

STADIA SURVEY NOTES

AREA PAARON CREEK STATE or PROVINCE ALASKA PAGE No. 1
 LINE No.(s) 51X PARTY No. 1184 DATE Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA WEATHER: _____ 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															
2															
3															
3	S	1760		90-34-05											
4	"	1760		269-26-10											
5	"	880		90-51-40											
6		0													
7	N	880		96-58-20											
8	"	1760		96-04-48											
9	"	1760		263-55-38											
10	S	2640		87-39-09											
11	"	2640		272-21-21											
12	"	1760		82-07-11											
13	"	880		87-44-44											
14		0													
15	N	880		94-01-00											
16	"	1760		93-38-45											
17	"	2640		93-31-56											
18	"	2640		266-28-32											
19															
20															

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STADIA SURVEY NOTES

AREA PAHRON CREEK STATE or PROVINCE ALASKA PAGE No. 2
 LINE No.(s) 51 X PARTY No. 1184 DATE 21 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA 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															605	
3	S	1760		87-07-00					12.0	-78.5	-78.7	578.0		A		
4	"	1760		72-53-28					10.0	-78.8				A		
5	"	880		87-54-26					4.0	+28.1		606.1		-	604	
6		0							H1 5.6		-5.6	572.4			603	π
7	N	880		71-59-00					4.0		-34.5	543.5		-	602	
8	"	1760		91-52-53					4.0		-61.8	516.2		-	601	
9	"	2640		91-49-00					4.0		-87.7	490.3		-	600	
10	"	1814		91-43-43					10.0	-64.7	-64.6	513.4		0	600+826	COMMON WITH
11	"	1814		268-16-51					10.0	-64.4				0		SP 557 L-51
12												516.5			ELEY	MARKER PIPE
13												-3.1			MISTE	BEGINNING OF L-51X
14																THAT IS SP 600 IS
15																THE BEGINNING OF L-51X
16																
17																
18																
19																
20																

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41.1/2
 2.9
 9.1

STADIA SURVEY NOTES

AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No. 3
 LINE No.(s) 51X PARTY No. 1184 DATE 22 Day -1 Mo. 78 Yr. BOOK No.
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA 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				TAKE OFF BAS			78222				1092.5			
2														
3	N	2640		89-34-50				10.0	-9.3	-9.6	1082.9		Δ	
4	"	2640		270-25-50				10.0	-9.8				Δ	
5	"	1760	✓					7.2		-7.2	1075.7	-	616	
6	"	880		90-21-00				4.0		-9.4	1073.5	-	617	
7		0						5.6		-5.6	1077.3		618 X	
8	S	880		90-16-33				4.0		-8.2	1074.7	-	619	
9	"	1760		90-11-00				5.0	-10.6	-10.4	1072.5	0	620	
10	"	1760		269-49-50				5.0	-10.2			0		
11	N	2480	✓					14.0		+14.0	1086.5		Δ	
12	"	2480		269-54-25				10.0	13.9				Δ	
13	"	1540		90-45-40				4.0		-24.5	1062.0	-	621	
14	"	660		91-17-45				4.0		-18.9	1067.6	-	622	
15		0											622-6 (622+660) X	
16	S	220	✓					4.3		-4.3	1082.2	-	623	
17	"	1100	✓					3.6		-3.6	1082.9	-	624	
18	"	1980	✓					6.1		-6.1	1080.4	-	625	
19	"	2860		90-02-08				14.0	-15.8	-15.5	1071.0	0	626	
20	"	2860		269-58-33				14.0	-15.2			0		

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15.0
3.0 1/2
12

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AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No. 4
 LINE No.(s) 51 X PARTY No. 1184 DATE 22 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.P. HELANDER RODMAN T. GARCIA 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												1071.0			
2														626	
3	N	1760	✓								+3.8	1074.8		Δ	
4	"	1760		270-12-00						3.9				Δ	
5	"	880	✓								-3.9	1070.9		-	627
6		0						41	5.6		-5.6	1069.2			628 π
7	S	880		91-18-24					4.0		-24.1	1050.7		-	629
8	"	1760		91-06-40					4.0		-38.1	1036.7		-	630
9	"	2640		91-04-05					5.0	-54.2	-54.0	1020.8		0	631
10	"	2640		268-56-22					5.0	-53.9				0	
11	N	2860		90-32-41					5.0	32.2	+32.1	1052.9		Δ	
12	"	2860		269-27-40					5.0	31.9				Δ	
13	"	1980		90-42-27					4.0		-28.4	1024.5		-	632
14	"	1100		90-45-05					4.0		-18.4	1034.5		-	633
15	"	220		91-10-24					4.0		-8.5	1044.4		-	634
16		0													634-2 (634+220) π
17	S	660		90-41-20					4.0		-11.9	1041.0		-	635
18	"	1540		89-41-40					4.0		+4.2	1057.1		-	636
19	"	2420		89-15-43					5.0	+26.2	+26.4	1079.3		0	637
20	"	2420		270-44-44					5.0	+26.5				0	

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AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No. 5
 LINE No.(s) 51 X PARTY No. 1184 DATE 22 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1												1079.3				
2																
3	N	770		91-02	-12			10.0	23.9	+23.8	1103.1		Δ			
4	"	770		268-52	-10			10.0	23.8				0			
5		0												637-7	(637+770) X	
6	S	110		92-07	30			4.0		-8.1	1095.0		-	638		
7	"	990		91-42	45			5.0	-34.6	-34.5	1068.6		0	639		
8	"	990		268-17	38			5.0	-34.5				0			
9	N	880		91-51	00			14.0	42.4	+42.4	1111.0		Δ			
10	"	880		268-09	-11			14.0	42.4				Δ			
11		0						HI 5.6		-5.6	1105.4			640	X	
12	S	880		88-33	-28			4.0		+18.1	1129.1		-	641		
13	"	1760		88-31	30			5.0	40.3	+40.4	1151.4		0	642		
14	"	1760		271-28	-58			5.0	40.5				0			
15	N	1760		91-45	-25			5.0	59.0	+58.8	1210.2		Δ			
16	"	1760		268-15	00			5.0	58.7				Δ			
17	"	880		91-46	26			4.0		-31.2	1179.0		-	643		
18		0						HI 5.6		-5.6	1204.6			644	X	
19																
20																

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AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No. 6
 LINE No.(s) 51 X PARTY No. 1184 DATE 22 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion				INST.	ROD		
1											1210.2				
2															
3	S	880		87-57-30				10.0		+21.4		1231.6	-	645	
4	"	830		87-52-12				10.0	20.8	+20.9		1231.1	0	BASE 78223	
5	"	830		272-08-20				10.0	21.0				0,		
6												1232.8		ELEV 1232.98	
7												-1.7		MISTLE	
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

11.15
 7.00
 4.15

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AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No. 7
 LINE No.(s) 51 X PARTY No. 1184 DATE 23 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA 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																
2																
3	S	1360		88-48-15	/				10.0	-18.4	-18.5	1101.2		Δ		BAS 78224 IS
4	"	1360		271-12-15					10.0	-18.6				Δ		MARRED BY A 4"
5	"	880		89-15-40					4.0		+7.3	1108.5		-	658	PIPE STICKING 3.0'
6		0							H1 5.6		-5.6	1095.6		-	657	AND IS IDENTIFIED
7	N	880		91-19-00					4.0		-24.2	1077.0		-	656	π BY A
8	"	1760		91-10-50					5.0	-41.3	-41.1	1060.1		0	655	METAL TAG
9	"	1760		268-49-46					5.0	-41.0				0		
10	S	2640		90-11-50					5.0	14.1	+13.7	1073.8		Δ		
11	"	2640		269-49-00					5.0	13.4				Δ		
12	"	1760		90-44-58					4.6		-27.0	1046.8		-	654	
13	"	880		93-00-33					4.6		-50.2	1023.6		-	653	
14		0							H1 5.8		-5.8	1068.0		-	652	π
15	N	880		89-57-40					7.0		-13.4	1060.4		-	651	
16	"	1760		89-43-35					14.0		-5.6	1068.2		-	650	
17	"	2640		89-31-57					5.0	16.5	+16.8	1090.6		0	649	
18	"	2640		270-28-50					5.0	17.1				0		
19																
20																

16.8 1/2
5.0
6.3

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STADIA SURVEY NOTES

AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No. 8
 LINE No.(s) 51 X PARTY No. 1184 DATE 23 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA 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													1090.6			
2															649	
3	S	3080		92-14	-47				5.0	125.7	+125.2	1215.8		Δ		
4	"	3080		262-35-05					5.0	124.8				Δ		
5	"	2200		93-22	-11				4.0		-133.3	1082.5		-	648	
6	"	1320		94-02	-55				4.0		-97.2	1118.6		-	647	
7	"	440		95-10	-30				4.0		-43.7	1172.1		-	646	
8		0													645-4 (645+440) T	
9	N	495		87-23	-14				5.0	17.6	+17.7	1233.5		O	BAS 78223	
10	"	495		272-37	-23				5.0	17.7				O		
11													1232.8		ELEV	1232.98
12													+0.7		MISTIE	
13																
14																BAS 78223 IS
15																MARKED BY A 4"
16																PIPE STICKING
17																2.5' OUT OF
18																THE GROUND AND
19																IS IDENTIFIED BY
20																A METAL TAG.

9.95
5.00 F

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STADIA SURVEY NOTES

AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No. 9
 LINE No.(s) SIX PARTY No. 1184 DATE 23 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA WEATHER: _____ P.T.S. No. _____

9.1
5.0
4.1

LINE	Searing 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															
3	N	410		89-29-30				5.0	1.4	+1.3	1121.0				BAS 78224 IS
4	"	410		270-30-47				5.0	1.3						MARKED BY A PIECE
5		0						5.8		-5.8	1115.2		659		OF 4" DRILL CASING
6	S	880		92-31-05				5.0	-43.7	-43.5	1077.5	0	660		AND A METAL TAG
7	"	880		267-29-46				5.0	-43.4			0			
8	N	2640		89-17-50				10.0	-22.4	-22.8	1054.7				
9	"	2640		270-43-13				10.0	-23.2						
10	"	1760		90-36-10				4.0		-22.5	1032.2	-	661		
11	"	880		90-40-53				5.0		-15.5	1039.2	-	662		
12		0						5.8		-5.8	1048.9		663		T
13	S	880		91-11-26				4.0		-22.3	1032.4	-	664		
14	"	1760		90-45-55				5.0		-28.5	1026.2	-	665		
15	"	2640		90-28-35				10.0	-32.0	-31.5	1023.2	0	666		
16	"	2640		269-32-33				10.0	-31.1			0			
17	N	2640		90-45-00				10.0	44.6	+44.2	1067.4				
18	"	2640		269-15-53				10.0	43.9						
19	"	1760		90-47-53				6.0		-30.5	1036.9	-	667		
20	"	880		90-58-43				6.0		-18.5	1048.9	-	668		

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48-53

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STADIA SURVEY NOTES

AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No. 10
 LINE No.(s) 51X PARTY No. 1184 DATE 23 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA 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											1067.4			
2														
3		0						41	5.8	-5.8	1061.6		669	π
4	S	880		89-35-26					5.0	+1.3	1068.7	-	670	
5	"	1760		89-43-00					5.0	+3.7	1071.1	-	671	
6	"	2640		89-39-10					10.0	+6.5	1073.9	0	672	
7	"	2640		216-22-00					10.0	6.9			0	
8	N	2640		90-47-50					5.0	+41.4	1115.3		Δ	
9	"	2640		269-13-00					5.0	41.1			Δ	
10	"	1760		90-44-20					5.0	-27.7	1087.6	-	673	
11	"	880		90-44-20					5.0	-16.3	1099.0	-	674	
12		0						41	5.8	-5.8	1109.5		675	π
13	S	880		88-56-45					5.0	+11.2	1126.5	-	676	
14	"	1760		88-25-44					5.0	+43.3	1158.6	-	677	
15	"	2640		88-07-30					10.0	+76.7	1192.0	0	678	
16	"	2640		271-53-28					10.0	77.1			0	
17	N	1430		71-28-00					5.0	+41.4	1233.4		Δ	
18	"	1430		268-32-45					5.0	41.3			Δ	
19	"	550		91-17-10					5.0	-17.3	1216.1	-	679	
20		0												679-5. (679+550) π

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STADIA SURVEY NOTES

AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No. 11
 LINE No.(s) 51 X PARTY No. 1184 DATE 24 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA 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											1233.4				
2															
3	S	330		91-09-40				5.0	-11.7		1221.7	-	680		
4	"	1210		90-24-12				5.0	-13.5		1219.9	-	681		
5	"	2090		88-48-44				5.0	+38.3		1271.7	-	682		
6	"	2420		88-31-34				5.0	57.2 +57.6		1291.0	0	682.3	(682+330)	
7	"	2420		87-29-33				5.0	58.0			0			
8	N	1430		92-34-38				5.0	69.3 +69.2	1360.2		A			
9	"	1430		267-25-53				5.0	69.1			A ₁			
10	"	880		92-47-00				5.0	-47.7		1312.5	-	683		
11		0													
12	S	880		88-37-55				5.8	-5.8		1354.4	-	684	T	
13	"	1560		87-48-19				10.0	49.7 +49.9		1410.1	0	BAS 78225		
14	"	1560		272-12-30				10.0	50.1			0		1413.12	
15											1413.1		ELEV	BAS 78225 IS	
16											-3.0		MISTIE	MARKED BY A	
17														MARKER PIPE &	
18														METAL TAG	
19															
20															

12.8
9.0 1/2
7.8

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AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No.
 LINE No.(s) 51 X PARTY No. 1184 DATE 24 Day 1 Mo. 78 Yr. BOOK No.
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA 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	Correction			Center Hair	INST.		
1				TAKE OFF			BAS 782	25		ELEVATION	1413.1	1112-12	BAS 78225 IS	
2													COMMON WITH	
3		0						5.4	+5.4	1418.5		Δ	SP685+689 AND	
4	S	191		92-02-14				4.0	-10.8	1407.7		-	686 IS MARKED BY	
5	"	630		91-58-30			91-57-43	10.0	-31.6	-31.7	1386.8	0	686-4 (686+440)	
6	"	630		268-01-47				10.0	-31.7			0	A MARKER PIPE	
7	N	2180		86-19-30				5.0	-134.7	-134.5	1252.3		Δ	
8	"	2180		273-39-45				5.0	-134.3				Δ	
9	"	1760		88-50-10				14.0	+21.7		1274.0	-	687	
10	"	880		88-07-47				21.0	+7.7		1260.0	-	688 7' BOOST	
11		0					H1	5.8	-5.8		1246.5		689 X	
12	S	880		92-04-15				5.0	-36.8		1215.5	-	690	
13	"	1760		91-24-17				5.0	-48.1		1204.2	-	691	
14	"	2090		91-15-15				10.0	-55.7	-56.0	1196.3	0	691-3 (691+330)	
15	"	2090		268-44-00				10.0	-56.2			0		
16	N	2310		87-41-30				5.0	-88.0	-87.8	1108.5		Δ	
17	"	2310		272-17-50				5.0	-87.6				Δ	
18	"	1760		88-09-05				5.0	+57.8		1160.3	-	692	
19	"	880		88-28-55				5.0	+18.3		1126.8	-	693	
20		0					H1	5.8	-5.8		1102.7		694 X	

12.8 F
6.0
22.9 1/2
2.0
10.0

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No. 14
 LINE No.(s) 51 X PARTY No. 1184 DATE 24 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA WEATHER: _____ P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		ABS. OF P.S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correc-tion			Center Hair	INST.			
1											995.2				
2															
3	S	440		93-21-53				4.0	-29.8		965.4	-	704		
4	"	1310		92-47-40				10.0	-73.9	-74.1	921.1	0	705	SPs 705 & 706 ARE	
5	"	1310		267-11-14				10.0	-74.3			0		LOCATED IN THE	
6	N	2200		91-21-27				10.0	62.1	+62.5	983.6	Δ		AWJUNA RIVER BASIN	
7	"	2200		268-37-33				10.0	62.8			Δ			
8	"	1320		92-05-00				14.0		-62.0	921.6	-	706		
9	"	440		91-33-05				4.0		-15.9	967.7	-	707		
10		0											707-4	(707+440) π	
11	S	440	✓					5.1		-5.1	978.5	-	708		
12	"	1320	✓					4.9		-4.9	978.7	-	709		
13	"	2200		89-43-40				4.0		+6.5	990.1	-	710		
14	"	2750		89-31-38				-5.0	17.7	+17.4	1001.0	0	710-5		
15	"	2750		270-27-38				5.0	17.1			0			
16	N	2090		89-48-45				5.0	-1.8	-1.5	999.5	Δ			
17	"	2090		270-10-13				5.0	-1.2			Δ			
18	"	1760		89-45-10				4.0		+3.6	1003.1	-	711		
19	"	880	✓					4.0		-4.0	995.5	-	712		
20		0					HI	5.8		-5.8	993.7		713	π	

14.1 E
 1.0 E
 13.1
 13.0
 2.0 1/2
 17.0

TI-588B

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA DISCOVERY CREEK STATE or PROVINCE ALASKA PAGE No. 15
 LINE No.(s) 51X PARTY No. 1184 DATE 24 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA 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												999.5			
2															
3	S	880		91-16-36				4.0		-23.6		975.9	-	714	
4	"	1760		89-45-30				4.0		+3.4		1002.9	-	715	
5	"	2640		89-36-23				5.0	13.1	+12.8		102.3	0	716	
6	"	2640		270-28-50				5.0	12.5						
7	N	1760	✓					10.3	10.3	+10.6	1022.9		Δ		
8	"	1760		269-48-30				5.0	10.9				Δ		
9	"	880		90-15-25				4.0		-7.9		1015.0	-	717	
10		0						HI	5.8			1017.1		718	π
11	S	880		90-47-37				4.0		-16.2		1006.7	-	719	
12	"	1760		90-16-00				10.0	-18.2	-18.4		1004.5	0	720	
13	"	1760		269-43-10				10.0	-18.6				0		
14	N	2640		90-44-33				10.0	44.2	+44.7	1049.2		Δ		
15	"	2640		269-14-05				10.0	45.3				Δ		
16	"	1760		90-58-30				4.0		-33.9		1015.3	-	721	
17	"	880		91-03-00				4.0		-20.1		1029.1	-	722	
18		0						HI	5.8			1043.4		723	π
19	S	880	✓					4.1		-4.1		1045.1	-	724	
20	"	1760	✓					2.3		-2.3		1046.9	-	725	

TI-588B

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2nd _____

STADIA SURVEY NOTES

AREA AWDNA RIVER STATE or PROVINCE ALASKA PAGE No. 16
 LINE No.(s) SIX PARTY No. 1184 DATE 25 Day 1 Mo. 78 Yr. BOOK No. _____
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA 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												1049.2				
2																
3	S	2640		89-51-20				10.0	-3.3	-3.6		1045.6	0	726		
4	"	2640		270-07-50				10.0	-4.0				0			GENERALLY
5	N	1760		89-19-04				14.0	-7.0	-6.6	1039.0		A			EVEN SLOPE
6	"	1760		270-39-25				14.0	-6.2				A			UP THIS HILL
7	"	880		89-47-05				4.0		-0.7		1038.3	-	727		
8		0						5.8		-5.8		1033.2		728		π
9	S	880		89-57-30				4.0		-3.4		1035.6	-	729		
10	"	1760		89-35-03				12.0	2.8	+2.6		1041.6	0	730		
11	"	1760		270-24-14				10.0	2.4				0			
12	N	2640		91-58-04				5.0	95.7	+96.1	1137.7		A			
13	"	2640		268-00-53				5.0	86.5				A			
14	"	1760		92-25-15				4.0		-78.3		1059.4	-	731		
15	"	880		92-24-30				4.0		-41.0		1096.7	-	732		
16		0						5.8		-5.8		1131.9		733		π
17	S	880		88-38-15				4.0		+16.9		1154.6	-	734		
18	"	1760		87-33-30				4.0		+71.5		1209.2	-	735		
19	"	2640		87-04-33				10.0	124.7	+124.3		1262.0	0	736		
20	"	2640		272-54-34				10.0	134.0				0			

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STADIA SURVEY NOTES

AREA AWONA RIVER STATE or PROVINCE ALASKA PAGE No. 17
 LINE No.(s) 572X PARTY No. 1184 DATE 25 Day 1 Mo. 78 Yr. BOOK No.
 SURVEYOR W.D. HELANDER RODMAN T. GARCIA 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											1262.0			
2												736		
3	N	3080		92-30-23				10.0	144.7	+145.1	1407.1		Δ	
4	"	3080		267-28-47				10.0	145.4				Δ	
5	"	2530		92-34-50				4.0		-117.9	1289.2	-	736-5 HIGH POINT OF HILL	
6	"	2200		93-05-40				4.0		-122.8	1284.3	-	737	
7	"	1760		94-46-42				4.8		-150.6	1256.5	-	737-4 LOW POINT OF HILL	
8	"	1320		95-13-50				4.0		-124.3	1282.8	-	738	
9	"	440		95-10-17				4.0		-43.7	1363.4	-	739	
10		0											739-4 X	
11	S	440		87-18-40				4.0		+16.6	1423.7	-	740	
12	"	990		87-32-28				14.0	28.5	+28.4	1435.5	0	740-5 HIGH POINT OF HILL	
13	"	990		272-26-50				14.0	28.3			0		
14	N	1210		88-16-09				5.0	-31.5	-31.3	1404.2		Δ	
15	"	1210		271-42-55				5.0	-31.2				Δ	
16	"	880		88-12-50				4.0		+23.4	1427.6	-	741	
17		0						5.8		-5.8	1398.4		742 T	
18	W	1960		91-29-00				5.0	-55.7	-55.9	1348.3	0		
19	"	1960		268-30-22				5.0	-56.1			0		
20											1342.2		ELEV 1342.24	

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+ 6.1

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2nd

12.8
3.0
9.8

STADIA SURVEY NOTES

AREA Lookout River STATE or PROVINCE Alaska PAGE No. 18
 LINE No.(s) 51x PARTY No. 1184 DATE 1 Day 26 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - clear - calm P.T.S. No. _____

13.2
3.0
16.2
2.0

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1					TAKE OFF BAS			78	227			1342.2			1342.241	
2																
3	W	2040			90-55-15			5.0	+37.8	+32.2	1380.0		Δ			
4	W	2040			269-04-46			5.0	+37.8				Δ			
5		0					HI	5.7		-5.7		1374.1		743	π	
6	S	880			95-28-31			21.0		-105.0		1025.0	-	747		
7	"	1760			95-29-14			10.0		-178.3		1201.7	-	745		
8	"	2640			94-54-44			10.0	-236.1	-235.9		1244.0	0	746		
9	"	2640			265-05-38			10.0	-235.9				0			
10	N	2640	2420		87-53-24			10.0	-79.1	-79.3	1064.8		Δ			
11	"	2640	2420		272-07-12			10.0	-79.5				Δ			
12	"	1540			87-43-59			13.0		+47.9		1112.7	-	747		
13	"	660			87-43-26			4.0		+22.2		1082.0	-	748		
14		-0-					HI	5.7		-5.7		1059.0		748	-6 π 648 ft 60"	
15	S	220			93-07-35			4.0		-16.0		1048.8	-	749		
16	"	1100			92-59-43			12.0		-70.5		997.3	-	750	River bottom	
17	"	1980			91-04-56			4.0		-41.4		1923.7	-	751		
18	"	2860			90-33-09			10.0	-37.6	-37.3		1027.5	0	752		
19	"	2860			269-27-32			10.0	-37.0				0			
20																

TI-508B

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STADIA SURVEY NOTES

AREA Lookout River STATE or PROVINCE Alaska PAGE No. 19
 LINE No.(s) 51X PARTY No. 11-84 DATE 1 Day 26 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: clear - cold - calm 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											1022.5			
2														
3	N	2640			90-19-45			10.0	+25.1	+24.9	1032.4	Δ	752	
4	"	2640			269-40-53			10.0	+24.7			Δ		
5	"	1760			90-36-06			4.0		-22.5	1029.9	-	753	
6	"	880			90-42-14			4.0		-14.8	1037.6	-	754	
7		-0-						5.7		-5.7	1046.7		755	X
8	S	880			89-01-26			4.0		+11.0	1063.9	-	756	
9	"	1760			89-49-14			4.0		+32.2	1084.6	-	757	
10	"	2690			88-55-17		88-35-0	5.0	+60.3	+60.6	1113.0	0	758	
11	"	2640			271-25-56			5.0	+60.9			0		
12	N	1760			92-39-40			10.0	+91.7	+91.5	1204.5	Δ		
13	"	1760			267-21-06			10.0	+91.4			Δ		
14		880			93-14-11			4.0		-53.7	7150.8	-	759	
15		-0-						5.8		-5.8	1198.7		760	X
16	S	980			85-37-27			4.0		+63.1	1267.4	-	761	
17	"	1760			83-57-40			5.0		+180.2	1384.7	+	762	→ Sideshot
18	"	1760												
19	S	1980			83-08-45		83-48-2	5.0	+208.6	+208.7	1413.2	0	762-2	
20	"	1980			276-12-04			5.0	+208.9			0		

11.8
3.0
8.8

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STADIA SURVEY NOTES

AREA Look out Ridge STATE or PROVINCE Alaska PAGE No. 20
 LINE No.(s) 51X PARTY No. 1184 DATE 1 Day 26 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - clear - calm P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. -S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD			
1												1413.2				
2																
3	N	1320			96-32-26			5.0	+155.4	+155.2	1568.4			Δ		
4	"	1320			263-28-08			5.0	+155.1					Δ ₁		
5	"	660			97-44-18			4.0		-92.9	1475.5	-	763		ascend to ridge	
6	"	220			98-35-51			14.0		-46.9	1521.8	-	763	-4	763 + 490	
7		-0-						5.8		-58	1562.6		763	-6	π 763 + 600	
8	S	220			87-22-56			4.0		+6.0	1574.4	-	764			
9	"	770			87-42-51			14.0	+16.7	+16.7	1585.1	0	764	-5	764 + 550	
10	"	770			272-17-06			14.0	+16.7				0 ₁			
11	N	2090			88-32-45			5.0	-48.0	-48.1	1537.0			Δ ₁		
12	"	2090			271-27-25			5.0	-48.1					Δ ₁		
13	"	1760			88-30-30			4.0		+41.8	1578.8	-	765			
14	"	880			89-20-20			4.0		+6.2	1543.2	-	766			
15		-0-						5.8		-5.8	1531.2		767		π	
16	S	880			87-37-30			4.0		+32.5	1569.5	-	768			
17	"	1760			87-32-10			4.0		+71.7	1608.7	-	769			
18	"	2640			87-34-02			15.0	+97.1	+92.1	1634.1	0	770			
19	"	2640			272-26-03			15.0	+97.1				0 ₁			
20																

TI-5888

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CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA Lookout Ridge STATE or PROVINCE Alaska PAGE No. 21
 LINE No.(s) 51X PARTY No. 1184 DATE 1 Day 26 Mo. 79 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - clear - calm 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													1654.1			
2																
3	N	1100			91-01-55				5.0	+24.9	+24.7	1658.8		Δ	770	
4	"	1100			268-58-34				5.0	+24.7				Δ		
5	"	220			91-26-03				4.0		-9.5	1649.3		-	771	
6		0							5.8		-5.8	1653.0			771	-2 X 771+220
7	S	660			88-36-52				4.0		+12.0	1670.8		-	772	
8	"	1103			88-52-13				6.0	+15.7	+15.9	1674.7	0		772	+443 BAs 78229
9	"	1163			271-08-26				6.0	+16.0				0		
10												1673.6				TRUE Elev. 78228
11												+1.1		VEE.		mistic 1673.57
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA Lookout Ridge STATE or PROVINCE Alaska PAGE No. 22
 LINE No.(s) 51X PARTY No. 1184 DATE 1 Day 27 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold-clear-calm 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															
3	N	437			88-33-00				5.0	-6.1	-6.1	1667.5		772 + 443	143.57
4	"	437			271-27-09				5.0	-6.1					
5		-0-							5.8		-5.8		1661.7	773	K
6	S	550			94-35-12				10.0	-54.0	-54.0		1613.5		
7	"	550			265-25-21				10.0	-53.9					
8	N	2090			84-38-30				3.0	-192.1	-192.1	1421.1			
9	"	2090			275-22-17				3.0	-192.4					
10	"	1760			84-34-05				4.0	+162.6	+162.6		1583.1	774	
11	"	880			85-05-52				4.0		+71.2		1492.3	775	
12		-0-							5.8		-5.8		1415.3	776	K
13	S	880			93-14-56				4.0		-53.9		1367.2	777	
14	"	1760			92-33-12				4.0		-82.4		1338.7	778	
15	"	2130			92-15-35				5.0	-91.0	-88.8		1332.3	778-3	778 + 376
16	"	2130			267-45-10				5.0	-98.5					
17	N	1760			91-11-47				10.0	+96.7	+96.7	1379.0			
18	"	1760			268-48-19				10.0	+96.7					
19	"	1210			91-56-25				4.0		-95.6		1354.0	779	
20	"	330			92-49-40				4.0		-20.3		1358.7	780	

TI-508B

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F
5.2
3.0
1.2

K
13.6
1.8

STADIA SURVEY NOTES

AREA Look out Ridge STATE or PROVINCE Alaska PAGE No. 23
 LINE No.(s) 51X PARTY No. 1184 DATE 1 Day 27 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold-clear-calm P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		AB.S. OF S. - S.S.	Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD			
1											1379.0					
2		-0-						5.9		-5.9		1373.1		780+3	790+530'	
3	S	530			87-09-59			4.0		+23.2		1402.2	-	781		
4	"	1430			86-45-00			4.0		+77.1		1456.1	-	782		
5	"	2310			86-33-38			4.0		+134.6		1513.6	-	783		
6	"	2530			86-22-23			14.0	+146.0	+146.2		1525.2	0	783-2	783+230	
7	"	2530			273-38-04			14.0	+146.4							
8	N	660			93-08-49			10.0	+46.4	+46.4	1571.6					
9	"	660			266-50-32			16.0	+46.4							
10		-0-						5.8		-5.8		1565.8		784	X	
11	S	628			88-66-32			10.0	+11.8	+11.9		1593.5	0			
12	"	628			272-08-14			10.0	+12.0				0	784	+628' BAS 78229	
13												1586.9			True Elev. 78229	
14												+3.3			Ver. Mistle	
15															1586.21	
16																
17																
18																
19																
20																

TI-5000

WORKED BY _____ CHECKED BY 1st _____ 2nd _____

STADIA SURVEY NOTES

AREA Look Ridge STATE or PROVINCE Alaska PAGE No. 24
 LINE No.(s) 51X PARTY No. 1184 DATE 1 Day 27 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: cold - clear - calm 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														
2														
3	N	1022			98-00-11			14.0	-21.6	-21.7	1565.1		Δ	
4	"	1022			272-00-30			14.0	-21.8				Δ ₁	
5	"	776			87-51-10			9.0		+19.8	1545.3		-	
6		-0-						5.8		-5.8	1559.3			785-7 X (785+776)
7	S	110			93-55-56			4.0		-11.5	1553.6		-	786
8	"	990			93-32-32			5.0	-66.2	-66.0	1499.1		0	787
9	"	990			266-28-26			5.0	-65.9				0 ₁	
10	N	2640			86-36-57			10.0	-145.8	-146.0	1353.1		Δ ₁	
11	"	2640			273-23-26			10.0	-146.1				Δ ₁	
12	"	1760			86-44-04			4.0		+96.3	1449.4		-	788
13	"	880			86-42-52			4.0		+46.4	1399.5		-	789
14		-0-						5.7		-5.7	1397.4			790 X
15	S	880			91-57-06			4.0		-34.0	1319.1		-	791
16	"	1760			91-29-09			4.0		-50.1	1303.0		-	792
17	"	2640			91-15-12			15.0	-72.7	-72.9	1280.2		0	793
18	"	2640			268-44-29			15.0	-73.0				0 ₁	
19	N	2640			88-07-41			5.0	-81.2	-81.4	1198.8		Δ	
20	"	2640			271-52-41			5.0	-81.5				Δ ₁	

TI-588B

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2nd _____

STADIA SURVEY NOTES

AREA Lookout Ridge

STATE or PROVINCE Alaska

PAGE No. 25

LINE No.(s) SIX

PARTY No. 1184

DATE

Day 27

Mo. 78

Yr. BOOK No.

SURVEYOR D. Jensen

RODMAN T. Garcia

WEATHER:

Cold - Calm - Clear

P.T.S. No.

E N I	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											1198.8			
2														
3	N	1760			88-11-42			4.0	+57.2		1250.0	-	794	
4	"	880			88-23-23			4.0	+20.7		1219.5	-	795	
5		-0-						5.7	-5.7		1193.1	-	796	K
6	S	880			91-42-22			4.0	-30.2		1168.6	-	797	
7	"	1760			91-16-06			4.0	-43.0		1155.8	-	798	
8	"	2640			91-01-39			10.0	-57.3	-57.1	1141.7	0	799	
9	"	2640			268-59-00			10.0	-56.8			0		
10	N	2200			89-14-32			5.0	-24.1	-24.3	1117.4	Δ		
11	"	2200			270-46-10			5.0	-24.6			Δ		
12	"	1760			89-46-17			5.0	+2.0		1119.4	-	799-4	799+400 (W. 11)
13	"	1320			89-56-25			4.0	-2.6		1114.8	-	800	
14	"	440			90-07-54			4.0	-4.9		1112.5	-	801	
15		-0-						5.9	-5.9		1111.6	-	801-4	K 801+440
16	S	440			92-09-10			4.0	-20.5		1096.9	-	802	802 falls in Colville River
17	"	1320			90-07-35			4.0	4.0	-6.9	1110.5	-	803	
18	"	2200			89-58-19			2.4	10.0	-8.7	1108.7	0		
19	"	2200			270-02-02			10.0	-8.5			0	804	Rodman was mis-taken on sp. *
20								2.4						

TI-585B

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CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA Kuakat STATE or PROVINCE Alaska PAGE No. 26
 LINE No. (s) 51X PARTY No. 1184 DATE 1 Day 28 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Gaccia 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	Correction			Center Hair	INST.		
1											1108.7			
2						46-40						0	804	
3	N	2395				92-26-24		10.0	126.1	+125.1	1234.4	Δ		
4	"	2395				267-14-15		10.0	125.4			Δ ₁		
5	"	1515				94-42-21		4.0		-128.3	1106.1	-	805	
6	"	635				102-36-38		4.0		-142.6	1091.8	-	806	
7	"	305				106-32-35		2.0		-88.8	1145.6	-	806-3 BOTTOM OF RIVER BANK	
8		0						5.8		-5.8	1228.6	-	806+635 π TOP OF BANK	
9	S.	245				88-58-35		4.0		+0.4	1234.8	-	807	
10	"	1125				89-05-06		5.0	+13.0	+12.9	1247.3	0	808	
11	"	1125				270-54-20		5.0	+12.9			0 ₁		
12	N	2970				89-50-13		10.0	+1.5	+1.2	1248.5	Δ ₁		
13	"	2970				270-10-31		10.0	+0.9			Δ ₁		
14	"	2090				89-50-30		4.0		+1.8	1250.3	-	809	
15	"	1210				89-53-55		4.0		-1.9	1246.6	-	810	
16	"	330				91-33-21		4.0		-13.0	1235.5	-	811	
17		0						5.8		-5.8	1242.7	-	811-3 (811+330) π	
18	S	550				89-26-49		4.0		+1.3	1249.8	-	812	
19	"	1430				89-15-26		4.0		+14.5	1263.0	-	813	
20														

TI-5588

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STADIA SURVEY NOTES

AREA Kuakat Ridge STATE or PROVINCE Alaska PAGE No. 27
 LINE No.(s) SIX PARTY No. 1184 DATE 1 Day 28 Mo 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - clear - calm P.T.S. No. _____

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	Angular Elev. Diff.	Final Elev. Diff.	ELEVATIONS		Station	REMARKS
			Level	Inclined	Angle or Factor	Hair Read	Reading	Correction				INST.	ROD		
1											1248.5				
2															
3	S	2310			88-58-08			14.0	+27.6	+27.7		1276.2	0		
4	"	2310			271-02-14			14.0	+27.8				0	814	
5	N	1760			90-01-05			10.0	+10.6	+10.4	1286.6		Δ		
6	"	1760			269-58-26			10.0	+10.3				Δ		
7	"	880			90-05-18			4.0		-5.3		1281.3		815	
8		0						5.8		-5.2		1280.8		816	
9	S	880			90-46-26			4.0		-15.9		1270.7	-	817	
10	"	1210			90-51-31			10.0		-28.1		1258.9	-	817-3	
11	"	1760			70-24-50			5.0	-17.7	-17.6		1269.0	0	low point of hill	
12	"	1760			269-35-44			5.0	-17.4				0	818	
13	N	2640			90-35-38			10.0	+37.4	+37.0	1306.0		Δ		
14	"	2640			269-25-20			10.0	+36.6				Δ		
15	"	1760			91-21-31			4.0		-45.7		1260.3	-	819	
16	"	880			91-30-52			4.0		-27.3		1278.7	-	820	
17		-0-						5.8		-5.8		1300.2		821	
18	S	880			88-48-52			4.0		+14.2		1320.2	-	822	
19	"	1760			88-33-56			15.0		+27.1		1335.1	-	823	
20															

TI-558B

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CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA Kuakat STATE or PROVINCE Alaska PAGE No. 28
 LINE No.(s) 51X PARTY No. _____ DATE 1 Day 28 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold-clear-calm 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												1306.0			
2															
3	S	2640			88-41-23			15.0	45.4	+45.0		1351.6	0		
4	"	2640			271-19-19			15.0	45.9				0	824	
5	N	1760			90-46-10			10.0	30.0	+36.5		1382.1	Δ		
6	"	1760			269-20-12			10.0	30.4				Δ		
7	"	880			98-02-17			4.0		-4.6		1376.3	-	825	
8		-0-						5.8	20.6	-5.8				826	T
9	W	2180			88-00-52			5.0	47.3	-70.7			0		
10	"	2180			271-59-43			5.0	10.9			1452.8	0		BAS 78230
11												1450.8			TRUE ELEV. 1450.8
12												+2.0			VER. Mistie
13															
14															
15															
16															
17															
18															
19															
20															

f 12.2
2.0
f 17.6
3.0

TI-588B

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STADIA SURVEY NOTES

AREA kuakat STATE or PROVINCE Alaska PAGE No. 29
 LINE No.(s) 51 X PARTY No. 1184 DATE 1 Day 28 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold-calm-clear P.T.S. No. _____

F 9.5
 13.1
 5.0

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														
2														
3	W	2550	2470		88-33-16			5.0	-57.3	-57.3				
4	"	2580	2470		271-27-24			5.0	-60.1	-60.3	1393.2			Stadia was not shot due to refraction. Shorter setups made.
5	N	880			90-17-28			4.0	-57.8	-8.5	1384.7		827	
6		0						5.8		-5.8	1387.4		828	K
7	S	880			90-15-21			4.0		-7.9	1385.3		829	
8	"	1760			70-14-14			10.0	-17.3	-17.2	1376.0		830	
9	"	1760			269-46-18			10.0	-17.0					
10	N	2640			90-38-58			10.0	+39.9	+39.9	1415.9			
11	"	2640			269-21-05			10.0	+39.9					
12	"	1760			90-45-45			4.0		-27.4	1388.5		831	
13	"	880			91-01-52			4.0		-19.8	1396.1		832	
14		0						5.7		-5.7	1410.2		833	K
15	E	880			88-27-47			4.0		+19.6	1435.5		834	
16	"	1760			88-05-34			4.0		+54.6	1470.5		835	
17	"	2640			87-45-13			15.0	+89.5	+88.6	1504.5		836	
18	"	2640			272-15-12			15.0	+89.8					
19	N	1980			91-14-08			15.0	+87.7	+87.5	1562.0			
20	"	1990			268-46-30			15.0	+87.3					

TI-5088

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STADIA SURVEY NOTES

AREA AKU AKAT STATE or PROVINCE Alaska PAGE No. 30
 LINE No.(s) 51 X PARTY No. 1184 DATE Day 28 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - clear - calm 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.		
1											1562.0			
2														
3	N	1100			91-03-36			4.0	-24.3		1537.7	-	837	
4	"	220			90-54-55			4.0	-7.5		1554.5	-	838	
5		0						5.8	-5.8		1556.2		838	-2 π 2384 200'
6	S	660			90-23-44			4.0	-8.6		1553.4	-	839	
7	"	1540			90-37-43			14.0	-30.9		1531.1	-	840	
8	"	2420			90-32-44			5.0	-28.0		1534.0	-	841	
9	"	2750			90-19-51			5.0	-20.9	-20.6	1541.4	0	841	- 3
10	"	2150			269-40-61			5.0	-20.3			0		
11	N	2310			89-12-09			10.0	-22.2	-22.7	1519.0	Δ		
12	"	2310			270-48-39			10.0	-22.7			Δ		
13	"	1760			89-18-59			4.0		-25.0	1494.0	-	842	
14	"	880			89-30-59			4.0		+1.0	1520.0	-	843	
15		0						5.9		-5.9	1513.1		844	π
16	S	880			89-43-38			4.0		+0.2	1513.3	-	845	
17	"	1760			89-48-00			4.0		+2.1	1515.4	-	846	
18	"	2640			88-22-52			5.0	69.6	+09.8	1548.0	0	847	
19	"	2640			271-37-37			5.0	70.0			0		
20														

TI-5888

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CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA Kuakat Ridge STATE or PROVINCE Alaska PAGE No. 31
 LINE No.(s) SIX PARTY No. _____ DATE _____ Day 29 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold 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.		
1											1588.8			
2														
3	N	330			90-16-18		10.0	+11.6	+11.6	1600.4		▲	847	
4	"	330			269-44-03		10.0	+11.5				▲		
5		-0-					5.8		-5.8		1594.6	●	847-37	
6	S	243			90-47-23		5.0	-8.3	-8.3			●	847-37	
7	"	243			269-12-58		5.0	-8.3			1592.1	●	847-37 BAS 78231	
8											1596.1	●	TRUE ELEV. 1596.12	
9													-4.0 VER. Mistie	
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

TI-5888

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STADIA SURVEY NOTES

AREA Kvakat Ridge STATE or PROVINCE Alaska PAGE No. 32
 LINE No.(s) 51X PARTY No. 1184 DATE 1 Day 29 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - calm - clear P.T.S. No. _____

+ 10.96
5.00
5.96

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																	
3	N ¹¹⁵⁵	1190		86-54-30						-54.2	-54.3	1541.8		Δ		847 + 577'	
4	" ¹¹⁵⁵	1190		273-06-10						-54.4				Δ ₁			
5	"	220		86-52-41							+42.9	1584.7		-		848	
6		0									-5.8	1536.0				849 π	
7	S	880		93-31-27							-58.1	1483.7		-		850	
8	"	1320		93-10-20						-78.0	-77.9	1463.9		0		850 + 440	
9	"	1320		266-50-18						-77.8				0 ₁			
10	N	1320		90-25-54						+23.9	+23.8	1487.7		Δ			
11	"	1320		269-34-49						+23.7				Δ ₁			
12		280		90-36-43							-26.4	1461.3		-		851	
13		0		92-58-04							-5.8	1481.9				852 π	
14	S	280		90-37-22							-55.6	1432.1		-		853	
15	"	1540		90-49-00						-34.9	-34.8	1452.9		0		853 G	
16	"	1540		269-11-40						-34.7				0			
17	N	2750		71-46-24						+93.1	+95.2	1548.1		Δ			
18	"	2750		268-13-20						+96.3				Δ ₁			
19	"	2530		91-48-40							-86.0	1463.1		-		854	
20	"	1650		91-48-33							-87.1	1491.0		-		855	

11.9

12.7
5.0

TI-588B

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STADIA SURVEY NOTES

AREA Kvakat Ridge STATE or PROVINCE Alaska PAGE No. 33
 LINE No.(s) 51X PARTY No. _____ DATE 1 Day 29 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - Calm - clear 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												1548.1			
2															
3	N	770			91-17-3				10.0		-27.3	1520.8	-	856	
4		-0-			90-46-55				5.8		-5.8	1542.3	-	856-7	X 856 + 770
5	S	110			91-36-18				4.0		-5.5	1542.6	-	857	
6	"	996			90-42-02				4.0		-16.1	1532.0	-	858	
7	"	1870			90-47-44				4.0		-30.0	1518.1	-	859	
8	"	2750			90-41-15				15.0	-48.0	-47.8	1500.3	0	860	
9	"	2750			269-19-25				15.0	-47.5			0		
10	N	1760			88-58-08				5.0	-26.7	-26.9	1473.4			
11	"	1760			271-02-35				5.0	-27.0					
12	"	890			90-21-59				4.0		-9.6	1463.8	-	861	
13		-0-							5.8		-5.8	1467.6	-	862	X
14	S	880			89-27-05				4.0		+4.4	1477.8	-	863	
15	"	1760			89-99-56		89-28-56		15.0	+0.9	+1.1	1474.5	0	864	
16	"	1760			270-31-42				15.0	+1.2			0		
17	N	877			89-47-33				5.0	+1.8	+1.8	1476.3			
18	"	877			270-12-54				5.0	+1.7					
19		-0-							5.8		-5.8	1470.5		865	X
20															

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STADIA SURVEY NOTES

AREA Kuakat Ridge STATE or PROVINCE Alaska PAGE No. 34
 LINE No.(s) 51 X PARTY No. 1184 DATE 1 Day 29 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - clear - calm 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												1476.3			
2															
3	S	185			92-07-42				3.0	-9.9	-9.9		0	865+185'	
4	"	185			267-53-02				3.0	-9.8		1466.4	0	BAS 78232	
5												1463.53		TRUE ELEV.	
6														VER. Mistie	
7												+2.9			
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

3.09
185

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STADIA SURVEY NOTES

AREA Kuakat STATE or PROVINCE Alaska PAGE No. 35
 LINE No.(s) 51X PARTY No. 1184 DATE 1 Day 29 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D Jensen RODMAN T. Garcia WEATHER: Cold - clear - calm 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														
2														
3	N	1135			89-40-51			10.0	-35.9	-36.0	1427.5		463-53	BAS 78232 common with sp. 865 + 185
4	"	1135			272-19-20			10.0	-36.0					o signifies location of Rod.
5	"	440			81-45-04			4.0		+13.3	1440.8	-	866	
6		-0-						5.8		-5.8	1421.7	-	866	4 X
7	S	440			93-15-21			4.0		-29.0	1398.5	-	867	low gully
8	"	1320			89-27-32			3.0	+9.5	+9.6	1437.1	o	868	
9	"	1320			270-32-56			3.0	+9.6			o		
10	N	1760			90-08-35 90-35-42			5.0	+23.3	+23.3	1460.4			
11	"	1760			269-22-45 269-24-23			5.0	+23.2					
12	"	880			90-41-53			4.0		-13.8	1446.6	-	869	
13		-0-						5.8		-5.8	1454.6	-	870	X
14	S	880			90-26-48			4.0		-13.4	1447.0	-	871	
15	"	1760			90-26-28			15.0		-28.5	1437.9	-	872	
16	"	2640			90-16-41			10.0	-22.8	-22.7	1437.7	o	873	Low Gulch
17	"	2640			269-43-29			10.0	-22.7			o		
18	N	1960 1860			91-07-36			10.0	+46.6	+46.3	1484.0			spread short by 110'
19	"	1960 1860			268-53-20			10.0	+46.1					
20	"	1080 965			91-30-09			4.0		-29.3	1454.7	-	874	

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12.3
3.0
12.9
4.0
12.7
3.7
3.0
12.7
3.7

STADIA SURVEY NOTES

AREA Kuakak Ridge STATE or PROVINCE Alaska PAGE No. 36
 LINE No.(s) 51X PARTY No. _____ DATE 1 Day 29 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: _____ 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	Correc-tion				INST.	ROD			
1											1484.0					
2																
3																
4	N	195			91-25-02			4.0		-8.8	1475.2		875			
5													875+195		895+195	
6		-0-						5.8		-5.8	1478.2	0			233	
7											1481.2				BKS 78332	
8											<u>1481.2</u>					
9											-3.0			VERT.	Mistie 168/17	
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

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STADIA SURVEY NOTES

AREA Monument Ridge STATE or PROVINCE Alaska PAGE No. 37
 LINE No.(s) 51 X PARTY No. 1184 DATE 1 Day 30 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia 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				TAKG OFF			BA3 78233				1481.2			1181 17	
2															
3		0													
4	S	0							+5.8	1497.0		Δ			
5	"	685		89-46-28					-1.3			-	876	BA57BA33 T 875+195	
6	"	1580		87-52-39					-6.6	-6.3	1480.7	0	877		
7	"	1580		70-08-49					-5.9				0		
8	N	1430		88-59-50					-12.1	-12.2	1468.5		Δ		
9	"	1430		271-05-41					-12.3				Δ		
10	"	550		88-52-29						+6.8	1475.3	-	878		
11		0								-5.8	1462.7	-	878-5 T		
12	S	330		91-35-33						-13.2	1455.3	-	879		
13	"	1210		91-00-35					-31.3	-31.3	1437.2	0	880		
14	"	1210		268-59-43						-31.2			0		
15	"	1320		89-21-54			89-18-45			-5.8	-5.7	1402.8	Δ	14315	
16	"	1320		278-40-36						-5.6			Δ		
17	"	440		89-43-28						-1.9	1460.9	-	881	1029.6	
18		-0-								-5.8	1457.0	-	881-4 T	1125.7	
19	S	440		91-00-30						-11.7	1451.1	-	882	1019.7	
20															

12.9
5.8
1/2

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STADIA SURVEY NOTES

AREA Monument Ridge STATE or PROVINCE Alaska PAGE No. 38
 LINE No.(s) 51 X PARTY No. 1184 DATE 1 Day 30 Mo. 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia 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											1462.8				
2															
3	S	1320			90-24-32			10.0	-19.4	-19.3		1443.50	883	1412.2	
4	"	1320			269-36-03			10.0	-19.2			01			
5	N	1760			89-11-13			10.0	-15.0	-13.1	1428.4	Δ		1397.1	
6	"	1760			270-49-12			10.0	-15.2			Δ			
7	"	880			89-25-30			4.0		+4.8			884	1401.9	
8		=0-						5.8		-5.8			885	1391.3	
9	S	880			90-51-53			4.0		-17.3			886	1379.8	
10	"	1760			78-30-45			10.0	-25.7	-25.5			887	1371.6	
11	"	1760			269-30-05			10.0	-25.3			01			
12	N	1430			88-55-14			10.0	+8.0	+7.9	1410.9	Δ		1379.4	
13	"	1430			270-05-30			10.0	+7.7			Δ			
14	"	530			91-15-07			4.0		-16.0			888	1363.4	
15		0						5.8		-5.8			889-5	1373.6	
16	S	330			89-50-47			4.0		-3.6			889	1375.8	
17	"	1100			88-42-19			5.0		+19.9			889-7	Small rise in Terrain -	
18	"	1210			88-50-42			15.0	+9.4	+9.4			890	1388.8	
19	"	1210			271-09-08			15.0	+9.3			01			
20															

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STADIA SURVEY NOTES

AREA Monument Ridge STATE or PROVINCE Alaska PAGE No. 39
 LINE No.(s) 51X PARTY No. 1184 DATE 30 Day 1 Mo 78 Yr. BOOK No. _____
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: Cold - calm - clear 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												1420.2			13888
2															
3	N	1760			89-23-53			5.0	-13.5	-13.6	1406.6		Δ		13752
4	"	1760			270-36-30			5.0	-13.7				Δ ₁		
5	"	880			90-06-23			4.0		-5.6	1401.6		-	891	13696
6	O	-0-						5.8		-5.8	1400.8			892	π 13694
7	S	880			89-53-48			4.0		-3.7	1402.9		-	893	13715
8	"	1760			89-42-11			5.0	+4.1	+4.1	1410.7		0	894	13794
9	"	1760			270-17-50			5.0	+4.1				0 ₁		
10	N	1760			90-05-01			10.0	+12.6	+12.4	1425.1		Δ		13917
11	"	1760			269-55-37			10.0	+12.2				Δ ₁		
12	"	880			90-17-46			4.0		-8.5	1414.6		-	895	1383.2
13		-0-						5.8		-5.8	1417.3			896	π 13859
14	S	880			89-49-12			4.0		-1.2	1421.9		-	897	1390.5
15	"	1760			89-26-56			10.0	+7.0	+7.0	1430.1		0	898	1398.7
16	"	1760			270-33-00			10.0	+6.9				0 ₁		
17	N	1760			90-10-12			5.0	+10.2	+10.0	1440.1		Δ		1408.6
18	"	1760			269-50-49			5.0	+9.7				Δ ₁		
19	"	*1760			90-32-33			4.0		-12.3	1427.8		-	899	1396.3
20															

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STADIA SURVEY NOTES

AREA Monument Ridge STATE or PROVINCE Alaska PAGE No. 90
 LINE No.(s) SIX PARTY No. 1184 DATE 1 Day 30 Mo. 78 Yr. BOOK No.
 SURVEYOR D. Jensen RODMAN T. Garcia WEATHER: P.T.S. No.

LINE	Bearing of Sight	Stadia Distance	BEAMAN OR VERNIER			ROD READING			Center Hair	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				INST.	ROD			
1											1440.1					
2																
3		-0-						5.8		-5.8		1434.3		900	X	
4	S	880			89-42-24			4.0		+0.5		1440.6	-	901		
5	"	1760			89-16-50			15.0	+7.1	+7.2		1447.3	0	902		
6	"	1760			270-43-24			15.0	+7.2				0			
7	N	1760			90-21-15			5.0	+15.9	+15.6	1462.9		Δ			
8	"	1760			269-39-39			5.0	+15.4				Δ			
9	"	880			90-29-07			4.0		-11.5		1451.4	-	903		
10		-0-						5.7		-5.7		1459.2		904	X	
11	S	880			89-44-18			4.0		0.0		1459.2	-	905		
12	"	1760			89-28-13			10.0	+6.3	+6.0		1469.9	0	906		
13	"	1760			270-30-50			10.0	+5.8				0			
14	N	1760			89-59-04			10.0	+9.5	+9.6	1478.5		Δ			
15	"	1760			270-00-30			10.0	+9.7				Δ			
16	"	880			90-13-02			4.0		-7.3		1471.2	-	907		
17		-0-						5.9		-5.9		1472.6		908	X	
18	S	880			90-38-00			4.0		-13.7		1464.8	-	909		
19	"	1760			89-47-12			10.0		-3.4		1475.1	-	910		
20	"	2640			89-42-44			10.0	+3.3	+3.3		1481.8	0	911	END of Line SIX	

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HARNER PIPESET
S.P. 911 (1450.4)