

Stream Gaugings
BARRETT'S

Dec 1. 1906 :

STREAM GAUGINGS BARRETT

DECEMBER 1st 1906.

W16

Tab
ru

STREAM GAUGINGS BARRETT

erture in
inutes.

DECEMBER 1st 1906.

MIN

LKS.

1			
2	4 ² / ₃	22	51 ¹ / ₃
3	7	23	53 ² / ₃
4	9 ¹ / ₃	24	56
5	11 ² / ₃	25	58 ¹ / ₃
6	14	26	60 ² / ₃
7	16 ¹ / ₃	27	63
8	18 ² / ₃	28	65 ¹ / ₃
9	21	29	67 ² / ₃
10	23 ¹ / ₃	30	70
11	25 ² / ₃	31	72 ¹ / ₃
12	28	32	74 ² / ₃
13	30 ¹ / ₃	33	77
14	32 ² / ₃	34	79 ¹ / ₃
15	35	35	81 ² / ₃
16	37 ¹ / ₃	36	84
17	39 ² / ₃	37	86 ¹ / ₃
18	42	38	88 ² / ₃
19	44 ¹ / ₃	39	91
20	45 ² / ₃	40	93
		41	95 ¹ / ₃
		42	98
		43	100 ¹ / ₃
		44	102 ² / ₃
		45	105
		46	107 ¹ / ₃
		47	109 ² / ₃
		48	112
		49	114 ¹ / ₃
		50	116 ² / ₃
		51	119
		52	121 ¹ / ₃
		53	123 ² / ₃
		54	126
		55	128 ¹ / ₃
		56	130 ² / ₃
		57	133
		58	135 ¹ / ₃
		59	137 ² / ₃
		60	140

MICROFILMED

JAN 4 1905

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

MICROFILMED

Pine Creek & Cottonwood Creek
Dec. 1, 1906 to Sept. 30, 1907
(Barrett, Skye Valley, Morena)

PINE CREEK CONTINUOUS CREEK

DATE 1916	DISC	BOX GAUGE	DISCHARGE	RAIN	DISCHARGE PER PINE GALLONS
DEC 1	4.17	0.875	16.35	.04	10 566 547
2	4.18	96	18.79	.20	12 143 450
3	4.19	1.35 1.27	28.59	.27	18 476 916
4	4.22	1.50 1.62	36.93	.45	23 866 824
5	4.22	1.64 1.54	37.84	.05	24 454 932
6	4.25	1.30 1.28	28.87		18 657 872
7	4.23	1.09 1.27	24.75		15 995 232
8	4.24	1.04	20.43		13 202 336
9	4.24	.97	18.46		11 930 131
10	4.22	.98 1.08	18.74		12 111 137
11	4.23	1.90	21.57		13 940 087
12	4.31	2.81 2.5	66.	1.13	42 653 952
13	4.25	1.83 1.54	59.	0.07	38 130 048
14	4.47	1.62 1.35	37.67 <40 ISSGS>		24 345 066
15	4.30 12.6	1.28 1.2	28.66		18 522 155
16	4.30	1.13 1.24	24.		15 510 528
17		1.10	24.19		15 633 319
			2.21		330 141 532

PINE CREEK		COTTONWOOD CREEK		DISC	2.21 RAIN	GALLONS - DAY 330 141,532 1/2
1906	GAGE DISC	BOX GA. ROD GANGE				
DEC 18	4.22		1.02	19 88		✓ 12 847 887
19	4.24		1.00	19 31		✓ 12 479 512
20	4.30		.98	18 75		✓ 12 117 600
21	4.19		.94	17 32		✓ 11 119 431
22	4.17		.92	15 48		✓ 10 004 290
23			.85	16 28		✓ 10 521 808 0
24	4.19		.87	16 66		✓ 10 766 891 0
25			.88	16 56		✓ 10 702 264
26	4.20		.90	18 36	.05	✓ 11 865 553
27	4.32		2.60 .50	78		✓ 56 225 664
28			2.70	82 47 1/2	1.03	✓ 122 560 320
29			3. 1.20	+ 16	1.34	✓ 164 227 728
30	4.52		1.60	94.44	.64	✓ 79 491 456
31			1.20	+ 36.41		✓ 57 518 208
			1.00	2.40		GALLONS 409 589 664
				2.34		FOOT FEET 27 91
				1.23		
				89	.94	
				0.21		

+ P.M. Wapping door, box open

PINE CREEK		COTTONWOOD CREEK		DIS.	RAIN-G.	DISPERSEY GOLF
JAN. 1907	GAGE DIS.	BOX G.	ROD ROAD DAM			
1	4.5*	2.70	.3	84		54 286 848
		2.4	0.0			
2	4.5	2.		51		32 959 872
		1.9				
3	4.3	2.1		55		35 544 960
		2				
4	4.5	2.3		65		42 007 680
		2.3				
		2.2		(56 USGS)		
5	4.45 27	2.4		70		45 239 020
		2.8	.4			
6	4.6	2.8	.4	130	.95	84 015 3600
		2.7	.3			
7	4.55 27.2	2.7	.3	108	.31	69 797 3760
		2.7	.6			
8		2.7	.6	94		60 749 5680
		2.7	.6			
9	4.54	2.7	.6	94		60 149 568
		2.7	.6			
10	4.71	2.7	1.1	234		172 877 760
		2.7	1.3	301		172 877 760
11	4.70	2.7	.9	159	.72	102 757 248
		2.7	.8			102 757 248
12	4.66	2.7	.7	114	.11	73 675 008
		2.7	.65			73 675 008
13	4.65	2.7	.6	102	.06	65 919 744
		2.7	.65			65 919 744
14	4.66	2.7	.65	129	.30	83 369 088
		2.7	.83			83 369 088
15	4.61	2.7	.65	109	(56 USGS)	70 443 648
		2.7	.67			70 443 648
16	4.61 55	2.7	.69	116	.08	74 967 552
		2.7	.68			74 967 552
17					2.53	1129, 360 320

PINE CREEK

COTTONWOOD CREEK

DATE	GAGE	Dis.	Box GA	ROD GA	FLOAT VEL	DIS	RAIN GA	Discharge PER DAY GALLONS
FEB 1	4.41			68 (65)		106		68 50 832
2	4.40			65 (62)		99		63 980 928
3	4.41			60 (57)		87		56 225 66
4	4.37			59 (56)		85		54 933 120
5	4.37			59 55 (53)		78		50 409 216
6	4.31			56 52 (49)		70		45 239 040
7	4.30			48 48 (45)	50 (45.6)	61		39 422 592
8	4.28			48 (45)		61		39 422 592
9	4.28			41 (38)		48		31 021 056
10	4.25			45 (42)		55		35 544 960
11	4.22			40 (37)		46		29 728 512
12	4.20			48 (45)		61		39 422 592
13	4.22			45 (42)		55		35 544 960
14	4.20			41 (38)		48		31 021 056
15	4.20			47 (44)		59		38 130 048
16				53 78 (62)		99	.39	63 980 928
							.39	722,532,098

NOTE: FEB correction to Rod Gage - 03

DATE 1907 PINE CREEK COTTONWOOD CR

FEBRUARY	GAUGE	DISC.	Box Ga	Red Ga	Flow Vel.
17	4.41			.70 (67)	
18	4.33			.57 (54)	
19	4.33			.49 (46)	
20	4.30			.49 (45)	
21	4.28			.49 (45)	
22	4.29			.61 (58)	
23	4.40			.61 (58)	
24	4.33			.50 (47)	3 1/2
25	4.30			.49 (46)	
26	4.30			.51 (48)	
27	4.30			.57 (54)	
28	4.30			.49 (46)	
29					
30					
31					
#					

D/S. RAIN G.

111 .39
89

81

63

61

61

90 .13

90 .13

65

63

68

83 .12

61

166

DIS. PERDAY GALLONS

722. 532 098

71 736 192

52 348 032

40 715 136

37 422 592

37 422 592

58 164 480

58 164 480

42 007 680

40 715 136

44 946 356

53 640 576

37 422 592

TOTAL

Fe. 70. 1,297, 237, 942
3981

DATE 1907 MARCH *	PINE CREEK GAGE	COTTONWOOD CR. DIS.	BOX GA ROD G	FLAT VEL (47)	SEC. FT	RAIN	DIS. PER DAY - GALS
1	4.23			.48 ⁽⁴⁷⁾	65		✓ 42 007 680
2	4.22		Box Closed	.44 ⁽⁴³⁾	57		✓ 36 837 504
3	4.21			.50 ⁽⁴⁹⁾	70		✓ 45 239 040
4	4.22			.47 ⁽⁴⁶⁾	63		✓ 40 715 136
5	4.61			1.20 ⁽⁴²⁾ 1.25 ⁽⁴²⁾	362	.96	233 950 464
6	4.80		1.70 ⁽¹⁰⁹⁾	231	1.35	149 288 832	
7	4.71		.82 ⁽⁸¹⁾	140	.05	95 648 256	
8	4.58		.76 ⁽⁷⁵⁾	132		85 307 904	
9	4.61		.80 ⁽⁷⁹⁾	143	.07	92 416 896	
10			.78 ⁽⁷¹⁾	137		88 539 264	
11	4.49		.72 ⁽⁷¹⁾	122		78 845 184	
12	4.50		.72 ⁽⁷¹⁾	122	.01	78 845 184	
13	4.49		.72 ⁽⁷⁴⁾	122	.01	78 845 184	
14	4.42		.67 ⁽⁷⁵⁾	135		87 246 720	
15	4.41		.77	135		87 246 720	
					2024	1.45	1320 979 968

Correction from 3/3 = .01

1907 PINE CREEK COTTONWOOD CREEK

MARCH GAGE DIS. BOX GA RED GA FLUM VEL

16	4.36	.61 ⁽⁶⁰⁾
17	4.39	.63 ⁽⁶²⁾
18	4.38	.61 ⁽⁶⁰⁾
19	4.35	.60 ⁽⁵⁹⁾
20	4.32	.59 ⁽⁵⁸⁾
21	4.59	.90 ⁽⁸⁹⁾
22	4.39	.79 ⁽⁷⁸⁾
23	4.46	.79 ⁽⁷⁸⁾
24		.74 ⁽⁷⁴⁾
25	4.42	1.20 ⁽¹¹⁶⁾
26	5.18	.72 ⁽¹¹⁷⁾
27	4.80	1.10 ⁽¹²⁵⁾
28	4.70	1.00 ⁽⁹⁹⁾
29	4.60	.93 ⁽⁹²⁾
30	4.53	.80 ⁽⁸⁶⁾
31	4.50	.78 ⁽⁷⁹⁾

DIS RAIN

20.44			
94			
99			
94			
92			
90			
171	.41	.52	50
140			
140			
129			
191	.17	.60	.24
294	.87	.45	.82 ^{1.21}
200	.08	.05	.52
179	.06	.00	
162			
143			
137			

DIS PER DAY GALLONS

1330	979	968
60	749	568
63	980	928
60	749	568
59	457	024
58	164	480
110	512	512
90	478	080
90	478	080
83	369	088
123	437	952
190	003	968
129	254	400
115	682	688
104	696	064
92	416	896
88	539	264

SKYE VAL. MORENTA

Correction for Red Gage .01

141.9 Av. Sec. 7x
3.04

Total Gals 2,842,950.528

Flow 7x 8724.72

1907 PINE CREEK COTTONWOOD CREEK

APRIL GAGE DIS. Box GA Rod G Float Vel

1	4.50		.78
2	4.47		.73
3	4.60		.98
4	4.59		.85
5	4.47		.80
6			.77
7	4.41		.71
8	4.41		.68
9			.61
10	4.38		.68
	14.357		
11	4.37	951	.65
12	4.32		.66
13	4.31		.61
14	4.31		.61
15	4.33		.62
16	4.33		.60

RAIN

DIS. BARRETT SKYE VALLEY TARETA

DISC
PER DAY
IN GALLONS

140				90 478 080
127	.12	22	20	82 076 544
197	.21	19	28	127 315 384
159	.09	19	21	102 757 248
145				93 709 440
137				88 539 264
122				78 845 184
116				73 675 008
97				62 688 384
114				73 675 008
106				68 504 852
104	(52.6 U.S.G.S) (52.6 Cottonwood ONLY ABOVE PINE) (105 BELOW DEERTOWN) U.S.G.S.)			67 212 288
97				62 688 384
97				62 688 384
99				63 980 928
94				✓ 60 749 568
				1259 584 148

45

1907 PINE CREEK COTTONWOOD CR

APRIL	GAGE	DIS	BOX G	ROD G	FLOTT G
17	4.29			60	
18	4.28			(58AV)	
19				56	
20				52	
21				52	
22				52	
23				54	
24				56	
25	4.19			57	
26	4.20			50	
27	4.20			51	
28				49	
29	4.18			51	
30	4.17			51	

HAIR

DIS.	BARRETT	SKYE	MURPHY	DIS. PER DAY	IN GALLONS
94				1259	580 128
90				60	749 568
85				58	164 480
76				54	933 120
76				49	116 672
76				49	116 672
76				49	116 672
81				52	348 032
85				54	933 120
87				56	225 664
72				46	531 584
74				47	824 128
70				45	239 040
74			.05	47	824 128
74				47	824 128

45
TOTAL GALS 1979 531 156

" ACRES 6075

Dec 1 to MAY 1. 1904

1907 PINECREEK COTTONWOOD CR.

MAY GAGE DISC BOX GA ROD GA FLOAT

1	4.13		.48
2		BOX CLOSED	.48
3			.44
4			.43
5			.43
6	4.19		.48
7	4.13		.50
8	4.14		.48
9	4.08	2.90	.43
10	4.09		.46
11	4.07	2.89	.43
12			.45
13	4.05		.44
14	4.04	2.88	.42
15	4.00	2.85	.39
16	4.00		.39

RAIN GAGE

DISC. BARRETT SKYE VAL. MORENA

68			
68			
59			
57			
57	.12		.14
68			
72			
68			
57			
59			
57			
61	.04		.08
59			
55			
49			
49			
	.16		

DISC
DAY GAGE

✓ 43 946 356
✓ 43 946 356
✓ 38 130 048
✓ 36 837 504
✓ 36 837 504
✓ 43 946 356
✓ 46 521 584
✓ 43 946 356
60 ✓ 36 837 504
121.5/10 21.25 85 ✓ 38 130 048
60 ✓ 36 837 504
✓ 39 422 592
✓ 38 130 048
70 ✓ 35 544 960
76 ✓ 31 667 328
76 ✓ 31 667 328
6 2 2 359.376

1907

PINECR COTTONWOOD CR

MAY

DIS.	BARRETT	SNEVAL	MORENA	CALLUNA
17	4.01	.39		622 359 376
18	3.97	.38		31 667 328
19	3.95	.40		31 021 056
20		.37		32 959 872
21		.36		29 728 512
22	3.90	.34		28 435 968
23		.38		25 850 880
24		.35		31 021 056
25		.38		27 143 424
26	3.89	.40	51.36	31 021 056
27		.34	40 .03	33 192 580
28		.41	53	25 850 880
29	3.90	.35	42	34 252 406
30		.32	40	27 143 424
31		.32	37	25 850 880
				23 912 064

RAINFALL

DIS. PER DAY

DIS.	BARRETT	SNEVAL	MORENA	CALLUNA
17	49			622 359 376
18	48			31 667 328
19	51			31 021 056
20	56			32 959 872
21	44			29 728 512
22	40			28 435 968
23	48			25 850 880
24	42			31 021 056
25	48			27 143 424
26	51.36			31 021 056
27	40	.03	.03	33 192 580
28	53			25 850 880
29	42			34 252 406
30	40			27 143 424
31	37			25 850 880
				23 912 064
19				TOTAL GALS 10615 410722
				ACREFEET 3257

TOTAL Dec 1-1906-JUNE 1907 33151

FROM DEC 1 1906 - MAY 1907

TOTAL AVERAGE RAINFALL 18.92"

TOTAL RAINFALL GALLONS

MAKING A RUN OFF TO DATE

12/27.

↓
 ↓ 82 853 211 343
 10 425 952 410

1907
JUNEPINE CREEK
GAGE DISCOTTON WOOD GIR
BOX G ROD GAGE FLOAT

DATE	PINE CREEK GAGE DIS	COTTON WOOD GIR BOX G	ROD GAGE	FLOAT
1			31	
2	3.80		32	
3			34	
4			32	
5			.28	
6			.33	
7			.40	
8			.40	
9	3.82		.39	
10			.32	
11			.31	
12			.39	
13			.33	
14			.26	
15			.37	

16. 5.77 10.38 1.40

ABOVE PINE

RAINFALL
DISCHARGE
BARRETT Sky Valley MORENA

DISCHARGE PER DAY

DATE	DISCHARGE	BARRETT	Sky Valley	MORENA
1	35			
2	37			
3	40			
4	37			
5	30			
6	38			
7	51	.05		
8	51	.10		
9	32			
10	37			
11	35			
12	49	.04		
13	38	.09		
14	27			
15	46			
16	(15.23)			
	27.56			
	.28			

DISCHARGE
PER DAY

DATE	DISCHARGE PER DAY
1	22 619 520
2	23 912 064
3	25 850 880
4	23 912 064
5	19 388 160
6	24 558 336
7	32 959 872
8	32 959 872
9	20 680 704
10	23 912 064
11	22 619 520
12	31 667 328
13	24 558 336
14	17 449 344
15	24 728 512
16	17 811 256
	39 4 587 832

1907 JUNE	PINE CR PAGE	COTTONWOOD CR DISC	BOLG
17			1.12
18			1.05
19			1.08
20			1.08
21			1.06
22			1.05
23			1.10
24			.95
25			
26			.89
27			.90
28			.80
29			.70
30			

RAINFALL		DISC	TOTAL
DIS	BARRETT SKEV	MORENA	GALLONS
20			394 587 832
18			12 925 440
19			11 632 896
19			12 279 168
18			12 279 168
18			11 632 896
18			11 632 896
20			12 925 440
16			10 340 352
15			9 694 080
14			9 093 047
14			9 047 808
12.2			7 884 578
12.2			6 591 974
10.2			5 945 702
9.3			
28 TOTAL GALLONS			538 493 217
ACRE FEET			1652

JULY - JULY -

34,823

1907	PINE CR.	COTTONWOOD
JULY	GAGE DISC.	BOX G ROD G FLOAT
1		.60
2		
3		
4		.49
5	3.65	.63
6		.40
7		.38
8		
9		.31
10		.36
11		.42
12		.39
13	3.40	
14	3.42	1.79 .47
15		.39

DISC BARRETT SKYEV. MAREN7

DIS PER DAY
GALLONS

82	✓	5299 430
7.49	✓	4840 579
6.78	✓	4381 724
6.06	✓	3916 408
8.81	✓	5693 656
4.30	✓	2779 969
3.78	✓	2442 908
3.30	✓	2132 697
2.83	✓	1828 950
3.59	✓	2320 116
4.81	✓	3109 568
4.04	✓	1610 939
4.41	✓	2850 060
4.79	✓	3095 643
4.04	✓	2619 939
		49 922 584

1907	PINE CR	COTTONWOOD
JULY	GAGE DISC	BOLG RODG FLOAT
16		
17		
18		
19		.33
20		
21		.30
22		
23		.25
24		.25
25		
26		.30
27		
28		.40
29		.45
30		.33
31	3.35	.91

RAINFALL	
DIS	BARRETT SKYEV. MORENA
3.81	DIS. GALLON 49 922 580 2 462 296
3.59	2 320 116
3.35	2 165 001
3.13	2 022 831
2.93	1 893 577
2.73	1 764 323
2.60	1 551 053
2.07	1 337 783
2.07	1 337 783
2.60	1 551 053
2.73	1 764 323
3.52	2 274 877
4.30	2 778 970
5.35	3 457 555
3.13	2 022 831
2.04	3 231 395 81 945 351
	251
	35054

CHALS
ACRE FT

DEC 1 - AUG 1.

1907 PINE CR

COTTON WOOD

RAINFALL

AUGUST GAGE DIS BOX G ROD GA QUAD

DISC BARRETT SKYEV MORENA

CHAS DISCHARR

1			24
2			27
			36
3	3.33		18 26
			60
4			21
			60
5			21
			57
6			18
			55
7			16
8			47
			16
9			7.45
			31
10	3.29		82
			8.71
11	3.30	.68	82
			7.21
12			7.75
			.25
13			8.21
			7.78
			.91
14	LPM 3.20		.91
15	3.29		49 7.44
			88 7.71
16	3.29		-00-80

1.95	✓	1260 230
2.33	✓	1505 814
2.20	✓	1421 798
1.92	✓	1240 842
1.92	✓	1240 842
1.52	✓	982 333
1.28	✓	827 228
1.28	✓	827 228
21	✓	827 228
1.28	✓	827 228
82	✓	827 228
1.32	✓	827 228
1.28	✓	827 228
1.24	✓	801 877
1.36	✓	878 930
1.36	✓	878 930
1.36	✓	473 071
7.32	✓	878 930
7.06	✓	473 071
7.06	✓	456 268

15 276 575

1907 PINE CR. COTTONWOOD
 AUGUST GAGE DIS

QUAD
 530 P.M.

DIS

DISC PER 100
 GALLONS

17	3.29 7:30 AM 3.21 5-PM	41-8 = 33	594	15276 575 383 886
18		7-30 P.M.	522	337 354
19		38-8 = 30	450	290 822
20			825	534 174
21		7. AM 1.08-8 = 1.	1.20	775 526
22		5.30 P.M. 36-8 = 28	544	351 572
23		9. AM 82-8 = 74	800	517 018
24			75	484 704
25			666	430 417
26	3.28 9 AM .147	9 AM .76	622	401 981
27		12 AM 72	932	602 326
28		12 AM 82	132	853 079
29		5:10 AM .78	184	1,189,140
30			194	1253768
31		6. P.M. 74	205	1324 858

257007,200

Ac. FEE 77
 35054
 35131

RAINFALL FOR YEAR

ENDING SEPT 1, 1907

CAMPO BARRETT MORENA JAMIL P. JAMIL R. CUYAMAL
STEWART

23.12 19.61 25.38 16.46 15.76 41.49

SEPT PINECREEK COTTONWOOD

RAINFALL

1907	GAGE DISC	* QUAD	DISC BARRETT	DISC GALLONS
1	3.29	.11 AM .65 6 AM 52 7 AM	2.05	✓ 1 324 858
2			1.08	✓ 697 974
3		.85 10 AM	1.28	✓ 827 228
4		.68 7 PM	1.45	✓ 937 094
5	3.30 3 PM	.90 7 PM	2.67	✓ 1 725 546
6			2.06	✓ 1 331 320
7		.88 11 AM	1.45	104 ✓ 937 094
8	3.27 8 AM	.76 11 AM	.97	105 ✓ 626 884
9		.76 10 AM	1.50	102 ✓ 775 526
10	6 AM. DRY	.80 7 AM .59 11 AM	4.75	✓ 306 979
11		.77 7 AM .57 11 AM	4.29	✓ 277 251
12		.61 11 AM	5.18	✓ 334 769
13			4.96	✓ 320 551
14	6 AM. DRY	.79 8 AM	4.75	✓ 306 979
15		.60 11 AM	4.05	✓ 320 551
16				11 050 604

A

x "0" = .0807 GAGE

SEPT PINE CR COTTONWOOD
1907 GAGE DISC

16

21170

.65 11 AM

DISC. BARRETT

0.6 22

DISC GAGS.
11 050 604
401 981

17

.67 11 AM

0.6 78

438 172

18

6:00 AM
DRY 100' above water

67 11 AM

0.6 78

438 172

19

71 11 AM

0.8 00

517 017

20

79 11 AM

1.08

697 973

21

82 11 AM

1.28

827 328

22

1.28

827 328

23

82 11 AM

1.28

827 328

24

6 am
3.26

81 11 AM

1.24

801 377

25

81 11 AM

1.24

801 377

26

78 11 AM

1.04

672 123

27

80 11 AM

1.12

723 825

28

68 2 PM

1.12

723 825

29

3.30 P.M.

90 11 AM

1.54

995 259

30

99 11 AM

2.00

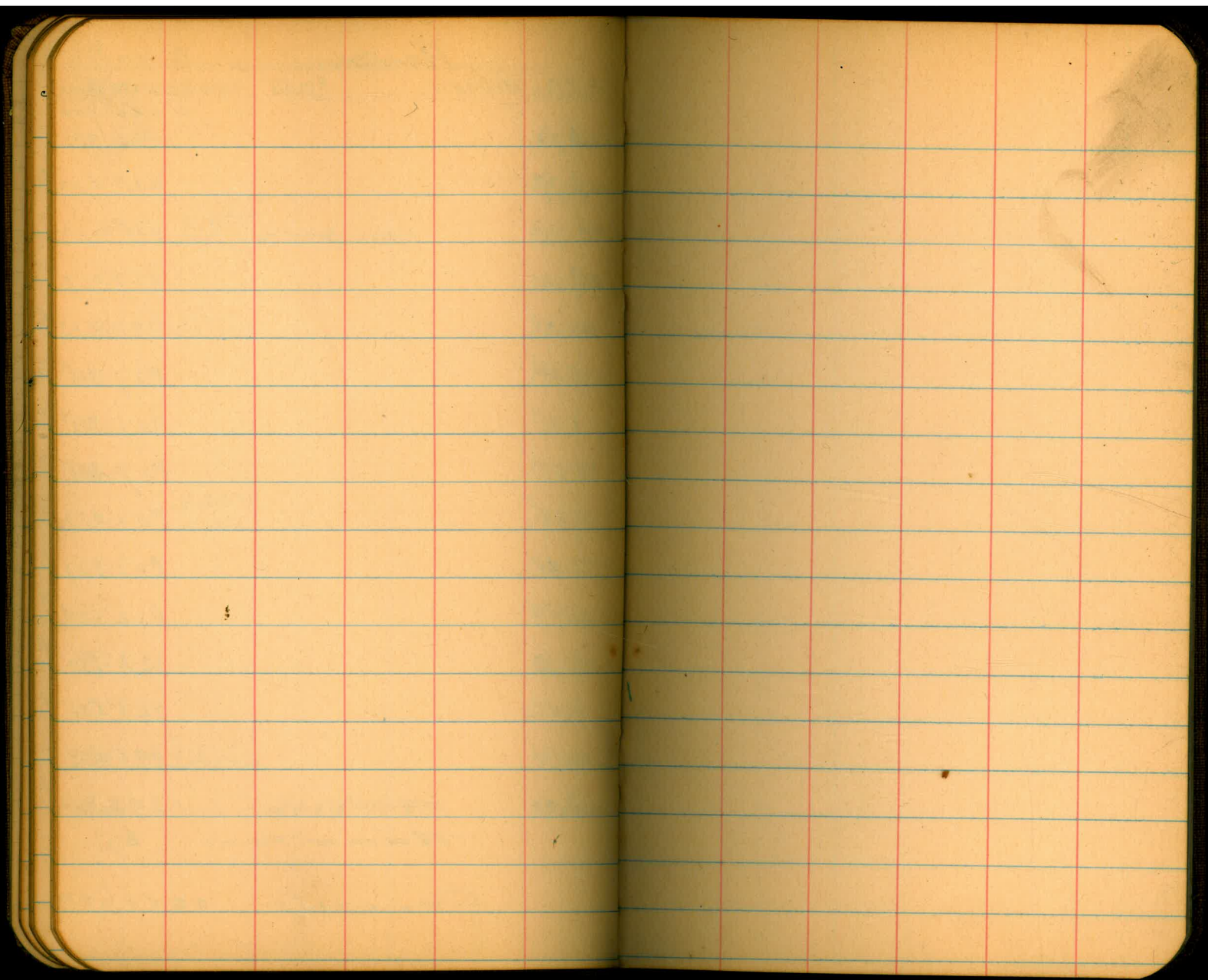
1 292 544

~~HERE~~
HERE

67

CANNONS

22,036,233



STREAM GAUGINGS BARRETT K.

DECEMBER 1st 1906.

Degrees.	Dep.		Lat.		Dep.		Lat.		Degrees.
	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.60	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.52	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.66	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.67	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							

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