

Special River Bulletin.

The Agricultural Experiment Station

FORT COLLINS, COLORADO.

Poudre River Bulletin.

September 17 to 23, 1902.—The distinguishing feature of the week has been the heavy rain which began Saturday evening, September 20, at 5 o'clock and continued until Monday forenoon. This single rainfall amounted to 6.84 inches, of which 1.88 inches fell during the first two hours. This is more than we have measured in any single previous storm during the existence of our record. This makes the total for the year to date, 15.96 inches, which is above the normal for the entire year. The rainfall of the year up to this time has been deficient, as is shown in the record, which is as follows:

	1902	Normal
January.....	0.32.....	.57
February.....	0.15.....	.59
March.....	1.50.....	.98
April.....	0.61.....	2.12
May.....	2.13.....	2.93
June.....	2.43.....	1.61
July.....	1.31.....	1.22
August.....	0.67.....	0.91

To September 1..... 9.12..... 12.69

Most of the precipitation fell in the form of snow in the upper elevations. Its melting is maintaining the stage of the river, and gives indication of keeping it up for some time. The ground has been thoroughly saturated, and a good fall irrigation gives substantial benefit to next year's crop. The smaller streams were floods. The reservoirs have profited by

the storm and little water is running to waste.

The following is the record for the week in second feet:

	1902	1901	Normal
Sept. 17.....	79.....	151.....	159
" 18.....	81.....	113.....	149
" 19.....	81.....	111.....	149
" 20.....	89.....	111.....	144
" 21.....	393.....	111.....	143
" 22.....	510.....	110.....	139
" 23.....	469.....	106.....	137

Average..... 243..... 113..... 146

The following is the record for the corresponding week in previous years:

1881.....	1890.....	85	1897.....	158	
1884.....	256	1891.....	128	1898.....	49
1885.....	224	1892.....	...	1899.....	167
1886.....	145	1893.....	...	1900.....	122
1887.....	126	1894.....	133	1901.....	113
1888.....	84	1895.....	193	1902.....	243
1889.....	73	1896.....	271		

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