

1102

F. C. SNYDER  
DIVISION ENGINEER OF IRRIGATION DIVISION  
NUMBER TWO  
504 CENTRAL BLOCK P. O. BOX 1423  
PUEBLO, COLORADO



Pueblo, Colo.  
Nov 29, 1952

State Engineer  
Denver, Colo.

Dear Sir;

Please complete my report by adding the following figures in the proper place on page 3.

" Total diversion s by canals and ditches which ~~were~~ served ~~by~~ 478,991 acres were 1,638,392 acre feet or 3.42 acre feet per acre irrigated."

Thank you,

Yours truly,

*Please attach tabulations inclosed.*

F. C. SNYDER

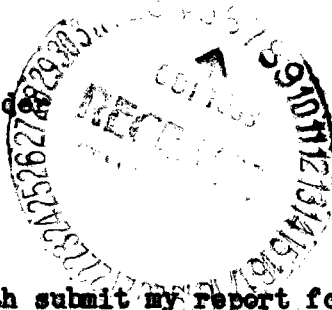
DIVISION ENGINEER OF IRRIGATION DIVISION

NUMBER TWO

504 CENTRAL BLOCK P. O. BOX 1423  
PUEBLO, COLORADO

Nov. 24, 1952

Mr. M. C. Hinderlid  
State Engineer  
Denver, Colo.



Dear Sir;

I herewith submit my report for the year of 1952 as Division Engineer of Irrigation Division No. Two.

As the two preceding years were below normal in precipitation the moisture content of the soil was more deficient and the storage in reservoirs increasingly shorter. There were only a few days of general storage during the winterleaving the reservoirs with comparitively short supplies. However, snowfall at the headwaters of the Arkansas River was much above the average and promise of a good run for the coming season led them to believe they would undoubtedly fill. This caused an excess use of this water early to empty and make room for the anticipated filling. The run-off started early due to warm weather arriving in April, then a cold May retarded the flow until June when we managed to fill some of the earlier decreed reservoirs but had nothing for some of the later ones.

The rains usual during the summer arrived only in very small quantities and number, leaving the river entirely dependant on the snow run-off which held the river at a very good stage until late in the season, but not getting any help from rains the more junior ditches were hard hit.

Reservoir water from the mountain reservoirs was used

and where available, good crops were the rule.

The John Martin reservoir was declared dry on June 1st and caused an added burden on the river by having to pass water to furnish ditches in district 67. It was decided to try and maintain a fish pool of about 1170 acre feet and although we held the quantity between 800 and 2200 acre feet at the extreme, it being impossible under the present set up of authorities and physical conditions to maintain exactly 1170 acre feet, it was unsatisfactory to some of the ditches below the reservoir and the pool was drained on Aug. 28th at the request of some of the ditches below the dam and on orders of the Compact Administration. This draining was accomplished in about 8 hours. The river flow was then allowed to run directly thru until Nov. 1st when the Compact Administration took over control again for possible storage of winter water. There is now a small quantity of water in storage, around 1000 acre feet. The prospects are not very good for any considerable amount being stored this winter.

Storage in the Division's reservoirs is at a new low, there being only 67835 acre feet of which 20392 acre feet are, municipal, manufacturing and power. Leaving only 47443 acre feet available for irrigation, or about 4.2% of capacity against 10% of capacity last year.

Precipitation at Pueblo was about 85 % of normal for the year, about 50% at Las Animas and 40% at John Martin Dam.

There was very little hail this year and crop damage from this source was small. The lack of rains during the haying season permitted the curing of this crop with small loss. Prices were high and profits should have been very good.

(3)

Litigation concerning the Beaver Park Company's case is still in the hands of the court and under it's injunction. They stored and used the creek flow at their own convinence, and ended the season with only 413 acre feet in storage. A cold wet spell during the blossoming period prevented fertilization of fruit buds and another dry season curtailed production under this project seriously.

Trans-mountain diversions amounted to 63,176 acre feet which was a new high for the amount brought over.


Total diversions by canals and ditches which served 478,991 acres were about 1,638,392 acre feet, or about 3.42 acre feet per acre irrigated.

Generally, cooperation was excellant between users and water officials and much appreciated by the Division Engineer.

Tabulation of reservoir contents, trans-mountain diversions and summary of Water Commissioner's reports of ditches are attached.

With thanks for the cooperation of the Denver office and its officials,

Respectfully submitted,

  
Division Engineer, Irrigation  
Division Number Two.

TRANS - MOUNTAIN DIVERSIONS  
Irrigation Division No. 2.  
1952

MONTH	COLUMBINE Acre-Feet	EWING Acre-Feet	WERTZ Acre-Feet	BUSK-IVANHOE Acre-Feet	TWIN LAKES Acre-Feet	LARKSPUR Acre-Feet	TOTALS Acre-Feet.
Nov.					309		309
Dec.					226		226
Jan.					282		282
Feb.					154		154
Mar.					151		151
Apr.					516		516
May		361	523	1293	6913	14	9104
June	815	1054	1975	1454	25301	341	30940
July	164	225	303	1508	11640	71	13911
Aug.	45	112	149	617	4408	0	5331
Sept.	0	79	23	65	1380		1547
Oct.		22		235	448		405
Totals	1024	1853	2973	5172	51728	426	63,176

TABULATION of WATER COMMISSIONER'S ANNUAL REPORTS  
for the Irrigation Season 1952.

IRRIGATION DIVISION No. 2.

Dist. No.	First day water was used from natural stream.	Last day water was used from natural stream.	No. acre feet water used by canals for season.	Total number acres can be irrigated.	Total acres that was Irrigated.
10	Nov 1st	Oct 31st	25,304	16,506	5,590
11	Mar 16,	Oct 31st	190,163	37,707	26,910
12	Nov 1st	Oct 31st	240,193	27,226	20,582
13	Apr 7th	Oct 31st	50,123	24,899	24,691
14	Nov 1st	Oct 31st	250,668	116,936	106,831
15	Mar 1st	Oct 30th	14,015	10,162	5,852
16	Jan 1st	Oct 31st	76,309	57,216	40,051
17	Nov 1st	Oct 31st	503,493	250,452	160,258
18	Apr 6th	July 10th	11,011	6,950	3,450
19	Nov 1st	Oct 31st	61,976	71,242	10,336
49	May 18th	Oct 31st	8,888	2,310	1,890
66			411	1,210	180
67	Nov 1st	Oct 31st	205,838	88,270	72,370
Totals			1,638,392	711,086	478,991

CONTENTS of MAJOR RESERVOIRS in IRRIGATION DIVISION No. 2.

Dec. 1st 1951 to November 1st 1952.

Values in Acre Feet.

	Dec. 1,	Jan. 1,	Feb. 1,	Mar. 1,	Apr. 1,	May 1,	June 1,	July 1,	Aug. 1,	Sept 1,	Oct. 1,	Nov. 1,
Fountain Valley #2	151	362	1319	1722	1912	1928	1879	769	203	203	151	205
Fountain Valley #3	23	23	23	23	23	24	27	27	27	27	27	27
Spring Run	90	121	192	223	248	172	186	63	42	37	151	157
Callahan	40	40	64	64	64	85	111	74	56	47	56	47
Monument	180	182	205	205	241	391	321	190	190	202	202	199
Sugar Loaf	8935	8994	9266	9266	9273	4015	5205	16278	11285	6282	4924	5042
Twin Lakes	20436	21328	22185	22166	21658	15573	19622	50291	44400	27440	23515	23649
Clear Creek	4069	4225	4581	4562	4581	463	675	7410	3427	509	531	544
Skagway	573	587	617	617	640	713	1884	2658	2533	2452	2421	2382
Mt. Pisgah	482	482	487	516	524	524	487	837	837	837	837	837
Brush Hollow	608	608	662	672	735	1263	2053	1659	873	561	565	413
City of Colo. Springs	1848	1752	1580	1497	1473	1517	2807	5345	5233	5306	5032	4806
DeWeese-Dye	692	958	1495	1396	1396	1706	1918	3887	3628	3235	2414	2180
Teller	923	923	923	802	755	719	669	563	495	374	371	302
Lake Henry	0	4370	6359	5985	5659	4270	2190	814	0	0	0	0
Lake Meredith	0	0	0	0	0	0	0	0	0	0	0	0
Beckwith (Hayden)	274	133	252	386	382	382	378	661	598	568	466	425
Lake Minnequa	*1313	1309	1295	1271	1253	1295	1116	971	906	845	777	752
C. F. & I. No. 2	*2665	2639	2728	2721	2723	2741	2670	2714	2579	2647	2697	2701
C. F. & I. No. 3	*8560	7677	7893	8113	7599	8721	7803	7467	7989	7161	6779	7395
Celer	0	0	0	0	0	0	602	1831	1402	1325	1259	948
Cucharas	40	40	80	180	120	1056	1594	1498	0480	892	595	50
Huerfano Valley	225	225	0	0	0	324	521	324	202	251	152	124
Holita	0	0	0	0	0	0	50	50	50	0	0	0
Dotson	0	0	0	0	0	0	0	0	0	0	0	0
Dye	1718	1682	1682	1623	1549	1547	1108	1064	0	0	0	0
Helbrook	500	1034	2965	3225	4220	3015	1742	1410	170	16	0	0
Horse Creek	None available	0	0	0	0	0	0	0	0	0	0	0
Adobe	9299	9109	8900	8653	8254	7926	6861	5637	0	0	0	0
Seven Lakes	0	0	0	0	0	0	0	0	0	0	0	0
Model	0	664	598	703	288	215	664	0	0	0	0	0
Hermosa	N R											
North Lake	* 831	788	761	708	677	870	875	897	897	897	897	821
Monument Lake	*1121	1144	1144	1144	1144	1225	1535	1535	1535	1535	1535	1535
Nee No Shee, Grond,	Sep 20947	20947	20069	17436	17436	18095	9185	13215	No Cage	3403	3403	1435
Nee Skah (Queen)	2245	2245	4317	5143	5143	5247	5040	5677	3925	3244	1900	Below gas
Two Buttes	30744	29666	27604	27495	27441	25325	25751	20083	15874	15509	14234	12394
Thurston	1300	1586	1651	1830	1816	1664	1125	980	No Cage	0	0	0
John Martin	28874	34285	41745	47570	46333	27961	1125	1289	1423	0	0	0
Totals	149726	160148	173394	177723	175564	140972	110564	158158	111259	85505	74371	69370
Municiple, Manufacturing & P.	15896	16018	16071	15509	15900	18690	21587	21672	20843	20138	20392	