WATER YEAR 1971

ANNUAL REPORT

DIVISION NO. 6

I. Introductory Statement

Division No. 6 encompasses the Northwestern corner of Colorado including the North Platte, Yampa, Green, Little Snake and White River Drainage Basins. Elevations range from 14,000 feet in the Eastern portion to around 5,000 feet in the west including rugged mountains, irrigated valleys, farmed mesas, desert ranges and the beautiful canyon country of the Yampa and Green River. The annual precipitation varies from 7 inches annually in the western winter ranges to over 40 inches in the high mountains with about 20 inches in the crop producing portions of the Division.

The bulk of the precipitation is in the form of snow during the winter months with some areas having summer precipitation enough to support small grains and some dry land hay.

Most of the irrigation is on mountain meadows producing hay and irrigated pasture. This acreage is approximately as follows for the various drainages: Yampa River 100,000 acres, White River 37,000 acres and 120,000 acres for the North Platte drainage. The dry farming in the North Platte drainage is practically non existant due to the short growing season and a minimum elevation of over 8,000 feet.

The dry crop acreage in the Yampa drainage is approximately 131,000 acres with 17,000 acres of dry crop land in the White River drainage.

The bulk of the dry crop land is planted to wheat, oats, and barley. The dry land is generally summer fallowed which for the most part means only 50 per cent of the land is in production annually.

The population in Division No. 6 is sparse with most of the population being in Craig, Steamboat Springs and Meeker. The most rapid increase in population is in the Steamboat area with the others showing a small steady increase.

The increase in subdivision development in Routt County has raised questions about the availability of water. The County Planning Commission requires each developer to make an assessment of the water supply, including test drilling.

The major industry in the Division is still agriculture, mainly livestock production. Recreation is becoming a more lucrative occupation, with the Steamboat Springs area and upper White River being the hub of this activity at the present. The ski resort at Steamboat Springs is the main attraction, however, the summer recreation is also becoming increasingly important through out the Division.

A steam generating development utilizing huge coal deposits is in production at the Colorado-Ute Hayden Plant. This probably constitutes the largest industrial growth potential with 5 or 6 such plants being studied for the White and Yampa drainages. Public Service of Colorado at the present time freights from three strip mines to their East Slope plants.

Most of the water projects in operation at the present are small irrigation reservoirs with a few recreation reservoirs being built by the Colorado Game and Fish Department.

The Savory-Pot Hook Project, a joint Colorado-Wyoming project on the Little Snake River Drainage, has been authorized and the advanced plans are near completion. Congress has not provided funds to start construction.

II. Personnel

A.

NAME	POSITION	DISTRICT	MONTHS WORKED	MONTHS BUDGETED	MILEAGE
Wesley E. Signs	Division Engineer				
John M. Dumeyer	Asst. Division Engineer				
W. Kent Holt	Hydrographer				
Linda L. Fox	Secretary				
Clarence Johnson	Water Commissioner 1	43	8	6	11325
Russell Thompson	Deputy Water Commissioner	43	4	2	9091
Roy D. Steffen	Water Commissioner 1	44	8	5	10798
Neil Black	Water Commissioner 1	47	5 1/2	1	2272
Samuel Ray	Deputy Water Commissioner	47	1	3	268
Donald C. Gilroy	Water Commissioner 1	54	5	6	5203
Jack Leonard	Water Commissioner 1	55-56	3	9	5899
James E. Sellers	Water Commissioner 1	57	7	7	8315
Charles Gregory	Water Commissioner 1	58	7 1/2	8	7065
Billy Milner	Deputy Water Commissioner	58	5	3	2345
R. Wayne Light	Water Commissioner 1	58	8 1/2	8	7474
George Franklin	Engineer Technician	47	4 1/2	8	

70055

III. Water Supply

A. The snow pack was substantially above normal in all of the drainages with the May 1 averages as follows:

Watershed	Per Cent of Average
Elk River	142
North Platte River	135
White River	117
Yampa River	141

The snow melt was slow and the rivers were relatively high for a long period but there was no extensive flooding as was feared considering the size of snowpack.

B. The summer precipitation was a record low throughout the Division. However, stream flow was not severely depleted due to the high winter precipitation. Near normal precipitation in September and October closed out the irrigation season.

C. High flooding conditions were expected during snow melt because of the above average extent of the snowpack. Actually, near flood conditions existed during an extended period but actual damage was limited.

Most of the flooding is usually limited to low flood plains along the lower White and Yampa Rivers. Occasionally a situation exists in late winter that is caused by a thaw and is followed by ice jams which cause flooding and extensive damage. So far this has been limited to the lower reaches of White River and the lower portion of the Little Snake River.

III. Water Supply

D. Water Budget

DRAINAGE BASIN	WATER YEAR	DRAINAGE AREA (SQ.MI.)	IRRIGATION DIVERSIONS (A.F.)	IRRIGATION CONSUMPTIVE USE (A.F.)	SURFACE OUTFLOW (A.F.)	BASIN YIELD (A.F./SQ.MI.)
Yampa River at Maybell	1970	3,400	300,000	185,000	1,350,000	450
	1971		325,000	200,000	1,470,000	490
Little Snake River at Lily Park	1970	3,700	36,000	24,000	520,000	150
	1971		24,000	21,000	650,000	180
White River near Watson, Utah	1970	4,000	250,000	76,000	564,000	160
	1971		290,000	74,000	531,000	150
North Platte River at Northgate	1970	1,400	134,000	240,000	390,000	450
	1971		248,000	240,000	400,000	460

Note: There are no significant municipal or industrial uses in the Division.
Outflow data from U.S. Geological Survey.

E. Ground water comprises a minor part of the water resources of Division 6, used mainly for domestic supplies. Aquifers which have been tapped are the Quaternary alluvium with thickness of less than 50 feet and general yields of less than 100 gpm and the Mesa Verde Formation with a great thickness but yields of less than 50 gpm. Aquifers with potential for development are the Browns Park, Green River, North Park and Coalmont Formations. Potential ground water development will be mainly for domestic, municipal, and oil-shale industrial uses.

F. Transmountain Diversions

Structure	Source	Recipient	Amount	Remarks
Cameron Pass Ditch	Michigan River		0	to be used in
North Michigan Ditch	Michigan River		0	1972 by Ft.Collins
Four Counties Ditch # 1	Fish Creek		0	sold to Sproul Inc. Colo. Spgs.
Sarvis Ditch	Service Creek		0	
Stillwater Ditch	Yampa River	Stillwater Ditch & Res. Co.	1079	

VII. Water Supply

G. Reservoir Storage

DISTRICT	NAME OF RESERVOIR	SOURCE	NOV. 1	MAY 1	OCT. 31
54	Gold Blossom Reservoir	Gold Blossom Creek	Dry	washed out	
54	Elk Lake Reservoir	Willow Creek	Dry	400.	Dry
54	Skunk Creek Reservoir	Skunk Creek	Dry	Not used	
56	Offield Reservoir	Pot Creek	40.0 A.F.	64.0 A.F.	64.0 A.F.
56	Ainge Reservoir	Flynn Spring	Dry	3.0 A.F.	.5 A.F.
56	Bassett Reservoir	Pablo Springs	Not Used	Not Used	Not Used
56	T.W. Blevins Reservoir	Spring Trib. Vermillion Cr.	3.5 A.F.	4.0 A.F.	4.0 A.F.
56	Dry Lake Reservoir	Pot Creek	9.0 A.F.	7.0 A.F.	18.4 A.F.
56	Massey Reservoir	Flynn Spring	10.0 A.F.	14.0 A.F.	6.0 A.F.
56	Haunted Spring Reservoir	Haunted Spring Gulch	Dry	8.83A.F.	0 A.F.
57	Basin Reservoir	Buchanan Gulches	Dry	← Not Used	→
57	Brock Reservoir	Brock Gulch	--	--	--
57	Coverston Reservoir (conditional)	Wolf Creek	--	--	--
57	J.C. Temple No. 2 Reservoir	Dry Creek	Washed out	← Not Used	→
57	Emrich Reservoir	Emrich Gulch	--	421.00 A.F.	421.00 A.F.
57	J.C. Temple Reservoir No. 1	Temple Gulch	221.20 A.F.	553.00 A.F.	Dry
57	Greasewood Flats Reservoir	Dill Gulch	Dry	24.80 A.F.	Dry
57	Nofstger Reservoir	Grass Creek	Dry	← Not Used	→
57	Nofstger Zeigler Reservoir	Grass Creek	--	← Not Used	→
57	Whetstone No. 3 Reservoir	Blamey Gulch	--	--	--
57	Scotchman's Gulch Res. No. 1	Grass Creek	--	--	--
57	Scotchman's Gulch Res. No. 2	Grass Creek	--	--	--
57	Morgan Creek Reservoir No. 1	Morgan Creek	131.64 A.F.	250.00 A.F.	Dry
57	Elmer Reservoir	Morgan & Elmer Creek	--	--	--
57	Schaffermeyer Reservoir No. 1	Fiske Creek	--	--	--
57	Schaffermeyer Reservoir No. 2	Fiske Creek	--	--	--
57	Schaffermeyer Reservoir No. 4	Fiske Creek	--	--	--
57	Marie Elmer Reservoir No. 2	Matt Creek	--	--	--
57	Marie Elmer Reservoir	Matt Creek	--	---	--
57	Schaffermeyer Reservoir No. 3	Morgan Creek	--	--	--
57	Dawson Reservoir D	Sage Creek	Washed out	← Not Used	→
57	Dawson Reservoir B	Sage Creek	Washed Out	← Not Used	→
57	J.B. Dawson Reservoir No. 2	Sage Creek	Washed out	← Not Used	→
57	J.B. Dawson Reservoir No. 1	Sage Creek	Washed out	← Not Used	→

DISTRICT	NAME OF RESERVOIR	SOURCE	NOV. 1	MAY 1	OCT. 31
57	Sage Creek Reservoir	Sage Creek	263.50 A.F.	812.93 A.F.	81.29 A.F.
57	Gambill & Dunaway Reservoir	Sage Creek	Washed Out	--	--
57	Sheriff Reservoir	Trout Creek	271.10 A.F.	986.50 A.F.	226.40 A.F.
57	Twenty Mile Reservoir-cond'l.	Fish Creek	--	--	--
57	J.O.K. Reservoir NO. 1,2,3	West Fish Creek	--	--	--
57	Seaton Reservoir	Middle Fish Creek	10.40 A.F.	12.48 A.F.	Dry
57	Yoast Reservoir No. 1,2	Yoast Creek	Dry	6.85 A.F.	Dry
57	J.M. Yoast Reservoir	Yoast Creek	30.12 A.F.	301.27 A.F.	Dry
57	Apple Reservoir	Dry Creek	Dry	10.72 A.F.	Dry
57	Eckman Park Reservoir No. 1	Foidel Creek	--	--	--
57	Eckman Park Reservoir No. 2	Foidel Creek	--	--	--
57	Eckman Park Reservoir No. 3	Foidel Creek	--	--	--
57	Whetstone Reservoir	Whetstone Creek	23.76 A.F.	23.76 A.F.	23.76 A.F.
58	Fish Lake Reservoir No. 2	Wheeler Creek	261. A.F.	261. A.F.	261. A.F.
58	Alma Baer Reservoir	Fish Creek	2.5 A.F.	2.5 A.F.	0 A.F.
58	Fish Creek Reservoir	Fish Creek	1175.4 A.F.	1175.4 A.F.	1175.4 A.F.
58	Long Lake Reservoir	Fish Creek	350. A.F.	395. A.F.	200. A.F.
58	Stokey Storage Reservoir	Soda Creek	Dry	← Not Used →	
58	Reynolds Reservoir	Bruce Creek	Dry	← Not Used →	
58	Bison Park Reservoir	Lawson Creek	Dry	← Not Used →	
58	Milk Creek Reservoir	Milk Creek	Dry	← Dry →	
58	Osborn Reservoir	Raspberry Creek	← Dry →		
58	Sarvis Timber Co. Flume	Sarvis Creek	← Dry →		
58	Stukey Spring Reservoir	Spring Creek	← Dry →		
58	Stukey Distribution Res.	Spring Creek	4. A.F.	5. A.F.	5. A.F.
58	Wheeler Reservoir	Wheeler Creek	37. A.F.	37. A.F.	37. A.F.
58	Whitney Nelson Reservoir	Whipple Creek	4. A.F.	4. A.F.	0 A.F.
58	Martin Reservoir	Yellow Jacket Creek	Dry	80. A.F.	0 A.F.
58	Lee Reservoir	Chimney Creek	Dry	20. A.F.	0 A.F.
58	Peavy Reservoir	Smith Creek	Not Built		
58	Sandelin Reservoir No. 1	Big Creek	2.5 A.F.	2.5 A.F.	2.5 A.F.
58	Sandelin Reservoir No. 2	Big Creek	7.0 A.F.	7.0 A.F.	7.0 A.F.
58	Sandelin Reservoir No. 3	Big Creek	6.8 A.F.	7.0 A.F.	7.0 A.F.
58	Murphy Reservoir	Cottonwood Creek	← Not Built →		
58	May Reservoir	Salt Creek	Dry	31.03 A.F.	31.03 A.F.
58	Trull Creek Reservoir	Trull Creek	Dry	150. A.F.	0 A.F.
58	French Reservoir	Jack Creek	7.0 A.F.	Empty-won't hold water	
58	LaForce Reservoir No. 1	Jack Creek	2.0 A.F.	2.0 A.F.	2.0 A.F.
58	LaForce Reservoir No. 2	Jack Creek	6.0 A.F.	6.0 A.F.	6.0 A.F.
58	LaForce Reservoir No. 3	Jack Creek	6.0 A.F.	6.0 A.F.	6.0 A.F.

DISTRICT	NAME OF RESERVOIR	SOURCE	NOV. 1	MAY 1	OCT. 31
58	Kern Reservoir	Grouse Creek	.38 A.F.	.38 A.F.	.38 A.F.
58	Wiley Reservoir	Cow Creek	2.0 A.F.	--	--
58	Hahns Peak Reservoir	Willow Creek	600. A.F.	600. A.F.	600. A.F.
58	Lester Creek Reservoir	Lestor Creek	5657. A.F.	5657. A.F.	5657. A.F.
58	Heart Lake Reservoir	Watson Creek	283. A.F.	283. A.F.	86. A.F.
58	Bull Park No. 2 Reservoir	W.Br. Watson Creek	Dry	30. A.F.	0 A.F.
58	McChivvis Reservoir	Watson Creek	Dry	191.2 A.F.	0 A.F.
58	Burnt Mesa Reservoir	South Hunt	←	Not Used	→
58	Simon Reservoir	Middle Hunt Creek	553.4 A.F.	655.8 A.F.	468.7 A.F.
58	Allen Basin Reservoir	Middle Hunt Creek	1556.6 A.F.	2203.3 A.F.	1075.6 A.F.
58	Hughes Chapman Reservoir	Little Oak Creek	100. A.F.	246. A.F.	75. A.F.
58	Younger Reservoir	Morrison Creek	←	Full	→
58	Oak Creek Reservoir	Oak Creek	28.5 A.F.	← Full	→
58	Tillquist Lake Reservoir	Morrison Creek	5.6 A.F.	5.6 A.F.	5.6 A.F.
58	Bull Park Reservoir No. 1	Moody Creek	←	Not Built	→
58	Roland Reid Reservoir No. 1	Pt. Willy Gulch	---	45.5 A.F.	45.5 A.F.
58	Summer Reservoir	Young Creek	---	12.53A.F.	6.3 A.F.
58	Lowry Reservoir	Pinnacle Creek	←	Not Used	→
58	Moore Park Reservoir	Elgin Creek	20.85 A.F.	20.85A.F.	10.0 A.F.
58	Ramshorn Reservoir	Dome Creek	122.40 A.F.	122.4 A.F.	122.4 A.F.
58	Stillwater Reservoir No. 1	Yampa River	4668.0 A.F.	5146.5 A.F.	4390.1 A.F.
58	Gardner Reservoir	Gardner Creek	Dry	Dry for Repairs	→
58	Crowner Reservoir	Beaver Creek	Dry	29. A.F.	0 A.F.
58	Lake Creek Reservoir	Wheeler Creek	292. A.F.	292. A.F.	292. A.F.
44	Owen Carrigan Reservoir	Morapos Creek	Washed Out	←	→
44	Cove Lake Reservoir	Morapos Creek	Valve Open	←	→
44	Cove Reservoir	Morapos Creek	Valve Open	←	→
44	Roby Reservoir	Morapos Creek	Dry	26.05 A.F.	Dry
44	Konopik Reservoir	Clear Creek	Dry	13.30 A.F.	Dry
44	D.D. & E. Reservoir	Hullett Draw	Dry	1408.04 A.F.	Dry
44	Wilson Reservoir	Good Springs	28.40 A.F.	68.40 A.F.	28.40 A.F.
44	Dresher Reservoir	Long Gulch	120.0 A.F.	240.00 A.F.	Not Used
44	Biskup Reservoir	Biskup Gulch	Dry	Full	Dry
44	Bunker Lake Reservoir	Bunker Creek	191.48 A.F.	191.48 A.F.	191.48 A.F.
44	Leftwich Reservoir	Boone Gulch	35.6 A.F.	35.6 A.F.	35.6 A.F.
44	Big Bottom Reservoir	Unnamed Trib. Yampa	Won't hold water	←	→
44	Ralph White Reservoir	Fortification Creek	605.00 A.F.	605.00 A.F.	605.00 A.F.
44	Brannan Reservoir	Spring Creek	Dry	Washed Out	→
44	Emmerson Reservoir	Mud Spring	Can't find	←	→

DISTRICT	NAME OF RESERVOIR	SOURCE	NOV. 1	MAY 1	OCT. 31
44	Elgin Reservoir	Unnamed Trib. Yampa	--	150.0 A.F.	Dry
44	Elgin Reservoir No. 2	Unnamed Trib. Yampa	--	60.0 A.F.	Dry
44	Anderson Reservoir	Cottonwood Creek	Dry	20.11 A.F.	Dry
44	Lay Reservoir	Lay Creek		Washed Out	
44	Freeman Reservoir	Little Cottonwood Creek	Full	Full	Full
44	Saddle Reservoir	Butler Creek	140.54 A.F.	140.54 A.F.	140.54 A.F.
44	Sage Brush No. 1 Reservoir	Butler Creek	9.11 A.F.	Not Used	
44	Sage Brush No. 2 Reservoir	Butler Creek	6.17 A.F.	6.17 A.F.	Not Used
44	Sullivan Reservoir	Cedar Creek	16.18 A.F.	16.18 A.F.	Not Used
44	Poose Creek Reservoir	Poose Creek	277.2 A.F.	277.2 A.F.	277.2 A.F.
44	Seller's Crowell Reservoir	Willow Creek	53.0 A.F.	106.0 A.F.	53.0 A.F.
44	Dunckley DeBeau Reservoir	Willow Creek	112.90 A.F.	112.9 A.F.	112.90 A.F.
44	Detwiller Reservoir	Sand Creek	Dry	Not Used	
44	Miller Creek Reservoir	Miller Creek	Dry	Not Used	
44	Wyman Reservoir	Second Creek	Full	Full	Full
44	Brush Creek Reservoir	Brush Creek	Dry	Not Used	
44	Shafer Reservoir	Willow Creek	84.0 A.F.	84.0 A.F.	84.0 A.F.
44	Waddle Creek Reservoir	Waddle Creek	39.81 A.F.	39.18 A.F.	39.18 A.F.
47	Seymore Reservoir	Ninegar Creek	Down 8.0 Ft.	524.0 A.F.	314. A.F.
47	Hecla Reservoir	Arapaho Creek	Down 4.0 Ft.	255. A.F.	74. A.F.
47	Addison Reservoir	Buffalo Creek	Down 2.0 Ft.	41.5 A.F.	23. A.F.
47	Lake Roslyn	Willow Creek	298.0 A.F.	290. A.F.	290. A.F.
47	Clayton Reservoir	Buffalo Creek	--	213. A.F.	180. A.F.
47	Ridings Reservoir	Buffalo Creek	--	46. A.F.	00 A.F.
47	Pole Mountain Reservoir	Mexican Creek	Down 6.0 Ft.	1905. A.F.	1800. A.F.
47	House Reservoir	Spring Creek	38.7 A.F.	45. A.F.	45. A.F.
47	Slack & Weiss Reservoir	Ninegar Creek	108.0 A.F.	152. A.F.	123. A.F.
47	Stambaugh Reservoir	Spring & Flood	7.9 A.F.	139. A.F.	139. A.F.
47	Big Creek Lake	Big Creek	1074. A.F.	1105. A.F.	1032. A.F.
47	McFarlane Reservoir	Illinois River	3053. A.F.	6951. A.F.	4200. A.F.
47	North Michigan Reservoir	No.Fk.Michigan River	--	1250. A.F.	1250. A.F.
47	Ross Reservoir	Seepage-Trib.Big Grizzly	washed out	washed out	washed out
47	Aqua Fria Reservoir	Beaver Creek	--	550. A.F.	74.5 A.F.
47	West Arapaho Reservoir	Trib. Arapaho Creek	--	125. A.F.	0 A.F.
47	South Arapaho Reservoir	Arapaho Creek	--	16. A.F.	0 A.F.
47	Bennett Reservoir	Unnamed Trib. Beaver Cr.	--	80. A.F.	0 A.F.
47	Brands Reservoir	Brands Draw & Springs	--	48.1 A.F.	0 A.F.
47	Boettcher Reservoir	Lake Creek	--	7570. A.F.	265. A.F.
47	Buffalo Reservoir	Buffalo Creek	--	351. A.F.	0 A.F.
47	Burns Reservoir	Burns Draw	--	39.31 A.F.	14.17 A.F.
47	Walden Reservoir	Illinois River	--	3745. A.F.	3094. A.F.
47	So. Butte - So. Delaney Lake	Off Stream	--	584.4 A.F.	275. A.F.

DISTRICT	NAME OF RESERVOIR	SOURCE	NOV. 1	MAY 1	OCT. 31
43	Big Lick Reservoir	Big Beaver Creek		12.00 A.F.	10.00 A.F.
43	Big Beaver Creek Reservoir	Big Beaver Creek		78.5 A.F.	77. A.F.
43	Proctor Reservoir	Curtis Creek		6.66 A.F.	Dry
43	West Miller Reservoir	West Miller Creek		77.8 A.F.	77.8 A.F.
43	Wilson Reservoir	East Flag Creek		Dry-Not Used	
43	Lunney Reservoir	Nine Mile Draw		82.12 A.F.	65.69 A.F.
43	McHatton Reservoir	Coal Creek		64.20 A.F.	64.20 A.F.
43	Gregor Reservoir	Vaughan Creek		47.00 A.F.	47.00 A.F.
43	Stump Lake Reservoir	Vaughan Creek		10.23 A.F.	10.23 A.F.
43	Cabin Lake Reservoir	Vaughan Creek		16.06 A.F.	16.06 A.F.
43	Shadow Lake Reservoir	Vaughan Creek		2.60 A.F.	2.60 A.F.
43	Lady Lake Reservoir	Vaughan Creek		4.41 A.F.	4.41 A.F.
43	Beaver Lake Reservoir	Vaughan Creek		4.41 A.F.	4.41 A.F.
43	Seventh Lake Reservoir	Vaughan Creek		7.45 A.F.	7.45 A.F.
43	West Stewart Reservoir	West Stewart Creek		10.64 A.F.	7.98 A.F.
43	Larson Reservoir	Nineteen Mile Creek		62.00 A.F.	62.00 A.F.
47	South Butte - East Delaney Lake	Off Stream	--	244.4 A.F.	56.7 A.F.
47	North Butte - East Delaney Lake	Off Stream	--	244.4 A.F.	244.4 A.F.
47	Case No. 1 Reservoir	Illinois River	--	117. A.F.	4.0 A.F.
47	Case No. 2 Reservoir	Illinois River	--	98. A.F.	30.0 A.F.
47	Cowdry Lake	Off Stream	--	448.0 A.F.	214. A.F.
47	Lower Cowdry Lake	Off Stream	--	27.8	0 A.F.
47	Coyte Reservoir	Off Stream	--	00 A.F.	0 A.F.
47	Darcy Reservoir	Willow Creek & Lost Cr.	--	711.7 A.F.	0 A.F.
47	Fischer Lake & Pump. System	Seepage	--	58. A.F.	10. A.F.
47	Hap Reservoir	Buffalo Creek	--	42. A.F.	0 A.F.
47	Hunter Reservoir	Three Mile Creek	--	117. A.F.	0 A.F.
47	Jackson Reservoir	Riley Creek	--	118. A.F.	0 A.F.
47	Kettle Reservoir	Newcomb Creek	--	24.5 A.F.	0 A.F.
47	Lake John	Lake Creek	--	8543. A.F.	5800. A.F.
47	Two Ledge Reservoir	Coyote Creek	--	61.4 A.F.	0 A.F.
47	Mexican Reservoir	Mexican Creek	--	57. A.F.	0 A.F.
47	McGowan Reservoir	Middle Fk. Mexican Cr.	--	39.8 A.F.	0 A.F.
47	Muddy Pass Reservoir	Trib. Grizzly Creek	--	58.0 A.F.	58. A.F.
47	Ninegar Reservoir	Ninegar Creek	--	37.5 A.F.	0 A.F.
47	Rock Reservoir	Newcomb Creek	--	55. A.F.	0 A.F.
47	Petry Lake Reservoir	Unnamed Trib.Little Grizzly	-	81.5 A.F.	82. A.F.
47	Gamber Reservoir	Little Grizzly	--	416.0 A.F.	416. A.F.

DISTRICT	NAME OF RESERVOIR	SOURCE	NOV. 1	MAY 1	OCT. 31
47	Shawver Reservoir	Sutton Cr.&Indian Cr.	--	278. A.F.	0 A.F.
47	Thirty-One Reservoir	Spring Creek	--	Washed Out	Washed Out
47	Three-Mile Reservoir	Three Mile Creek	--	49. A.F.	0 A.F.
47	Van Valkenburg Reservoir	Van Valkenburg Draw	--	54. A.F.	26. A.F.
44	Wet Meadow Reservoir	Wet Meadow Gulch		Not Used	Not Used
44	Lyons Reservoir	Hart Creek Gulch		Not Used	Not Used
44	Elizabeth Reservoir No. 2	Hart Creek Gulch		Not Used	Not Used

IV. Agriculture

The White River Drainage has almost twice as much irrigated land as dry crop land. Most of the irrigated land is in hay production for livestock feed. This land is probably about equally divided between wild meadow hay and alfalfa. The average production on wild hay is around 2 to 3 tons per acre with alfalfa being slightly higher. Alfalfa usually produces two cuttings of hay per season. The dry crop land is almost exclusively planted in grains, wheat, oats and barley. The crop yields vary greatly in proportion to the climatic conditions. The average for wheat is around 26 bushels per acre with oats and barley slightly higher. The bulk of the dry crop land is fallowed in alternating years, which cuts production to something over 50 per cent of the total acreage annually.

The Yampa Drainage has about 40 per cent more dry crop land than irrigated. The dry land crops in the Yampa Drainage are almost identical to the White River Drainage, with the exception that a small portion of it is in the production of hay. This dry land hay is mostly alfalfa and generally produces only one cutting. The wheat yield for the Yampa Drainage is around 30 bushels per acre. The hay in the Yampa Drainage is predominately wild hay with a yield of 2 to 3 tons per acre.

The North Platte Drainage produces only wild hay with a average yield of around one ton per acre. The elevation of North Park is high and the growing season is short.

In the overall economic picture, the price of farm produce has not kept pace with the inflation of costs. The result is that the economy of the area is down. The only thing that has kept a good many of the ranchers and farmers in business is the increase in their land values which they borrow on to keep operating.

V. Compacts and Court Stipulations

A. The Upper Colorado River Compact was complied with delivering considerably over the 500,000 acre feet in the Yampa River at Maybell.

Delivery to the Colorado River Compact has been no problem to date. It is contemplated that sometime in the future the call will be put on the river at which time there is sure to be untold problems. For the good of the State and the various drainage basins an Intra State compact between the various tributaries to the Colorado River might be the fairest and easiest to administer.

The Supreme Court Stipulations on the North Platte drainage are in compliance for the 1971 irrigation season. These are: total storage not to exceed 17,000 acre feet; the irrigated acreage to be less than 145,000 acres; and the transbasin diversions less than 6,000 acre feet.

VI. Dams

A. Seven dams in need of repair were visited by a dam inspector and specific instructions were sent to the owners. North Delaney Buttes (Laune Reservoir) in North Park was placed under a storage restriction and drainage commenced on October 26.

B. Permits were issued for 37 livestock water tanks. In the White River District, there has been considerable pressure for the development of fish ponds under the guise of stock tanks. Several locations were inspected and one application was denied because the location was on a perennial stream.

VII. Water Rights

A. Tabulation - The transfer to/from and conditional lists are nearly completed. Hopefully these will be done by November 30 as scheduled.

It is hoped that the court records can be searched to check with office records and final corrections made by May 1 of 1972. A schedule has been set up with ADP section when the districts will be completed on a monthly schedule.

Some research is being done to possibly punch cards and make trial run on the tabulation locally.

B. Referee's Rulings -

1. Ground Water Right - 8
2. Change of Water Right - 1
3. Plan of Augmentation - 0
4. Water Right - 8
5. Diligence -12
6. Storage Right - 7

No special rulings were made by the referees. Well owners are not tying wells to surface rights, only domestic wells are being adjudicated. There appear to be no problems with the referees' rulings.

VIII. Organizations

A.

Colorado River Water Conservation District - Glenwood Springs, CO - Roland C. Fischer, Secretary Engineer

Upper Yampa Water Conservancy District - Steamboat Springs, CO - Nicholas Magill, Attorney

Yellow Jacket Water Conservancy District - Meeker, CO - Robert Raley, President

Pot Hook Conservancy District - Baggs, WY - Darwin Dunn, President

Lower Yampa Conservancy District - Craig, CO - Jack Davis, Attorney

Great Northern Conservancy District - Craig, CO - John Sherman, President

Northwest Colorado Water Council - Craig, CO - William H. Jordan, Chairman

Jackson County Water Conservancy District, Walden, CO - Lloyd Hampton, Secretary

B.

Bear River Reservoir Company - Yampa, CO

Stillwater Ditch Company - Yampa, CO

Maybell Irrigation District - Maybell, CO

Miller Creek Ditch Company - Meeker, CO

Woodchuck Ditch Company - Steamboat Springs, CO

IX. Water Commissioner's Summary

District 55

Direct Flow	6,666
Reservoir Storage	0
Acres Irrigated	1,122
No.Ditches	14
No.Reservoirs	0
Average Demand	5.9

District 44

Direct Flow	96,890
Reservoir Storage	1,850
Acres Irrigated	33,929
No.Ditches	230
No.Reservoirs	38
Average Demand	2.8

District 57

Direct Flow	72,970
Reservoir Storage	2,913
Acres Irrigated	15,823
No.Ditches	117
No.Reservoirs	35
Average Demand	4.8

District 43

Direct Flow	293,632
Reservoir Storage	116
Acres Irrigated	37,210
No.Ditches	432
No.Reservoirs	16
Average Demand	7.9

District 58

Direct Flow	155,735
Reservoir Storage	3,575
Acres Irrigated	50,688
No. Ditches	515
No. Reservoirs	31
Average Demand	3.0
Transmountain	1,079

District 56

Direct Flow	15,825
Reservoir Storage	117
Acres Irrigated	2,380
No. Ditches	65
No. Reservoirs	7
Average Demand	6.7

District 54

Direct Flow	23,953
Reservoir Storage	100
Acres Irrigated	10,375
No. Ditches	86
No. Reservoirs	5
Average Demand	2.3

District 47

Direct Flow	248,134
Reservoir Storage	15,168
Acres Irrigated	120,000
No. Ditches	474
No. Reservoirs	60
Average Demand	--
Transmountain	0

Direct Flow 913,805
Reserv. Stor. 23,839
acres Irr. 171,527
no. ditches 1933
Reservs. 192

X. Recommendations and Suggestions

The Division realizes that the per diem is not set by the department but feel everything should be done to see that personnel are reimbursed for their expenses while away from home base.

The newsletter we feel has been a very worthwhile project and have had much complimentary feed back from the recipients. One criticism is that several times this has been our only notice of meetings and has not given us much notice for scheduling our own time. Realizing that it is probably impossible to speed up the newsletter maybe this portion could be sent to the Divisions early.

An age old problem which we have all been fighting for years is of course the part-time water commissioners. These people are really the workers of the organization and the basis for all of our records. As we all know in this day and age, it is impossible to live on part-time work so it entails all of our men to work at some other job. At times, while not being disloyal, they do have to look after their other interests. This makes it hard to get the full job done as it should be. Everything possible should be done to get some of the key commissioners on full-time with winter months being spent obtaining acreages and other information to improve the records.