

ROY ROMER  
Governor



J.A. DANIELSON  
State Engineer  
S.E. VANDIVER  
Division Engineer

## DIVISION OF WATER RESOURCES

Division III  
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January 15, 1992

Dr. Jeris A. Danielson  
State Engineer  
Division of Water Resources  
1313 Sherman Street  
Denver, CO 80203

Dear Jeris:

On behalf of the staff of Division III, I submit herein the Annual Report for 1991.

I would like to express special thanks to the Division III staff as well as you and your staff for the help and support in fulfilling the various responsibilities of water administration in our division.

Respectfully submitted,

A handwritten signature in cursive script that reads "Steven E. Vandiver".

Steven E. Vandiver  
Division Engineer  
Division III

A handwritten signature in cursive script that reads "Robert M. Plaska".

Robert M. Plaska  
Assistant Division Engineer  
Division III

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1991

ANNUAL REPORT

DIVISION OF WATER RESOURCES  
DIVISION III

COLORADO DEPARTMENT OF NATURAL RESOURCES

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## WATER ADMINISTRATION

The Rio Grande Basin and Division III as a whole experienced a near normal year in 1991 for the first time in more than a decade. The year started out with a below average forecast runoff but ultimately the snowpack and summer rains provided a good water supply. Many junior rights diverted which had not been able to since 1987 and a fair to good year was had by most users. We hope 1991 changed the dry trend we have been experiencing over the past several years.

### CURRENT YEAR - 1991

#### 1. ACCOMPLISHMENTS

A. Colorado's obligation under the Rio Grande Compact was again met in 1991 by the curtailment of decreed water rights, Closed Basin Project deliveries, return flows and winter flows on both the Conejos and Rio Grande. Due to relatively high precipitation in New Mexico, Rio Grande Project storage in Elephant Butte and Cabello reservoirs have recovered significantly this year. It appears at this writing the state of New Mexico may have significantly over delivered and may have an accrued credit to start 1992. See Appendix D for the Rio Grande Compact performance summary for Colorado.

Calls for water rights were honored beginning on April 14, 1991 and initial curtailments for Compact purposes were fifty percent (50%) on the Conejos and six percent (6%) on the Rio Grande. On April 22, 1991 the Closed Basin Project Allocation committee agreed to a 60/40 split of the creditable water produced from the Project between the Rio Grande (60%) and Conejos (40%). This allocation was used throughout the year. As is noted in Appendix D the Compact curtailment varied somewhat throughout the year especially on the Conejos River because of a constantly changing streamflow forecast. Alternating wet and dry periods tended to cause the forecast amounts to fluctuate; therefore, the curtailment percentages were changed to provide for deliveries to meet the Compact. This situation required an increased level of administration of the

Compact throughout the season. Heavy fall precipitation and good return flows again provided for a continuation of diversions into November for those who requested them to satisfy late season irrigation demand as well as the winter recharge decrees. These decrees were honored on November 1, 1991 and were used in varying degrees by the six canals which own the decrees. Extremely cold periods during the months of November and December considerably affected the amounts that different ditches could take. Approximately 14,460 acre feet of water was delivered to the recharge ditches under their decree. This operation is important in our efforts to increase aquifer recharge during times when the water is available.

B. The satellite monitoring system in Division III was again used extensively for administration and was expanded by several sites during 1991. During this year platforms were installed on Mountain Home Reservoir and Trinchera Creek below the reservoir by the Trinchera Irrigation Company and the Trinchera Water Conservancy District. Platforms were installed by the Division of Water Resources on the Alamosa Creek below Terrace Reservoir, Pinos Creek near Del Norte and on the San Antonio River at the mouth near Manassa. These last three sites were possible because of an increase in funding by the Water Resources and Power Development Authority. The satellite monitoring system continues to provide us with a greatly enhanced ability to properly administer water rights and is widely used by all who are interested in the water resources arena.

C. In 1991 the Closed Basin Project again delivered water to the Rio Grande, creditable under the Compact, which reduced curtailments of direct flow water rights on both the Conejos and Rio Grande. Stages 1, 2 and 3 are 100% completed and on-line and Stage 4 should start producing water in early 1992. This "new" water should have a considerable effect on reducing curtailments even further on the two rivers. Stage 5 construction is well ahead of schedule with much of it completed and water from it should be available for service much sooner than had been anticipated.

This is the third year in a row that the Project has delivered water for Compact purposes and the accounting and administration of that water becomes easier as we gain experience. The water quality standards continue to be met quite easily and the numerous benefits of the Project are evident in many areas.

Deliveries from the Project are as follows:

940 acre feet to the Blanca Wildlife Habitat Area.

1,945 acre feet to the Alamosa National Wildlife Refuge.

17,645 acre feet to the Rio Grande of which 17,102 acre feet

was creditable under the Rio Grande Compact.

As was discussed previously the creditable water was allocated between the Rio Grande and Conejos on a 60/40 percentage basis pursuant to a determination by the Closed Basin Allocation Committee. Deliveries were also made to San Luis Lake to maintain 890 surface acres which continues to hold TDS levels in the lake at an acceptable level. This cleanup is making San Luis Lake a viable recreational facility as well as a storage vessel for Project water to be delivered to the Rio Grande at a later time. Water delivered to and from the lake is as follows:

6,736 acre feet delivered to San Luis Lake.

5,161 acre feet pumped from San Luis Lake.

We continue to work very closely with both the Bureau of Reclamation and the Rio Grande Water Conservation District to learn to operate and administer the Project.

D. 1991 again saw several important changes in our personnel. Craig Cotten was hired on January 15, 1991 to fill the vacant hydrographer position. Craig was able to get up to speed very quickly because of his work with us the previous summer and has been a great help in trying to eliminate the backlog from the previous year. July 1, 1991 Art Rivale was hired to replace the vacancy in District 25 left by the retirement of Henry Lamm, long time Water Commissioner from

Moffat. The history which left with Henry has made it very difficult to function properly in District 25 but Art has done a good job in trying to understand the administration in the northern end of the Valley. On December 31, 1991 long time employee, Travis Smith, the lead Water Commissioner in District 20, resigned to take a job with a large irrigation district in the northern portion of the Valley. This move came as a great surprise and will leave the District without a veteran Commissioner. Ben Cannon and Perry Alspaugh will continue to administer District 20 and we are hoping at this time to transfer an existing employee into the vacant position as soon as possible.

E. The Bureau of Reclamation contract with the Division of Water Resources for the Closed Basin Project was initiated in 1991. Because of the hiring freeze we were unable to hire a new employee as contemplated under the contract but we were able to make a number of measurements necessary for proper administration of that contract. This was detrimental to our other operations in stream gaging and ditch measurements but all three were adequately done considering the cutbacks which are ongoing.

F. Diversion record production went well in 1991 and were completed by the end of the year. The Water Commissioners and the Assistant Division Engineer are to be congratulated for the quantity and quality of the records produced.

G. Protests to the 1990 Abandonment list were received until July 1, 1991 at which time field inspections were made of each of the protested rights and determinations were made concerning each case. Revisions were then made to the list to reflect the results of our consideration of the protests and a revised abandonment list was filed with the Division III Water Court on December 31, 1991. Thirty-seven structures proposed for abandonment were protested.

H. We make every effort to properly administer the augmentation plans in Division III even though they get more complicated and complex. It is extremely difficult to administer these new court decrees properly without additions to our travel and personnel resources.

I. Once again Platoro Reservoir, near the head of the Conejos River, was used throughout 1991 for irrigation purposes. The latest attempt to pass legislation through the United States Congress which would give operation and maintenance responsibilities to the Conejos Water Conservancy District failed to pass the last session of congress, but hopefully the reservoir can be operated, if necessary, under another interim agreement with the United States Bureau of Reclamation in 1992. The District will attempt to obtain the legislation again in 1992.

The Conejos Water Conservancy District, sponsor for the reservoir, allocated project water which was available and also allowed the storage of direct flow rights on an interim basis prior to its decree being granted by the water court. It is already apparent that water stored under the District's storage right and the re-regulation of direct flow rights will, in most years, provide a good supply for the users on the Conejos River. During 1991, 8,207 acre feet of project water was purchased by ditches on the Conejos and released during the irrigation season. Also, twenty-six (26) ditches elected to store a portion of their direct flow rights and 15,794 acre feet was stored and released later in the season. Water court case, 90CW48, is an application filed by the District at the end of 1990 to decree this direct flow storage operation. This application was stayed until spring of 1992 to allow for the completion of other litigation.

J. Water court activity demanded a tremendous amount of resources during 1991. Thirty-five filings were made in the Division III Water Court during the year most of which were routine cases. The major accomplishment during 1991 was the preparation and completion of the litigation in case 86CW46 concerning the water rights claimed by American Water Development, Inc. This case took countless hours of preparation and six weeks of actual litigation time in the court room. The court ruled from the bench in favor of the objectors on the non-tributary issue. All other claims had been disposed of or withdrawn by the applicant prior to the start of the trial. A great deal was learned by the staff in Division III concerning what is required for preparation in



a case of this magnitude. The final judgment has not been rendered by the court at the time of this report. As of December 31, 1991 forty-nine cases (49) are pending and in 1991 fifty-two (52) cases were terminated.

K. A change in the well permitting process was implemented in Divisions 3, 6 and 7 this past year. The permit applications are to be submitted to the Division offices where they are reviewed, field inspected and corrected before being sent to Denver. This has drastically reduced the evaluation time and return of applications. The process is somewhat different than the procedures done previously in Division 3, but did not have substantial impact on our operations. Dennis Felmlee, Bob Plaska and Sue Edling received the training held in Denver to implement this process. Overall this change has been very beneficial to not only Division of Water Resources but to permit applicants as well.

L. Tim Lovato, the Water Commissioner in District 26, was chosen as the Division III Water Commissioner of the Year for 1991. Tim not only handled the duties of his district but assisted in District 25 after Henry Lamm retired in early 1991. Tim administered both Districts until July 1, 1991 and helped get the new commissioner, Art Rivale, started in the District. It was a tremendous help to all involved to have a veteran water commissioner available for this transition.

M. Robert E. Robins Jr., a long time water user on the Conejos system and past Director and President of the Conejos Water Conservancy District, resigned those positions in 1990 and became manager for the District. In his short tenure of supervising the activities of Platoro Reservoir and coordinating with the water commissioners in their duties on the Conejos system it was recognized that Bob had exceptional abilities in making things work. As a result he was selected as the 1991 Division III Water Manager of the Year. Bob was recognized with that award for his dedication to the users of the Conejos basin and his work in making Platoro Reservoir a viable project.

N. Dave Muniz of Capulin, Colorado was also recognized in 1991 as the Ditch Superintendent of the Year for Division III. Mr. Muniz was extremely helpful in his diligent operation of ditches he was responsible for but also in helping the District 21 commissioners in their accounting and tracking of water on the La Jara and Alamosa systems.

O. Dennis Felmlee, a Well Commissioner in the Alamosa office, was also recognized for his work in implementing the new well permitting program undertaken in Division III in 1991. Dennis is very good in handling the public needs of well permits and contributed greatly to the success of the program.

P. Several public meetings were again held in 1991 trying to establish contact with individuals who do not normally attend water user and water agency meetings. This attempt has benefited our agency tremendously by helping the general public understand what our duties and responsibilities are and the laws which govern water administration and distribution in the state of Colorado.

Q. Division III operated within their budget allocation for the 1990-91 fiscal year.

R. At the request of the State Engineer late in 1991, an identification and prioritization of the functional programs in our Division was completed. Duties and tasks are generally outlined by the statutes, but we also identified other tasks which are done routinely by our staff. This project was interesting and informative as it required that we not only identify the various programs but prioritize them and assign FTE's and budget to each program. Although time consuming it was a very educational exercise and made us recognize what we do, why we do it and what resources were committed to each program.

## 2. PARTICULAR ISSUES OF CONCERN AND THEIR IMPACT

A. The Rio Grande Compact continues to command the attention of the Division III office. With the dynamic situation of hydrologic and climatic events the Compact requires constant

attention and updating in order to provide for the maximum beneficial use of the native flows of the Rio Grande and Conejos in Colorado. The forecasting of stream flows and administration of deliveries to the state line is an interesting juggling act at best. Because of the dramatic changes which can occur throughout the runoff and rainfall season it is an exciting and challenging operation. With the addition of "new water" from the Closed Basin Project a new wrinkle has been added to fine tune the Compact deliveries. This, coupled with the ability of the large ditches to recharge in the fall and the cooperation received from the water users in meeting our Compact obligation, has provided the Division of Water Resources an enhanced ability in controlling Colorado's deliveries.

B. The continuing problem of the legislation involving the use of Platoro Reservoir and the operation and maintenance thereof is a great concern to this office, the State Engineer and the Conejos Water Conservancy District. The omnibus bill to which the Platoro legislation was attached was once again allowed to die in 1991. Apparently all of the "bugs" have been worked out of the proposed legislation but opposition to other portions of the omnibus bill have continued to take the Platoro project down with them. It's very frustrating at all levels to see how such a simple issue can be made so difficult by the congress.

C. We still look forward to the completion of the Closed Basin Project and the last two stages coming on line. The amount of water which the Project can potentially provide for Compact deliveries will greatly enhance Colorado's ability to use her entitlement under the Compact. As Stage 4 comes on line in 1992 we will work very closely with the State Engineer, the Rio Grande Water Conservation District and the committees to efficiently integrate the production of the Project into Compact administration.

D. The litigation processes of large cases like American Water Development, case 86CW46, continue to have impact on Division resources. Everything from copy paper to staff time is affected.

There are very few, if any, methods of recouping unplanned operating expenses as a result of these large cases. The case preparation in these matters bears out the genuine need for good coordination among not only the co-parties in the case but within our own agency. The need for a litigation coordinator and facilitator is extremely important to guide and drive these cases. It is very important to have input from the highest level in order to efficiently prepare for the cases in which which we are involved.

E. The general budget situation of not only the Division of Water Resources but the state of Colorado appears to worsen with each day. Everything from problems with the new COFRS budget system, hiring freezes, and budget cutbacks seem to be standard operating procedure for the past two years as well as the future. Within the past six months the hiring freeze and the directive to cut the travel budget for the last half of the 1991-92 year by fifty percent (50%) is of tremendous concern. Unfilled positions and little ability to administer water rights surely does not bode well for not only Division III but the state of Colorado as a whole.

F. This hiring freeze has even gone so far as to prevent us from hiring a person under a federally funded contract for the measurement of structures in the Closed Basin Project. Much of that work has been done but it has been at the expense of other programs.

### 3. EFFECTS OF WORK LOAD CHANGES

A. The consolidation of Districts 20 and 27, which was accomplished in 1991, appears as though it has been successful in that we were able to administer the two Districts with three people instead of the three and one-half positions which had been done in the past. We are still attempting to plan effectively to insure that there is no lapse in our operation because of this change.

B. It appears that because of the budget constraints the other Districts may be affected by reduction in man-months and positions. We can only wait to see what the future brings and what effects this has on the work loads on each of the positions in the Division.

## PROJECTED WORK ITEMS FOR 1992

- 1) Expand the diversion records for municipalities and include them in the annual diversion records.
- 2) Improve the accounting procedures for augmentation plans and include in the annual diversion records.
- 3) Continue to improve and standardize the reservoir accounting procedures for the annual diversion records.
- 4) Continue to work with the Water Court and applicants to resolve conflicts in water court applications to avoid participation in litigation as much as possible.
- 5) Continue to work with the District 20 staff to achieve a workable administration plan for the consolidated district encompassing District 20 and District 27.
- 6) Work for a full staff and train new personnel as quickly as possible to handle their respective responsibilities.
- 7) Monitor all dams as a normal part of our standard operating procedure. Perform all assigned dam inspections in a timely manner.
- 8) Meet all deadlines for submission of records.
- 9) Continue to involve the Assistant Division Engineer in the review of court applications, field inspections and administrative decisions.
- 10) Assist in the preparation of factual data for use in major ongoing water court litigation.
- 11) Continue to implement the cooperative agreement with the Bureau of Reclamation for measurements at the Closed Basin Project.
- 12) Implement COFRS in the Division III office as soon as training is provided and the system is in reliable operation.
- 13) Operate Division III office within our budget and try to absorb increases in cost of gas, office supplies and postage without cutting services and dealing with cutbacks in travel and budget.
- 14) Assign ID numbers to all structures in the Division III water rights listing which do not presently have ID's assigned.
- 15) Update the water rights listing to include the well permit numbers for all decreed wells.
- 16) Meet Rio Grande Compact obligation.

PROJECTED WORK ITEMS FOR 1992, continued

- 17) Assist Conejos Water Conservation District with management plan for Platoro Reservoir.
- 18) Contact other state agencies to plan their water use.
- 19) Assist State Engineer and SLVWCD in developing water management plan for Closed Basin area.

## GOALS AND OBJECTIVES

- 1) Administer the Rio Grande basin to assure Colorado's obligation under the Rio Grande Compact is met.
- 2) Administer water rights according to decrees, statutes, and applicable case law.
- 3) Serve the public in a helpful, courteous and conscientious manner.
- 4) Operate the Division III office within our allocated operating budget.
- 5) Promote the satellite monitoring system for use on private ditches and reservoirs in our division.
- 6) Maintain contact with local state legislators.
- 7) Provide opportunity for all office personnel to obtain training within the confines of our budget.
- 8) Improve the quality of diversion records.
- 9) Identify and administer water rights requiring special administrative action required by decree.
- 10) Provide new District 25 commissioner with training necessary to properly administer the water rights in that district.
- 11) Develop and complete a court case file database for Division III.
- 12) Complete reorganization and training of new District 20 staff.
- 13) Train water commissioners to work hydrographic records.



## APPENDIX A

### 1991 DIVISION III STAFF

#### Office Staff

Steven E. Vandiver	Division Engineer Principal Water Resource Engineer
Robert M. Plaska	Assistant Division Engineer Supv. Water Resource Engineer
Sue Edling	Sr. Secretary
Bruce Whitehead	Sr. Water Resource Engineer
Craig Cotten	Water Resource Engineer A
Scott Veneman	Engr/Physical Science Aide C
Dennis Felmlee	Well Commissioner C
Norman Hill	Well Inspector

#### Water Commissioners and Deputies

Travis Smith (Resigned 12/31/91)	Water Commissioner C, District 20
Ben Cannon	Deputy/Water Commissioner C, District 20
Perry Alspaugh	Deputy/Water Commissioner B, District 20
Jim Sellers	Water Commissioner C, District 21
Steve Baer	Deputy/Water Commissioner B, District 21
Paul Clark	Sr. Water Commissioner, District 22
Jim Horton	Deputy/Water Commissioner C, District 22
Charlie Quintana	Water Commissioner C, District 24
Art Rivale	Water Commissioner C, District 25
Timothy Lovato	Water Commissioner C, District 26
Wayne Williams	Water Commissioner B, District 35

APPENDIX B

WATER DIVISION NO. 3  
1991 CALENDAR YEAR

ACTIVITY SUMMARY

ACTIVITY

TOTALS

Professional and Technical Staff	5
Clerical Staff	1
Water Commissioner FTE (Full/Part-Time)	4/8
Decreed Surface Rights	Approx 2500 total
Surface Rights Administered (water diverted this year)	725
Wells	Approx 23,202 decreed wells
Plans for Augmentation	6 new
Consultations with Referee	85
Water Court Appearances	68
Meetings with Water Users	296
Meetings to Resolve Water Related Disputes	121
Contacts to Give Public Assistance on Water Matters	*28,460
*Includes Water Commissioner Contacts	

APPENDIX C

WATER DIVISION III  
ACTIVITY SUMMARY

1990-91 FISCAL YEAR

<u>ACTIVITY</u>	<u>FISCAL YEAR TO DATE</u>
Professional and Technical Staff	5.00
Clerical Staff	1.00
Water Commissioner FTE Assigned (Full and Part-time)	4/8
Decreed Surface Rights	*2430
Surface Rights Administered	*
Wells	**22,835
Plans for Augmentation	3
Consultations with Referee	154
Water Court Appearances	39
Meetings with Water Users	378
Meetings to Resolve Water Related Disputes	101
Contacts to give Public Assistance on Water Matters *Contact Dennis Petersen **Approximate	27,261

APPENDIX D  
1991 RIO GRANDE COMPACT REPORT

Preliminary Figures

1. Rio Grande Index ..... 608,800 a.f.  
     \*Actual Rio Grande Delivery ..... 163,543 a.f.  
     \*\*Adjusted Rio Grande Delivery ..... 163,000 a.f.  
     Required Rio Grande Delivery ..... 165,520 a.f.
  
2. Combined Conejos Index ..... 360,400 a.f.  
     \*\*\*Adjusted Conejos Delivery ..... 149,000 a.f.  
     Required Conejos Delivery ..... 155,500 a.f.
  
3. \*Total Delivery at Lobatos ..... 312,390 a.f.  
     \*\*\*\*Total Adjusted Delivery at Lobatos ..... 311,847 a.f.  
     Total Required Delivery at Lobatos ..... 321,020 a.f.  
     Margin Including 10,000 a.f. Credit ..... 827 a.f.
  
4. Rio Grande Curtailment

<u>DELIVERY TARGET</u>	<u>(% of INDEX)</u>	<u>APPROX CURTAILMENT OF DITCHES</u>	<u>(% of INDEX)</u>
Jan 1 - Apr 14	100% +	Jan 1 - Apr 14	100 %
Apr 15 - Jun 10	16 %	Apr 15 - May 31	6 %
Jun 11 - Jun 30	10 %	Jun 1 - Jun 10	12 %
Jul 1 - Aug 26	13 %	Jun 11 - Jul 10	5 %
Aug 27 - Sep 13	1 %	Jul 11 - Jul 20	8 %
Sep 14 - Sep 22	20%	Jul 21 - Aug 15	10 %
Sep 23 - Oct 2	5 %	Aug 16 - Sep 14	0
Oct 3 - Oct 31	1 %	Sep 15 - Sep 22	20 %
Nov 1 - Dec 31	Recharge	Sep 23 - Oct 2	5 %
		Oct 3 - Oct 31	0
		Nov 1 - Dec 31	0 %

\*Includes the non-creditable Closed Basin Project production delivered to the Rio Grande which was 543 acre feet.

\*\*Includes 60% of the creditable Closed Basin Project production (10,261 acre feet)

\*\*\*Includes 40% of the creditable Closed Basin Project production (6,841 acre feet)

\*\*\*\*Includes all the creditable Closed Basin Project production (17,102 acre feet)

APPENDIX D, continued

1991 RIO GRANDE COMPACT REPORT

Preliminary Figures

5. Conejos Curtailment

<u>DELIVERY TARGET</u>	<u>(% of INDEX)</u>	<u>ESTIMATED CURTAILMENT OF DITCHES</u>	<u>(% of INDEX)</u>
Jan 1 - Apr 14	100 %	Jan 1 - Apr 14	100 %
Apr 15 - May 14	40 %	Apr 15 - May 14	50 %
May 15 - Jun 10	35 %	May 15 - Jun 10	45 %
Jun 11 - Jun 20	15 %	Jun 11 - Jun 20	20 %
Jun 21 - Jun 30	25 %	Jun 21 - Jun 30	30 %
Jul 1 - Jul 24	35 %	Jul 1 - Aug 26	40 %
Jul 25 - Aug 26	40 %	Aug 27 - Sep 19	35 %
Aug 27 - Sep 19	30 %	Sep 20 - Oct 2	50 %
Sep 20 - Oct 2	50 %	Oct 3 - Oct 30	25 %
Oct 3 - Oct 30	25 %	Oct 31 - Dec 31	0 %
Oct 31 - Dec 31	0 %		

\*Includes the non-creditable Closed Basin Project production delivered to the Rio Grande which was 543 acre feet.

\*\*Includes 60% of the creditable Closed Basin Project production (10,261 acre feet)

\*\*\*Includes 40% of the creditable Closed Basin Project production (6,841 acre feet)

\*\*\*\*Includes all the creditable Closed Basin Project production (17,102 acre feet)

APPENDIX F

RESERVOIR STORAGE SUMMARIES

WD	RESERVOIR	CAPACITY AF	STREAM SOURCE	BEG 1 YR AF 11/1/90	%	IRR YR OF RECORD 1991 BEG IRR SEAS AF 4/1/91	%	END 1 YR AF 10/31/91	%
20	Continental	22,679	N Clear Creek	250	1	3,080	14	160	1
20	Rio Grande	51,113	Rio Grande	0	0	12,700	25	1,627	3
20	Santa Maria	45,070	N Clear Creek	6,162	14	7,838	17	4,492	10
21	Terrace	15,182	Alamosa River	1,000	7	7,800	51	1,793	12
22	Platoro	59,570	Conejos River	6,865	12	10,700	18	18,002	30
24	Sanchez	103,114	Culebra Creek	12,969	13	15,900	15	18,585	18
35	Mt. Home	17,347	Trinchera Creek	1,276	7	2,525	15	2,771	16
35	Smith	*5,808	Trinchera Creek	2,589	45	4,855	84	2,038	35

\*Corrected Reservoir Capacity

APPENDIX E  
PRELIMINARY  
1991 TRANSMOUNTAIN DIVERSIONS SUMMARY - INFLOWS

<u>WD</u>	<u>NAME</u>	<u>RECIPIENT STREAM</u>	<u>WD</u>	<u>SOURCE STREAM</u>	<u>1990 Previous Irr Year</u>		<u>1991 Irr Year of Record</u>	
					<u>AF</u>	<u>DAYS</u>	<u>AF</u>	<u>DAYS</u>
20	Weminuche Pass Ditch	Weminuche Creek	31	Rincon LaVaca Creek	960	104	685	30
20	Pine River Weminuche Pass	Weminuche Creek	31	N Fork Los Pinos	451	86	275	48
20	Williams Creek Squaw Pass Ditch	Squaw Creek	78	Williams Creek	205	37	235	65
20	Tabor Ditch	Clear Creek	62	Cebola Creek	648	150	995	157
20	Don LaFont #1 Ditch	South River	78	Trib Piedra River	32	41	62	43
20	Don LaFont #2 Ditch	South River	78	Trib Piedra River	106	75	411	107
20	Treasure Pass Ditch	South Fork Rio Grande	29	Wolf Creek	53	29	9	8
20	Tarbell	Saguache Creek	28	Cochetopa Creek	79	13	0	0

PRELIMINARY  
TRANSMOUNTAIN DIVERSIONS SUMMARY - OUTFLOWS

16	Hudson Branch Ditch	Huerfano	35	Medano Creek	0	0	0	0
16	Medano Ditch	Huerfano	35	Medano Creek	1460	64	1080	43

APPENDIX G, continued

WATER DIVERSION SUMMARY BY DISTRICT  
Irrigation Year 1991

<u>WD</u>	<u>MUNICIPAL</u> <u>(AF)</u>	<u>INDUSTRIAL</u> <u>(AF)</u>	<u>DOMESTIC</u> <u>(AF)</u>	<u>AUGMENTATION</u> <u>(AF)</u>	<u>RECHARGE</u>
20	5,849	0	700	75	11,005
21	0	164	0	174	0
22	434	0	770	0	0
24	0	0	0	0	0
25	0	0	145	0	0
26	0	0	0	0	0
27	0	0	0	0	0
35	0	661	52	467	1,142
<u>TOTAL</u>	<u>6,283</u>	<u>825</u>	<u>1,667</u>	<u>716</u>	<u>12,147</u>



APPENDIX G  
WATER DIVERSION SUMMARY BY DISTRICT

I Y 1991

WD	NO OF STRUCTURES REPORTED	NO OF DITCH VISITATIONS	TOTAL DIVERSIONS (AF)	TOTAL DIVERSION TO STORAGE (AF)	IRRIGATION DIVERSIONS (AF)	IRRIGATION USE	
						Acres Irrigated	Average af/acre
20	204	14,226	673,815*	37,103	606,393	331,746	1.8
21	90	3,998	178,686	11,014	150,907	61,550	2.5
22	107	4,720	235,863	29,172	234,659	87,237	2.7
24	65	2,708	79,891	16,881	63,010	29,631	2.1
25	75	722	60,407	0	58,886	16,866	3.5
26	73	839	28,518	0	28,518	15,354	1.9
27	35	861	9,285	0	9,285	3,941	2.4
35	60	3,590	63,207	10,920	53,326	20,758	2.6
TOTAL DIV 3	709	31,664	1,329,672	105,090	1,204,984	567,083	2.1

\*Includes 15,845 AF of Diversions from the Closed Basin Project