		
14	176	1760		90-10				14.1	-19.2		1109.3				
15	177	2640		90-20				8.8	-24.2			○			
16				269-32				2.4	+ 23.9 <sup>240</sup>		1104.5	✓			
17															
18															
19															
20															

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STADIA SURVEY NOTES

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AREA Lookout Ridge STATE or PROVINCE AK PAGE No. 10  
 LINE No.(s) 733 PARTY No. 1186 DATE 23 Day 3 Mo. 80 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR M. Rood RODMAN D. Middleton 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.			
1															
2	177	2640		90-33				+13.6	-38.9					Δ	+.
3				269-22				+8.9	-37.9	1142.9			✓		
4	178	1760		269-30				-12.4	-27.8		1115.1				
5	179	880		269-30				-3.6	-11.3		1131.6		W		
6	180	-	-					-5.5	-5.5		1137.4				
7	181	880		90-30				-7.5	-15.2		1127.7		F		
8	182	1260		90-36				-11.0	-26.4		1116.5				
9	183	2640		90-36				-12.4	-35.4				○		
10				269-20				-4.7	-35.4		1107.5		✓		
11	183	2145		88-40				+14.9	-35.0				Δ		
12				271-10				+8.8	-34.9	1072.6			✓		+ .52
13	184	1265		271-20				-7.2	+22.2		1094.8				
14	185	385		271-00				-4.9	+1.8		1074.4		W		
15	185+385	-	-					-5.5							
16	186	495		93-00				-8.6	-34.5		1038.1		F		
17	187	1375		93-10				-11.2	-87.0		985.6		⊗		
18	188	2255		93-00				+5.7	-123.6				⊗		
19				267-10				-12.1	-123.4		949.1		✓		
20															

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