

ANNUAL REPORT OF DIVISION ENGINEER
OF IRRIGATION DIVISION NO 2
FOR THE SEASON OF 1941

~~C. W. BEACH~~

~~DIVISION ENGINEER OF IRRIGATION DIVISION
NUMBER TWO
504 CENTRAL BLOCK
PUEBLO, COLORADO~~

~~1941~~



Pueblo, Colorado, Dec. 1, 1941.

Mr. M. C. Hinderlider
State Engineer
Denver
Colorado

Dear Sir:

The winter season of 1940 and 1941 was mild, irrigation consumed all the river flow and there was none for storage. Many of the older canals were able to irrigate all their land so that it came through the winter in good condition for spring farming.

The past season was a good one for irrigation water. During the month of March we had a surplus of moisture, April was below the average but during May we again had an excess. Crops had a good start and there was plenty of water for everyone with a surplus for storage.

The snowfall in the mountains was below the average on March 1st. There was an almost continuous fall of snow on the high ranges from March 1st to May 1st which was most unusual and which resulted in a large deposit of snow and a splendid run of snow water through May and June.

The following table shows the rainfall by months for the irrigation season and the average rainfall for the last 50 years:

C. W. BEACH

DIVISION ENGINEER OF IRRIGATION DIVISION
NUMBER TWO
504 CENTRAL BLOCK
PUEBLO, COLORADO

M. C. H. #2

Nov 1940	Dec 1940	Jan 1941	Feb 1941	Mar 1941	Apr 1941	May 1941	Jun 1941	Jul 1941	Aug 1941	Sep 1941	Oct 1941	Total
0.90	0.42	0.34	0.26	1.69	0.91	1.74	2.83	2.06	3.28	1.72	0.36	16.51
Average:												
0.36	0.50	0.31	0.47	0.59	1.31	1.60	1.36	1.94	1.82	0.75	0.66	11.67

Insect pests were less numerous than in former years. There were some destructive hail storms which covered considerable areas.

There was a total of 42,537 Ac. Ft. of transmountain and reservoir water run during 1941 on which a carrying charge of 4,472 Ac. Ft. was made.

The total discharge of the Arkansas River at Pueblo was 115 per cent of the average flow for the past 45 years.

There was plenty of water for reservoir filling and practically all were filled with the exception of those of one large system that with met a disaster to their inlet canal and were not able to secure the water due them.

On May 1, 1941, there was a total of 68,680 Ac. Ft. in storage reservoirs divided as follows: For irrigation 54,448 Ac. Ft. For manufacturing purposes 11,041 Ac. Ft., and for municipal use 3,191 Ac. Ft. The average in storage for May 1st for the past 21 years is 169,495 Ac. Ft.

On November 1, 1941, there was a total of 270,526 Ac. Ft. in storage divided as follows: For irrigation 246,664 Ac. Ft. For manufacturing purposes 13,126 Ac. Ft., and for municipal use 10,736

C. W. BEACH

DIVISION ENGINEER OF IRRIGATION DIVISION
NUMBER TWO
504 CENTRAL BLOCK
PUEBLO, COLORADO

M. C. H. #3

Ac. Ft. The average for November 1st is 124,372 Ac. Ft.

Water was abundant during the fall months and a surplus was passed to Kansas.

The Caddoa Reservoir which is being constructed by the U. S. Army Engineers was fifty per cent completed in August, 1941. If nothing happens to stop the work it should be ready for the storage of water by 1943. This will further complicate the administration of the river and will call for more records and more help to secure them.

Hereto attached is a tabulation of the Water Commissioners crop reports and a table giving the amount of water in storage on the first of each month for each of the major reservoirs.

Respectfully submitted,



Division Engineer Irrigation Division No. 2