

1954

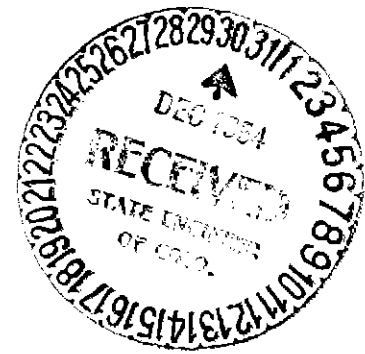
STATE OF COLORADO
IRRIGATION DIVISION NO. 2
PUEBLO

F. C. SNYDER
IRRIGATION DIVISION ENGINEER
BON DURANT BLDG.,
P. O. BOX 1423

SUBJECT:

Nov. 29, 1954

Mr. J. E. Whitten
State Engineer
Denver, Colo.



Dear Sir;

I herewith submit my report for the year 1954 as Division Engineer of Division Number Two.

We are still in more or less temporary quarters in the Bon Durant building since we have been unable to find more spacious and suitable quarters. However, as we have not yet received more furniture and equipment since my last report, we are not too crowded.

We are badly in need of copies of the decrees of this Division. We have photostatic copies of the card index to the decree books in the Denver Office which are a great help but when decrees are questioned the full decree is essential. We also need furniture and equipment badly.

The drought period continues unabated, soil becoming drier, underground waters receding and river channels draining out. Practically no reservoir water is available and there was no storage for the last year except in John Martin Reservoir. Prospects are very poor for any storage this winter.

Snow-fall was very short and run-off was way below normal. There were no general rains over the river basin to help the condition.

There were 15,917 acre feet in John Martin Reservoir on Apr. 1. Release started on April 7, and the reservoir declared empty April 15. It remained empty until July 23, when gates were closed at 7 A. M. for

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a short time. Releases were resumed at 8:30 P. M. with 22,000 acre feet accumulated in reservoir at 7 A. M. July 24th.

This accumulation was caused by good rains on the Purgatoire River starting July 23rd, and continuing from time to time through August. On July 28th, the storage reached 34,700 acre feet which was used down to 21,900 acre feet by Aug. 6th. Accumulations reached a maximum of 39,700 acre feet on Aug. 10th. This was all used up by Sept. 8th, when reservoir was again declared dry. It has been dry since that date. Gates are still open passing the river flow and there has been no storage since the winter storage season started Nov. 1st.

Precipitation for the year at Pueblo was 7.96 inches with the greater monthly amounts registered in May and July. At Las Animas 8.43 inches were reported being about 69 % of the average.

Litigation concerning Beaver Park Company remains about the same as the last report. No public hearings have been had during the last year. Since Attorney McHendrie passed away during the summer, I cannot say what or when action will be resumed.

A resort owner abutting the shore of DeWeese-Dye Reservoir brought action in the District Court to prevent the owners from draining the reservoir for irrigation use. Trial was held for a preliminary injunction and the petition was denied. Later the reservoir company found it necessary to drain all the water for irrigation use and the reservoir was dry October 13th. It is reported very few fish were found.

Trans-mountain diversions totaled 33,142 acre feet or about 16,000 acre feet less than last year. This was partly due to the Western Slope's requirements which shut off these waters about August 3rd, and diversions were not resumed until October 2nd.

Total diversions by canals and ditches amounted to 1,000,127

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acre feet against last years 1,533,264 acre feet or about 1/3 less.

Total acres irrigated were 486,470 out of a possible 728,000 or a headgate diversion of about 2.05 acre feet per acre irrigated.

Storage in reservoirs on Nov. 1st, reached a new low of 49,432 acre feet or 3.7% of capacity, of which only 32,508 acre feet are available for irrigation.

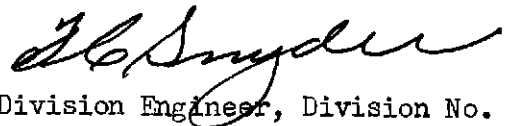
Another Hydrographer in this Division is very badly needed to handle the necessary work. He is especially needed during the time water is being passed down to District No. 67. We could keep down considerable contention between the different interest if more frequent measurements and more timely knowledge were available.

Cooperation between the water officials and water users remains surprisingly good considering the extremely difficult conditions we are experiencing.

Wells, sumps and pumping operations are taking considerable water for irrigation, stock and domestic purposes. Stock ponds and tanks are being built at an increasing pace and literally thousands are now intercepting water from rains and snow which formerly reached the rivers for distribution to decreed ditches. The only relief from this situation will have to come through legislative action.

Crops produced in this Division were about one half the normal with slightly lower prices being obtained.

Respectfully submitted,



Division Engineer, Division No. 2.

CONTENTS of MAJOR RESERVOIRS in IRRIGATION DIVISION No. 2.
Dec. 1, 1953 to Nov. 1, 1954 Values in Acre Feet.

	Dec. 1, 1953	Jan. 1, 1954	Feb. 1, 1954	Mar. 1, 1954	Apr. 1, 1954	May 1, 1954	June 1, 1954	July 1, 1954	Aug. 1, 1954	Sept 1, 1954	Oct. 1, 1954	Nov. 1, 1954
Fountain Valley #2	106	106	220	225	218	151	290	248	229	214	241	283
Fountain Valley #3	31	36	36	36	36	36	29	34	26	32	34	27
Callahan	47	47	47	47	47	47	47	47	47	47	47	47
Monument	225	250	298	247	216	210	216	185	185	214	202	196
Sugar Loaf	5212	5172	5172	5172	5140	5271	6557	7641	6199	5600	5369	5692
Twin Lakes	12918	12953	13126	13388	13564	14161	17063	20962	16891	11340	11289	12779
Clear Creek	696	615	657	599	599	554	384	321	348	330	326	312
Skagway	* 1436	1458	1425	1422	1436	1440	1480	1422	1480	1473	1451	1321
Mt. Pisgah	626	626	626	626	626	626	626	605	605	605	605	605
Brush Hollow	608	683	683	683	751	807	992	652	453	538	538	538
City of Colo Spgs*	2618	2461	2300	1984	1724	1264	1157	827	800	1187	1405	1376
DeWeese-Dye	1738	1770	1818	1778	1818	1628	1674	1097	916	449	169	0
Teller	595		533				361			1460		653
Lake Henry	0	0	5111	5005	4476	2899	1898	976	513	146	0	0
Lake Meredith	0	0	0	0	0	0	0	0	0	0	0	0
Beckwith (Hayden)	319	334	288	252	220	195	198	155	135	119	100	93
Minn. C F & I #2&3*	12929	12191	12745	12218	12332	11264	10717	10297	10453	11682	11617	12003
Color	672	672	641	641	641	621	621	436	365	320	311	271
Cucharas	169	169	100	0	0	0	0	0	0	384	132	0
Huerfano Valley									69	61	0	0
Dotson	0	0	0	0	0	0	0	0	0	0	191	170
Dye	0	0	0	0	0	0	0	0	0	0	0	0
Holbrook	223	640	1776	1665	1532	1350	367	0	0	0	0	0
Horse Creek	0	0	0	0	0	0	0	0	0	0	0	0
Adobe	0	0	0	0	0	0	0	0	0	0	0	0
Seven Lakes	0	0	0	0	0	0	0	0	0	0	491	491
Model	703	1398	1658	1658	598	0	860	432	1545	1658	1447	1358
Hermosa	0	0	0	0	0	0	0	0	0	0	0	250
North Lake	* 788	708	626	578	479	578	761	897	897	897	831	853
Monument Lake	*		1200	1184	1028	1028	1105	1150	1184	1184	1028	1028
Neenosee, NeeGranda & Sopah	0	0	0	0	0	0	0	0	0	0	0	0
Nee Skah or Queen	0	0	0	0	0	0	0	658	4510	9909	10036	9909
Two Buttes	9782	9591	9464	10036	9909	8956	4464	0	0	0	0	0
Thurston	0	0	0	0	1970	1612	1407	1264	0	0	0	0
John Martin	1176	6526	10987	13754	15938	0	0	0	32197	11369	0	0
Totals	53617	58406	71537	73198	75298	54698	53274	50306	80047	61218	47860	50255
Mun. Mnfg & Power	18443	17490	18937	18027	17640	16195	15841	15029	15179	16743	16643	16852
Irrigation	35174	40916	52600	55171	57658	38503	37433	35277	64868	44475	31217	33403

TRANS-MOUNTAIN DIVERSIONS
Irrigation Division No. 2.

1 9 5 4

MONTH	COLUMBINE	EWING	WURTZ	BUSK-IVANHOE	TWIN LAKES TUNNEL	LARKSPUR	TOTALS
Nov. 1953					209		209
Dec. 1953					162		162
Jan. 1954					120		120
Feb.					105		105
Mar.					112		112
Apr.		33	2		841		876
May	451	217	652	1468	10684		13472
June	323	157	251	1247	10452		12430
July	73	86	52	522	4738		5471
Aug.		5			166		171
Sept.							0
Oct.				202	1538		<u>1740</u>
					Totals		34868

ALL quantities in Acre Feet.

TABULATION of WATER COMMISSIONER'S ANNUAL REPORTS
For the Irrigation Season of 1954 .

IRRIGATION DIVISION No. 2.

Dist. No.	First day water was used from natural stream	Last day water was used from natural stream	Number Acre Feet water used by canals for Season	Total Number Acres Irrigated 1954
10	Nov. 1, 1953	Oct. 31, 1954	25,360	13,809
11	Nov. 1, 1953	Oct. 31, 1954	100,816	22,296
12	Nov. 1, 1953	Oct. 31, 1954	227,145	13,464
13	Apr. 2, 1954	Oct. 30, 1954	16,658	11,284
14	Nov. 1, 1953	Oct. 31, 1954	142,352	106,811
15	Nov. 1, 1953	Oct. 30, 1954	5,797	3,628
16	Nov. 1, 1953	Oct. 31, 1954	31,372	56,493
17	Nov. 1, 1953	Oct. 31, 1954	264,960	158,491
18	Apr. 21, 1954	Jun. 12, 1954	1,056	965
19	Nov. 1, 1953	Oct. 31, 1954	61,077	26,407
49	Apr. 15, 1954	Oct. 30, 1954	9,117	1,450
66	Mar. 1, 1954	Sept. 8, 1954	802	365
67	Nov. 1, 1953	Oct. 31, 1954	<u>113,615</u>	<u>71,007</u>
		Totals	1,000,127	486,470