



STATE OF COLORADO  
IRRIGATION DIVISION NO. 6  
STEAMBOAT SPRINGS

B. T. CHASE  
IRRIGATION DIVISION ENGINEER

July 28, 1949

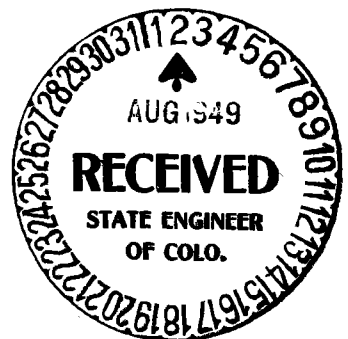
Mr. C. C. Hezmalhalch  
Deputy State Engineer  
Denver, Colorado.

Dear Sir:

Found two copies of my annual report  
for 1948 here in my files, so apparently did  
not previously forward a copy to your office.  
The report is inclosed herewith.

Very truly yours

*B. T. Chase*



Steamboat Springs, Colorado  
November 29, 1948.

Mr. M. C. Hinderlider,  
State Engineer,  
Denver, Colorado.

Dear Sir:

I have the honor to present herewith my annual report for Irrigation Division No. 6, for 1948.

The past season was about average for irrigation water supply. Temperatures were slightly above normal through April and May. Precipitation deficient, April 25 to June 21. June temperatures were normal, while total precipitation was about average for the month. The same conditions continued through July. Temperatures continued above normal for the remainder of the season. These conditions were beneficial to all agricultural activities and most all crops were in good condition and a heavy yield resulted. The average precipitation for April was 1.93 inches, May .07 inches, June 2.20 inches, July 2.0 inches, total of 6.20 inches. A period of 58 days, April 25 to June 21, had only .32 of an inch precipitation.

A heavy runoff from melting snow occurred early in May, and a rapid decrease was noted in stream flow starting early in July. The water supply, however, remained good and above average through the irrigation season. The weather conditions were very favorable throughout the harvesting season. The crops are above average in most sections, with an extra high yield in the dry land grains. The wheat crop, particularly in District No. 57 suffered heavy loss, due to smut.

The hay crop showed above average yield, prices exceptionally good.

Range and pastures improved, but some areas needed more moisture. Additional pasture acreage is being put under irrigation each year, and excellent results obtained thereby.

District No. 43

Reports no reservoirs; however, several small reservoirs were used for irrigation. 103 ditches were reported covering 22,613 acres irrigated, 70% in natural grass and alfalfa. All hay crops were reported an average yield. No severe shortage of water was felt, with the exception of scattered small areas.

District No. 44

Reports 6 reservoirs, total capacity 57,649,919 cubic feet. Used 1352 acre feet for supplemental irrigation and on an additional 352 acres.

73 ditches are reported averaging 276 cubic feet per second diversion for the irrigation of 15,105 acres, 95% in natural grass and alfalfa. Crops reported better than average.

District No. 54

Reports 2 reservoirs, total capacity 18,791,232 cubic feet. 252 acre feet diverted for supplemental irrigation.

44 ditches diverting average 154 cubic feet per second for the irrigation of 7,202 acres, the principal acreage in hay.

District No. 57

14 reservoirs reported, total capacity 149,502,794 cubic feet.

4 reservoirs used for irrigation, capacity 44,232,297 cubic feet.

7 reservoirs used for stock water only, capacity 46,049,580 cubic feet.

3 reservoirs reported unused, out of order. Capacity 59,220,917 cubic feet.

583 acre feet reservoir water used for the irrigation of 525 acres in addition to that reported under ditches.

The water supply on all tributaries is reported less than normal and far short of the demand. The Yampa River is below the average, but sufficient for all demands.

Hay crops above average, small grain heavy yield, wheat crop about 50% loss caused by smut.

58 ditches reported total average diversion 186 cubic feet per second for the irrigation of 12,732 acres, all but 260 acres in hay.

District No. 58.

7 reservoirs reported with total capacity 401,824,442 cubic feet, 2450 acre feet diverted therefrom for supplemental supply to ditches.

299 ditches reported, average diversion 1,173 cubic feet for the irrigation of 57,732 acres, 90% of which is hay land. 991 acres of lettuce and spinach is reported. Vegetable shipments for the year are below the average. The vegetable crop, particularly lettuce and spinach, suffered heavy loss by hail.

Respectfully submitted,

*B. F. Chase*  
Irrigation Division Engineer,  
Division No. 6.

TABULATED STATEMENT OF WATER COMMISSIONERS  
ANNUAL DITCH REPORT FOR THE IRRIGATION SEASON OF 1948

District No.	Number of Ditches Reported.	Amount of appropriation ft. per sec.	Capacity of Ditches Second feet.	First day water used from natural stream.	Last day water used from natural stream.	Average number of days water was carried.
43	103	865.72	1146.00	5-1	10-31	92
44	73	377.33	578.00	5-1	10-1	41
54	44	Omitted		5-15	9-10	41
55 & 56	None					
57	58	301.12	366.00	5-2	10-26	56
58	299	1504.37	1705.25	4-1	11-1	74
7	577	3048.54	3795.25	4-1	11-1	304
						61

District No.	Average daily amount carried in second feet	Number of Acre feet used.	Number of acres that can be irrigated.	Alfalfa	Natural Grasses Timothy & Clover	Cereals
43	526	140,638	22,613	5904	13,360	3349
44	276	35,819	25,675	9170	4,405	1530
54	154	5,260	10,050	870	5,911	395
57	186	33,273	16,073	980	11,221	260
58	1173	167,344	68,982	1410	40,765	3624
Totals	2315	382,334	143,393	18,334	75,662	9158

District No.	Market Gardens.	Potatoes.	Pasture.	Other Crops.	Total Irrigated.
43					22,613
44					15,105
54		26			7,202
57					12,461
58	991	174	10,738	30	57,732
Totals	991	200	10,738	30	115,113

TABULATED STATEMENT OF WATER COMMISSIONER'S ANNUAL  
RESERVOIR REPORTS FOR IRRIGATION SEASON OF 1948.

District No.	Number of reservoirs reported.	Area of high water line acres.	Total capacity cubic feet.	Quantity of water in reservoir May 1st, cu.ft.	Quantity of water in reservoir Nov. 1st, cu.ft.
43	None				
44	6	115	57,649,919	57,649,919	000
54	2	32	18,791,232	9,156,216	3,720,066
55 & 56	None				
57	14	328	149,502,794	96,054,161	000
58	7	342	401,824,442	344,270,295	137,746,757
4	29	817	627,768,387	417,130,591	141,466,823

District No.	First day water was used.	Last day water was used.	Average number of days water carried.	Average daily amount carried cubic feet.	Number of acre feet reservoir water carried.
44	8-1	8-1	39	15.00	1,353
54	7-25	8-7	42	3.00	252
57	6-11	9-5	44	6.90	532
58	7-1	9-21	27	45.47	2,450
Totals	6-11	9-21	<u>152</u> 38	70.37	4,587

District No.	Natural grasses.	Market Gardens.	Potatoes.	Total Irrigated.
44	250	2	1	353
54	Crop and acreage reported under Willow Creek Ditch			
57	525			525
58	All acreage shown on Ditch reports			
Totals	775	2	1	878