

STATE OF COLORADO

IRRIGATION DIVISION NO. 2

PUEBLO

Nov. 28, 1960

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

SUBJECT:

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

Dear Sir:

I herewith submit my report as Division Engineer of Division No. 2 for the year 1960.

We had another very good year due to a steady but not too high snow run-off and a good supply of carry-over and winter storage water. There were very few rains which covered only limited areas producing no floods of any size except in local areas. Early snows in September and October put the ground in good condition and maintained a good winter flow in the streams. The spring run-off was steady and not high enough for late decrees or storage.

Precipitation for the year at Pueblo was 11.48 inches which was very near the long time average. Rainfall during the late summer was practically nil. The Pueblo weather station reported no rain for a period of 52 days from July 18, to September 8, 1960. This condition was general over the entire division. Reservoir water where available was used to fill this deficiency in rainfall.

With the exception of John Martin reservoir, we had a fair carry-over of storage water. A good addition of water during the winter of 138,884 acre feet raised the stored amount of 116,863 acre feet as of Nov. 1, 1959, to 245,747 acre feet by May 1, 1960. This was used down to 61,438 acre feet as of Nov. 1, 1960, showing a use of 184,309 acre feet of reservoir water. We go into this winter with only 61,438 acre feet, one of the lowest carry-over in recent years.

Trans-Mountain diversions delivered 54,082 acre feet which was about an average amount. The Western Slope demanded the water from the middle of August to Nov. 5, but very little was available during this period.

John Martin reservoir was dry on Nov. 1, 1959, when the gates were closed <sup>the</sup> for winter storage period. On April 1, 1960, there had accumulated 47,761 acre feet. The gates remained closed until April 23 when this storage had reached 56,860 acre feet. Steady depletion progressed until the reservoir was declared dry at 6 a. m. on May 29th. Rains of July 5, made water available for storage and gates were partially closed at 12 a. m. July 6, and demands were satisfied until the reservoir was again dry sometime before 8 a. m. July 12th. Rains again allowed adjustment of gates to store excess water over demands at 9 p. m. July 13, and the reservoir was emptied at 3 p. m. July 17, 1960. The reservoir remained empty for the balance of the season and the river was administered on decrees. The gates were not closed on Nov. 1, 1960, as usual because the ditches in Colorado demanded the 100 sec. ft. of river flow which they are entitled to as domestic and stock water. Gates remain open to this date.

*Denver & Rio Grande Western*  
The D. & R. G. Railroad constructed a pipeline from Graneros Creek to their station of Cedarwood to supply industrial water under a 1911 filing. This construction was completed about 1913. They never applied for a decree although several opportunities were presented, one as recent as 1942. About two years ago the Fosseco Brothers bought the railroad land on which the headgate is located and they also bought the pipeline. They then started diverting the entire flow of the stream at the headgate for domestic and irrigation use. The water users with prior decrees

objected and the Water Commissioner was ordered to shut off the diversion. After numerous closings and unlawful openings during 1959 and again in 1960, Floyd Fosseco broke the lock and diverted the water in the presence of the Water Commissioner and two witnesses. Charges were filed by the District Attorney and trial was held before a jury in Justice Court. The defendant admitted the breaking of the lock and the diversion of the water and was found not guilty by the jury. The injured parties have placed the case in the hands of an attorney as a civil case.

The Beaver Park case is still in doldrums with the Arkansas Valley Ditch Association attorney trying for an agreement out of court. The Beaver Park people cannot get anything more favorable by agreement than they now have so they do not care to negotiate.

The Highline Canal Co., has completed the work scheduled on the Busk-Ivanhoe Tunnel project and should be able to divert much more water than heretofore if available.


The channel between Twin Lakes needs to be widened and lowered to make more of the upper lake water available. The reservoir was reduced to its lowest level in September, or to 7,100 acre feet, as a result of work done on the outlet channel last fall.

The distribution of water in Division No. 2 for the year was 1,581,031 acre feet to a total of 503,564 acres of land, or 3.14 acre feet of water per acre of land irrigated.

Tables of transmountain diversions, reservoir storage by months, acres irrigated and water used are attached hereto.

I wish to thank the Denver office, the Water Commissioners and their Deputies for their cooperation the past season.

Respectfully submitted,

  
Division Engineer, Div. No. 2.

TABULATION of WATER COMMISSIONER'S ANNUAL REPORTS.  
for IRRIGATION SEASON of 1960.

IRRIGATION DIVISION No. 2.

Dist. No.	First day water was used from natural stream	Last day water was used from natural stream	Number of acre feet water used by canals for season	Total number acres irrigated 1960.
10	Nov. 1, 1959	Oct. 31, 1960	31,692	1115, 11, 115
11	Nov. 1, 1959	Oct. 31, 1960	155,965	27,093
12	Nov. 1, 1959	Oct. 31, 1960	347,026	21,299
13	Nov. 1, 1959	Nov. 1, 1960	40,729	19,909
14	Nov. 1, 1959	Oct. 31, 1960	246,269	127,823
15	Nov. 1, 1959	Oct. 31, 1960	30,238	4,280
16	Nov. 1, 1959	Oct. 31, 1960	69,119	43,514
17	Nov. 1, 1959	Oct. 31, 1960	421,136	157,227
18	Nov. 1, 1959	Oct. 31, 1960	9,186	4,905
19	Nov. 1, 1959	Oct. 31, 1960	97,036	19,025
66	Nov. 1, 1959	Oct. 31, 1960	1,054	490
67	Nov. 1, 1959	Oct. 31, 1960	131,581	76,884
Totals			1,581,031	503,564, 513,564

TRANS-MOUNTAIN DIVERSIONS  
Irrigation Division No. 2.

1960

Month	in acre feet.						Totals.
	Columbine	Ewing	Wurtz	Busk-Ivanhoe Tunnel	Twin Lakes Tunnel	Larkspur	
Nov. 1959				368			368
Dec. 1959				132			132
Jan. 1960				74			74
Feb.				78			78
Mar.				84			84
Apr.		14	18	488			520
May	220	294	712	506	6536	40	8308
June	1708	828	1342	3878	24980	30	32766
July	282	196	156	542	8594		9770
Aug.	12	28	8	416	1518		1982
Sept.							
Oct.							
Totals	2222	1360	2236	5342	42852	70	54082

CONTENTS of MAJOR RESERVOIRS in IRRIGATION DIVISION No. 2.  
 Dec. 1, 1959 to Nov. 1, 1960. Values in Acre Feet.

	Dec. 1	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	June 1	July 1	Aug. 1	Sep. 1	Oct. 1	Nov. 1
Fountain Val.#2	3554	2570	3171	4570	5373	5076	4822	4344	3514	1846	1470	1433
Fountain Val.#3	70	77	71	71	405	324	291	206	133	64	51	44
Monument Res.	225	289	237	340	447	438	442	442	429	408	387	375
Sugar Loaf	2977	2917	3038	3218	3675	2995	6660	11819	11476	6729	6488	6419
Twin Lakes	9978	9838	10106	10863	11937	10696	14541	37626	34506	13196	7230	7276
Clear Creek	7875	7872	8065	8215	8558	8569	9812	11232	11223	5619	5143	5069
Mt. Pisgah	568	636	774	924	1613	1783	1783	1783	1773	805	750	750
Skaguay	1570	1283	1087	1033	1801	2238	2690	2690	2647	2247	2000	2247
Brush Hollow	1929	2149	1869	1909	1839	2374	2540	3293	1406	767	351	338
City of Colo Spgs	3805	3989	3856	3864	3721	3766	4157	4621	4736	4210	4435	4206
Deweese-Dye	580	562	1041	1935	4794	4690	4378	3912	3397	2433	1944	1884
Teller												
Lake Henry	1122	733	9307	8184	10032	8970	8063	6657	5249	3087	2251	1898
Lake Meredith	0	0	653	13892	26153	25125	15236	5716	3442	0	0	0
Beckwith(Hayden)	717	672	672	694	939	939	898	833	783	711	650	629
C F & I Res.	12160	11880	10537	11063	12359	12072	12397	11886	11645	10357	9302	10506
Color	1259	1246	1421	1533	2071	2121	2121	2071	2039	1605	1591	1448
Cucharas	772	700	700	1294	2986	2890	1615	1362	1090	901	1504	1615
Huerfano Valley	0	0	0	0	236	236	556	266	214	214	214	225
Holita	0	0	67	67	67	67	67	27	27	10	0	0
Dotson	0	0	0	0	300	246	187	0	201	201	0	0
Dye	0	0	0	0	3506	3206	1682	0	0	0	0	0
Holbrook	0	0	3015	5483	5483	5370	4959	1760	1084	0	0	0
Horse Creek	0	0	0	0	0	2698	2312	1251	1830	0	0	0
Adobe	0	0	0	0	0	0	0	0	0	0	0	0
Model	336	2112	2630	3672	5426	4333	1998	1545	0	0	0	0
North Lake	116	116	106	96	97	133	152	151	152	143	142	152
Monument Lake	1350	1350	1184	1106	1105	1166	1184	1150	1105	1105	1105	1105
Neenoshae Nee												
Gronda & Sopha	50466	50466	50466	50466	51534	50466	48864	48073	41005	5239	1657	227
Nee Skah (Queen)	4731	4731	4834	4937	8190	11174	10317	9423	8919	5785	1556	3827
Two Buttes	8321	8200	8004	8000	19227	19860	12897	10163	8893	9147	8385	5214
Thurston	17714	2335	2005	1802	1586	1496	1722	1638	1470	1359	960	1044
John Martin	6223	10016	13470	21944	48051	50260	0	0	0	0	0	0
Totals	121478	126739	142386	171175	243511	245747	179343	184910	164388	78188	69866	61438
Mun. Wtrfg. & Power	28135	27736	26356	26910	29712	30065	32513	33801	33547	25286	23718	24733
Irrigation	93343	99003	116130	144265	213799	215682	146830	151109	130841	52902	37148	36705