

Special River Bulletin.

The Agricultural Experiment Station

FORT COLLINS, COLORADO.

Poudre River Bulletin.

June 10 to June 17, 1902.

During the week covered by this report the river has rapidly dropped from an average of 1,721 to 1,162 cubic feet per second. The average for the week has been 1,404 cubic feet per second or just about two-thirds of the normal, which is 2,179 cubic feet for the same period. The table below shows the daily record for the week and the weekly record for the corresponding week since 1884. While this week has been low, the corresponding week in 1888, 1890, 1892 and 1896 were still lower, though in the latter years, little or no water from other water sheds is included. About 170 cubic feet per second of some other water sheds is included in the amount given below.

The year thus far has been one of exceptional dryness. While the normal rainfall to June 1, is 7.14 inches, but 4.71 inches has fallen to the corresponding date this year, being a deficiency of nearly two and one-half inches. The normal for June is 1.61 inches, and the total that has fallen up to the 20th is .76 inch. The dryness of the season and the short snowfall has made the spring and early summer so dry that there is considerable damage to crops, though not as much in the valley of the Poudre as in other valleys in the state. Sometimes alfalfa has purposely been sacrificed for the benefit of more profitable crops. The range is dry and stock is finding close picking. The water supply of the

Poudre has been relatively better than that of most other streams in the state.

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

	1902	1901	Normal
June 11.....	1,721	2,135	2,308
" 12.....	1,538	1,854	2,247
" 13.....	1,460	1,753	2,201
" 14.....	1,379	1,823	2,168
" 15.....	1,327	2,127	2,168
" 16.....	1,240	2,123	2,123
" 17.....	1,162	2,049	2,039

Average.....1,404.....1,981.....2,179

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

1884.....	5,027	1891.....	2,086	1898.....	1,483
1885.....	2,638	1892.....	1,367	1899.....	2,699
1886.....	2,182	1893.....	2,470	1900.....	2,958
1887.....	1,973	1894.....	2,123	1901.....	1,981
1888.....	1,294	1895.....	2,813	1902.....	1,404
1889.....	1,402	1896.....	1,131		
1890.....	1,255	1897.....	2,195		

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