ANNUAL REPORT

DIVISION NO. I

1985 IRRIGATION

NOV. 1, 1984 - OCT. 31, 1985

ΒY

ALAN D. BERRYMAN, DIVISION ENGINEER

JAMES R. CLARK, ASSISTANT DIVISION ENGINEER EDWARD W. BLANK, ASSISTANT DIVISION ENGINEER

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WATER_ADMINISTRATION

CURRENT_WATER_YEAR

The 1984-1985 water year was again one of increasing complexity with respect to water administration. Several items that haven't previously been a large part of normal administrative activities combined to make Included in this category are 1984-1985 a busy year. the hearings and background work done in connection with the abandonment list, the installation and maintenance of the satellite monitoring system, time spent dealing with non-tributary groundwater, and the time spent implementing the computer into the daily operation of the office.

Accomplishments

The ordinary administration of water rights operated relatively smoothly in 1984-85. Going into the irrigation season, we experienced full reservoirs and an ample water supply. The СВТ system provided approximately 120,000 acre-feet of non-charge water during April, May and June which helped keep the early call off the river. During the 101 days of call in 1984-1985, augmentation plans were administered, and a total of 34,719 acre-feet was released for replacement.

Activities with the water court included 468 consultations, 331 appearances in court (including the referee's hearings), 594 structures placed on the abandonment list, and the entry of 355 decrees involving 1,416 structures.

Personnel in division 1 performed 205 inspections of dams in 1984 - 1985. Currently, 118 dams are under restriction for safety reasons. Those restrictions reduce the available water storage in the division by 117,410 acre-feet.

The division and district offices again made field inspections of wells involved with late registration and replacement. Additionally, a large part of district 2 was field checked for compliance of wells with the rules and regulations governing the withdrawal of tributary groundwater. That program involved 307 on-site inspections and resulted in the issuance of 116 cease and desist letters, and one injunction.

The satellite monitoring program was initiated during the past year. The division now has 52 stations reporting, including 30 installed by the division, 18 Corps of Engineers' stations, 4 stations owned by Aurora and up to 5 more are anticipated for installation in the near future. Continuous monitoring and updating of information reported by these stations has resulted in improved river administration.

Lastly, the incorporation of a computer into the daily operation has been time consuming, but offers more flexibility and quicker response in the areas of word processing, data file management, diversion record entry and communications.

Involvement in Water User Community

The division has been involved in meetings with many of the major water user groups as well as individual water users and the public. Meetings of groups including GASP, CCWCD, District 6 Water Users, LSPWCD, NCWCD and the South Platte Coalition were attended. The division has contacted various ditch companies in an effort to solve problems in operation or disputes regarding water rights. We have coordinated releases of water from Chatfield and Cherry Creek reservoirs with the Army Corps of Engineers to allow construction in the channels downstream of the dams.

Key Issues/Impacts

Probably the largest impact on division 1 operation comes from the passage of Senate Bill 5 regarding non-tributary groundwater and the associated large of water right number applications involving The relatively large number non-tributary groundwater. of applications produces equally as many hearings regarding non-tributary water. Preparation for the hearings is very detailed and requires increased interaction with the groundwater operations branch in Denver.

Another issue that is beginning to impact practices is the ability of certain administrative water right owners to use, re-use and successively use developed, non-tributary and transbasin waters to extinction. Complex systems, such as Denver and Aurora with their associated water rights, necessitate that a much more detailed and descriptive accounting system be implemented and utilized. In order to reach the level of accuracy and speed needed to properly account for water use in such systems, a large effort in developing new computer accounting sheets and modelling techniques is anticipated.

Unresolved Problems and Tasks

major concern that remains to be resolved is the A upgrade of the reservoir accounting system. This continually becomes more important as time progresses for re-use and exchange and the potential increases. practical solution to make the accounting system The easier to use and more explanatory involves converting the system to operate on a computer. Although preliminary efforts have started the process, the majority of work still remains to be done. Several reasons have combined to keep this task from being accomplished. Included are the increased workload described earlier and the need for spreadsheet software and an IBM compatible computer to interface with those of the commissioners.

There are some personnel related problems that need to be addressed in the near future. Included are altering and updating job descriptions for many positions. In addition. there are some employees that need a The main reason that these performance evaluation. tasks have not been accomplished is my unfamiliarity with the people, their job assignments. and the performance evaluation system.

Workload Changes/Effect on Staff

With the increased court-related activity brought on by the abandonment proceedings, non-tributary groundwater applications, and the large number of water right applications, staff time spent dealing with these problems has been increased. As such, less time has been available to support water commissioner activities water administration. and daily Recent staffing changes should help to solve the non-tributary issues and to provide more support to the commissioners.

With the influx of people to the front range area, more more demand is being placed on water commissioners and to check new water right applications and to solve disputes between water users and/or the general public. These demands have stretched some commissioner's workload to twice the amount required. those commissioners are seeking more time As a result, for their deputies and are looking for methods to spread out their workloads and make them manageable.

The workload for hydrographers has been extended due to the addition of the satellite monitoring system. The system has added new duties and responsibilities to the hydrographers' work; however, the recent staffing changes should allow sufficient time for these tasks to be adequately addressed.

As part of the task related to incorporating the computer into the daily operation of the division office, most of the files that existed on the state's computers were transferred to the office PC. This task has taken a significant amount of time by the office staff and has prevented us from utilizing those files as much as is desired.

Budget Impact on Division Operations

Probably themost paramount effect of the budget the ever-increasing restrictions is workload being placed on water commissioners. The complexity and size of their jobs are continually increasing; however, the only practical solution is to add personnel to ease that load. A shift or re-allocation of the current budget would not be sufficient to aid this problem.

One area in which adjustments could be beneficial is in the travel and subsistence allocation. The ability to utilize that source of money elsewhere would result in more efficient utilization of those funds.

COMING_WATER_YEAR

Problems/Concerns

One issue that has effected and will continue to effect this office is the non-tributary groundwater issue. As rules and regulations governing the use of this water become effective, the staff will necessarily have to become familiar with those rules and how they affect More time in court associated with administration. non-tributary groundwater applications is anticipated. overall The impact produced by the development of non-tributary groundwater resources will result in additional amounts of time and resources being allocated to non-tributary groundwater.

Another concern that will impact the division this coming year will be that of improving accounting procedures for the river system, especially in relation to water rights serving the Denver Metro area. As the metropolitan entities demand more flexibility in utilizing their water rights as have occurred in the past, it is necessary that adequate accounting be developed to properly manage the stream system.

The coming year will see the computer becoming an integral tool in water rights administration. The computer offers numerous advantages related to all facets of administration, including satellite monitoring, data file manipulation, dissemination of information, engineering support, word processing and record keeping. Allocating adequate time to all of these uses will become increasingly difficult.

Administratively, there exist several potential problems that may arise this year. Included will be the administration of Cherry Creek above Cherry Creek Reservoir, administration of rights on Beebe Draw, enforcement of wells operating out-of-compliance with the rules and regulations concerning groundwater, and stricter monitoring of the operation of plans for augmentation.

Lastly, there are several bills proposed by the Legislative Committee or Water and Land Resources that would impact this office.

Concerns not to be addressed

Of the concerns listed above, only the administration of Cherry Creek and Beebe Draw may not be addressed. If those issues are not raised during the year by other water users, they will most likely not be addressed. Additionally, some engineering studies related to those areas would prove helpful prior to any active administration.

Projected Work Items/Staff

For 1985-1986, several specific items and concerns are to be addressed. The first will be the development of reservoir accounting procedures to handle on-stream reservoirs. A computer package that will account for the various types, sources, and priorities of water in those reservoirs at all times is the goal of this task. This would allow the commissioner to keep track of each user's capability to store under any given priority and also how much water is available for exchange and/or re-use.

Another task that is proposed concerns non-tributary groundwater. The division office hopes to accomplish the following items in relation to non-tributary groundwater:

1. Provide support in the preparation and presentation of findings that are required to be sent to the water court. As part of this commitment, division staff will do as much liaison work as possible to assist in meeting deadlines for findings and keeping advised as to the status of hearings for given cases.

- 2. A data base of structures withdrawing non-tributary groundwater will be started. The data base will document the decretal amounts, diversions, limitations, and conditions pertaining to such structures.
- 3. The division staff plans to become increasingly effective in court hearings concerning non-tributary groundwater. We plan to be able to support the state engineer's findings and provide the needed responses to applicant's testimony.

It is anticipated that the division's overall participation in the non-tributary groundwater issues will lead to increased credibility in that area and streamline the process involved with non-tributary groundwater application and use.

Now that the computer is a familiar tool and many files have been entered into the computer, a last goal of this office will be to utilize those files to the maximum extent possible. We will expand the file of court applications so that it can be sorted by district and sent to water commissioners for their use in keeping track of non-decreed water right applications. Augmentation files will be monitored more closely for administration. Water diversion records will be kept up-to-date as much as is possible.

Projected Work Items/Division Engineer

My primary goal for the upcoming year is to gain a better understanding and provide improved administration of water rights within the Division. The main objective in this goal is to get a reservoir accounting package operational for on-stream reservoirs above Denver.

Another goal is to revise and make current all job descriptions in the division. Included will be some shifting of responsibilities to fit the personnel now on board. Additionally, work plans and job performance evaluations will be initiated.

Lastly, I feel that this year will be important to establish the state's credibility in the administration of non-tributary groundwater. I plan to spend the necessary time in supporting and presenting the state's policies in that regard.

6

RECOMMENDATIONS

Policies

Concerning the administration of water, a clarification of policy related to non-tributary groundwater would be helpful. Because of the many recent changes in the way non-tributary groundwater is adjudicated and administered, such a clarification would greatly help the division. Additionally, some assistance in developing a policy for reservoir administration is needed.

As mentioned earlier in the report, a change in how travel and subsistence can be expended would result in more efficient use of these funds at given times.

Regarding litigation, it seems very important that a major effort be made to make timely findings for well permits and for determinations of available non-tributary groundwater. This would help immensely in the adjudication process and possibly reduce the time spent in litigation over the long run.

Personnel_Change

It may be possible to improve the effectiveness of administration in water districts 1, 8, 9, 23 and 80 by shifting boundaries and job responsibilities in those districts. It may also be necessary to increase the available man-months in those districts to handle the workload and insure that competent people will remain in those areas.

Budgetary Priorities

It appears that the main budgetary priority is to obtain additional support in man-months in the water districts. Secondly, any help towards supporting the division's need for computer hardware and software would yield benefits in work efficiency.

<u>Legislation</u>

Some legislation that would guarantee funding of the satellite monitoring system would remove the threat of losing the system before we are fully able to utilize it. Additionally, we would welcome any legislation aimed at reducing the adversary nature of water right adjudication.

STATISTICAL_INFORMATION

Statistical information for the following categories follows in the order listed:

A. Administration of Plans for Augmentation

Division one has approximately 282 plans for augmentation. In 1985, about 34,719 acre-feet were released for replacement purposes. For a district by district breakdown of the releases made for augmentation, refer to the summary of water diversions for 1985 in section D that follows.

- B. Transmountain Diversions
- C. Storage Water
- D. Water Diversions
- E. Court Activities
- F. Office Administration
- G. River Calls
- H. Compact Deliveries

| 8 | | | | | | | | |
|-------|------------------------|------------------------------|-----------------|------|-----------------|------|----|----------------------|
| 2 : | | | 1984 WATER YEAR | YEAR | 1985 WATER YEAR | YEAR | | |
| 1 | NAMIS | STREAM | AF | DAYS | AF | DAYS | | STREAM |
| 63 | Wilson Supply Ditch | Cache La Poudre River | 278 | 11 | 0 | 0 | 48 | Sand & Deadman Cr. |
| 03 | Deadman Ditch | Cache La Poudre River | 6.2 | n | 0 | 0 | 48 | Deadman Creek |
| 03 | Bob Creek Ditch | Cache La Poudre River | 0 | 0 | 0 | 0 | 48 | Nunn Creek |
| 03 | Columbine Ditch | Cache La Poudre River | 0 | 0 | 0 | 0 | 48 | Deadman Creek |
| 03 | Laramie-Poudre Tunnel | Cache La Poudre River | 18,030 | 75 | 13,760 | 87 | 48 | Laramie Hiver |
| 03 | Skyline Ditch | Cache La Poudre River | 1,230 | 19 | 0 | 0 | 48 | Laramie River |
| 03 | Cameron Pass Ditch | Cache La Poudre River | 0 | 0 | 0 | 0 | 47 | Michigan Hiver |
| 03 | Michigan Ditch | Cache La Poudre River | 227 | 20 | 0 | 0 | 47 | Michigan River |
| 03 | Grand River Ditch | Cache La Poudre River | 17,620 | 111 | 20,820 | 131 | 51 | Colorado River |
| 04 | Eureka Ditch | Big Thompson River | 36 | 105 | 0 | 0 | 51 | Colorado Hiver |
| 04 | Adams Tunnel | Big Thompson River | 195,500 | 324 | 285,200 | 365 | 12 | Colorado Hiver |
| 90 | Moffat Tunnel | South Platte River | 50,150 | 351 | 78,870 | 365 | 51 | Fraser River |
| 07 | Berthoud Pass Ditch | Clear Creek | 1,120 | 119 | 567 | 105 | 51 | Fraser River |
| 07 | Vidler Tunnel | Clear Creek | 704 | 75 | 358 | 72 | 51 | Montezuma Creek |
| 23- | | | | | | | | |
| 08 | Roberts Tunnel | South Platte River | 0 | 0 | 27 | 7 | 36 | Blue River |
| 23 | Boreas Pass Ditch | South Platte River | 0 | 0 | 0 | 0 | 36 | Indiana Creek |
| 23 | Hoosier Pass Ditch | Arkansas River | 7,290 | 159 | 7,290 | 158 | 36 | Blue River |
| 33 | Aurora Homestake | South Platte River | | | 3,211 | 42 | 37 | Homestake Creek |

RESERVOIR STORAGE SUMMARIES

| | S-mbb AM | PREVIOU | S IRRI | PREVIOUS IRRIGATION YEAR | LR | 1984-198 | 35 IRF | 1984-1985 IRRIGATION YEAR | EAR | |
|----------------|--------------|-----------|--------|--------------------------|-----------|---------------|--------|---------------------------|----------|----------|
| RESERVOIR NAME | SOURCE | Beg Irr Y | | leg Irr Sea | uose | Beg Irr Yr Be | | leg Irr Se | ason | End 1985 |
| | 4 | AF % | | AF % | * | AF | % | AF % | % | Water Yr |
| lijou #2 | South Platte | 1,950 | 21 | 3,340 | 37 | 4,300 | 47 | 4,300 | 47 | 2,100 |
| impire | South Platte | 14,815 | 39 | 30,552 | 81 | 11,951 | 32 | 34,930 | <u> </u> | 19,649 |
| ackson | South Platte | 17,634 | 49 | 21,263 | 60 | 15,083 | 42 | 36,120 | 101 | 18,051 |
| Riverside | South Platte | 16,342 | 26 | 61,597 | 97 | 6,290 | 10 | 63,492 | 100 | 8,817 |
| Others | South Platte | 752 | 26 | 1,017 | 35 | 394 | 16 | 946 | 44 | 145 |
| | | | | | | | | | | |

| | | PREVIOU | IS IRR | VIOUS IRRIGATION YEAR | B | 1984-19 | 85 IRR | 1984-1985 IRRIGATION YEAR | EAR | |
|-------------------|------------------|------------|----------|-----------------------|--------|-------------------|-------------|---------------------------|----------|----------|
| RESERVOIR NAME | SOURCE | Beg Irr Yr | la | Beg Irr Sea | Season | <u>Beg Irr Yr</u> | ļ | <u>Beg Irr Season</u> | ason | End 1985 |
| | | AF | R | AF | × | AF | ~ | AF | 8 | water ir |
| Barr | South Platte | 7,737 | 24 | 27,067 | 84 | 794 | 02 | 28,844 | 06 | 23,100 |
| Coal Ridge | Little Dry Creek | 664 | 101 | 497 | 76 | 447 | 68 | 356 | 55 | 503 |
| Great Western | Walnut Creek | 3,049 | 94 | 2,876 | 88 | 2,899 | 68 | 2,657 | 82 | 2,340 |
| Horse Creek | South Platte | 12,522 | 43 | 12,862 | 44 | 11,960 | 70 | 14,350 | 85 | 10,180 |
| Lord | South Platte | 179 | 10 | 327 | 19 | 338 | 60 | 338 | 60 | 73 |
| Lower Latham | South Platte | 4,136 | 67 | 5,947 | 96 | 4,985 | 80 | 5,079 | 82 | 2,578 |
| Milton | South Platte | 15,350 | 73 | 18,851 | 89 | 14,694 | 70 | 18,268 | 87 | 15,350 |
| Prospect | South Platte | 4,550 | 72 | 4,199 | 67 | 3,404 | 57 | 4,873 | 82 82 | 3,650 |
| Quincy | South Platte | 2,569 | 92 | 2,458 | 88 | 2,583 | <u>92</u> | 2,458 | 88 | 2,527 |
| Standley | Woman Creek | 41,957 | 66 | 37,095 | 86 | 41,535 | <u> 9</u> 8 | 34,908 | 82 | 33,976 |
| Others | | | | | | 785 | 41 | 925 | 50 | 1,016 |

| R NAME reek | STRFAM | PREVIOU | NHT O | PREVIOUS IRRIGATION YEAR | AR | 1984-19 | 85 IRI | 1984–1985 IRRIGATION YEAR | EAR | |
|--------------------|-------------------|-----------|-------|--------------------------|------|-----------|--------|---------------------------|------|----------|
| reek | SOURCE | Beg Irr Y | | Beg Irr Se | uose | Beg Irr Y | | leg Irr Se | ason | End 1985 |
| reek | | AF | * | AF % | % | AF | * | AF % | % | Water Yr |
| | Fossil Creek | 0 | 0 | 0 | 0 | 4.980 | 43 | 6.419 | 56 | 7.373 |
| Halligan N | N Fk Poudre River | 6,376 | 66 | 4,453 | 69 | 5,680 | 88 | 5,680 | 88 | 6.428 |
| aka | Indian Creek | 0 | 0 | 890 | 47 | 1,556 | 82 | 1,524 | 80 | 1,690 |
| | | | | | | | | | | |
| Z | N Fk Poudre River | | 45 | 2,731 | 69 | 0 | 0 | 1,110 | 28 | 1,736 |
| Z | V Fk Poudre River | | 0 | 2,613 | 75 | 2,760 | 80 | 2,867 | 83 | 2,955 |
| North Poudre #4 N | V Fk Poudre River | | 45 | 773 | 46 | 0 | 0 | 579 | 35 | 7173 |
| North Poudre #5 N | V Fk Poudre River | | 41 | 3,557 | 42 | 4,232 | 50 | 3,936 | 47 | 4,673 |
| North Poudre #6 N | N Fk Poudre River | | 60 | 732 | 07 | 546 | 05 | 927 | 60 | 842 |
| North Poudre #15 N | W Fk Poudre River | | 69 | 3,340 | 60 | 3,522 | 64 | 3,786 | 69 | 0 |
| Park Creek P | Park Creek | | 91 | 5,653 | 77 | 5,107 | 70 | 5,585 | 76 | 0 |
| Cobb Lake C | Cache La Poudre R | 20,510 | 92 | 20,625 | 92 | 19,130 | 85 | 18,850 | 84 | 17,100 |
| Seaman aka N | N Fk Poudre River | 3,292 | 66 | 868 | 17 | 1,567 | 31 | 2,336 | 47 | 2,098 |
| Milton Seaman | | | | | | | | | | |
| Claymore Co | Cache La Poudre R | 354 | 35 | 620 | 61 | 105 | 10 | 550 | 54 | 409 |
| Panhandle Pa | Panhandle Creek | 1,011 | 43 | 1,011 | 43 | 841 | 36 | 841 | 36 | 841 |
| Seeley C | Cache La Poudre R | 1,144 | 74 | 1,069 | 69 | 532 | 35 | 1,138 | 74 | 0 |
| Warren Ca | Cache La Poudre R | | 73 | 1,459 | 69 | 1,501 | 64 | 1,289 | 55 | 990 |
| Wood Re | Rollard Draw | | 58 | 2,115 | 68 | 1,619 | 52 | 1,672 | 54 | 1,724 |
| Joe Wright aka Jo | Joe Wright Creek | | 74 | 5,992 | 83 | 4,988 | 70 | 5,412 | 76 | 4,173 |
| Cameron | | | | | | | | | | |
| Rawhide Ca | Cache La Poudre R | 15,390 | 100 | 16,082 | 104 | 15,638 | 100 | 15,903 | 102 | 15,400 |
| Horsetooth D: | Dixon Canyon Cr | 111,220 | 73 | 143,724 | 94 | 63,603 | 42 | 130,528 | 86 | 86,511 |

RESERVOIR STORAGE SUMMARIES

| | CTDE AM | PREVIOUS | S IRR | PREVIOUS IRRIGATION YEAR | AR | 1984-19 | 85 IH | 1984-1985 IRRIGATION YEAR | EAR | |
|---------------------|--------------------------|------------|-------|--------------------------|------------|-----------|-------|---------------------------|----------------|----------|
| RESERVOIR NAME | SOURCE | Beg Irr Yr | 1 | Beg Irr Se | uose | Beg Irr Y | | leg Irr Se | ason | End 1985 |
| | | AF | % | AF | % | AF | * | AF % | % | Water Yr |
| Dong lass | Cache La Pondre P | 4 399 | 47 | 5,134 | 55 | 9 100 | 65 | 6.911 | 74 | R QFR |
| Windsor Res. #8 | | 8.070 | 78 | 8,097 | 20 | 8,023 | 78 | 7,858 | 76 | 7.438 |
| | | 2,870 | 78 | 2,879 | 78 | 2,847 | 78 | 2,775 | 76 | 2.596 |
| Windsor Res. | Cache La Poudre R | 8,852 | 50 | 16,333 | 92 | 7,511 | 42 | 10,439 | 59 | 9,669 |
| Chambers | Joe Wright Cr | 2,868 | 32 | 3,050 | 34 | 2,253 | 25 | 4,671 | 53 | 1,197 |
| Long Draw aka | Long Draw Cr | 7,639 | 69 | 8,968 | 82 | 8,323 | 76 | 9,791 | 89 | 6,930 |
| Grand River | | | | | | | | | | |
| Black Hollow | Cache La Poudre R | 3,445 | 43 | 3,777 | 47 | 3,700 | 46 | 3,738 | 46 | 4,089 |
| Curtis | Cache La Poudre R | 718 | 57 | 766 | 61 | 718 | 57 | 736 | 58 | 730 |
| Kluver | Cache La Poudre R | 802 | 70 | 785 | 68 | 793 | 69 | 802 | 70 | 666 |
| Long Pond aka Water | Cache La Poudre R | 2,757 | 68 | 2,949 | 72 | 2,909 | 72 | 2,989 | 74 | 2,575 |
| Supply #5,6,7 | | | | | | | | • | | L |
| Rocky Ridge aka | Cache La Poudre R | 3,423 | 77 | 3,586 | 81 | 3,403 | 77 | 3,403 | 77 | 3,403 |
| Water Supply #1 | | | | | | | | | | |
| Water Supply #3 | Long Pond Res. | 3,900 | 81 | 3,609 | 75 | 3,161 | 65 | 3,197 | <u>66</u> | 3,514 |
| Water Supply #4 | Long Pond Res. | 655 | 45 | 866 | 59 | 662 | 45 | 718 | 49 | 843 |
| Terry aka Larimer | Cache La Poudre R | 5,191 | 64 | 5,590 | 68 | 4,805 | 59 | 4,890 | 60 | 5,635 |
| | - | | Į | | ł | 7 A 2 7 | 1 | | | |
| Worster | Sheep Creek | 273 | 20 | 932 | 7 2 | 181 | 62 | 279 | 77 | 480 |
| Timnath | Duck Slough | 1,735 | 17 | 10,131 | 101 | 7,306 | 73 | 9,460 | 1 6 | 2,667 |
| Windsor Lake | Cache La Poudre R | 969 | 66 | 1,032 | 20 | 588 | 40 | 866 | 59 | 0 |
| Barnes | Barnes Meadows Cr | 1,846 | 50 | 1,949 | 53 | 1,877 | 80 | 289 | 12 | 118 |
| | | (| 1 | 1 | | | | | | |
| Uthers | | 4,580 | 27 | 4,157 | 24 | 4,156 | 24 | 5,885 | 34 | 7,003 |

RESERVOIR STORAGE SUMMARIES (Continued)

| | C TTDE AM | PREVIO | JS IRR | PREVIOUS IRRIGATION YEAR | AR | 1984-19 | 85 IHI | 1984-1985 IKHIGATION YEAR | EAR | |
|---------------------|-----------------|---------|------------|--------------------------|-------------|-----------|----------------|---------------------------|-----------|----------|
| RESERVOIR NAME | SOURCE | Beg Irr | ļ | Beg Irr Se | Season | Beg Irr Y | | leg Irr Se | ason | End 1985 |
| | | AF | * | AF | % | AF | % | AF | % | Water Yr |
| | | | | | | | | | | |
| boulder & Larimer | Little Thompson | 5,400 | 74 | 7,061 | <u> 9</u> 6 | 2,588 | 35 | 4,812 | 66 | 1,289 |
| aka Ish | | | | | | | | | | |
| Boyd Lake | Big Thompson | 39,662 | 68 | 40,590 | 69 | 36,351 | 62 | 40,590 | 69 | 28,123 |
| Carter | Big Thompson | 59,559 | 53 | 107,259 | <u> 96</u> | 93,870 | 84 | 101,459 | 16 | 46.461 |
| Donath | Big Thompson | 425 | 37 | 1,013 | 88 | 437 | 38 | 1,004 | 87 | 65 |
| Hertha Reservoir | Dry | 531 | 28 | 368 | 19 | 0 | 00 | 1,703 | 06 | 385 |
| Horseshoe Reservoir | Big Thompson | 5,065 | 63 | 6,863 | 85 | 7,231 | 0 6 | 5,167 | 64 | 4,659 |
| Lake Loveland | Big | 9,640 | 76 | 11,772 | 92 | 4,335 | 34 | 12,249 | 96 | 9,265 |
| Lon Hagler | Big | 4,951 | <u> 38</u> | 5,018 | 100 | 4,990 | 6 6 | 5,010 | 100 | 2,420 |
| Lone Tree | Big | 7,164 | 77 | 8,525 | 92 | 7,806 | 84 | 8,869 | <u>96</u> | 5,952 |
| Loveland Lake | Big Thompson | 1,297 | 55 | 1,920 | 82 | 1,574 | 67 | 1,856 | 79 | 1.271 |
| Marino | | 2,884 | 52 | 5,260 | 94 | 4,731 | 85 | 5,493 | 66 | 780 |
| Welch Lake | Big Thompson | 6,147 | 91 | 6,561 | 97 | 6,058 | 90 | 5,835 | 86 | 5,240 |
| Others | | 2,006 | 55 | 1,870 | 52 | 2,381 | 54 | 2,391 | 54 | I,880 |

RESERVOIR STORAGE SUMMARIES

WATER DISTRICT 5

| | | PREVIOUS | i | IRRIGATION YEAR | AR | 1984-1985 | | IRRIGATION Y | YEAR | |
|------------------------|-----------------|------------|----|-----------------|--------|-----------|------|--------------|----------------|----------|
| RESERVOIR NAME | SOURCE | Beg Irr Yr | | | Season | | Yr B | | ason | End 1985 |
| | | AF | % | AF | * | AF | % | AF | * | Water Yr |
| Beaver Pond | Beaver Creek | 1,386 | 64 | 1,679 | 78 | 1,536 | 71 | 1,616 | 75 | 1,386 |
| Foothills | St. Vrain | 2,158 | 49 | 3,000 | 69 | 2,969 | 68 | 3,789 | 87 | 2,651 |
| Highland #1 | St. Vrain | 884 | 83 | 895 | 84 | 916 | 68 | 1,033 | 100 | 726 |
| Highland #2 | St. Vrain | 2,793 | 75 | 3,192 | 86 | 2,583 | 70 | 3,589 | 97 | 2,631 |
| Highland #3 | St. Vrain | 1,200 | 72 | 1,216 | 73 | 501 | 31 | 1,669 | 201 | 723 |
| McIntosh | St. Vrain | 1,745 | 71 | 1,839 | 75 | 1,816 | 71 | 2,459 | <u> 96</u> | 814 |
| Pleasant Valley | St. Vrain | 2,586 | 84 | 3,043 | 66 | 2,460 | 80 | 3,076 | 100 | 2,460 |
| Oligarchy Res. #1 | St. Vrain | 1,471 | 85 | 1,650 | 95 | 1,659 | 96 | 1,737 | 100 | 1,471 |
| Union | St. Vrain | 11,836 | 93 | 12,715 | 100 | 12,715 | 100 | 12,568 | <u> 66</u> | 10.041 |
| Left Hand Park | Left Hand Creek | 395 | 65 | 1,032 | 68 | 1,050 | 64 | 1,085 | 66 | 07.9 |
| Left Hand Valley | Left Hand Creek | 2,557 | 68 | 3, 763 | 66 | 3,307 | 88 | 3,593 | 3 6 | 1,544 |
| Button Rock | St. Vrain | 14,489 | 72 | 13,696 | 68 | 12,715 | 82 | 14,530 | 94 1 | 11,455 |
| New Thomas | St. Vrain | 2,130 | 57 | 1,931 | 52 | 1,761 | 47 | 1,651 | 44 | 2,104 |
| Lagermann | Left Hand Creek | 867 | 94 | 886 | 96 | 895 | 71 | 863 | 68 | 895 |

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RESERVOIR STORAGE SUMMARIES

| | | PREVIOUS | S IRRI | IRRIGATION YEAR | AR | 1984-19 | 385 IRR | 1984-1985 IRRIGATION Y | YEAR | |
|----------------|-------------------|-----------|-----------|-----------------|-------------|-----------|------------|------------------------|----------------|----------|
| RESERVOIR NAME | SOURCE | Beg Irr Y | | leg Irr Se | ason | Beg Irr 1 | | Beg Irr Se | uose | Knd 1985 |
| | | AF | * | AF | % | AF | * | AF | 89 10 10 | Water Yr |
| Albion | 4154 - Aurola | | | | | | | | | |
| IIOTATE | AIDION UTEEK | 1,111 | OOT | 1,111 | 001 | 1,111 | 00T | 1,100 | 100 | 1,100 |
| Barker | Boulder Creek | 4,805 | 42 | 1,022 | 60 | 7,881 | 69 | 3,542 | 31 | 8,898 |
| Baseline | Boulder Creek | 3,480 | <u>66</u> | 5,380 | 102 | 3,404 | 64 | 4,256 | 80 | 2,702 |
| Boulder | Boulder Creek | | | 4,736 | 27 | 5,090 | 29 | 5,784 | 33 | 5,446 |
| Goose | North Boulder Cr. | 0 | 0 | 225 | 22 | 388 | 37 | 1,036 | 100 | 1,036 |
| Great Western | Coal Creek | 3,026 | 93 | 2,872 | 88 | 2,899 | 89 | 2,656 | 82 | 2,328 |
| Gross | South Boulder Cr. | 32,426 | 77 | 26,614 | 63 | 37,485 | 89 | 24,523 | 58 | 30,220 |
| Hillcrest | Boulder Creek | 1,937 | 8 | 1,928 | <u> 0</u> 6 | 1,942 | <u>91</u> | 1,810 | 85 | 1,607 |
| Leggett | Boulder Creek | 1,399 | 06 | 1,392 | <u> 06</u> | 1,402 | 0 6 | 1,305 | 84 | 1,157 |
| Marshall | South Boulder Cr. | 6,773 | 65 | 9,438 | 0 6 | 6,725 | 64 | 9,655 | <u>92</u> | 225 |
| McKay | South Boulder Cr. | 531 | 63 | 641 | 76 | 554 | 65 | 674 | 79 | 413 |
| Panama | Boulder Creek | 3,331 | 67 | 3,944 | 79 | 3,267 | 65 | 4.345 | 87 | 3,459 |
| Silver | North Boulder Cr. | 3,730 | 94 | 865 | 22 | 3,935 | 66 | 353 | 60 | 3,987 |
| Six Mile | Boulder Creek | 743 | 52 | 1,260 | 88 | 1,022 | 72 | 1.248 | 87 | 569 |
| Valmont | South Boulder Cr. | 6,807 | 92 | 6,787 | 91 | 6,819 | 92 | 6,511 | 88 | 6,028 |

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|----------|--|
| DISTRICT | |
| WATER | |

| | STREAM | PREVIO | IS IRRI | PREVIOUS IRRIGATION YEAR | AR | 1984-19 | 85 IRR | 1984-1985 IRRIGATION YEAH | EAH | |
|----------------|---------------|------------|-------------|--------------------------|------|-----------|--------|---------------------------|------|----------|
| RESERVOIR NAME | SOURCE | Beg Irr Yr | | eg Irr Se | ason | Beg Irr Y | | eg Irr Se | ason | End 1985 |
| | | AF | % | AF | * | AF | 30 | AF | % | Water Yr |
| Ralston | Ralston Creek | 9,870 | 77 | 9,248 | 73 | 10,098 | 79 | 9,628 | 76 | 8.601 |
| Long Lake | Ralston Creek | 1,261 | 83 | 1,159 | 77 | 351 | 26 | 655 | 48 | 189 |
| Tucker | Ralston Creek | 254 | 23 | 475 | 43 | 236 | 22 | 581 | 53 | 218 |
| Leyden | Clear Creek | 916 | 80 | 916 | 80 | 798 | 69 | 354 | 31 | 0 |
| Hyatt | Clear Creek | 819 | 75 | 818 | 75 | 443 | 40 | 546 | 50 | 417 |
| Standley | Clear Creek | 41,562 | <u> 8</u> 6 | 37,109 | 88 | 41,924 | 66 | 33.544 | 79 | 33.762 |
| Coors B #3 | Clear Creek | 2,514 | 100 | 2,514 | 100 | 2,514 | 100 | 2,514 | 100 | 2,514 |
| Coors B #4 | Clear Creek | | | | | 3,506 | 94 | 1,986 | 53 | 3,729 |
| Blunn | Clear Creek | 4,600 | 79 | 5,269 | 16 | 5,462 | 94 | 5,442 | 94 | 4,725 |
| Others | | 11,766 | 78 | 9,460 | 63 | 9,669 | 64 | 6, 863 | 46 | 8,510 |

| | | PREVIOUS IRRIGATION | IRRI | GATION YEAR | 24 | 1984-1985 | 35 IHH | IRRIGATION YEAR | АН | |
|------------------|------------------|---------------------|------|-------------|--------|------------|----------|-----------------|-----------|----------|
| RESERVOIR NAME | STREAM SOURCE | Beg Irr Yr | | eg Irr Sea | Season | Beg Irr Yr | | eg Irr Sea | son | End 1985 |
| | | AF % | 1 | AF | % | AF | | AF % | % | Water Yr |
| Aurora Rampart | Gulch | 1,086 | 61 | 1,182 | 66 | 1,118 | <u> </u> | 1,189 | 66 | 855 |
| Chatfield | South Platte | 26,289 | 37 | 24,387 | 34 | 27,266 | 38 | 27,495 | 38 | 27,036 |
| Cherry Creek | Cherry Creek | 14,092 | 90 | 15,499 | 90 | 15,103 | 90 | 14,226 | 90 | 13,598 |
| Marston | South Platte | 9,613 | 56 | 16,802 | 98 | 9,638 | 56 | 16,231 | 94 | 10,019 |
| McLellan | Dad Clark Gulch | 5,665 | 94 | 5,557 | 93 | 5,575 | 93 | 5,665 | 94 | 5,719 |
| Platte Canon | South Platte | 0 | 00 | 763 | 76 | 0 | 00 | 862 | <u> 8</u> | 830 |
| Quincy | South Platte | 2,541 | 92 | 2,458 | 89 | 2,527 | 91 | 2,199 | 79 | 2,527 |
| Strontia Springs | South Platte | 7,021 | 89 | 7,264 | 92 | 7,166 | 16 | 7,225 | 92 | 7,333 |

| | | PREVIOU | S IRR | PREVIOUS IRRIGATION YEAR | LR | 1984-19 | 85 IRF | 1984-1985 IRRIGATION YEAR | AR | |
|------------------|-----------------|-----------|-------|--------------------------|-------------|------------|-------------|---------------------------|---------------|------------|
| RESERVOIR NAME | SOURCE | Beg Irr Y | | Beg Irr Se | uose | Beg Irr Yr | | leg Irr See | ison | End 1985 |
| | | AF | 20 | AF | % | AF | | AF | % | Water Yr |
| Aurora Rampart | Gulch | 1.086 | 16 | 1,182 | 66 | 1.118 | 63 | 1.189 | 66 | 855 855 |
| Chatfield | South Platte | 26,289 | 37 | 24,387 | 34 | 27,266 | 38 | 27,495 | 38 | 27,036 |
| Cherry Creek | Cherry Creek | 14,092 | 90 | 15,499 | 06 | 15,103 | 90 | 14,226 | 06 | 13,598 |
| Marston | South Platte | 9,613 | 56 | 16,802 | <u> 98</u> | 9,638 | 56 | 16,231 | 64 | 10,019 |
| McLellan | Dad Clark Gulch | 5,665 | 94 | 5,557 | <u> 9</u> 3 | 5,575 | <u> 9</u> 3 | 5,665 | 94 | 5,719 |
| Platte Canon | South Platte | 0 | 00 | 763 | 76 | 0 | 00 | 862 | <u> 06</u> | 830 |
| Quincy | South Platte | 2,541 | 92 | 2,458 | 89 | 2,527 | 16 | 2,199 | 79 | 2,527 |
| Strontia Springs | South Platte | 7,021 | 83 | 7,264 | 92 | 7,166 | 91 | 7,225 | 92 | 7,333 |

| | C TTDE AM | PREVIOU | JS IRRI | PREVIOUS IRRIGATION YEAR | AR | 1984-19 | 85 IRI | 1984-1985 IRRIGATION YEAH | EAH | |
|-----------------|-------------------|---------|----------|-------------------------------|------|-----------|--------|----------------------------------|------|----------|
| RESERVOIR NAME | SOURCE | Beg Irr | <u> </u> | <u> Irr Yr Beg Irr Season</u> | ason | Beg_Irr_Y | ן ג | <u>Beg Irr Yr Beg Irr Season</u> | ason | 5861 pug |
| | | AF | % | AF | % | AF | % | AF | % | Water Yr |
| Soda #2 (East) | Bear Creek | 1,507 | 100 | 1,507 | 100 | 1,507 | 100 | 1,501 | 100 | 1,507 |
| Bowles | Bear Creek | 1,610 | 65 | 1,610 | 65 | 1,335 | 54 | 1,194 | 48 | 1,194 |
| Patrick | Bear Creek | 588 | 50 | 588 | 50 | 558 | 50 | 588 | 50 | 694 |
| Bear Creek Res. | Bear Creek | 1,989 | 03 | 2,217 | 03 | 2,154 | 03 | 2,226 | 03 | 2,027 |
| Others | | 4,028 | 73 | 4,094 | 74 | 4,850 | 81 | 3,537 | 59 | 3,517 |

| | MAGUMO | PREVIOUS | S IRRI(| PREVIOUS IRRIGATION YEAR | AR | 1984-15 | 85 IRI | 1984-1985 IRRIGATION YEAR | EAR | |
|---|---|-------------------------------------|-----------------------|-----------------------------------|-----------------------|--------------------------------------|-----------------------|------------------------------------|-----------------------|-------------------------------------|
| RESERVOIR NAME | SOURCE | Beg Irr Yr AF % | | Beg <u>Irr Season</u> AF % | ason % | Beg Irr Yr AF | 20 | <u>Beg Irr Season</u> AF % | ason % | Knd 1985 Water Yr |
| Antero Montgomery Eleven Mile Spinney Mountain | S Fk South Platte Mid. Fk. S. Platte Mid. Fk. S. Platte Mid. Fk. S. Platte | 15,996 3,979 97,799 50,530 | 19 78 100 93 | 15,878 610 97,779 48,701 | 19 12 100 89 | 15,937 4,686 102,018 49,359 | 19 92 104 91 | 15,996 994 100,532 52,845 | 19 20 103 97 | 15,957 2,916 98,938 48,263 |

| | | PREVIOU | S IRRI | PREVIOUS IRRIGATION YEAR | LR. | 1984-198 | 15 IRH | 1984-1985 IRRIGATION YEAR | (AH | |
|--|--|----------------------------|----------------|-------------------------------|----------------|----------------------------|----------------|-------------------------------|----------------|----------------------------|
| RESERVOIR NAME | STREAM SOURCE | <u>Beg Irr Yr</u> AF % | | <u>Beg Irr Season</u> AF % | | <u>Beg_lrr_YrBe</u> AF | | <u>Beg_Irr_Season</u> AF % | son % | End 1985 Water Yr |
| Prewitt North Sterling Julesburg | South Platte South Platte South Platte | 20,370 29,250 21,214 | 71 36 75 | 24, 980 70, 040 24, 980 | 87 85 89 | 21,890 36,810 15,213 | 76 45 54 | 27, 904 71, 488 23, 404 | 97 87 83 | 16,070 22,020 18,547 |

WATER DISTRICT 80

| RESERVOIR NAMESourceBeg Irr YrBeg Irr SeasonAF%AF%AF%AF%CheesmanS. Fk. S. Platte77,2519879,553101WellingtonN. FK. S. Platte2,634603,83187 | | | PREVIOU | S IRRI | PREVIOUS IRRIGATION YEAR | AR | 1984-19 | 85 IR | 1984-1985 IRRIGATION YEAR | (EAR | |
|---|-----------------------------|--------------------|-------------------------|-------------|--------------------------|-----------------|--------------------------|-----------------|---|-----------------|--------------------------|
| S. Fk. S. Platte 77,251 98 79,553 N. FK. S. Platte 2,634 60 3,831 | SERVOIR NAME | S I HEAM SOURCE | Beg_ <u>Irr_Y</u> AF | | eg_ <u>Irr_Se</u> AF | ason % | <u>Beg Irr)</u> AF | r % | <u>Beg Irr Yr _ Beg Irr Season</u> AF % AF % | sason % | End 1985 Water Yr |
| 0thers 1 032 84 1 037 84 | eesman 1 lington bers | Fk. S. FK. S. | 77,251 2,634 | 86 80 88 | 79,553 3,831 | 101 87 84 | 78,732 3,358 1 048 | 100 76 85 | 79,844 4,232 1.089 | 101 96 88 | 73, 150 3, 036 799 |

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1985 WATER DIVERSION SUMMARIES BY DISTRICT IN AF

| NWA 1 1 2 2 3 | NR N 186 51 147 147 | - | NUMBER OF | DIVERSIONS | DIVERSIONS | TOTAL | NUMBER OF | AVERAGE |
|---------------------|---------------------------------|-------------------------|---------------------------|---|---|--|--|--|
| | N | | | | | | | |
| | | ∞ | HALTO | | TO STORAGE | DIVERSIONS | ACRES | AF PER |
| | | 68 | VISITATIONS | -AF- | A F | A F | IHHIGATED | ACHE |
| | | | 2,765 | 615,899 | 308,791 | 294,613 | 187,207 | 1.57 |
| | | 16 | 2,797 | 518,291 | 150,889 | 356,112 | 281,897 | 1.26 |
| | | 45 | | 782,218 | 329,452 | 431,110 | 300,690 | 1.43 |
| | | 4 | 1,205 | 205,731 | 42,761 | 156,597 | 107,706 | 1.45 |
| | | ъ С | 4,548 | 185,551 | 18,532 | 150,194 | 105,540 | 1.42 |
| | | 74 | 2,521 | 238,497 | 30,980 | 96,671 | 165,470 | 0.58 |
| • | | 19 | 2,571 | 199,695 | 48,913 | 84,130 | 51,250 | 1.64 |
| | | 85 | 295 | 429,451 | 140,189 | 65,326 | 19,811 | 3.30 |
| 7 | | ŝ | 3,142 | 13, 397 | 1,581 | 9,839 | 6,645 | 1.48 |
| - • | | 12 | 1,876 | 127,552 | 53, 733 | 48,649 | 17,034 | 2.85 |
| | | 2 | 1,605 | 16,273 | | 16,273 | 4,650 | 3.50 |
| | | | 0 | 5,927 | | 5,927 | 1,555 | 3.80 |
| 9 | 16 | 11 | 1,445 | 320,933 | 25,596 | 285,783 | 205,362 | 1.39 |
| | | | 75 | 12,231 | | 12,231 | 4,720 | 2.59 |
| | | 48 | 448 | 21,547 | 12,701 | 8,667 | 3,004 | 2.89 |
| 1 | 1 | 197 | 27,682 | 3.693,193 | 1.164.118 | 2.022.122 | 1.461.941 | 2.08 |
| | | 14 16 32 1,717 | 14 16 32 1,717 3 | 14 7 16 11 1 32 48 1,717 397 2 | 14 7 16 11 1 32 48 1,717 397 2 | 14 7 1,605 16, 273 0 5,927 16 11 1,445 320,933 1 75 12,231 32 48 448 21,547 1 75 31,547 1 397 27,682 3,693,193 | 14 7 1,605 16, 273 0 5,927 16 11 1,445 320,933 1 75 12,231 32 48 448 21,547 1 337 27,682 3,693,193 1,1 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |

1985 WATER DIVERSION SUMMARIES BY DISTRICT IN AF (CONTINUED)

| ΜD | TRANSMOUNTAIN TRANSBASIN OUTFLOW OUTFLOW | N TRANSBASIN OUTFLOW | MUNICIPAL | INDUSTRIAL | RECREAT IONAL | FISHERY | COMMERCIAL | RECHARGE | AUG |
|--------|---|-------------------------|-----------|------------|---------------|---------|------------|----------|--------|
| 5 | | | | 19 AOF | | | | 000 62 | 662 0 |
| | | | | 14,430 | | | | 96,203 | 0, 133 |
| 02 | | | 2,609 | | | 332 | 7,498 | 3,549 | 2,609 |
| 03 | | | 21,521 | 135 | | | | | 427 |
| 04 | | | 5,760 | | | | 613 | | 3,485 |
| 05 | | | 16,825 | | | | | | 4,463 |
| 06 | | | 109,775 | 1,071 | | | | | 1,068 |
| 07 | | | 17,434 | 49,218 | | | | | 2,439 |
| 80 | | | 213,468 | 4,764 | | 4,516 | 245 | | 943 |
| 60 | | | 1,977 | | | | | | |
| 23 | | | 17,410 | 2,951 | 3,691 | 417 | | 4 | 1,558 |
| 48 | | | | | | | | | |
| 49 | | | | | | | | | |
| 64 | | | | 2,757 | | | 906 | 5,891 | 9,976 |
| 65 | | | | | | | | | |
| 80 | | | 174 | | | | ũ | | 18 |
| | | | | | | | | | |
| TOTALS | | | 406,953 | 73,391 | 3,691 | 5,265 | 9,267 | 61,713 | 35,719 |

WATER COURT ACTIVITIES

| No. of Consultation No. of Decrees Issue | d by Wate | er Court | | | | | 468 355 |
|---|-----------|----------|-------------------|------------|---------|----------|------------|
| | | | | Туре о | of Stru | ctures | |
| Type of Decrees | | Ditch | | | | Other | |
| New Appropriation | | | | | | | |
| Change | 153 | 42 | 78 | 7 | 902 | 39 | 1068 |
| | | TF | 'R | | | 0 | |
| | | | t Poir | | | 7 | |
| | | | ange l | | | 8 | |
| | | | ligend | | | 80 | |
| | | | andon: orrect: | | | 18 | |
| | | | ig Plai | | | 21 19 | |
| | | | - | ot of d: | iversio | | |
| | | | | point of | | | |
| | | | change | | | 2 | |
| | | | her | | | 6 | |
| Other | 44 | | | | | | |
| | | Di | smissa | a 1 | | 34 | |
| | | | icate | | | 2 | |
| | | | junct: | | | 2 | |
| | | | ipula: her | tion | | 0 6 | |
| TOTAL DECREES | 355 | TO | TAL NO | . OF S | | ES | |

ABANDONMENT LIST

594 Structures/Priorities

| | ACTIONS S | TRUCTURES/PRIORITIES |
|-----|---|----------------------|
| 157 | Protests Filed | 185 |
| 10 | Motions to Delete (DE) | 10 |
| 35 | Motions to Correct (DE) | 35 |
| 15 | Court Orders to Retain on Abandonment List | 16 |
| 22 | Protests Withdrawn | 32 |
| 10 | Motions to Delete (DE) Granted | 10 |
| 32 | Court Ordered Deletions | 38 |
| 80 | Court Ordered Deletions, Provide Change of Water Right Filed | ed 93 |
| 6 | Court Ordered Modifications | 8 |
| 48 | Change Applications Filed | 76 |
| 2 | Protests Pending | 2 |
| | TOTAL STRUCTURES | 594 |
| | DELETED BY DIVISION ENGINE COURT ORDERED DELETIONS | SER 10 38 |
| | DELETED PURSUANT TO CHANGE | |

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ACTIVITY SUMMARY

| ACTIVITY | WATER YEAR | |
|---|------------|------------------------------|
| Number of professional and technical staff | | 5 |
| Number of clerical staff | | 2 |
| Number of Water Commissioner FTE assigned (full and part-time) | | 15 Full Time 12 Part Time |
| Number of decreed surface rights | | 9,680* |
| Number of surface rights administered | | ** |
| Number of wells | | 64,148 |
| Number of plans for augmentation | 19 | 282 |
| Number of consultations with Referee | 468 | |
| Number of Water Court appearances | 318 | |
| Number of meetings with water users | 570 | |
| Number of meetings to resolve water related disputes | 4 | |
| Number of contacts to give public assistance on water matters | 55,432 | |
| Contact with other agencies | 180 | |

* Estimated from Tabulation
**To be Determined

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RIVER CALL

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| Date Call Initiated 1985 | Date Call Released 1985 | Structure Name | Appropriation District Date | trict | Person Placing Call | Districts Affected |
|--------------------------------|-------------------------------|--------------------------------|--------------------------------|-------|------------------------|--------------------------------|
| 12/16/84 | 12/18/84 | Barr Lake | 11/20/1885 | 02 | Albert Sack | 8,9,23,80 |
| 12/18/84 | 03/19/85 | | | C | | 00 00 |
| 03/19/85 04 /02 /05 | 04/03/85 06/25/85 | Marston Reservoir No Domend | 04/01/1911 | 08 | Jim McClure | 80,23 |
| 06/25/85 | 07/05/85 | Burlington | 11/20/1885 | 02 | FRICO | 8,80,23,9, |
| 07/05/85 | 07/05/85 | Ft. Morgan Canal | 10/18/1882 | 01 | Fritz Helzer | 2, 3, 4, 5, 6, 7, 8, 80, 9, 23 |
| 07/05/85 | 07/15/85 | Independent | 11/20/1876 | 02 | Pete Walter | 23,80,8,7,9 |
| 07/05/85 | 07/08/85 | Pawnee | 06/22/1882 | 64 | | 1, 2, 3, 4, 5, 6 |
| 07/08/85 | 07/16/85 | Fort Morgan Canal | 10/18/1882 | 01 | Fritz Helzer | 2,3,4,5,6,7,8,80,9,23 |
| 07/16/85 | 07/19/85 | Bijou | 10/01/1888 | 01 | Ross Osborne | 2,3,4,5,6,7,8,80,9,23 |
| 07/19/85 | 07/29/85 | No Demand | | | | |
| 07/29/85 | 07/31/85 | Bijou | 10/01/1888 | 01 | Ross Osborne | 2, 3, 4, 5, 6, 7, 8, 80, 9, 23 |
| 07/31/85 | 08/09/85 | No Demand | | | | |
| 08/09/85 | 08/21/85 | Fort Morgan Canal | 10/18/1882 | 01 | Fritz Helzer | 2,3,4,5,6,7,8,9,23,80 |
| 08/09/85 | 08/28/85 | Duel & Snyder | 04/07/1884 | 01 | Ora Pickett | 2, 3, 4, 5, 6, 7, 8, 9, 80, 23 |
| 08/16/85 | 08/26/85 | Springdale | 07/19/1886 | 64 | Gilbert Schuman | Ĩ |
| 08/28/85 | 09/06/85 | Upper Platte & Beaver | 04/15/1888 | 01 | Dean Christenson | 2,3,4,5,6,7,8,9,80,23 |
| 09/06/85 | 09/07/85 | Bijou | 10/01/1888 | 01 | Ross Osborne | 2, 3, 4, 5, 6, 7, 9, 8, 80, 23 |
| 09/07/85 | 09/08/85 | No Demand | | | | |
| 09/09/85 | 09/20/85 | Marston Reservoir | 04/01/1911 | 08 | Bill Bates | 80,23 |
| 09/20/85 | 10/31/85 | No Demand | | | | |

COMPACTS

SOUTH PLATTE RIVER COMPACT

The Colorado-Nebraska Compact on the South Platte provides that Colorado shall have the full use of the river water between the fifteenth of October of any year and the first day of April of the succeeding year but that, between the first day of April and the fifteenth of October of each year, Colorado shall not permit diversion from the river below the Washington-Morgan County line to supply water rights having priority dates junior to June 14, 1897 to the extent that they would diminish the flow of the river at the Julesburg gaging station below a daily mean flow of 120 cfs.

Normally it is not necessary to curtail any surface diversion in Colorado to honor the compact because stream flows are inadequate to satisfy all the water rights senior to the compact date.

Preliminary flow data for the Julesburg station indicates that during the 198 day period from April 1 to October 15, 1985, the mean daily flow dropped below 120 cfs on 60 days.

REPUBLICAN RIVER COMPACT

The Republican River Compact allocates water to the signatory states, Colorado, Kansas and Nebraska on the basis of beneficial consumptive use. Colorado's total allocation of 54,100 acre feet is broken down as follows:

North Fork of the Republican River Drainage Basin10,000 AFArikaree River Drainage Basin15,400 AFSouth Fork of the Republican River Drainage Basin25,400 AFBeaver Creek Drainage Basin3,300 AF

and in addition, for beneficial consumptive use in Colorado annually, the entire water supply of the Frenchman Creek (River) Drainage Basin in Colorado and the Red Willow Creek Drainage Basin in Colorado.

The computed annual consumptive use in Colorado in the Republican River Basin for the 1984 water year, the last year for which official figures are available, was an follows:

| STREAM | DIVERSIONS | CONSUMPTION | PERCENT OF_ALLOCATION |
|-------------------------|------------|-------------|--------------------------|
| N. Fk. Republican River | 9,570 | 6,940 | 69.4 |
| S. Fk. Republican River | 9,170 | 6,660 | 26.2 |
| Arikaree River | 5,410 | 4,060 | 26.4 |
| Beaver Creek | 0 | 0 | 0 |

COMPACTS (continued)

LARAMIE_RIVER_COMPACT

The 1957 decree of the United States Supreme Court limits the diversions from the Laramie River and its tributaries to 49,375 acre feet annually for the State of Colorado. **0f** that amount. 19,875 acre feet are allocated to transmountain users and the remaining 29,500 acre feet to the meadowland users within the The meadowland users are further restricted river basin. to more than 1,800 acre feet after July 31 of each diversions of not year. In the event that that the transmountain users do not divert their full allotment, the meadowland users may divert the difference between the 19,875 acre feet and the actual amount if diverted within the same year.

Sand Creek, which arises in Colorado, later becoming tributary to the Laramie River in Wyoming, is not included within the terms of the compact. Instead, Colorado and Wyoming have a working agreement whereby senior water rights on Sand Creek in Wyoming are recognized before junior diversions are made in Colorado through the Wilson Supply Canal, a transbasin diversion.

In 1985, the transmountain diversions under the Laramie River Compact totaled 18,030 acre feet of the 19,875 acre feet compact allowance. The meadowland diversions totaled 16,273 acre feet or some 55% of the allotment. Total Colorado diversions were 34,303 acre feet or 69% of the total allotment of 49,375 acre feet.