

ROY ROMER  
Governor



JERIS A. DANIELSON  
State Engineer

## DIVISION OF WATER RESOURCES

DARIES C. LILE, P.E.  
DIVISION WATER ENGINEER  
DIVISION 7  
P.O. Drawer 1880  
DURANGO, COLORADO 81302-1880  
Office Phone: 247-1845

January 17, 1989

Dr. Jeris A. Danielson  
State Engineer  
1818 Centennial Building  
1313 Sherman St.  
Denver, Colorado 80203

Re: 1988 Annual Report: Conclusions and Suggestions

Dear Jeris:

We in Division 7 had a very active water administration year, and we were able to accomplish our primary goal of regulation and administration of water rights. There were no severe conflicts although detailed administration occurred on more streams than previously.

A review of our goals and objectives finds that the majority were met or are in the process of being accomplished. Areas that we intend to work toward improving include staff development, training, and public communications with the water community.

The transfer of the Dam Safety engineer to our office is working quite well. There seems to be a genuine attempt to improve the functioning of our agency and this is a major step toward that goal.

The one area that continues to be a problem is the general approach to processing well permits. Most permits are being approved quickly, but occasionally a trivial technicality can create a problem with water users unnecessarily. With just a minor adjustment in approach to working with the applicants, particularly if the permit will be issued, would make tremendous strides in the public perception of our agency.

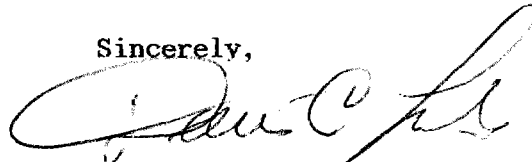
It is realized that there are numerous legal constraints in dealing with the processing of a permit, and we need to carefully evaluate the permit to prevent future legal problems. Yet most small capacity wells require only a few items to determine if they can be issued. That question should be answered

Jeris A. Danielson  
January 17, 1989  
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first i.e., can the permit be issued. If that is the case, then minor technical problems should be resolved through direct communication with the applicant rather than continuously mailing permits back for corrections and the consumption of valuable staff time, while developing a poor perception by the public.

In conclusion, we feel that there have been tremendous strides forward and the cooperation, understanding, and leadership within the agency continues to be exceptional.

Sincerely,

A handwritten signature in cursive script, appearing to read "Daries C. Lile".

Daries C. Lile  
Division Engineer

DCL:alf

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JERIS A. DANIELSON  
State Engineer

**DIVISION OF WATER RESOURCES**

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January 17, 1989

Dr. Jeris A. Danielson  
State Engineer  
818 Centennial Building  
1313 Sherman St.  
Denver, Colorado 80203

Dear Dr. Danielson:

Enclosed is the 1988 IYR Division Engineer's Report for Division 7. We have included those items that you outlined and have added additional information in the appendix which was used in preparing the report.

Sincerely,

Daries C. Lile  
Division Engineer

DCL:alf  
enclosure

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Water Admin.

## I. WATER ADMINISTRATION

### A. CURRENT WATER YEAR

The winter months were extremely dry and we received only 60% snow pack. This made it very difficult to fill the reservoirs in the Basin. It required careful management of the streams during the early spring and we were successful in filling all but Vallecito Reservoir on the Pine River.

Administrative calls were placed by water users on Elbert Creek, Four Mile Creek, Little Blanco River, Mancos River, Florida River and the Pine River. The call period began with the spring runoff in May to insure filling of reservoirs and was maintained until mid-August when we received heavy rains. There were periods in early July when some precipitation occurred, which was of benefit in helping keep storage levels high to carry the water users through the summer.

The Pine River was very carefully administered and regulated since Vallecito Reservoir did not fill. With the amount of storage that was available, water users were able to have a full supply by careful regulation and conservation practices. The water commissioner on the Pine River, Hal Pierce, did an excellent job in preparing an administrative list which delineated Indian priorities, and in doing daily accounting of all diversions and storage releases. He was called upon to operate Vallecito Reservoir at times to insure that downstream users received the water timely and within their priorities.

The Colorado Division of Wildlife completed the installation of a new five-foot Parshall flume on the Weminuche Pass Ditch in July. They had been prevented from doing the work early because of the U.S. Forest Service permit process. We would not allow them to divert until a proper flume was installed. Therefore, they did not receive water during the early part of the season, and by the time the installation was completed, they were out of priority. The flume was inspected on July 28, and 29, and was approved. Later in August and September, when administration on the Pine River was removed because of rains, they were allowed to divert.

The Dolores River did not receive a full supply of water from the snow pack, but with McPhee Reservoir in place and the excellent amount of carryover, storage water users were able to divert 4.32 acre feet per acre. With the cooperation of the Dolores Conservancy District and the Montezuma Valley Irrigation District where water users only diverted water as needed and the reservoir held water in storage for later uses, an adequate supply was available and was in effect managed, rather than strictly administered according to the priority system. It should be noted that no water user was curtailed to meet senior downstream demands, and therefore no injury resulted to water users because of management practices.

The Dolores Project is continuing to construct canals, laterals, and pump stations in the Dove Creek area. There have been 6,000 acres of new

lands now being irrigated by sprinkler irrigation systems. There is an excellent market for alfalfa and farmers who have converted their dry land fields to irrigation are able to economically pay for the new systems within one to three years because of the increased production and current prices for their product.

The pending law suit that was brought by farmers who felt that the cost for water was too high and that the repayment contract is not valid, is continuing through the court process. A special judge has been appointed to hear the matter and, to date, the case has only been argued concerning the right to bring suit in which the District requested that summary judgment be entered. There has been no decision as of this writing.

The Indian Settlement Agreement was approved by the 100th Congress during the last few days of the session, clearing the way for construction of the Animas-La Plata Project, and the finalization of the Indian reserved cases pending in the Division 7 water court. This was another major step forward in resolving the long-standing Indian litigation in Southwest Colorado. There are still several obstacles to overcome, primarily concerning the repayment contracts with the Tribes, sign-up of irrigators, and obtaining funding from the Congress to implement the Settlement Act and construction funding for the Project.

The San Juan-Chama Project was administered with only a few problems developing concerning turbid water being passed downstream. Diversions to New Mexico totaled 59,950 acre feet, of which 29,200 acre feet were diverted from the Blanco River, 29,780 acre feet from the Navajo River, and 970 acre feet from the Little Navajo. The usual meeting between the U.S. Bureau of Reclamation and our office was held in April in Chama, New Mexico, where previous years' operational problems were discussed and planning was done for the upcoming diversion year. The remote stage monitoring equipment continues to operate successfully and is a valuable tool in administering the diversions.

The newly established San Juan Conservancy District in Archuleta County has completed its first year of operation. They have begun the investigation and feasibility studies for a potential reservoir site in drainage. They have installed a Parshall flume to collect base data for evaluation of the hydrological conditions to determine water supplies and potential for filling of the reservoir. We will be making occasional readings of the flume to assist the District in the collection of data.

The Division staff continues to be available to the general public and attends most water district and conservancy district meetings, as well as providing data through cooperative agreements with the satellite monitoring equipment. Two new gages were installed with cooperation from the Animas-La Plata Conservancy District, the Southern Ute Indian Tribe, and U.S.B.R. on Long Hollow and Cherry Creek in the La Plata River drainage. The materials and construction supervision was done by hydrographer, Scott Brinton, and water commissioner, Russell Kennedy. The data is being collected with the aid of satellite monitoring equipment.



During March of this year the Southwest Conservancy District approved a three-day workshop for area water users. Our agency provided speakers on dam safety and ground water. Steve Spann spoke concerning the proposed rules and regulations for approval of plans and specifications for new reservoir construction, and Robert Longenbaugh addressed the group on recent changes involving ground water laws and rules.

In an effort to further our involvement in the water user community and improve our public relations, an annual award is being presented at our Fall meeting to an outstanding water manager in the Division. This year's award was given to John Ey of the Florida Conservancy District, who operates Lemon Reservoir. The short supply on the Florida River requires very careful management of Lemon Reservoir to insure a filling. Mr. Ey accomplished this task through his ability to cooperate with the water user community, and thus insured an adequate supply for his district.

The Division water court is very active. Although the number of cases this year only totaled 126, the majority of the pending federal reserved claims that were filed in 1976 are requiring our attention. The U.S. Forest Service claims are currently being processed, as well as a draft decree being prepared for settlement of the Indian claims. Both groups of cases is requiring considerable staff time to field check, review proposed decrees, and write consultations for the water judge. There are also public meetings being conducted to explain the Indian Settlement Agreement. Meetings are scheduled to be held in January 1989 in Pagosa Springs, Durango, and Cortez. The Division Engineer's consultations with the water court continue to resolve most cases without the need for formal hearings. This system is accepted in Division 7 and proves to be a monetary saving to the water users and time saving to the water judge.

Advancement and improvements in our local computer capabilities allowed for the completion of the water commissioner records by the first week in December. This effort and accomplishment is the result of the leadership and determination of the Assistant Division Engineer, Ken Beegles, and the cooperation of all the water commissioners. The data is entered into the computer by each individual commissioner during the water year, allowing for review as the season progresses and eliminating many of the problems associated with mass entry of data. There seems to be a problem, however, with the continued programming changes being made at the last minute and the inability of the programming to function properly. We need to test the software prior to the conclusion of the water year.

The Budget for the first six months of this budget year has been adequate. We received a minor increase in travel and operating expenses for the present fiscal year. An allocation of \$41,450 was made which represents an increase of \$1,650 over last year's allocation. However, it more realistically represents previous actual expenditures. With six months of the budget year elapsed we have spent \$22,030.17, which is 53.0% of our allocation. There will need to be some adjustments from other cost centers to cover expenditures resulting from the transfer of a dam safety engineer to our office, and increased travel and workload associated with maintaining satellite monitoring equipment. These requests will be made as needed to those cost centers when direct costs are identified.

There were four new water commissioners hired. They are: Bob Daniels, District 46, Harold Baxstrom, District 78, Val Valentine, District 29, and Bob Becker in District 71. We also increased the Division engineering staff by the transfer of Frank Kugel from our Denver Dam Safety Branch. Frank is assigned to inspect dams in Divisions 3 and 7. This has proven to be a very positive step and is functioning well.

The staff was able to take a day-long field trip to tour the Dolores Project. In addition, training was offered to the new commissioners with a one-day workshop being held by the Division and Assistant Engineers. The remaining training was done by the local water commissioner on a one to one basis as the water year progressed. The new commissioners will also be given training this spring on dam safety.

Efforts have been made to make available additional training for the staff through the organization of a Southwest Colorado State Managers Group. The group has been able to arrange for a Management Certification Program to be conducted in Durango by the State Department of Personnel in January and February of 1989. Classes will begin the first week in January, and currently, four staff members from the Division office are enrolled.

#### B. COMING WATER YEAR

The potential workload for the upcoming water year will include the completion of the Water Commissioner Training Manual that the Division was assigned the task of coordination at last year's annual meeting. Further work will be proceeding with the Indian Settlement case, and pending federal reserved claims for the U.S. Forest Service, Bureau of Reclamation, National Parks, and Bureau of Land Management. There will be efforts made to continue the cooperative programs for funding of the satellite monitoring program and computer systems.

Training of employees and staff development is becoming an increasing workload factor. In part, this is due to our technical advancement in water monitoring techniques, and necessity to improve our staff to maintain the standard of quality to the water user while working with limited resources.

The San Juan-Chama diversion project may bring additional problems as a result of failure of the Bureau of Reclamation to recognize the serious problems associated with turbid water coming down the Blanco River when their sediment basin is being sluiced and dredged. There have been several complaints from local water users along the streams and water quality, although not a direct water right problem, does cause problems with plugging of pumps and diversion structures.

The staff has completed an extensive review of existing augmentation plans and exchanges within the Division. During the next irrigation season more detailed attention will be needed to insure compliance of existing augmentation plans. Currently, the majority of the wells under augmentation are being monitored and replacements to the stream have been made. However, we need to improve our understanding of the existing decrees to insure proper administration.

It is difficult to predict the available water supply for the next season at this time of the beginning of the snowpack. Last year we received several December storms, but then the remainder of the winter was dry. Consequently, we hesitate to project the water supply.

## Statistic Info

TRANSMOUNTAIN DIVERSIONS SUMMARY

1988 WATER YEAR

DIVISION VII

SOURCE

| WD | NAME                          | STREAM            | PREVIOUS YEAR |      | IYR OF RECORD |      |      | W.D.           | STREAM |
|----|-------------------------------|-------------------|---------------|------|---------------|------|------|----------------|--------|
|    |                               |                   | A.F.          | DAYS | A.F.          | A.F. | DAYS |                |        |
|    |                               |                   |               |      |               |      |      |                |        |
| 20 | TREASURE PASS DITCH           | RIO GRANDE RIVER  | 0             | 0    | 223           | 57   | 29   | SAN JUAN RIVER |        |
| 68 | CARBON LAKE DITCH             | UNCOMPAGHRE RIVER | 174           | 115  | 574           | 133  | 30   | ANIMAS RIVER   |        |
| 68 | MINERAL POINT DITCH           | UNCOMPAGHRE RIVER | 141           | 69   | 120           | 57   | 30   | ANIMAS RIVER   |        |
| 68 | RED MOUNTAIN DITCH            | UNCOMPAGHRE RIVER | 39.0          | 28   | 2.78          | 14   | 30   | ANIMAS RIVER   |        |
| 20 | PINE RIVER-WEMINUCHE PASS D.  | RIO GRANDE RIVER  | 575           | 99   | 865           | 83   | 31   | PINE RIVER     |        |
| 20 | WEMINUCHE PASS DITCH          | RIO GRANDE RIVER  | 0             | 0    | 596           | 61   | 31   | PINE RIVER     |        |
| 20 | WILLIAMS CREEK SQUAW PASS     | RIO GRANDE RIVER  | 530           | 91   | 230           | 63   | 78   | PIEDRA RIVER   |        |
| 20 | DON LA FONT #1(S. River Peak) | RIO GRANDE RIVER  | 16.6          | 43   | 234           | 148  | 78   | PIEDRA RIVER   |        |
| 20 | DON LA FONT #2(Piedra Pass D) | RIO GRANDE RIVER  | 350           | 92   | 552           | 147  | 78   | PIEDRA RIVER   |        |

RESERVOIR STORAGE SUMMARIES

1988

| ID | RESERVOIR NAME         | STREAM SOURCE                   | PREVIOUS IYR  |                    | IYR OF RECORD |                    |              |     |        |
|----|------------------------|---------------------------------|---------------|--------------------|---------------|--------------------|--------------|-----|--------|
|    |                        |                                 | BEG. IYR A.F. | Beg. Irr. Season % | BEG. IYR A.F. | BEG. IRR. SEASON % | END IYR A.F. |     |        |
| 29 | Echo Canyon Reservoir  | Echo Creek                      | 2,149         | 100                | 2,000         | 92                 | 2,149        | 100 | 2,149  |
| 29 | Harris Bros & Boone #2 | Blanco River                    | 206           | 100                | 114           | 55                 | 206          | 100 | 114    |
| 29 | TOTAL ALL OTHERS       |                                 | 160           | 51                 | 155           | 50                 | 313          | 100 | 287    |
|    | TOTALS                 |                                 | 2,515         |                    | 2,269         |                    | 2,668        |     | 2,550  |
| 30 | Cascade Reservoir      | Cascade Creek                   | 17,797        | 76                 | 18,654        | 80                 | 22,885       | 98  | 21,890 |
| 30 | Durango Regulatory     | Florida River                   | 227           | 100                | 227           | 100                | 227          | 100 | 227    |
| 30 | Johnson Reservoir      | La Plata River & Lightner Creek | 1,136         | 100                | 1,024         | 90                 | 1,136        | 100 | 889    |
| 30 | Lemon Reservoir        | Florida River                   | 25,316        | 63                 | 20,430        | 51                 | 40,144       | 100 | 30,173 |
| 30 | TOTAL ALL OTHERS       |                                 | 4,191         | 90                 | 3,945         | 89                 | 4,455        | 100 | 3,197  |
|    | TOTALS                 |                                 | 48,667        |                    | 44,280        |                    | 68,108       |     | 56,376 |
| 31 | Vallecito Reservoir    | Pine River                      | 64,292        | 50                 | 58,223        | 45                 | 107,000      | 83  | 74,000 |
| 31 | Wommer Reservoir       | Bear Creek                      | 208           | 100                | 208           | 100                | 208          | 100 | 208    |
| 31 | TOTAL ALL OTHERS       |                                 | 131           | 78                 | 131           | 79                 | 166          | 100 | 125    |
|    | TOTALS                 |                                 | 64,631        |                    | 58,562        |                    | 107,374      |     | 74,333 |

RESERVOIR STORAGE SUMMARIES  
1988

| D  | RESERVOIR NAME         | STREAM SOURCE     | PREVIOUS IYR                             |     | IYR OF RECORD         |     |        |     |        |     |        |
|----|------------------------|-------------------|--|-----|-----------------------|-----|--------|-----|--------|-----|--------|
|    |                        |                   | BEG. IYR A.F.                            | %   | BEG. IRR. SEASON A.F. | %   |        |     |        |     |        |
| 32 | A. M. Puett Reservoir  | Dolores River     | 658                                      | 27  | 2,402                 | 100 | 586    | 24  | 2,402  | 100 | 423    |
| 32 | Narraguinnep Res.      | Dolores River     | 14,575                                   | 77  | 18,960                | 100 | 14,575 | 77  | 18,960 | 100 | 14,575 |
| 32 | Totten Reservoir       | Dolores River     | 2,384                                    | 70  | 3,302                 | 97  | 2,168  | 64  | 3,063  | 90  | 2,384  |
| 32 | TOTAL ALL OTHERS       |                   | 127                                      | 65  | 127                   | 65  | 127    | 65  | * 91   | 71  | 91     |
|    |                        | TOTALS            | 17,744                                   |     | 24,791                |     | 17,456 |     | 24,516 |     | 17,473 |
|    |                        |                   | *Total changed to 128 AF=100% this year. |     |                       |     |        |     |        |     |        |
| 33 | Red Mesa Ward Res.     | La Plata River    | 940                                      | 80  | 1,176                 | 100 | 288    | 24  | 1,176  | 100 | 0.00   |
| 33 | TOTAL ALL OTHERS       |                   | 86                                       | 100 | 86                    | 100 | 86     | 100 | 96     | 100 | 96     |
|    |                        | TOTALS            | 1,026                                    |     | 1,262                 |     | 374    |     | 1,272  |     | 96     |
| 34 | Bauer Res. No. 1       | Crystal Creek     | 177                                      | 58  | 256                   | 84  | 115    | 38  | 256    | 84  | 98     |
| 34 | Bauer Res. No. 2       | Chicken Creek     | 1,054                                    | 69  | 1,533                 | 100 | 880    | 57  | 1,533  | 100 | 966    |
| 34 | Jackson Gulch Res.     | Mancos River      | 6,456                                    | 66  | 9,948                 | 100 | 5,114  | 51  | 9,948  | 100 | 7,276  |
| 34 | Sellars & McClane Res. | Mud Creek         | 52                                       | 100 | 52                    | 100 | 17     | 33  | 52     | 100 | 24     |
| 34 | Weber Reservoir        | Middle Fk. Mancos | 145                                      | 32  | 442                   | 100 | 231    | 52  | 442    | 100 | 200    |
| 34 | TOTAL ALL OTHERS       |                   | 7  | .05 | 102                   | 81  | 16     | 13  | 81     | 64  | 10     |
|    |                        | TOTALS            | 7,891                                    |     | 12,333                |     | 6,373  |     | 12,312 |     | 8,574  |

RESERVOIR STORAGE SUMMARIES

1988

| ID | RESERVOIR NAME        | STREAM SOURCE     | PREVIOUS IYR |                  |          | IYR OF RECORD    |         |         |
|----|-----------------------|-------------------|--------------|------------------|----------|------------------|---------|---------|
|    |                       |                   | BEG. IYR     | Beg. Irr. Season | BEG. IYR | BEG. IRR. SEASON | END YR  |         |
|    |                       |                   | A.F.         | A.F.             | A.F.     | A.F.             | A.F.    |         |
| 69 | Belmar Lake Reservoir | Rincon Creek      | 0            | 0                | 0        | 0                | 0       | 0       |
| 69 | Morrison Reservoir    | Morrison Creek    | 116          | 100              | 116      | 100              | 100     | 100     |
| 69 | TOTAL ALL OTHERS      |                   | 115          | 89               | 129      | 100              | 95      | 120     |
|    | TOTALS                |                   | 231          |                  | 245      |                  | 222     | 236     |
| 71 | Big Pine Reservoir    | Lost Canyon Creek | 209          | 45               | 259      | 72               | 109     | 259     |
| 71 | Groundhog Reservoir   | Groundhog Creek   | 14,830       | 68               | 21,490   | 99               | 10,300  | 20,180  |
| 71 | Summit Reservoir      | Lost Canyon Creek | 2,025        | 40               | 5,012    | 100              | 1,298   | 5,012   |
| 71 | McPhee Reservoir      | Dolores River     | 290,082      | 73               | 378,375  | 95               | 326,012 | 379,380 |
| 71 | TOTAL ALL OTHERS      |                   | 246          | 94               | 262      | 100              | 162     | 263     |
|    | TOTALS                |                   | 307,392      |                  | 405,398  |                  | 337,881 | 405,094 |
| 77 | Sappington Reservoir  | Coyote Creek      | 41           | 12               | 320      | 100              | 216     | 320     |
| 77 | Spence Reservoir      | Coyote Creek      | 62           | 14               | 441      | 100              | 350     | 441     |
| 77 | TOTAL ALL OTHERS      |                   | 15           | 16               | 15       | 16               | 15      | 15      |
|    | TOTALS                |                   | 118          |                  | 776      |                  | 581     | 776     |



RESERVOIR STORAGE SUMMARIES

1988

| WD | RESERVOIR NAME          | STREAM SOURCE      | PREVIOUS IYR  |                    | IYR OF RECORD |                    |              |     |        |
|----|-------------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------|-----|--------|
|    |                         |                    | BEG. IYR A.F. | Beg. Irr. Season % | BEG. IYR A.F. | BEG. IRR. SEASON % | END IYR A.F. |     |        |
| 78 | G. S. Hatcher Reservoir | Stollsteimer Creek | 1,734         | 100                | 1,734         | 100                | 1,735        | 100 | 1,500  |
| 78 | Lake Forest Reservoir   | Stollsteimer Creek | 460           | 92                 | 500           | 100                | 400          | 80  | 216    |
| 78 | Linn & Clark Reservoir  | Dutton Creek       | 1,120         | 100                | 1,230         | 100                | 947          | 95  | 1,175  |
| 78 | Pargin Reservoir        | Stollsteimer Creek | 531           | 100                | 531           | 100                | 531          | 100 | 506    |
| 78 | Stevens Reservoir       | Dutton Creek       | 635           | 100                | 635           | 100                | 424          | 67  | 635    |
| 78 | Town Center Res.        | Stollsteimer Creek | 600           | 100                | 600           | 100                | 360          | 60  | 360    |
| 78 | Williams Creek Res.     | Williams Creek     | 10,084        | 100                | 10,084        | 100                | 10,084       | 100 | 10,084 |
| 78 | TOTAL ALL OTHERS        |                    | 280           | 74                 | 379           | 100                | 269          | 53  | 302    |
|    |                         |                    | 15,444        |                    | 15,693        |                    | 14,633       |     | 14,778 |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |
|    |                         |                    |               |                    |               |                    |              |     |        |

WATER DIVERSION SUMMARIES BY DISTRICT  
1988

| WD    | TOTAL DITCHES REPORTING   |     |          |    | ESTIMATED<br>NUMBER OF<br>VISITATIONS | TOTAL<br>DIVERSIONS<br>- AF - | TOTAL<br>DIVERSIONS<br>TO STORAGE<br>- AF - | TOTAL<br>DIVERSIONS<br>- AF - | IRRIGATION                      |                        |
|-------|---|-----|----------|----|---------------------------------------|-------------------------------|---|-------------------------------|---------------------------------|------------------------|
|       | ACTIVE  |     | INACTIVE |    |                                       |                               |   |                               | NUMBER OF<br>ACRES<br>IRRIGATED | AVERAGE<br>AF PER ACRE |
|       | WA  | NWA | NU       | NR |                                       |                               |   |                               |                                 |                        |
| 29    | 256   | 0   | 71       | 20 | 3,150                                 | 86,869                        | 629   | 44,769                        | 12,297                          | 3.64                   |
| 30    | 777   | 11  | 326      | 3  | 8,421                                 | 247,763                       | 41,605                                      | 159,381                       | 34,229                          | 4.66                   |
| 31    | 329   | 2   | 110      | 0  | 5,399                                 | 257,231                       | 65,629                                      | 215,100                       | 56,832                          | 3.78                   |
| 32    | 237   | 0   | 76       | 1  | 4,352                                 | 50,603                        | 13,318                                      | 204,347 <sup>1/</sup>         | 47,328                          | 4.32                   |
| 33    | 112   | 0   | 35       | 1  | 5,279                                 | 36,271                        | 1,227                                       | 29,106                        | 11,597                          | 2.51                   |
| 34    | 91  | 0   | 17       | 1  | 1,408                                 | 43,704                        | 6,931                                       | 39,245 <sup>2/</sup>          | 10,752                          | 3.65                   |
| 46    | 38  | 1   | 6        | 0  | 718                                   | 8,337                         | 0   | 8,337                         | 1,651                           | 5.05                   |
| 69    | 22  | 0   | 21       | 0  | 173                                   | 3,432                         | 0   | 3,309                         | 1,210                           | 2.73                   |
| 71    | 112   | 0   | 83       | 7  | 2,647                                 | 212,884                       | 83,775                                      | 6,396                         | 1,458                           | 4.39                   |
| 77    | 91  | 0   | 13       | 0  | 2,105                                 | 60,872                        | 294   | 24,685                        | 3,943                           | 6.26                   |
| 78    | 122   | 2   | 47       | 5  | 2,230                                 | 23,912                        | 437   | 21,682                        | 6,938                           | 3.13                   |
| TOTAL | 2,187   | 16  | 805      | 38 | 35,882                                | 1,031,878                     | 213,845                                     | 756,357                       | 188,235                         | 4.02                   |
| 1/    | Total deliveries from transbasin (Dist. 71) 161,801 AF, of which 143,788 AF were for irrigation |     |          |    |                                       |                               |   |                               |                                 |                        |
| 2/    | Total deliveries from transbasin (Dist. 71) 880 AF, of which 788 AF were for irrigation.        |     |          |    |                                       |                               |   |                               |                                 |                        |

WATER DIVERSION SUMMARIES BY DISTRICT IN ACRE FEET (Continued)

1988

| WD    | TRANS-MTN. OUTFLOW  | TRANS-BASIN OUTFLOW   | STOCK  | MUN.                | DOMES. | INDUS. | REC. | FISH   | COMMER. | OTHER | INTERSTATE/COMPACT   |
|-------|---|-----------------------|--------|---------------------|--------|--------|------|--------|---------|-------|----------------------|
| 29    | 427   | 1,409                 | 6,117  | 1,238               | 64     | 0      | 0    | 817    | 2,197   | 0     | 29,202 <sup>1/</sup> |
| 30    | 697   | 0                     | 14,922 | 4,665               | 194    | 29,657 | 0    | 14,700 | 554     | 34    | 7,309                |
| 31    | 1,461   | 0                     | 1,146  | 892                 | 54     | 0      | 0    | 0      | 70      | 0     | 0                    |
| 32    | 0   | 0                     | 1,800  | 4,096 <sup>2/</sup> | 13     | 0      | 0    | 0      | 1       | 0     | 0                    |
| 33    | 0   | 744                   | 4,567  | 4                   | 23     | 0      | 0    | 0      | 4       | 2     | 1,631 <sup>3/</sup>  |
| 34    | 0   | 0                     | 2,435  | 1,112               | 12     | 0      | 186  | 0      | 0       | 0     | 0                    |
| 46    | 0   | 0                     | 0      | 0                   | 0      | 0      | 0    | 0      | 0       | 0     | 0                    |
| 69    | 0   | 0                     | 82     | 0                   | 2      | 0      | 0    | 39     | 0       | 0     | 0                    |
| 71    | 0   | 119,092 <sup>4/</sup> | 189    | 465                 | 33     | 0      | 0    | 3,029  | 4       | 0     | 0                    |
| 77    | 0   | 0                     | 543    | 0                   | 19     | 1      | 0    | 5,024  | 2       | 0     | 30,749 <sup>1/</sup> |
| 78    | 1,016   | 0                     | 838    | 649                 | 59     | 0      | 0    | 1,218  | 51      | 0     | 0                    |
| TOTAL | 3,601   | 121,245               | 32,639 | 13,121              | 473    | 29,658 | 186  | 24,827 | 2,883   | 36    | 68,891               |
| 1/    | Diverted through San Juan-Chama Project to New Mexico               |                       |        |                     |        |        |      |        |         |       |                      |
| 2/    | 4,096 AF delivered from transbasin - District 71                    |                       |        |                     |        |        |      |        |         |       |                      |
| 3/    | Total diverted by Enterprise and Pioneer Ditches only to New Mexico |                       |        |                     |        |        |      |        |         |       |                      |
| 4/    | Diverted to Districts 34 and 32                                     |                       |        |                     |        |        |      |        |         |       |                      |

LA PLATA RIVER COMPACT MONTHLY ADMINISTRATIVE SUMMARY IN ACRE FEET

1988

| MONTH     | HESPERUS<br>STATION | LA PLATA<br>& CHERRY |       | PINE<br>RIDGE |       | HESPERUS<br>TOTAL | STATE<br>STATION | ENTERPRISE<br>(N. MEX) |      | PIONEER<br>DITCH | DELIVERED<br>STATE LINE<br>TOTAL | REQUIRED<br>DELIVERY<br>1/2 HESP. |
|-----------|---------------------|----------------------|-------|---------------|-------|-------------------|------------------|------------------------|------|------------------|----------------------------------|-----------------------------------|
|           |                     | CR. DITCH            | DITCH | DITCH         | DITCH |                   |                  |                        |      |                  |                                  |                                   |
| DECEMBER  | 629                 | 0                    | 0     | 0             | 0     | 1250              | 3320             | 0                      | 0    | 0                | 3320                             |                                   |
| JANUARY   | 508                 | 0                    | 0     | 0             | 0     | 633               | 1850             | 0                      | 0    | 0                | 1850                             |                                   |
| FEBRUARY  | 468                 | 0                    | 0     | 0             | 0     | 631               | 2730             | 0                      | 0    | 0                | 2730                             |                                   |
| MARCH     | 1370                | 0                    | 0     | 0             | 0     | 1330              | 649              | 0                      | 0    | 0                | 649                              |                                   |
| APRIL     | 4120                | 0                    | 130   | 130           | 19    | 4250              | 2390             | 19                     | 130  | 130              | 2540                             | 1180                              |
| MAY       | 7250                | 961                  | 451   | 451           | 147   | 8660              | 3700             | 147                    | 112  | 112              | 3950                             | 3980                              |
| JUNE      | 4430                | 1660                 | 277   | 277           | 143   | 6360              | 3070             | 143                    | 197  | 197              | 3400                             | 3200                              |
| JULY      | 1460                | 333                  | 80    | 80            | 126   | 1870              | 809              | 126                    | 140  | 140              | 1070                             | 974                               |
| AUGUST    | 1520                | 456                  | 31    | 31            | 156   | 2010              | 751              | 156                    | 112  | 112              | 1010                             | 970                               |
| SEPTEMBER | 1860                | 272                  | 81    | 81            | 135   | 2220              | 878              | 135                    | 117  | 117              | 1120                             | 1140                              |
| OCTOBER   | 730                 | 59.1                 | 0     | 0             | 83    | 789               | 434              | 83                     | 85   | 85               | 594                              | 407                               |
| NOVEMBER  | 560                 | 0                    | 0     | 0             | 23    | 560               | 817              | 23                     | 109  | 109              | 949                              |                                   |
| TOTAL     | 24905               | 3741.1               | 1050  | 1050          | 832   | 30563             | 21398            | 832                    | 1002 | 1002             | 23182                            | 11851                             |

NEW MEXICO REQUESTED REQUIRED AMOUNT UP TO 55 CFS +ENTERPRISE + PIONEER FLOW, APRIL 15, 1988

NEW MEXICO REQUESTED REQUIRED AMOUNT UP TO 60 CFS +ENTERPRISE + PIONEER FLOW, MAY 1, 1988

NEW MEXICO REQUESTED REQUIRED AMOUNT UP TO 80 CFS +ENTERPRISE + PIONEER FLOW, MAY 13, 1988

NEW MEXICO REQUESTED REQUIRED AMOUNT UP TO 90 CFS, MAY 21, 1988

UPPER BASIN COMPACT  
SAN JUAN-CHAMA DIVERSIONS

| WATER YEAR | RIO BLANCO DIVERSION | LITTLE OSO DIVERSION | OSO DIVERSION | TOTAL COLO. DIVERSION | AZOTEA TUNNEL USGS BOOKS | TEN-YEAR TOTALS (USGS) |
|------------|----------------------|----------------------|---------------|-----------------------|--------------------------|------------------------|
| 1971       | 25,190               | 1,340                | 24,980        | 51,510                | 59,980                   |                        |
| 1972       | 28,290               | 1,120                | 24,310        | 53,720                | 58,070                   |                        |
| 1973       | 70,900               | 9,720                | 79,810        | 160,430               | 153,300                  |                        |
| 1974       | 25,290               | 1,070                | 18,700        | 45,060                | 47,230                   |                        |
| 1975       | 58,780               | 8,120                | 69,200        | 136,100               | 145,100                  |                        |
| 1976       | 41,000               | 2,420                | 36,950        | 80,370                | 85,230                   |                        |
| 1977       | 13,450               | 37                   | 3,930         | 17,417                | 19,390                   |                        |
| 1978       | 44,010               | 2,820                | 50,310        | 97,140                | 104,200                  |                        |
| 1979       | 60,150               | 8,980                | 87,730        | 156,860               | 164,200                  |                        |
| 1980       | 57,760               | 6,970                | 72,460        | 137,190               | 143,600                  | 980,300                |
| 1981       | 25,690               | 1,640                | 22,260        | 49,590                | 53,960                   | 974,280                |
| 1982       | 48,340               | 6,860                | 63,810        | 119,010               | 127,100                  | 1,043,310              |
| 1983       | 46,960               | 8,110                | 69,680        | 124,750               | 134,300                  | 1,024,310              |
| 1984       | 45,180               | 6,070                | 55,220        | 106,470               | 113,600                  | 1,090,680              |
| 1985       | 32,700               | 9,630                | 44,630        | 86,960                | 91,800                   | 1,037,380              |
| 1986       | 35,520               | 4,720                | 43,620        | 83,860                | 89,180                   | 1,041,330              |
| 1987       | 32,120               | 4,380                | 42,360        | 78,860                | 83,050                   | 1,104,990              |
| 1988       | 29,200               | 972                  | 29,780        | 59,952                |                          |                        |
| AVG.       | 40,666               | 4,942                | 47,645        | 93,253                | 98,429                   | 1,037,073              |

LIMITS: 1,350,000 ACRE- FEET IN TEN CONSECUTIVE YEARS  
270,000 ACRE- FEET IN ANY ONE YEAR

PLANS FOR AUGMENTATION

1988

| Water Court Case # | Name                                      | Water Dist. | Stream       | Amount of Water to be Released (AF or cfs) | Time of Release | Brief Statement of Plan   |
|--------------------|---|-------------|--------------|--|-----------------|---|
| 88CW17             | Harris-Patterson Ditch, First Enlargement | 30          | Florida R.   | .01 c.f.s.                                 |                 | For Luchies Wells #1-4, domestic use for a total of 0.7168 AF/yr.   |
| 88CW64             | Radcliff Devil Creek Ditch                | 78          | Piedra R.    | 0.63 c.f.s.                                |                 | CPD to Keyah Grande Pond No. 2 for augmentation for fisheries and recreation; take 6.50 acres out of irrigation |
| 86CW86             | Dwyer Ditch                               | 30          | Junction Cr. | .135 cfs                                   |                 | To augment domestic use for 11 units and onsite sewage disposal system  |

WATER DIVISION NO. 7  
ACTIVITY SUMMARY FY 1988

| <u>ACTIVITY</u>   | <u>TOTALS</u> |
|---|---------------|
| NUMBER OF PROFESSIONAL AND TECHNICAL STAFF                    | 3             |
| NUMBER OF CLERICAL STAFF                                      | 1             |
| NUMBER OF WATER COMMISSIONER FTE ASSIGNED                     | 16            |
| NUMBER OF DECREED SURFACE RIGHTS                              | 130           |
| NUMBER OF SURFACE RIGHTS ADMINISTERED                         | 27,220        |
| NUMBER OF WELLS   | 482           |
| NUMBER OF PLANS FOR AUGMENTATION                              | 5             |
| NUMBER OF CONSULTATIONS WITH REFEREE                          | 117           |
| NUMBER OF WATER COURT APPEARANCES                             | 2             |
| NUMBER OF MEETINGS WITH WATER USERS                           | 127           |
| NUMBER OF MEETINGS TO RESOLVE WATER RELATED DISPUTES          | 43            |
| NUMBER OF CONTACTS TO GIVE PUBLIC ASSISTANCE ON WATER MATTERS | 12,109        |

WATER COURT ACTIVITIES

CALENDAR YEAR 1988

|   |     |
|---|-----|
| NUMBER OF APPLICATIONS FOR DECREES      | 127 |
| NUMBER OF CONSULTATIONS WITH REFEREE    | 131 |
| NUMBER OF DECREES ISSUED BY WATER COURT | 93  |

TYPE OF DECREE:

|                        |    |
|------------------------|----|
| SURFACE WATER          | 61 |
| GROUND WATER           | 35 |
| RESERVOIRS             | 13 |
| TRANSFER )             | 4  |
| ALTERNATE POINT )      | 2  |
| CHANGE IN USE )        | 1  |
| PLANS FOR AUGMENTATION | 3  |
| IN-STREAM FLOW         | 13 |
| OTHER                  | 33 |

NUMBER OF STRUCTURES IN DECREES:

TYPES OF STRUCTURES:

|   |    |
|---|----|
| DITCHES                                 | 20 |
| RESERVOIRS                              | 13 |
| WELLS                                   | 36 |
| OTHER (SPRINGS, PIPELINES, PUMPS, ETC.) | 31 |



OFFICE ADMINISTRATION FYR 1988

| <u>NAME</u>                  | <u>POSITION</u>             | <u>FISCAL YEAR</u>      |               | <u>FISCAL YEAR</u> |
|------------------------------|-----------------------------|-------------------------|---------------|--------------------|
|                              |                             | <u>MONTHS BUDGETED/</u> | <u>WORKED</u> |                    |
| DARIES C. LILE               | DIVISION ENGINEER           | 12                      | 12            | 1,046 P            |
| KENNETH A. BEEGLES           | ASS'T. DIVISION ENGINEER    | 12                      | 12            | 2,126 P            |
| SCOTT D. BRINTON             | HYDROGRAPHER, E.I.T.        | 12                      | 12            | 9,852 S*           |
| FRANK J. KUGEL <sup>1/</sup> | SR. WATER RESOURCE ENGINEER |                         |               | 770 P              |
| ANN-LOUISE FAUTH             | SENIOR SECRETARY            | 12                      | 12            | 16,885 S           |

FULL TIME EMPLOYEES IN FIELD

| <u>NAME</u>                     | <u>POSITION</u> | <u>DISTRICT</u> |      |      |          |
|---------------------------------|-----------------|-----------------|------|------|----------|
| WILLIAM E. BAKER                | W.C. C          | 32              | 12   | 12   | 10,121 P |
| RICHARD G. BALTZELL             | W.C. C          | 30-Florida      | 12   | 12   | 9,840 P  |
| ROY M. BROWN, JR. <sup>2/</sup> | W.C. C          | 78              | 2.00 | 2.00 | 3,273 P  |
| GLEN E. HUMISTON                | SR. W.C.        | 32,34,69,71     | 12   | 12   | 5,798 P  |
| J. RUSSELL KENNEDY              | SR. W.C.        | 33              | 12   | 12   | 8,156 S  |
|                                 |                 |                 |      |      | 4,146 P  |
|                                 |                 |                 |      |      | 9,808 S  |
| WILLIAM P. LYNN <sup>3/</sup>   | W.C. C          | 29,77,78        | 2.00 | 1.50 | 2,270 P  |
| DAVID A. NELSON                 | W.C. B          | 30-Animas       | 12   | 12   | 12,170 P |
| HAL M. PIERCE                   | W.C. B          | 31,46           | 12   | 12   | 16,150 P |
| JOHN E. VALENTINE <sup>4/</sup> | W.C. B          | 29,77,78        | 4.00 | 4.00 | 4,918 P  |

PERMANENT PART-TIME EMPLOYEES IN FIELD

|                                  |        |             |        |        |                |
|----------------------------------|--------|-------------|--------|--------|----------------|
| HAROLD L. BAXSTROM <sup>5/</sup> | W.C. A | 29,78       | 2.00   | 2.00   | 2,088 P        |
| ROBERT R. BECKER <sup>6/</sup>   | W.C. B | 69,71       | 2.00   | 2.26   | 2,027 P        |
| ROBERT E. DANIELS <sup>7/</sup>  | W.C. A | 31,46       | 2.00   | 2.26   | 2,434 P        |
| RICHARD ROBRA <sup>8/</sup>      | W.C. A | 31,46       | 2.60   | 1.71   | 4,770 P        |
| MATTHEW A. SCHMITT               | W.C. A | 33          | 4.00   | 5.08   | 4,355 P        |
| SHERRY L. SCHUTZ                 | W.C. B | 77          | 7.00   | 7.57   | 6,922 P        |
| JOHN J. TAYLOR                   | W.C. B | 78          | 6.25   | 6.18   | 5,886 P        |
|                                  |        | TOTALS      | 33.85  | 34.56  | 101,110 P      |
|                                  |        | GRAND TOTAL | 153.85 | 154.56 | 44,701 S       |
|                                  |        |             |        |        | <u>145,811</u> |

\*Vehicle used by D.E., A.D.E., & other personnel from Denver Office

FOOTNOTES

1. Dam Safety Inspector moved from Denver Office, for Divisions 3 and 7.
2. Temporarily rehired to train new employees.
3. Temporarily rehired to train new employees.
4. Hired in March to fill vacancy.
5. Hired in May to fill vacancy.
6. Hired in April to fill vacancy.
7. Hired in April to replace Richard Robra.
8. Resigned in September, 1987.

Animas River

DISTRICT 30--A AUGMENTED WELLS

| <u>AUGMENTED WELL</u>       | <u>AUGMENTING STRUCTURE OR PLAN</u> | <u>STATUS</u> |
|-----------------------------|-------------------------------------|---------------|
| 5089 ANIMAS WELL #1         | 3720 BONNER POND                    | ACTIVE        |
| 5090 ANIMAS WELL #2         | 3720 BONNER POND                    | ACTIVE        |
| 5084 DURANGO ESTATES WELL 1 | DURANGO ESTATES LAKE & SITES D.     | INACTIVE      |
| 5085 DURANGO ESTATES WELL 2 | DURANGO ESTATES LAKE & SITES D.     | INACTIVE      |
| 6224 DURANGO WEST WELLS 5,6 | VAN ENDERT D. AND COVERT D. 80CW58  | ACTIVE        |
| 6243 DURANGO WEST WELL 3    | LA PLATA IRRIGATING D. 82CW48       | ACTIVE        |
| 6244 DURANGO WEST WELL 7    | LA PLATA IRRIGATING D. 82CW48       | ACTIVE        |
| 6244 DURANGO WEST WELL 8    | LA PLATA IRRIGATING D. 82CW48       | ACTIVE        |
| 5080 FJERSTAD WELLS 1,2     | 3720 BONNER POND                    | ACTIVE        |
| 3770 FLYING S WELLS         | FLYING S POND                       | INACTIVE      |
| 5026 GOLF HOST WEST D-1     | TAMARRON AUG PLAN W-1095            | ACTIVE        |
| 5103 HAYS WELL.             | BUTLER D.                           | INACTIVE      |
| 3700 LAKEWOOD MEADOWS SUB 2 | BRADFORD RESERVOIR                  | ACTIVE        |
| 6176 LA PLATA VISTA WELLS   | LA PLATA IRRIGATING D. W-1535       | ACTIVE        |
| 5112 PERMISON WELL 1        | 3733 PERMISON RESERVOIR             | INACTIVE      |
| 5093 PERMISON WELL 2        | 3747 PERMISON RESERVOIR #2          | INACTIVE      |
| 5048 PURGATORY WELL 1       | PURGATORY AUG. PLAN 80CW135         | ACTIVE        |
| 5049 PURGATORY WELL 2       | PURGATORY AUG. PLAN 80CW135         | INACTIVE      |
| 5050 PURGATORY WELL 3       | PURGATORY AUG. PLAN 80CW135         | INACTIVE      |
| 5095 PURGATORY WELL 4       | PURGATORY AUG. PLAN 80CW135         | ACTIVE        |
| 5096 PURGATORY WELL 5       | PURGATORY AUG. PLAN 80CW135         | ACTIVE        |
| 6173 RAFTER J 182B WELL.    | LA PLATA IRRIGATING D. W-1446       | ACTIVE        |
| 6296 RAFTER J 182C WELL.    | LA PLATA IRRIGATING D. W-1446       | ACTIVE        |
| 6174 RAFTER J 214 WELL.     | LA PLATA IRRIGATING D. W-1446       | INACTIVE      |
| 6175 RAFTER J 47 WELL       | LA PLATA IRRIGATING D. W-1446       | INACTIVE      |
| 5091 SAN HILL WELL 1        | 3742 SAN HILL RESERVOIR #1          | INACTIVE      |
| 5118 TAMARRON WELL D-2      | TAMARRON AUG. PLAN W-1095           | INACTIVE      |
| 5119 TAMARRON WELL D-3      | TAMARRON AUG. PLAN W-1095           | INACTIVE      |

Florida R. Wells

JANUARY 17, 1989

DIVISION 7 DISTRICT 30 FLORIDA RIVER

AUGMENTED WELLS AND SPRINGS FOR RESIDENTIAL AND SUBDIVISION USE

ALL WELLS AND SPRINGS METERED EXCEPT NOTED

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I.D.

6203 ARCHER WELL  
6139 ASPEN TRAILS NO. 1 WELL  
6140 ASPEN TRAILS NO. 2 WELL  
6141 ASPEN TRAILS NO. 3 WELL  
6142 ASPEN TRAILS NO. 4 WELL  
6264 ACCETTA WELL - NOT CONSTRUCTED  
6153 BEACHY WELL  
6269 BLUE SPRUCE NO. 1 WELL  
6205 BOOKER WELL - NOT CONSTRUCTED  
6265 BOWSER WELL  
6199 BRUCE WELL  
6014 CAMP SILVER SPRUCE NO. 1 WELL - FOREST GROVES SUBDIVISION  
6015 CAMP SILVER SPRUCE NO. 2 WELL - FOREST GROVES SUBDIVISION  
6221 CLARK WELL  
1408 COLVIG SPRING  
6260 COLVIG WELL NO. 1  
6261 COLVIG WELL NO. 2  
6155 COUNTRY AIRE ESTATES - 18 WELLS - 17 METERED - 1 WELL NOT IN USE  
6156 COWBOY WELL - COMMERCIAL  
6206 CRUM WELL NO. 1  
6207 CRUM WELL NO. 2  
6170 CULHANE HILLS SUBDIVISION WELLS - 6 WELLS - 5 METERED  
6208 DANIELS WELL  
1398 EDMONT RANCH PUMPING STATION  
6254 ELLIS WELL NO. 1 - NOT CONSTRUCTED  
6255 ELLIS WELL NO. 2 - NOT CONSTRUCTED  
6170 FLANNAGEN WELL  
1101 FLORIDA RIVER ESTATES SPRING  
6223 FROMER WELL - NOT PUT TO BENEFICIAL USE  
6170 GIBBONS & CULHANE WELL - NOT CONSTRUCTED  
6209 GRAY WELL  
6184 HACIENDA DE LA FLORIDA - 4 WELLS  
6210 HATCH WELL  
6248 HATCH WELLS - 3 - NOT CONSTRUCTED  
6253 HICKS WELL  
6252 HOOD WELL - NOT CONSTRUCTED  
6249 KAIME WELL - NOT CONSTRUCTED  
6240 LA CHERADE PARK WELL  
6201 LOS RANCHITOS WELL NO. 2  
6201 LOS RANCHITOS WELL NO. 3  
6201 LOS RANCHITOS HOMEOWNER WELL - 4 WELLS  
6160 LUTTRELL WELL  
6185 MAC DOUGALL WELL - TWO HOUSEHOLDS  
6163 MOUNTAIN MEADOWS SUBDIVISION - 3 WELLS  
6233 MOUNTAIN VISTA RANCHES NO. 2 WELL

I.D.

6241 O-BAR-O WELL  
6236 PURDY NO. 1 WELL  
6237 PURDY NO. 2 WELL - NOT CONSTRUCTED  
6238 PURDY NO. 3 WELL  
6082 RANCHOS FLORIDA WELL NO. 1  
6131 ROBERTS WELL  
6170 RUTHERFORD & RHODES WELL  
1398 SPRING VALLEY PIPELINE - NOT CONSTRUCTED  
6266 SQUAW APPLE ESTATES - 1 WELL  
6187 SWANK LOT #3 WELL - NOT CONSTRUCTED  
6169 D-K SUBDIVISION WELLS - 21 WELLS - 20 METERED  
6196 TRICE WELL  
6181 TRIOLA WELL  
6265 VARIS WELL NO. 1  
6265 VARIS WELL NO. 2 - NOT CONSTRUCTED  
6180 WAYNE SUBDIVISION WELL  
6170 WILSON WELL - NOT CONSTRUCTED

COMMERCIAL AND MUNICIPAL WELLS NOT AUGMENTED

WELLS AND SPRING METERED

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6000 AIRPORT SPRING AND COLLECTION BASIN  
6147 GATES WELL - NOT CONSTRUCTED  
6157 GRANDVIEW NO. 1 WELL  
6198 GRANDVIEW NO. 2 WELL  
KAYE WELL NO. 1  
NORTH RAY AND EAST MARK WELLS - SAME ADJUDICATION  
6148 LA BOCA WELL NO. 1  
6149 LA BOCA WELL NO. 2  
6161 MORTIMER WELL NO. 2  
1168 PACIFIC NORTHWEST PIPELINE  
6215 TURNER WELL NO. 1  
6164 VANDEGRIFT WELL

SUMMARY

127 TOTAL WELLS  
109 METERED  
13 NOT CONSTRUCTED  
2 NOT IN USE  
3 NOT METERED

## Pine River Lists



JANUARY 1989

DIVISION 7 DISTRICT 31 PINE RIVER

WELLS AND OTHER STRUCTURES COVERED BY  
PINE RIVER IRRIGATION DISTRICT EXCHANGE PLANS

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I.D.

731 A POND DITCH - POND EVAPORATION  
727 B POND DITCH - POND EVAPORATION  
5109 BARNHARDT WELL - COMMERCIAL - METERED  
5023 BEUTEN WELL 60708 - COMMERCIAL - METERED  
5123 BEAVER CREEK DEV. CO. WELL NO. 2 - CONDITIONAL  
5128 BEAVER CREEK DEV. CO. WELL NO. 3 - CONDITIONAL  
5129 BEAVER CREEK DEV. CO. WELL NO. 4 - CONDITIONAL  
5008 BISHOP BROTHERS WELL - COMMERCIAL - METERED  
648 BLACK SPRING - DOMESTIC - NOT METERED  
5097 BLUE SPRUCE WELL - COMMERCIAL - METERED  
638 BURCH BRADEN SHAW SPRING - COMMERCIAL - METERED  
5061 C. WHEAT WELL NO. 1 - COMMERCIAL - METERED  
644 CAIN PIPELINE - DOMESTIC - METERED  
642 CASKEY PUMP AND PIPELINE - DOMESTIC - METERED  
5089 CAVIGGIA WELL - COMMERCIAL - NOT METERED  
607 CLAUDE DECKER SUB. PIPELINE - COMMERCIAL - METERED  
5032 COOL WATER INC. WELL - COMMERCIAL - METERED  
5135 CROSSING CREEK WELL NO. 1 - DOMESTIC - METERED  
820 D-CREEK FISHERY - POND EVAPORATION  
685 DARK CANYON SPRING AND PIPELINE - COMMERCIAL - NOT METERED  
584 DUNSWORTH PIPELINE - COMMERCIAL - METERED  
5103 DUSTIN WELL - DOMESTIC - NOT METERED  
640 E. C. GRINDSTAFF PUMP - DOMESTIC - METERED  
5113 EIGHT CORNERS REPLACEMENT WELL - COMMERCIAL - METERED  
5087 FIVE BRANCHES WELL - COMMERCIAL - METERED  
680 FREEMAN CREEK DITCH AND PIPELINE - COMMERCIAL - METERED  
825 GRAHAM FISH POND - POND EVAPORATION  
633 H AND M PRICE PUMP STA. - DOMESTIC - METERED  
621 HAPPY SCENES PIPELINE - COMMERCIAL - METERED  
826 HICKS PUMP - IRRIGATION - METERED  
5105 HILL WELL - DOMESTIC - METERED  
5030 JOE FORD WELL NO. 2 - COMMERCIAL - METERED  
5091 JONES WELL - COMMERCIAL - METERED  
746 JORDAN PUMP - DOMESTIC - NOT METERED  
646 K. R. BAILEY WATERLINE - DOMESTIC - METERED  
5130 KLOCK WELL - COMMERCIAL - METERED  
5074 LAKE VISTA ESTATES WELL NO. 2 - CONDITIONAL  
5009 MARRS AND DOYLE WELL - COMMERCIAL - METERED, BACKUP WELL FOR ID5079  
724 McDONALD PUMP - DOMESTIC - METERED  
721 MIDDLETON PUMP - DOMESTIC - METERED  
5122 MINKLER WELL - DOMESTIC - METERED  
5136 MOUNTAIN ROSE WELL NO. 1 - CONDITIONAL  
775 MUELLER DOMESTIC WATER SYSTEM - DOMESTIC - METERED

I.D.

634 NOORWOOD RESIDENCE PUMP AND P.L. - DOMESTIC - METERED  
3728 OUR FISHING HOLE - POND EVAPORATION  
5101 PACK WELL - DOMESTIC - NOT METERED  
3710 PAPAS POND - POND EVAPORATION  
763 PATS POND - POND EVAPORATION  
636 PIGFORD DIVERSION - DOMESTIC - METERED  
5115 POFFENBERGER WELL - DOMESTIC - NOT METERED  
5133 PONDEROSA WELL NO. 3 - COMMERCIAL - METERED  
5082 PONDEROSA WELL - COMMERCIAL - METERED  
5099 RESTHAVEN WELL - COMMERCIAL - METERED  
5100 RIBAUDO WELL - COMMERCIAL - NOT METERED - BUSINESS CLOSED  
720 RICKETTS PUMP - DOMESTIC - METERED  
639 ROBERT BURCH SPRING NO. 2 - COMMERCIAL - METERED  
5029 RUSSELL WELL - COMMERCIAL - METERED  
5132 RUWWEWEE WELL - DOMESTIC - NOT METERED  
5079 SAFARI WELL - COMMERCIAL - METERED  
5033 SAFLEY WELL - COMMERCIAL - METERED  
5116 SCHMIDT WELL - DOMESTIC - NOT METERED  
693 SHUPE SPRING AND PIPELINE - COMMERCIAL - METERED  
5092 SILVER SPRUCE WELL - COMMERCIAL - METERED  
741 SILVER STREAMS LODGE POND - POND EVAPORATION  
5088 SILVER STREAMS WELL NO. 1 - COMMERCIAL - METERED  
744 STAININGER PUMP - DOMESTIC - METERED  
595 STARDUST SPRING AND PIPELINE - COMMERCIAL - METERED  
5117 SWIER WELL NO. 1 - DOMESTIC - METERED  
5110 TUTHILL WELL NO. 2 - COMMERCIAL - METERED  
5039 VALLECITO RESORT WELL NO. 1 - COMMERCIAL - METERED  
5045 VALLECITO RESORT WELL NO. 2 - COMMERCIAL - METERED  
651 VALLECITO VALLEY PUMP STATION - COMMERCIAL - METERED  
5093 WELLS COURT WELL - COMMERCIAL - METERED, BACKUP WELL TO ID5113  
5000 WESTERN CONSTRUCTION AND DEV. CO. WELL - COMMERCIAL - METERED  
5075 WILDERNESS CLUB WELL NO. 1 - COMMERCIAL - METERED  
5076 WILDERNESS CLUB WELL NO. 3 - COMMERCIAL - METERED  
5077 WILDERNESS CLUB WELL NO. 4 - COMMERCIAL - METERED  
5090 WITS END WELL NO. 1 - COMMERCIAL - METERED

DIVISION OF WATER RESOURCES  
 DIVISION 7  
 DISTRICT 31  
 RIVER ADMINISTRATION LIST

(PAGE 1)

| NAME                 | ID   | PRI # | DEC AMNT | CUM RIV | REMARKS |
|----------------------|------|-------|----------|---------|---------|
| Dr. Morrison D.      | 505  | P-1   | 64.83    | 64.83   | (Sto)   |
| Cenaboo D.           | 502  | P-1   | 9.79     | 74.62   | (Sto)   |
| Spg. Creek D.        | 509  | P-1   | 50.0     | 124.62  | (Sto)   |
| Bean D.              | 510  | P-2   | 3.25     | 127.87  | (Sto)   |
| Thompson Epperson D. | 511  | P-3   | 4.75     | 132.62  | (Sto)   |
| Los Pinos D.         | 512  | P-4   | 11.5     | 144.12  | (Sto)   |
| Wommer D.            | 513  | P-5   | 5.25     | 149.37  | (Sto)   |
| Bear Creek D.        | 514  | P-6   | 14.0     | 163.37  | (Sto)   |
| Citizens D.          | 515  | P-7   | 3.5      | 166.87  | (Sto)   |
| Higbee D.            | 516  | P-8   | 1.0      | 167.87  | (Sto)   |
| Colo. S.W. D. #1     | 708  | WG-1  | 0.50     | 168.37  |         |
| Colo S.W. D. #1      | 709  | WG-1  | 1.0      | 169.37  |         |
| Duffy Dirv. Pond     | 3712 | WG-1  | 0.50     | 169.87  |         |
| Myers Asher D.       | 518  | P-9   | 3.33     | 173.20  | (Sto)   |
| King D.              | 519  | P-10  | 0.30     | 173.50  | (Sto)   |
| Palmer D.            | 522  | RC-1  | 2.0      | 175.50  |         |
| Schroder D.          | 523  | P-12  | 27.12    | 202.62  | (Sto)   |
| Farnell D.           | 524  | P-13  | 2.0      | 204.62  | (Sto)   |
| Hensley D.           | 526  | V-3   | 1.0      | 205.62  |         |
| Island D.            | 527  | P-14  | 0.50     | 206.12  | (Sto)   |
| Benget Myers D       | 528  | P-15  | 4.0      | 210.12  | (Sto)   |
| Bennet Myers D.      | 528  | P-16  | 1.0      | 211.12  | (Sto)   |
| Ludwig D.            | 530  | Br-1  | 1.0      | 212.12  |         |
| Buhman D.            | 531  | P-17  | 0.12     | 212.24  | (Sto)   |
| Graham Ck #1 D.      | 533  | E-1   | 1.0      | 213.24  |         |
| Graham Ck #2 D.      | 534  | E-1   | 0.38     | 213.62  |         |
| Kirkpatrick D.       | 535  | P-18  | 6.0      | 219.62  |         |
| Thompson Epperson D. | 511  | P-18  | 0.62     | 220.24  | (Sto)   |
| Patrick D.           | 536  | V-4   | 1.0      | 221.24  |         |
| McLoyd D.            | 540  | V-5   | 8.0      | 229.24  |         |
| Roberson #2 D.       | 542  | V-6   | 1.0      | 230.24  |         |
| Catlin D.            | 545  | P-20  | 0.53     | 230.77  | (Sto)   |
| Robt. Morrison D.    | 547  | P-21  | 0.38     | 231.15  | (Sto)   |
| Dunham D.            | 550  | P-23  | 1.0      | 232.15  | (Sto)   |
| Thompson Epperson D. | 511  | P-24  | 4.55     | 236.70  | (Sto)   |
| Thompson Epperson D. | 511  | P-25  | 12.0     | 248.70  | (Sto)   |
| Dr. Morrison D.      | 505  | P-26  | 7.8      | 256.50  | (Sto)   |
| King D.              | 519  | P-26  | 74.70    | 331.20  | (Sto)   |
| Robt. Morrison D.    | 547  | P-26  | 40.13    | 371.33  | (Sto)   |
| Spg. Creek D.        | 665  | P-26  | 203.9    | 575.23  | (Sto)   |
| Thompson Epperson D. | 511  | P-26  | 11.68    | 586.91  | (Sto)   |
| McBride D.           | 553  | P-27  | 1.25     | 588.16  | (Sto)   |
| Wommer D.            | 513  | P-28  | 1.0      | 589.16  | (Sto)   |

DIVISION OF WATER RESOURCES  
 DIVISION 7  
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 RIVER ADMINISTRATION LIST

(Page 2)

| NAME                 | ID   | PRI # | DEC AMNT | CUM RIV | REMARKS |
|----------------------|------|-------|----------|---------|---------|
| Farrell D.           | 524  | P-29  | 2.5      | 591.66  | (STO)   |
| North Side D.        | 554  | V-9   | 1.0      | 592.66  |         |
| Rhodes D.            | 555  | V-10  | 2.5      | 595.16  |         |
| Scoville D.          | 558  | LC-1  | 0.75     | 595.91  |         |
| Kirkpatrick D.       | 535  | P-31  | 0.50     | 596.41  |         |
| Thompson Epperson D. | 511  | P-32  | 1.75     | 598.16  | (STO)   |
| Bean D.              | 510  | P-33  | 0.38     | 598.54  | (STO)   |
| Robt. Morrison D.    | 547  | P-34  | 5.65     | 604.19  | (STO)   |
| Robt. Morrison D.    | 547  | P-35  | 12.61    | 616.80  | (STO)   |
| Sullivan D.          | 668  | P-36  | 7.08     | 623.88  | (STO)   |
| George B. Jones D.   | 565  | Br-2  | 2.5      | 626.38  |         |
| Spg. Creek D.        | 665  | P-37  | 0.311    | 626.69  | (STO)   |
| Schroder D.          | 523  | P-38  | 19.36    | 646.05  | (STO)   |
| Conrad D.            | 673  | 65-11 | 4.0      | 650.05  |         |
| Indian Ck. P.L.      | 581  | 65-11 | 0.10     | 650.15  |         |
| Weminuche P.D.       | 4637 | 65-12 | 6.0      | 656.15  |         |
| P.R. Weminuche P.D.  | 4638 | 65-13 | 6.0      | 662.15  |         |
| P.R. Weminuche P.D.  | 4638 | 65-14 | 6.0      | 668.15  |         |
| Weminuche P.D.       | 4637 | 65-15 | 6.0      | 674.15  |         |
| Weminuche P.D.       | 4637 | 65-17 | 8.0      | 682.15  |         |
| P.R. Weminuche P.D.  | 4638 | 65-19 | 6.0      | 688.15  |         |
| Robt. Morrison D.    | 547  | 65-22 | 70.0     | 758.15  | (STO)   |
| Indian Ck. D.        | 588  | 65-25 | 3.0      | 761.15  |         |
| Porter D.            | 585  | 65-28 | 8.0      | 769.15  |         |
| Weminuche P.D.       | 4637 | 65-29 | 20.0     | 789.15  |         |
| King D.              | 519  | 65-32 | 29.0     | 818.15  | (STO)   |
| Robt. Morrison D.    | 547  | 65-34 | 39.64    | 857.79  | (STO)   |
| Wommer D.            | 513  | 65-35 | 2.0      | 859.79  | (STO)   |
| Montgomery D.        | 610  |       | 4.0      | 863.79  |         |
| Wommer Sw. PROP. D.  | 609  |       | 6.0      | 869.79  |         |
| Spg. Ext. Los Pinos  | 597  |       | 4.0      | 873.79  |         |
| Bellflower #2        | 598  |       | 5.0      | 878.79  |         |
| Bellflower #4        | 600  |       | 6.0      | 884.79  |         |
| Hayshed Sp.          | 605  |       | 3.0      | 887.79  |         |
| Stagecoach Sp.       | 604  |       | 5.5      | 893.29  |         |
| Palmer D.            | 522  |       | 2.0      | 895.29  |         |
| Spring Gultch D.     | 691  |       | 5.0      | 900.29  |         |
| Coronado Divr. Pump  | 677  |       | 2.0      | 902.29  | (STO)   |

## River Calls

DIVISION 7

1988 RIVER CALLS

| <u>W.D.</u> | <u>RIVER</u>      | <u>INITIAL CALLING STRUCTURE</u> | <u>PRIORITY</u> | <u>DATE ON CALL</u>    | <u>MOST SENIOR CURTAILED STRUCTURE</u> | <u>PRIORITY</u> | <u>DATE OFF CALL</u> | <u>DURATION</u> |
|-------------|-------------------|----------------------------------|-----------------|------------------------|--|-----------------|----------------------|-----------------|
| 30          | FLORIDA RIVER     | Florida Canal                    | F-68            | 07/13/88*              | Florida Farmers D.                     | F-22½           | 09/01/88             | 50 days         |
| 33          | LA PLATA RIVER    | Red Mesa Res.                    | 65-2            | 04/02/88 <sup>1/</sup> | Hay Gulch Ditch                        | #9              | 10/31/88             | 212 days        |
| 33          | LOWER LA PLATA R. | Morgan Ditch                     | #57             | 06/13/88               | Old Indian Ditch                       | #36             | 10/31/88             | 140 days        |
| 34          | MANCOS RIVER      | Sheek Ditch                      | #8              | 06/16/88               | Boss Ditch                             | #7              | 09/02/88             | 78 days         |
| 29          | FOUR MILE CREEK   | Mesa Ditch                       | #58             | 07/07/88               | Parr Loucks Ditch                      | #16             | 08/08/88             | 32 days         |
| 29          | LITTLE BLANCO R.  | Mees Ditch                       | #7              | 06/21/88               | Echo Ditch                             | #9              | 10/02/88             | 103 days        |
| 31          | PINE RIVER        | Spring Creek                     | P-26            | 05/02/88**             | Thompson Epperson                      | P-3             | 09/06/88             | 121 days        |
| 30          | ELBERT CREEK      | Conley Ditch                     | E-1             | 05/16/88               | Cascade Reservoir                      | 65-2            | 06/16/88             | 31 days         |

\* Ditches held to decrees from May 10 for storage in Lemon Reservoir (66-4)

\*\* Vallecito Reservoir was the only curtailed structure until July 1, 1988

1/ Red Mesa Reservoir curtailed for filling purposes Apr. 2-7, ditches restricted within state beginning Apr. 12.

## Appendix

WATER USE SUMMARY  
DISTRICT 29--1988

|   |                  |
|---|------------------|
| <b>DIRECT DIVERSIONS</b>                        | <b>ACRE-FEET</b> |
| IRRIGATION                                      | 44,769           |
| STORAGE   | 629              |
| STOCKWATER                                      | 6,117            |
| MUNICIPAL                                       | 1,238            |
| DOMESTIC  | 64               |
| INDUSTRIAL                                      | 0                |
| RECREATION                                      | 0                |
| FISH  | 817              |
| OTHER: COMMERCIAL(INC GEOTHERMAL)               | 2,197            |
| TRANSMOUNTAIN-TRANSBASIN                        | 1,836            |
| INTERSTATE                                      | 29,202           |
| TOTAL DIVERSIONS.....                           | 86,869           |
| <br><b>DELIVERIES FROM STORAGE</b>              |                  |
| IRRIGATION                                      | 0                |
| DOMESTIC  | 0                |
| MUNICIPAL                                       | 0                |
| STOCK   | 0                |
| INDUSTRIAL                                      | 0                |
| RECREATION                                      | 0                |
| TRANSBASIN-TRANSMOUNTAIN                        | 0                |
| OTHER: FISH                                     | 0                |
| TOTAL DIVERSIONS.....                           | 0                |
| <br><b>DELIVERIES FROM TRANSBASIN</b>           |                  |
| IRRIGATION                                      | 0                |
| STORAGE   | 0                |
| MUNICIPAL                                       | 0                |
| STOCK   | 0                |
| TOTAL FROM TRANSBASIN.....                      | 0                |
| <br><b>DUTY OF WATER:</b>                       |                  |
| TOTAL TO IRRIGATION                             | 44,769           |
| ACRES IRRIGATED                                 | 12,297           |
| ACRE-FEET DIVERTED PER ACRE                     | 3.64             |
| <br><b>NUMBER OF STRUCTURES OBSERVED</b>        | <b>347</b>       |
| WATER RUN--NO INFORMATION AVAILABLE(E CODE)     | 5                |
| ACTIVE DIVERSIONS--DAILY                        | 171              |
| -INFREQUENT STRUCTURES                          | 85               |
| INACTIVE DIVERSIONS--NO WATER AVAILABLE(B CODE) | 0                |
| -NOT USED (A,C,D CODES)                         | 71               |
| -NO INFORMATION AVAILABLE(F CODE)               | 15               |
| <br><b>NUMBER OF DITCHES</b>                    | <b>237</b>       |
| <b>NUMBER OF RESERVOIRS</b>                     | <b>50</b>        |
| <b>NUMBER OF WELLS</b>                          | <b>60</b>        |
| <b>NUMBER OF OBSERVATIONS</b>                   | <b>3,150</b>     |



WATER USE SUMMARY  
DISTRICT 30--1988

| DIRECT DIVERSIONS           | ACRE-FEET |
|-----------------------------|-----------|
| IRRIGATION                  | 149,553   |
| STORAGE                     | 41,605    |
| STOCKWATER                  | 14,922    |
| MUNICIPAL                   | 4,665     |
| DOMESTIC                    | 194       |
| INDUSTRIAL                  | 13,684    |
| RECREATION                  | 0         |
| FISH                        | 14,580    |
| OTHER: COMMERCIAL, RECHARGE | 554       |
| TRANSMOUNTAIN-TRANSBASIN    | 697       |
| INTERSTATE                  | 7,309     |

TOTAL DIVERSIONS..... 247,763

DELIVERIES FROM STORAGE

|                          |        |
|--------------------------|--------|
| IRRIGATION               | 9,534  |
| DOMESTIC                 | 1      |
| MUNICIPAL                | 0      |
| STOCK                    | 0      |
| INDUSTRIAL               | 15,973 |
| RECREATION               | 0      |
| TRANSBASIN-TRANSMOUNTAIN | 0      |
| OTHER: FISH              | 120    |

TOTAL DIVERSIONS..... 25,628

DELIVERIES FROM TRANSBASIN

|            |     |
|------------|-----|
| IRRIGATION | 294 |
| STORAGE    | 0   |
| MUNICIPAL  | 0   |
| STOCK      | 0   |

TOTAL FROM TRANSBASIN..... 294

DUTY OF WATER:

|                             |         |
|-----------------------------|---------|
| TOTAL TO IRRIGATION         | 159,381 |
| ACRES IRRIGATED             | 34,229  |
| ACRE-FEET DIVERTED PER ACRE | 4.66    |

NUMBER OF STRUCTURES OBSERVED

|   |     |
|---|-----|
| WATER RUN-NO INFORMATION AVAILABLE(E CODE)    | 3   |
| ACTIVE DIVERSIONS-DAILY                       | 260 |
| -INFREQUENT STRUCTURES                        | 517 |
| INACTIVE DIVERSIONS-NO WATER AVAILBLE(B CODE) | 11  |
| -NOT USED (A,C,D CODES)                       | 326 |
| -NO INFORMATION AVAILABLE(F CODE)             | 0   |

|                        |       |
|------------------------|-------|
| NUMBER OF DITCHES      | 644   |
| NUMBER OF RESERVOIRS   | 91    |
| NUMBER OF WELLS        | 382   |
| NUMBER OF OBSERVATIONS | 8,421 |

WATER USE SUMMARY  
DISTRICT 31--1988

| DIRECT DIVERSIONS        | ACRE-FEET |
|--------------------------|-----------|
| IRRIGATION               | 188,191   |
| STORAGE                  | 65,629    |
| STOCKWATER               | 1,146     |
| MUNICIPAL                | 717       |
| DOMESTIC                 | 17        |
| INDUSTRIAL               | 0         |
| RECREATION               | 0         |
| FISH                     | 0         |
| OTHER:                   | 70        |
| TRANSMOUNTAIN-TRANSBASIN | 1,461     |
| INTERSTATE               | 0         |

TOTAL DIVERSIONS..... 257,231

|                          |        |
|--------------------------|--------|
| DELIVERIES FROM STORAGE  |        |
| IRRIGATION               | 26,909 |
| DOMESTIC                 | 27     |
| MUNICIPAL                | 175    |
| STOCK                    | 0      |
| INDUSTRIAL               | 0      |
| RECREATION               | 0      |
| TRANSBASIN-TRANSMOUNTAIN | 0      |
| OTHER: COMMERCIAL        | 0      |

TOTAL DIVERSIONS..... 27,111

|                            |   |
|----------------------------|---|
| DELIVERIES FROM TRANSBASIN |   |
| IRRIGATION                 | 0 |
| STORAGE                    | 0 |
| MUNICIPAL                  | 0 |
| STOCK                      | 0 |

TOTAL FROM TRANSBASIN..... 0

|                             |         |
|-----------------------------|---------|
| DUTY OF WATER:              |         |
| TOTAL TO IRRIGATION         | 215,100 |
| ACRES IRRIGATED             | 56,832  |
| ACRE-FEET DIVERTED PER ACRE | 3.78    |

|  |     |
|--|-----|
| NUMBER OF STRUCTURES OBSERVED                  | 441 |
| WATER RUN-NO INFORMATION AVAILABLE(E CODE)     | 0   |
| ACTIVE DIVERSIONS-DAILY                        | 119 |
| -INFREQUENT STRUCTURES                         | 210 |
| INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE) | 2   |
| -NOT USED (A,C,D CODES)                        | 110 |
| -NO INFORMATION AVAILABLE(F CODE)              | 0   |

|                        |       |
|------------------------|-------|
| NUMBER OF DITCHES      | 283   |
| NUMBER OF RESERVOIRS   | 22    |
| NUMBER OF WELLS        | 136   |
| NUMBER OF OBSERVATIONS | 5,038 |

WATER USE SUMMARY  
DISTRICT 32--1988

| DIRECT DIVERSIONS        | ACRE-FEET |
|--------------------------|-----------|
| IRRIGATION               | 49,763    |
| STORAGE                  | 522       |
| STOCKWATER               | 304       |
| MUNICIPAL                | 0         |
| DOMESTIC                 | 13        |
| INDUSTRIAL               | 0         |
| RECREATION               | 0         |
| FISH                     | 0         |
| OTHER: COMMERCIAL        | 1         |
| TRANSMOUNTAIN-TRANSBASIN | 0         |
| INTERSTATE               | 0         |

TOTAL DIVERSIONS..... 50,603

|                          |        |
|--------------------------|--------|
| DELIVERIES FROM STORAGE  |        |
| IRRIGATION               | 10,796 |
| DOMESTIC                 | 0      |
| MUNICIPAL                | 0      |
| STOCK                    | 375    |
| INDUSTRIAL               | 0      |
| RECREATION               | 0      |
| TRANSBASIN-TRANSMOUNTAIN | 0      |
| OTHER:                   | 0      |

TOTAL DIVERSIONS..... 11,171

|                            |         |
|----------------------------|---------|
| DELIVERIES FROM TRANSBASIN |         |
| IRRIGATION                 | 143,788 |
| STORAGE                    | 12,796  |
| MUNICIPAL                  | 4,096   |
| STOCK                      | 1,121   |

TOTAL FROM TRANSBASIN..... 161,801

|                             |         |
|-----------------------------|---------|
| DUTY OF WATER:              |         |
| TOTAL TO IRRIGATION         | 204,347 |
| ACRES IRRIGATED             | 47,328  |
| ACRE-FEET DIVERTED PER ACRE | 4.32    |

|   |  |     |
|---|--|-----|
| NUMBER OF STRUCTURES OBSERVED                 |  | 314 |
| WATER RUN-NO INFORMATION AVAILABLE(F CODE)    |  | 0   |
| ACTIVE DIVERSIONS-DAILY                       |  | 172 |
| -INFREQUENT STRUCTURES                        |  | 65  |
| INACTIVE DIVERSIONS-NO WATER AVAILBLE(B CODE) |  | 0   |
| -NOT USED (A,C,D CODES)                       |  | 76  |
| -NO INFORMATION AVAILABLE(F CODE)             |  | 1   |

|                        |       |
|------------------------|-------|
| NUMBER OF DITCHES      | 281   |
| NUMBER OF RESERVOIRS   | 13    |
| NUMBER OF WELLS        | 20    |
| NUMBER OF OBSERVATIONS | 4,352 |

WATER USE SUMMARY  
DISTRICT 33--1988

| DIRECT DIVERSIONS        | ACRE-FEET |
|--------------------------|-----------|
| IRRIGATION               | 28,075    |
| STORAGE                  | 1,227     |
| STOCKWATER               | 4,563     |
| MUNICIPAL                | 4         |
| DOMESTIC                 | 23        |
| INDUSTRIAL               | 0         |
| RECREATION               | 0         |
| FISH                     | 0         |
| OTHER: COMMERCIAL        | 4         |
| TRANSMOUNTAIN-TRANSBASIN | 744       |
| INTERSTATE               | 1,631     |

TOTAL DIVERSIONS..... 36,271

|                                      |       |
|--------------------------------------|-------|
| DELIVERIES FROM STORAGE              |       |
| IRRIGATION                           | 1,031 |
| DOMESTIC                             | 0     |
| MUNICIPAL                            | 0     |
| STOCK                                | 4     |
| INDUSTRIAL                           | 0     |
| RECREATION                           | 0     |
| TRANSBASIN-TRANSMOUNTAIN             | 0     |
| OTHER: INCLUDES AUGMENTATION RELEASE | 2     |

TOTAL DIVERSIONS..... 1,037

|                            |   |
|----------------------------|---|
| DELIVERIES FROM TRANSBASIN |   |
| IRRIGATION                 | 0 |
| STORAGE                    | 0 |
| MUNICIPAL                  | 0 |
| STOCK                      | 0 |

TOTAL FROM TRANSBASIN..... 0

|                             |        |
|-----------------------------|--------|
| DUTY OF WATER:              |        |
| TOTAL TO IRRIGATION         | 29,106 |
| ACRES IRRIGATED             | 11,597 |
| ACRE-FEET DIVERTED PER ACRE | 2.51   |

|   |     |
|---|-----|
| NUMBER OF STRUCTURES OBSERVED                   | 148 |
| WATER RUN--NO INFORMATION AVAILABLE(F CODE)     | 0   |
| ACTIVE DIVERSIONS--DAILY                        | 53  |
| -INFREQUENT STRUCTURES                          | 59  |
| INACTIVE DIVERSIONS--NO WATER AVAILABLE(B CODE) | 0   |
| -NOT USED (A,C,D CODES)                         | 35  |
| -NO INFORMATION AVAILABLE(F CODE)               | 1   |

|                        |       |
|------------------------|-------|
| NUMBER OF DITCHES      | 106   |
| NUMBER OF RESERVOIRS   | 10    |
| NUMBER OF WELLS        | 32    |
| NUMBER OF OBSERVATIONS | 5,279 |

WATER USE SUMMARY  
DISTRICT 34--1988

| DIRECT DIVERSIONS        | ACRE-FEET |
|--------------------------|-----------|
| IRRIGATION               | 33,533    |
| STORAGE                  | 6,833     |
| STOCKWATER               | 2,435     |
| MUNICIPAL                | 788       |
| DOMESTIC                 | 12        |
| INDUSTRIAL               | 0         |
| RECREATION               | 103       |
| FISH                     | 0         |
| OTHER: COMMERCIAL        | 0         |
| TRANSMOUNTAIN-TRANSBASIN | 0         |
| INTERSTATE               | 0         |

TOTAL DIVERSIONS..... 43,704

DELIVERIES FROM STORAGE

|                                 |       |
|---------------------------------|-------|
| IRRIGATION                      | 4,924 |
| DOMESTIC                        | 0     |
| MUNICIPAL                       | 324   |
| STOCK                           | 0     |
| INDUSTRIAL                      | 0     |
| RECREATION: JACKSON RES RELEASE | 83    |
| TRANSBASIN-TRANSMOUNTAIN        | 0     |
| OTHER:                          | 0     |

TOTAL DIVERSIONS..... 5,331

DELIVERIES FROM TRANSBASIN

|            |     |
|------------|-----|
| IRRIGATION | 788 |
| STORAGE    | 92  |
| MUNICIPAL  | 0   |
| STOCK      | 0   |

TOTAL FROM TRANSBASIN..... 880

DUTY OF WATER:

|                             |        |
|-----------------------------|--------|
| TOTAL TO IRRIGATION         | 39,245 |
| ACRES IRRIGATED             | 10,752 |
| ACRE-FEET DIVERTED PER ACRE | 3.65   |

NUMBER OF STRUCTURES OBSERVED

|   |    |
|---|----|
| WATER RUN-NO INFORMATION AVAILABLE(E CODE)    | 0  |
| ACTIVE DIVERSIONS-DAILY                       | 72 |
| -INFREQUENT STRUCTURES                        | 19 |
| INACTIVE DIVERSIONS-NO WATER AVAILBLE(B CODE) | 0  |
| -NOT USED (A,C,D CODES)                       | 17 |
| -NO INFORMATION AVAILABLE(F CODE)             | 1  |

|                        |       |
|------------------------|-------|
| NUMBER OF DITCHES      | 90    |
| NUMBER OF RESERVOIRS   | 11    |
| NUMBER OF WELLS        | 8     |
| NUMBER OF OBSERVATIONS | 1,408 |

WATER USE SUMMARY  
DISTRICT 46--1988

|  | ACRE-FEET |
|--|-----------|
| <b>DIRECT DIVERSIONS</b>                       |           |
| IRRIGATION                                     | 8,337     |
| STORAGE  | 0         |
| STOCKWATER                                     | 0         |
| MUNICIPAL                                      | 0         |
| DOMESTIC                                       | 0         |
| INDUSTRIAL                                     | 0         |
| RECREATION                                     | 0         |
| FISH   | 0         |
| OTHER:   | 0         |
| TRANSMOUNTAIN-TRANSBASIN                       | 0         |
| INTERSTATE                                     | 0         |
| TOTAL DIVERSIONS.....                          | 8,337     |
| <br><b>DELIVERIES FROM STORAGE</b>             |           |
| IRRIGATION                                     | 0         |
| DOMESTIC                                       | 0         |
| MUNICIPAL                                      | 0         |
| STOCK  | 0         |
| INDUSTRIAL                                     | 0         |
| RECREATION:                                    | 0         |
| TRANSBASIN-TRANSMOUNTAIN                       | 0         |
| OTHER:   | 0         |
| TOTAL DIVERSIONS.....                          | 0         |
| <br><b>DELIVERIES FROM TRANSBASIN</b>          |           |
| IRRIGATION                                     | 0         |
| STORAGE  | 0         |
| MUNICIPAL                                      | 0         |
| STOCK  | 0         |
| TOTAL FROM TRANSBASIN.....                     | 0         |
| <br><b>DUTY OF WATER:</b>                      |           |
| TOTAL TO IRRIGATION                            | 8,337     |
| ACRES IRRIGATED                                | 1,651     |
| ACRE-FEET DIVERTED PER ACRE                    | 5.05      |
| <br><b>NUMBER OF STRUCTURES OBSERVED</b>       | 45        |
| WATER RUN-NO INFORMATION AVAILABLE(E CODE)     | 0         |
| ACTIVE DIVERSIONS-DAILY                        | 36        |
| -INFREQUENT STRUCTURES                         | 2         |
| INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE) | 1         |
| -NOT USED (A,C,D CODES)                        | 6         |
| -NO INFORMATION AVAILABLE(F CODE)              | 0         |
| <br><b>NUMBER OF DITCHES</b>                   | 44        |
| <b>NUMBER OF RESERVOIRS</b>                    | 1         |
| <b>NUMBER OF WELLS</b>                         | 0         |
| <b>NUMBER OF OBSERVATIONS</b>                  | 718       |

WATER USE SUMMARY  
DISTRICT 69--1988

| DIRECT DIVERSIONS        | ACRE-FEET |
|--------------------------|-----------|
| IRRIGATION               | 3,309     |
| STORAGE                  | 0         |
| STOCKWATER               | 82        |
| MUNICIPAL                | 0         |
| DOMESTIC                 | 2         |
| INDUSTRIAL               | 0         |
| RECREATION               | 0         |
| FISH                     | 39        |
| OTHER:                   | 0         |
| TRANSMOUNTAIN-TRANSBASIN | 0         |
| INTERSTATE               | 0         |
| TOTAL DIVERSIONS.....    | 3,432     |

|                          |   |
|--------------------------|---|
| DELIVERIES FROM STORAGE  |   |
| IRRIGATION               | 0 |
| DOMESTIC                 | 0 |
| MUNICIPAL                | 0 |
| STOCK                    | 0 |
| INDUSTRIAL               | 0 |
| RECREATION:              | 0 |
| TRANSBASIN-TRANSMOUNTAIN | 0 |
| OTHER:                   | 0 |
| TOTAL DIVERSIONS.....    | 0 |

|                            |   |
|----------------------------|---|
| DELIVERIES FROM TRANSBASIN |   |
| IRRIGATION                 | 0 |
| STORAGE                    | 0 |
| MUNICIPAL                  | 0 |
| STOCK                      | 0 |
| TOTAL FROM TRANSBASIN..... | 0 |

|                             |       |
|-----------------------------|-------|
| DUTY OF WATER:              |       |
| TOTAL TO IRRIGATION         | 3,309 |
| ACRES IRRIGATED             | 1,210 |
| ACRE-FEET DIVERTED PER ACRE | 2.73  |

|   |    |
|---|----|
| NUMBER OF STRUCTURES OBSERVED                   | 43 |
| WATER RUN--NO INFORMATION AVAILABLE(E CODE)     | 0  |
| ACTIVE DIVERSIONS--DAILY                        | 16 |
| -INFREQUENT STRUCTURES                          | 6  |
| INACTIVE DIVERSIONS--NO WATER AVAILABLE(B CODE) | 0  |
| -NOT USED (A,C,D CODES)                         | 21 |
| -NO INFORMATION AVAILABLE(F CODE)               | 0  |

|                        |     |
|------------------------|-----|
| NUMBER OF DITCHES      | 37  |
| NUMBER OF RESERVOIRS   | 5   |
| NUMBER OF WELLS        | 1   |
| NUMBER OF OBSERVATIONS | 173 |

WATER USE SUMMARY  
DISTRICT 71--1988

| DIRECT DIVERSIONS        | ACRE-FEET |
|--------------------------|-----------|
| IRRIGATION               | 6,297     |
| STORAGE                  | 83,775    |
| STOCKWATER               | 189       |
| MUNICIPAL                | 465       |
| DOMESTIC                 | 33        |
| INDUSTRIAL               | 0         |
| RECREATION               | 0         |
| FISH                     | 3,029     |
| OTHER: COMMERCIAL        | 4         |
| TRANSMOUNTAIN-TRANSBASIN | 119,092   |
| INTERSTATE               | 0         |

TOTAL DIVERSIONS..... 212,884

| DELIVERIES FROM STORAGE  |        |
|--------------------------|--------|
| IRRIGATION               | 99     |
| DOMESTIC                 | 0      |
| MUNICIPAL                | 0      |
| STOCK                    | 0      |
| INDUSTRIAL               | 0      |
| RECREATION               | 0      |
| TRANSBASIN-TRANSMOUNTAIN | 40,224 |
| OTHER:                   | 0      |

TOTAL DIVERSIONS..... 40,323

| DELIVERIES FROM TRANSBASIN |   |
|----------------------------|---|
| IRRIGATION                 | 0 |
| STORAGE                    | 0 |
| MUNICIPAL                  | 0 |
| STOCK                      | 0 |

TOTAL FROM TRANSBASIN..... 0

| DUTY OF WATER:              |       |
|-----------------------------|-------|
| TOTAL TO IRRIGATION         | 6,396 |
| ACRES IRRIGATED             | 1,458 |
| ACRE-FEET DIVERTED PER ACRE | 4.39  |

| NUMBER OF STRUCTURES OBSERVED                  |    |
|--|----|
| WATER RUN-NO INFORMATION AVAILABLE(E CODE)     | 1  |
| ACTIVE DIVERSIONS-DAILY                        | 56 |
| -INFREQUENT STRUCTURES                         | 56 |
| INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE) | 0  |
| -NOT USED (A,C,D CODES)                        | 83 |
| -NO INFORMATION AVAILABLE(F CODE)              | 6  |

|                        |       |
|------------------------|-------|
| NUMBER OF DITCHES      | 147   |
| NUMBER OF RESERVOIRS   | 12    |
| NUMBER OF WELLS        | 43    |
| NUMBER OF OBSERVATIONS | 2,913 |



WATER USE SUMMARY  
DISTRICT 77--1988

|  | ACRE-FEET |
|--|-----------|
| <b>DIRECT DIVERSIONS</b>                       |           |
| IRRIGATION                                     | 24,240    |
| STORAGE  | 294       |
| STOCKWATER                                     | 543       |
| MUNICIPAL                                      | 0         |
| DOMESTIC                                       | 19        |
| INDUSTRIAL                                     | 1         |
| RECREATION                                     | 0         |
| FISH   | 5,024     |
| OTHER: COMMERCIAL                              | 2         |
| TRANSMOUNTAIN-TRANSBASIN                       | 0         |
| INTERSTATE                                     | 30,749    |
| TOTAL DIVERSIONS.....                          | 60,872    |
| <br><b>DELIVERIES FROM STORAGE</b>             |           |
| IRRIGATION                                     | 166       |
| DOMESTIC                                       | 0         |
| MUNICIPAL                                      | 0         |
| STOCK  | 0         |
| INDUSTRIAL                                     | 0         |
| RECREATION                                     | 0         |
| TRANSBASIN-TRANSMOUNTAIN                       | 0         |
| OTHER:   | 0         |
| TOTAL DIVERSIONS.....                          | 166       |
| <br><b>DELIVERIES FROM TRANSBASIN</b>          |           |
| IRRIGATION                                     | 279       |
| STORAGE  | 0         |
| MUNICIPAL                                      | 0         |
| STOCK  | 0         |
| TOTAL FROM TRANSBASIN.....                     | 279       |
| <br><b>DUTY OF WATER:</b>                      |           |
| TOTAL TO IRRIGATION                            | 24,685    |
| ACRES IRRIGATED                                | 3,943     |
| ACRE-FEET DIVERTED PER ACRE                    | 6.26      |
| <br><b>NUMBER OF STRUCTURES OBSERVED</b>       | 104       |
| WATER RUN-NO INFORMATION AVAILABLE(E CODE)     | 0         |
| ACTIVE DIVERSIONS-DAILY                        | 68        |
| -INFREQUENT STRUCTURES                         | 23        |
| INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE) | 0         |
| -NOT USED (A,C,D CODES)                        | 13        |
| -NO INFORMATION AVAILABLE(F CODE)              | 0         |
| <br><b>NUMBER OF DITCHES</b>                   | 73        |
| <b>NUMBER OF RESERVOIRS</b>                    | 17        |
| <b>NUMBER OF WELLS</b>                         | 14        |
| <b>NUMBER OF OBSERVATIONS</b>                  | 2,105     |

WATER USE SUMMARY  
DISTRICT 78--1988

|  | ACRE-FEET |
|--|-----------|
| <b>DIRECT DIVERSIONS</b>                       |           |
| IRRIGATION                                     | 20,293    |
| STORAGE  | 437       |
| STOCKWATER                                     | 838       |
| MUNICIPAL                                      | 0         |
| DOMESTIC                                       | 59        |
| INDUSTRIAL                                     | 0         |
| RECREATION                                     | 0         |
| FISH   | 1,218     |
| OTHER: COMMERCIAL                              | 51        |
| TRANSMOUNTAIN-TRANSBASIN                       | 1,016     |
| INTERSTATE                                     | 0         |
| TOTAL DIVERSIONS.....                          | 23,912    |
| <br><b>DELIVERIES FROM STORAGE</b>             |           |
| IRRIGATION                                     | 445       |
| DOMESTIC                                       | 0         |
| MUNICIPAL                                      | 649       |
| STOCK  | 0         |
| FISH   | 0         |
| RECREATION                                     | 0         |
| TRANSBASIN-TRANSMOUNTAIN                       | 0         |
| OTHER: STORAGE                                 | (825)     |
| TOTAL DIVERSIONS.....                          | 1,094     |
| <br><b>DELIVERIES FROM TRANSBASIN</b>          |           |
| IRRIGATION                                     | 944       |
| STORAGE  | 0         |
| MUNICIPAL                                      | 0         |
| STOCK  | 0         |
| TOTAL FROM TRANSBASIN.....                     | 944       |
| <br><b>DUTY OF WATER:</b>                      |           |
| TOTAL TO IRRIGATION                            | 21,682    |
| ACRES IRRIGATED                                | 6,938     |
| ACRE-FEET DIVERTED PER ACRE                    | 3.13      |
| <br><b>NUMBER OF STRUCTURES OBSERVED</b>       |           |
| WATER RUN-NO INFORMATION AVAILABLE(E CODE)     | 1         |
| ACTIVE DIVERSIONS-DAILY                        | 94        |
| -INFREQUENT STRUCTURES                         | 28        |
| INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE) | 2         |
| -NOT USED (A,C,D CODES)                        | 47        |
| -NO INFORMATION AVAILABLE(F CODE)              | 4         |
| <br><b>NUMBER OF DITCHES</b>                   | 130       |
| <b>NUMBER OF RESERVOIRS</b>                    | 28        |
| <b>NUMBER OF WELLS</b>                         | 18        |
| <b>NUMBER OF OBSERVATIONS</b>                  | 2,230     |