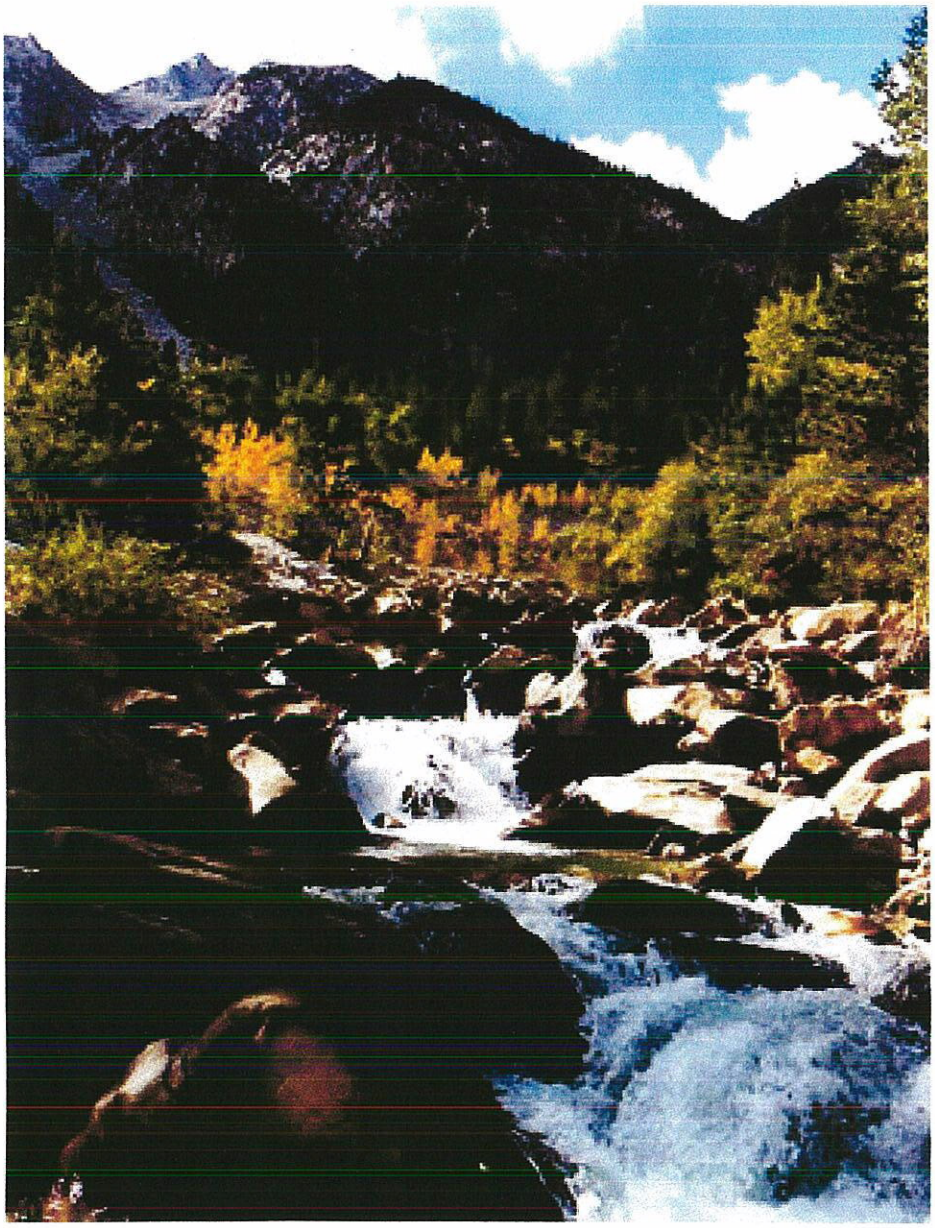
DIVISION 2



2000 ANNUAL REPORT

DIVISION ENGINEER'S ANNUAL REPORT

Water Division 2

2000

April 16, 2001

Mr. Hal Simpson
State Engineer
Division of Water Resources
1313 Sherman Street, Room 818
Denver, CO 80203

Dear Hal:

On behalf of the Division 2 staff, I submit the Division 2 Annual Report summarizing activities for Water Year 2000.

I would like to express sincere gratitude to the Division 2 personnel, you, and your staff for extending the support that allowed our responsibilities and duties to be effectively accomplished during this past irrigation year.

Respectfully submitted,

Steven J. Witte

Steven J. Witte
Division Engineer, Division 2

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Cover Picture: Chalk Creek in San Isabel National Forest

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I. ACTIVITIES and ACCOMPLISHMENTS 2000 WATER YEAR

A. Surface Water Administration

- The Division Engineer's office in cooperation with the Pueblo Winter Water Storage Board of Trustees administered the Winter Water Storage Program during the winter of 1999-2000. A total of 178,579 acre-feet of water was stored or directly diverted during the 120-day program season. This value compares to 174,646 acre-feet stored in the previous season and 161,636 acre-feet as an average of the last five years.

  Following the extraordinarily abundant water supply in 1999, the conservation pool of Pueblo Reservoir was at 93% of capacity at the beginning of the Winter Water Storage Program. With the probability of spill being high, participants elected to obtain their entitlements under the Program, primarily through off-channel storage or direct diversion. Storage in Pueblo only accounted for approximately 13% of all water distributed under the Program. Water stored in John Martin Reservoir reached the level within the flood pool causing water to be spilled on January 28, 2000. Thereafter, with Program participants having declined further opportunity to store water in Pueblo Reservoir, the Bureau of Reclamation was allowed to exercise their "east-slope" storage rights in Pueblo Reservoir during late February and early March. The spill from John Martin Reservoir was discontinued on March 11, 2000. At the conclusion of the Pueblo Winter Water Storage Program, approximately 20,000 a.f. of water was held in the winter-seasonal conservation pool. A summary of Program operations can be found in Appendix D. Following the end of the Program storage period, on April 13th, 2500 a.f. of water held under "If and When" contracts and 3900 a.f. of Program water was released in order to attain the summer conservation pool limitation.

  The remainder of the irrigation year validated the early season prediction of below average streamflow throughout the Arkansas Basin. This condition caused irrigators to draw heavily upon water stored in reservoirs and underground aquifers. A summary of transmountain diversions is included as Appendix A. Diversions by water district are summarized in Appendix B and a record of mainstem river calls is included in Appendix C.

- The Division Engineer for Division 2 acts as the Operations Secretary to the Arkansas River Compact Administration. In that capacity, the

Division Engineer is charged with conducting the operations of John Martin Reservoir during each Compact year (November 1 through October 31) pursuant to the April 24, 1980 "Resolution Concerning an Operating Plan for John Martin Reservoir" (as subsequently amended) and submitting an annual report of these operations to the Administration. During the meeting of the Arkansas River Compact Administration (ARCA), held on December 7, 1999, the Division Engineer submitted the "Annual Report of the Operations Secretary Concerning the Operations of John Martin Reservoir-1999".

The Chairman of the ARCA Operations Committee called a meeting of the Committee on February 23 and 24, 2000 in Lamar, Colorado. This meeting was conducted pursuant to the terms of a letter agreement dated February 18, 2000 for the purposes of discussing numerous operational and accounting issues that had been raised by the Assistant Operations Secretary that are of concern to Kansas and which were listed in the Operations Secretary's 1999 report as well as in this report, last year. The author of this report is unaware of any action or decisions taken by the Operations Committee subsequent to the February 2000 committee meeting including the December 13, 2000 ARCA meeting. However, the federal ARCA representative has solicited and exchanged between the state's Committee representatives, lists of issues which each state believes to be most resolvable. It would seem that progress toward resolution of these matters, first raised in December of 1998, will be excruciatingly slow to develop through the current means of the Compact Administration.

- One of the casualties to the list of objectives identified for the past year which occurred, in part due to the chronic understaffing situation experienced in Division 2, was the initiative to implement a pilot project to quantify the effect of unregulated illegal water impoundment structures through analysis of satellite imagery. However, through piecemeal enforcement efforts, we successfully prompted several impoundment owners to provide water to replace the out-of-priority evaporation losses that occurred from such structures.

- A greater measure of success was achieved regarding the objective of requiring installation of water measurement and control devices as needed to facilitate administration. A noteworthy example of this is the instrumentation of the Model Ditch and Reservoir system which allowed development of an accounting system necessary to implement terms of a court decree.

- Surface Water Administration was complicated by the limited capability of tools under development which have been released for the purpose of distributing basic streamflow information used as a basis for administrative decision making. Forthcoming improvements that will display flow rates for a number of sites over a period of time on a single page, including reliable values for U.S.G.S. stations, will greatly enhance the functional utility of "SatMon Tool" for administration officials.

B. Administration of Ground Water Use and Measurement Rules

Sixteen plans were reviewed by Division 2 staff and approved in accordance with Rule 14 of the Use Rules. In addition, wells subject to the Use Rules operated pursuant to 91 plans approved under the provisions of Section 37-80-120, C.R.S.

The sixteen plans reviewed by Division 2 staff involved 1972 wells projected to pump approximately 183,500 acre-feet during the 2000-2001 plan year (April-2000 through March-2001). Replacements to protect Colorado senior surface rights and usable Stateline flow were estimated to be over 50,000 acre-feet based on depletions from previous actual pumping and depletions from estimated pumping during the plan year. Actual total pumping reported during the irrigation year amounted to 183,357 a.f.

- Division 2 continued its quality control program for measurement of diversions from wells in the basin subject to the "Amended Measurement Rules." Those Rules require wells to either be equipped with a totalizing flow meter or have a Power Consumption Coefficient. Installed totalizing flow meters must be verified to be accurate each four years, and Power Consumption Coefficients must be re-determined each four years.

  The quality control program includes follow up tests on the independent tests of flow measurement made pursuant to the "Amended Measurement Rules." In calendar year 2000, 727 measurement forms were received, 424 forms for either new totalizing flow meters or re-verification of totalizing flow meters and 303 forms for PCC's. We conducted follow up tests on 27 totalizing flow meter tests and 60 PCC tests.

  The Well Tester training program included both a 3- day class / field exercise for approval of new testers conducted April 12-14, and a workshop for previously certified testers held April 7, 2000.

The Power Consumption Coefficient Study, "Comparison of Two Approaches for Determining Ground-Water Discharge and Pumpage in the Lower Arkansas River Basin, Colorado, 1997-98", USGS Water-Resources Investigations Report 99-4221, was released in 1999. During 2000, we continued to monitor wells in the study and continued to determine power coefficients for many of those wells for the purpose of developing long term data on the PCC method.

- For each of the sixteen Rule 14 Plans reviewed and administered by Division 2 as well as related Substitute Water Supply Plans, monthly pumping and wellhead depletions were calculated for the active wells subject to administration under the Rules. Pumping was calculated using either the electric kilowatt hour usage per month divided by the power conversion coefficient or was determined from monthly flowmeter, slave meter, or hour meter readings reported by well owners each month.

  Monthly meetings were held through the irrigation season and representatives of each Rule 14 plan were notified. Meetings were generally attended by representatives of major plans as well as a Southeast Water Conservancy District Representative and Division 2 staff. At these meetings, monthly pumping and depletions were identified and plan operations to define releases from the sources available to each plan were discussed. Additionally, these meetings were used to communicate problems with over-pumpers and anticipated needs for updating measurement for wells.

- Division 2 continued its active enforcement of well rules in the field. During the 2000 water year, four groundwater field enforcement technicians monitored well use in the field. The four individuals are assisted by the measurement technicians, as available and needed. During the 2000 water year, 6721 well visits were made for enforcement of the rules, and 36 field orders were issued.

- Office based enforcement of the measurement and use rules resulted in over 650 orders for wells. Of those, 434 were measurement orders, mostly due to expired measurement techniques. Appendix E provides a more detailed listing of orders issued.

C. Developments in KS vs. CO

- Division 2 staff involvement in the ongoing lawsuit, Kansas v. Colorado, No. 105 Original (U.S. Supreme Court), was primarily preparatory to additional trial proceedings to assess compact compliance for the period following 1996 and to determine the sufficiency of Colorado efforts to achieve full compliance. The activities of Division 2 staff will follow a description of other developments in the case.

  - Trial on the damages through the year 1994 and an appropriate remedy for such damages was begun in November 1999 and concluded at the end of January 2000.
  - Special Master, Arthur L. Littleworth presented his recommendations regarding these trial proceedings in his Third Report to the Supreme Court dated August 2000.
  - Oral Argument before the Supreme Court concerning exceptions to this Third Report was held March 19, 2001.

  In preparation for the anticipated hearing on compliance issues, which is now expected to occur during the late summer or fall of 2001 several activities were undertaken by Division 2 personnel during 2000.
  - Staff attended the deposition of Hal Simpson held June 21, 2000.
  - Bill Tyner and Dale Straw were deposed, following the deposition of Dewayne Schroeder, August 29-31, 2000.
  - Steve Witte was deposed on September 7, 2000.
  - Developed a "Data Collection and Monitoring Plan" (November 6-19, 2000) in support of settlement negotiations.

D. Legal and Litigation

- One hundred and fifty three cases were filed with the Division Two Water Court during 2000. This number is slightly less than the number of applications filed during the previous year. Twenty eight of these were filed by the State and Division Engineers as enforcement actions, the majority of which were directed towards violations of the rules and regulations concerning tributary groundwater use. A summary of applications, by type, are listed in Appendix F.

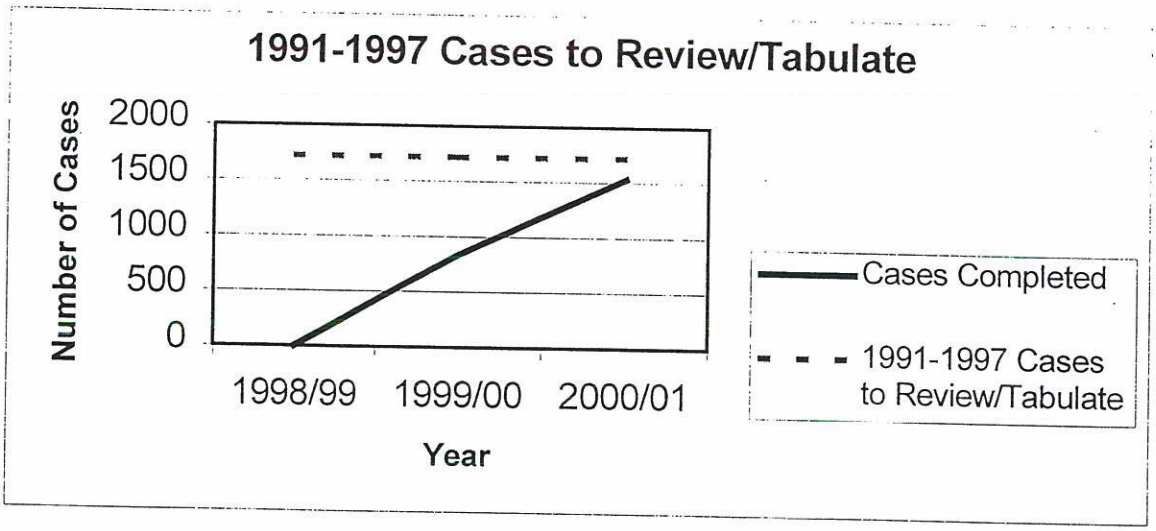
- The Division Engineer's staff were involved in only two hearings during the year.

E. Tabulation and Abandonment

- *Tabulation:*

  Beginning in 1995 the Division Two office began a concerted effort to update and upgrade the quality of the water rights Tabulation database. Staff time has been provided for this task by reallocating duties within the office staff, obtaining funds to allow for part-time field staff to work additional months during the winter season, and from Denver Office staff during the winter of 1999.

  During the 1995-1998 period many of the pre Water Court era decrees and Water Court decrees entered through 1990 were reviewed and re-tabulated as appropriate. Beginning in 1999 a further 1,721 applications were identified for the period of 1991-1997 which may have been decreed but not yet been tabulated. Following the winter of 1999/2000, 834 of these cases had been reviewed and tabulated as appropriate. To date 1,532 of these cases have now been reviewed and tabulated. Decrees granted during the 1998-2000 period have also now been substantially tabulated and a process developed to continue to tabulate decrees within a year of their adjudication.

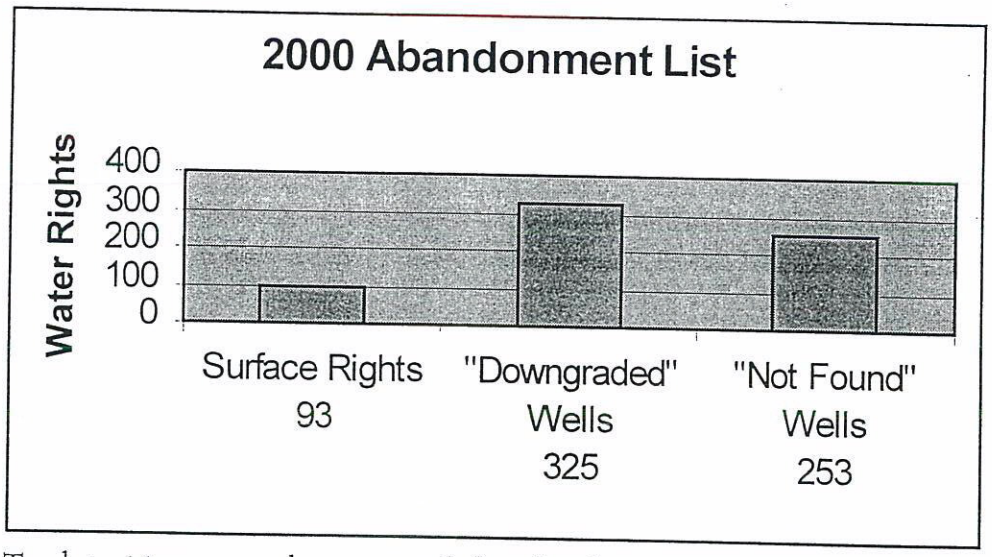


Further efforts planned during the current year are to finish the 1,721 applications mentioned above and to continue to resolve other quality and inconsistency problems associated with Hydrobase standards.

A summary of tabulation efforts during the last five years can be found in Appendix G.

- *2000 Abandonment:*
  The Division Two office published a list of water rights proposed for abandonment during July 2000 as required by statute. Certified notice of abandonment letters were additionally sent to all known parties representing these water rights.

The 2000 Abandonment List contained 671 water rights. Ninety-three of the rights were surface water rights such as ditches and reservoirs. Three hundred and twenty five of the rights represented groundwater rights for which the owners have within the past five years filed signed affidavits with the Water Court attesting to the abandonment of the non-exempt portion of their rights. Only the non-exempt portion of these rights was included on the abandonment list. The remaining two hundred and fifty three rights were for non-exempt groundwater rights for which the well structure could not physically be located during the Division Two groundwater field inventory process of the last five years. All rights associated with these structures were included on the abandonment list.



To date 11 water rights proposed for abandonment have been formally protested to the Division Engineers Office. Decisions whether to accept or deny any protests will be made following June 30, 2001 and a revised abandonment list will be forwarded to the Water Court by December 31, 2001.

F. Safety of Dams

- Two dam safety incidents occurred in WD 10: 1) an unnamed low hazard flood control dam in Colorado Springs nearly overtopped when a beaver plugged the ungated outlet, and 2) Sapphire Lake (Class III, owned by the Air Force Academy) spillway failed, the dam is being reconstructed. The dam owners responded promptly, and no releases or downstream damages resulted from either incident.
- Fisher Canyon dam (WD 10) in Colorado Springs was upgraded to Hazard Class I, and a new outlet gate was installed.
- The Lake Woodmoor (WD 10) spillway modifications were completed, and the restriction was removed.
- The Monument Dam (WD 10) rehabilitation design was approved.
- An investigation of the apparent slide on Teller Dam (WD 10) was conducted by the US Army Corps of Engineers. Repairs were made to the dam crest, and the restriction was removed.
- A geotechnical and hydrological investigation of Victor #2 Dam (WD 12) was conducted, and the design for rehabilitation of the dam and spillway was begun.
- Garrett Jackson attended the ASDSO national conference and regional slope stability training in Rhode Island.
- Garrett Jackson participated in the ICODS research committee workshop on seepage control in Denver.
- The dam safety engineers participated in a two-day conference with other dam safety engineers for the express purpose of re-writing and updating the Rules and Regulations for Dam Safety and Dam Construction.
- A geotechnical investigation and outlet inspection was performed on North Lake Dam, WD 19, and found that the dam did not meet required minimum factors of safety for stability, and the outlets were in very poor condition. Work is in progress to correct the identified deficiencies.
- Construction of Trout Creek Dam, a new 80-ft high RCC dam near Buena Vista, was resumed with most of the superstructure completed by the end of year. Stilling basin and crest work is all that remains.
- Construction of Droz Creek Dam, a new small class III dam west of Salida on Marshall Pass, was completed.
- Construction of a new outlet works on Verhoeff Dam, located just east of John Martin Dam, was completed.
- A geotechnical investigation was started at Nee Noshe Dam, one of the Great Plains Reservoirs, to study stability and piping problems. The report and recommendations are due in 2001.
- All regularly scheduled dam safety inspections were completed in accordance with the 1, 2 & 6 schedule.

G. Hydrography

- The Division 2 Hydrographic Program continued in WY2000 under the overall program leadership of Assistant Division Engineer, Dale Straw, PE II, supported by Thomas Ley, PE1 Lead Hydrographer; Lou Schultz, EIT Hydrographic Engineer; and two Hydrographic Technicians, Anthony Gutierrez and Adam Adame. Dale Straw also had specific hydrographic program oversight responsibilities for hydrographic record preparation in Division 5 during the water year.

  In contrast to several previous years, Division 2 hydrographic staff completed 37 streamflow records for WY1999 on time and with considerably improved quality. During the water year, five new gaging stations were installed (and added to the satellite monitoring system) utilizing funds from other agencies, canal companies, etc., to improve water administration and flood forecasting. Additionally, ten gaging stations were rebuilt with new equipment and/or shelters. A transit loss study was conducted during August 2000 on the Model Ditch system in WD 19.

  Division 2 hydrographers have assigned gaging stations/areas for which they have responsibility for station operation and maintenance, as well as the complete development and computation of streamflow records for specific historic record and/or compact gaging stations. Lou Schultz is responsible for gaging stations in WD 11 and provides some support in WD's 12 and 13. Tony Gutierrez and Tom Ley are responsible for gages in WD's 12, 13, 10, 14, 15, 16, 79, 18 and 19. Adam Adame is responsible for WD's 17 and 67. The efficiency of this operational mode was enhanced with the move of Adam Adame to the Division 2 La Junta office during the summer of 2000.

H. Information Technology

- A number of projects involving the use of computer technology were accomplished during the past year. These achievements demonstrate successful collaboration by technicians / engineers with the Division IT professional to increase efficiency, productivity, and improved service in a number of program areas for which we are responsible.

  - Continued upgrades to the "Dam Inspection Report Tool" (DIRT) as requested by Division 2 dam safety engineers.

- Developed an improved data capture program, including a scheduled database application to utilize the SatMon Tool to save and automatically update the Arkansas Daily web page.
- Developed a link to the Arkansas Daily to include information for District 11 in order to solve an information distribution problem affecting local stream administration.
- Completed and released for testing, the John Martin Accounting System (JMAS) database and data entry tools. Converted historical GWBasic files into an Access database. Also developed "JM Model" which allowed modeling of various rule-specific scenarios for presentation to Kansas through Power Point / Excel.
- Converted the old "Ground Water Accounting Model" GWAM, used for modeling response to stream systems due to well pumping, to Excel Visual Basic.
- Redesigned Measurement Form tables and application to improve utility and efficiency of data storage / retrieval for groundwater measurement rule enforcement purposes.
- Designed and released for internal testing the "Allplans" database to be used to monitor the operation and compliance of substitute water supply plans (SWSP). This prototype is intended to be redesigned to incorporate similar kinds of information to improve administration of plans for augmentation and other types of replacement plans.
- Developed databases to store and retrieve information relating to Vehicles and Computers allocated to this office.

I. Organization

- Agency Meetings and Initiatives:

  - *General Agency Staff Meetings*

Steve Witte, Division Engineer; Keith Kepler, Assistant Division Engineer; Steve Kastner, Assistant Division Engineer; and Dale Straw, Assistant Division Engineer attended the State Engineer's Spring Meeting in Denver, March 1-3, 2000.

Steve Witte, Keith Kepler, Steve Kastner, and Dale Straw attended the State Engineer's Late Summer Meeting in Glenwood, September 27-28, 2000.

◆ *Division 2 General Staff Meetings*

The Spring General Staff Meeting was held on April 7, 2000 at Sangre de Cristo Arts and Conference Center in Pueblo. The agenda included presentations regarding Dam Safety, Streamflow/Water Talk/Other Telemetered Data, Colorado Peak Performance, Tabulation, Abandonment 2000, Division Objectives and Open Discussion.

The Fall General Staff Meeting was held at the Pueblo Convention Center on November 1, 2000. Agenda topics included Division of Water Resources "Issues, Challenges, and Opportunities", Colorado Peak Performance, PERA Matchmaker Program, Abandonment, Substitute Water Supply Plans, Decision Support System Administration Tool and open discussion on "How we can do our jobs better, easier, and cheaper". Joe Flory was presented the Water Commissioner of the Year Award. Ray Garica was recognized with a Special Recognition Award for his dedication to work on tabulation, water right records, GPS efforts, and change of water administration due to better records. Don Taylor was recognized for his double duty in water administration in Water District 17 and assistance with John Martin Reservoir operation related to the Arkansas River Compact during the extended absence of Bill Howland.

◆ *Division 2 Monthly Staff Meetings*

There was an attempt to conduct monthly staff meetings each month in the Pueblo office for all staff. These meetings have been an effective means of communication of current efforts and pending projects.

◆ *Leadership Team Meetings*

Division 2 has continued to attend and support the Denver Leadership Team Meetings as a commitment to the future of the Division of Water Resources.

◆ *Employee Council Participation*

Bruce Smith is the Division 2 representative of this organization. Employee surveys are annually distributed and the final report is provided to staff upon Employee Council compilation of responses.

◆ *2000 Annual Picnic*

Janet Kuzmiak of the Pueblo office was able to attend the Annual Employee Picnic at Golden Gate State Park in July 2000.

- ♦ *Employee Recognition*

  Dale Straw was awarded the Manager of the Year Award and Vivian (Brown) Beal was awarded the Professional of the Year Aware at the Spring 2000 State Engineer Meeting. Bill Tyner received a Unit Manager's Discretionary Award (September 2000) in "recognition and appreciation of employee's solution focused orientation that avoided protracted confrontation and almost certain litigation". Wendy Bogard received a Unit Manager's Discretionary Award (November 2000) for gaining the State Controller's approval to purchase and use Pre-Paid phone cards to significantly reduce telephone long distance expenses.

- Personnel

Among the objectives identified for the year 2000 in last year's report was: Provide effective supervision to adequately deal with non-performance issues and to encourage superior performance... The Division 2 supervisors exerted an extraordinary effort toward accomplishing this objective. On the whole there is no greater occurrence of non-performance among Division 2 staff than any other subset of Division of Water Resources personnel, however, a conscious decision was made to not condone or tolerate such behavior. In order to hold subordinates accountable and with the objective of improving individual performance, productivity, and overall morale, a number of corrective and disciplinary actions were pursued.

A high rate of position vacancy was experienced within the Division 2 staff during the year. In some instances employees suffered unexpected long term illness or disability that prevented them from working, but required their positions to remain unfilled, so that the workload had to be distributed among other personnel. In other instances involving retirement, resignation, and reassignment, positions often remained unfilled for long periods of time due, in part, to inefficiencies within the personnel selection process. A great debt of gratitude is owed to staff members who pitched in to accomplish the critical functions that had to be done on time and consideration is due for tasks of lesser importance left undone. One of the few upsides to this situation was that we were able to use some of the vacancy savings to enable the hiring of two very capable young men, Thomas Brown and Cheston Hart, as temporary summer interns.

A listing of individual personnel actions that occurred, follow:

Kelli Segura, Administrative Assistant I, was hired on February 1, 2000. Position #463 was vacated by employee promoted to Program Assistant (position #227)

Mark Trivisonno, EPSA I, (Position #454) transferred to a position in the State Engineer's Office on March 16, 2000.

Robert Plese, EPST II, (Position #327) resigned on May 31, 2000.

Dale Straw, Professional Engineer II, (Position #455) transferred to a position in the State Engineer's Office effective July 31, 2000.

William Howland, EPST III, (Position #97) retired on September 27, 2000.

Gary Barta, Profession Engineer I, (Position #296) retired on September 29, 2000.

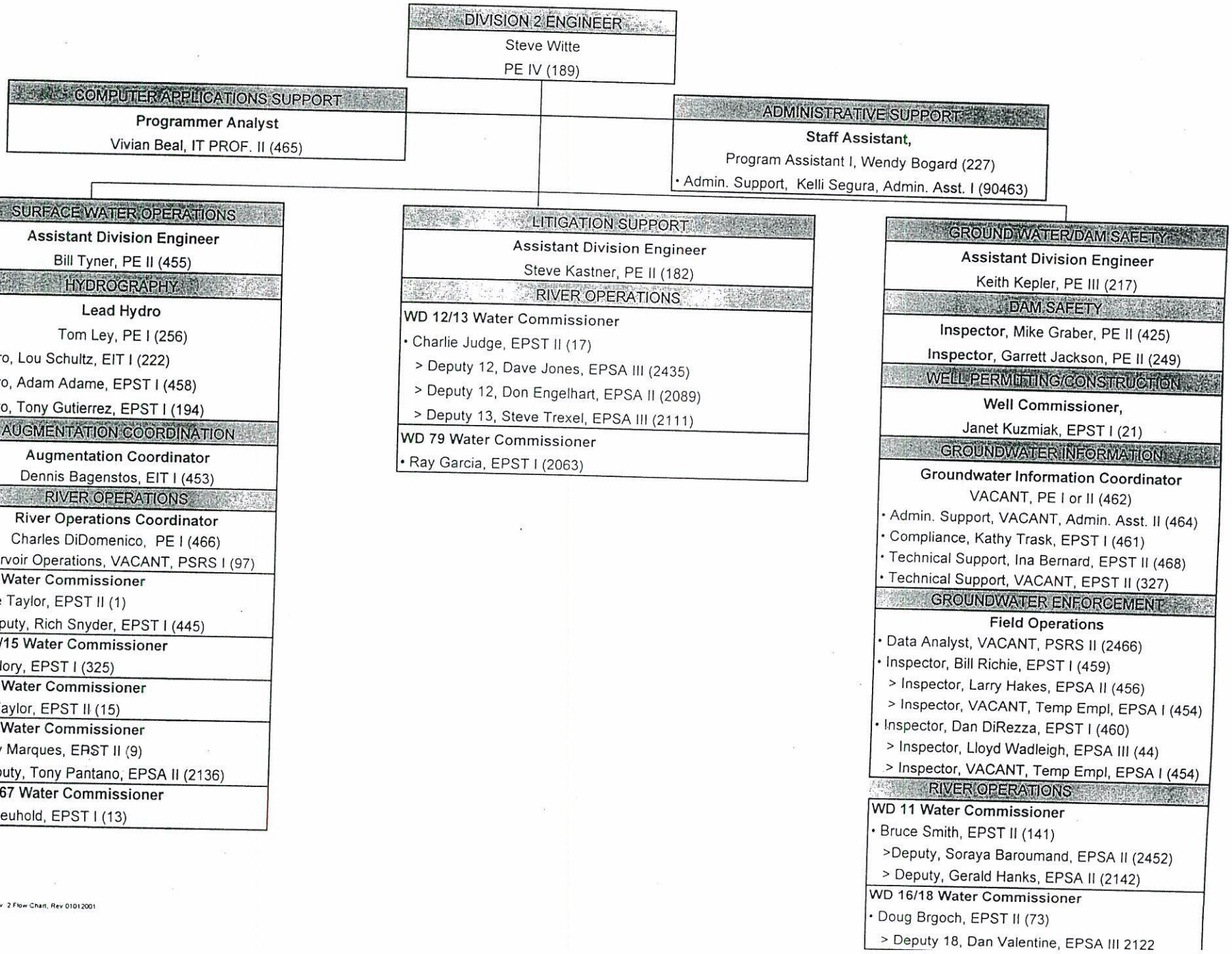
Bill Tyner, Professional Engineer II, was appointed to Position #455 effective October 11, 2000 (previously vacated by Dale Straw).

Kathy Trask was appointed to ESPT II (Position #327) effective November 15, 2000 (previously vacated by Bob Plese).

Julia Faix, Administrative Assistant II, (Position #464), retired on disability effective November 30, 2000.

Organizational Diagram on following page

Colorado Division of Water Resources
Division 2 Organizational Chart
January 1, 2001



C:\Data\Excel\Div 2 Flow Chart, Rev 01012001

- Safety Program

Tom Ley, acting as the Safety Coordinator for Division 2, solicited and received volunteers (Ina Bernard, Charlie Judge, and Bill Richie) to assist his efforts. Information concerning risks, and preventative measures associated with rattlesnake bites and Hantavirus infection was distributed to all Division personnel. Additionally, staff was advised as to the availability of on-line safety related training offered by the State Division of Risk Management.

An unfortunate incident involving threats made by the spouse of a disciplined employee against the employee's supervisor potentially placed the entire Division 2 Pueblo office staff in harm's way. In response to the verified threat, the supervisor was encouraged to pursue and eventually secured a permanent restraining order, which included an injunction to protect the office workplace. Interim steps taken to insure the safety of staff included the following measures, all employees were alerted to the threat, locks to the office were changed and the office doors were locked during the period March 8 to May 23, 2000 at some inconvenience to the public, and building security was advised.

- Training

The training program for Division 2 staff has, unfortunately, not been as active during the last year. Staffing shortages have forced prioritization of assignments and tasks and have taken away time previously devoted to this effort. However, there were positive benefits and programs related to training that did occur during the year.

In-house sessions included Meyers Briggs Type Indicator training, staff and public training on the new Well Construction Rules & Regulations, and GPS training for water commissioners and field staff who received hand-held Garmin units.

Individual training included STAR (Supervisory Training and Review) sponsored by the Department of Human Services and attended by 6 supervisors that had not previously attended a supervisory course; 2 Hydrographers were able to attend Cableway Safety Inspection training; 11 employees attended Colorado Water Official's annual meeting; Vivian Beal attended the IT Desktop Support class lead by the Denver IT staff; Wendy Bogard attended the annual Program Assistant meeting; 4 hydrographers attended the annual Hydro Training; and Garrett Jackson participated in the

ADSCO Conference; and Dennis Bagenstos cross-trained with Dick Wolfe learning Substitute Water Supply Plan review,through utilization of Discovery Funds.

The training budget allocated from Denver ($1500) continues to be supplemented by Division 2 operating funds and other available sources. Fiscal Year 2000 reflects total training expenditures as $5930.75.

The Training Committee continued to function under the same policy and by-laws as established in 1999. The local training coordinator is Wendy Bogard and other staff representatives on the committee include Keith Kepler, Vivian Beal, and Soraya Baroumand. New appointees include Dave Jones (replacing Bruce Smith) and Bill Richie (replacing Dennis Bagenstos).

J. Involvement in the Water User Community

- Division 2 staff members attended various meetings by other organizations held throughout the year to maintain working relationships with our constituency. These meetings are grouped by categories and identified as follows.

  - Groundwater Associations: e.g., Arkansas Groundwater Users Association (AGUA), Colorado Water Protective Development Association (CWPDA), Lower Arkansas Water Management Association (LAWMA).

  - Conservancy Districts: e.g. Southeastern Colorado Water Conservancy District (SECWCD), Purgatoire Water Conservancy District (PRWCD), and Upper Arkansas Water Conservancy District (UAWCD).

  - Ditch Companies and Water User Associations: e.g., Amity, Fort Lyon, Upper Water District 10 Water Users Association, and Wet Mountain Valley Water Users Association.

  - Arkansas River Compact Administration

  - Arkansas River Basin Technical Group: this is an alliance consisting of a variety of governmental agencies that have agreed to convene on a quarterly basis to share information concerning their water related programs.

- Additionally, Division 2 personnel have been involved in several other activities intended to increase public awareness of water related issues which are listed below:
  Arkansas River Basin Forum (March 2000)
  Discovering Water (May 2000)
  Gold Crest Realty (May 2000)
  Leadership Pueblo (May 2000)
  El Paso County Land Stewardship Seminar (May 2000)
  Colorado Well Contractors " Mountain Wells, Are They A Dependable Water Supply" (October 2000)

II. OBJECTIVES FOR 2001

A. Contribute to the defense of Colorado's interests in the litigation with Kansas concerning the Arkansas River Compact and assure compliance with the Compact.

- Collect and provide data to update the H-I Model as needed to determine depletions to usable Stateline flow.
- Continue efforts to assure quality of data collected for use in enforcement of ground water Measurement and Use Rules through certification training, verification measurements, consideration of flow meter standards, and continued collection of data to be analyzed by the U.S. Geological Survey.
- Continue efforts to identify means to more efficiently and effectively evaluate replacement plans and substitute water supply plans.
- Monitor the effect of approved replacement plans; review and revise implementation and enforcement procedures accordingly.
- Improve monitoring of approval status, operations, and accounting related to the implementation of all types of replacement plans, including decreed plans for augmentation, substitute water supply plans and Use "Rule 14" plans.

B. Conduct appropriate regulation and accounting of surface water operations.

- Develop understanding of how to access and process records from telemetered streamflow data using the web-based system being developed.
- Require installation of water measurement and control facilities as needed to facilitate administration.

- Establish new gaging stations or relocate existing gages to provide additional or more reliable stream flow data for administrative decisions.
- Seek to resolve and/or narrow issues raised by the Assistant Operations Secretary through appropriate processes of the Arkansas River Compact Administration.
- Define system requirements to develop improved surface water information system.

C. **Continue process of reorganization, staffing, and staff development.**

- Complete re-staffing to fill vacant positions as soon as possible.
- Continue to develop trustworthy personnel through competence and character focused continuing education program.
- Provide effective supervision and encourage superior performance through employee recognition and improved implementation of performance based pay program.
- Plan and implement changes to organizational structure and position descriptions / recruitment as vacancies occur in order to most effectively meet the anticipated expectations to be fulfilled by this Division in the future and to provide career development opportunities for staff.
- Encourage staff members to exercise properly delegated responsibility and authority.

D. **Protect and provide for the orderly administration of water rights within Division 2 through preservation of reliable descriptive records and effective participation in legal processes.**

- Continue to improve water rights tabulation.
- Continue to provide useful information and perspective to the Court through the consultation and litigation processes.
- Perform quality control check on official diversion records for Division 2 maintained by the Division of Water Resources, clearly document changes made in all repositories and the basis for such changes.

E. **Develop and promote increased utilization of technology as a means of increasing efficiency, productivity and new or improved services.**

- Strive to improve working relations and processes between centralized and decentralized Information Technology professionals through insistence upon establishment of norms defining respective functions, accountability, and standardized product development / project management procedures.

- Develop a project proposal, which addresses all established development / management standard procedures, describing a future Ground Water component of Hydrobase that meets Division 2 defined system specifications.
- Implement enhancements to current system specifications of Division 2 Ground Water Data System, according to schedule to be defined in standardized procedures referenced above. Examples of measures expected to improve access, processing, and functionality needed by staff and external customers are; inclusion of ground water diversion data in official reports of annual diversions in Division 2, establishment of an FTP site to facilitate the distribution and exchange of data and, development of an application to permit read only access to various tables to improve effectiveness of enforcement activities.
- Increase proficiency in utilization of state of the art modeling software to better analyze the risks of dam failure and associated consequences.
- Implement pilot project to quantify the effect of unregulated illegal water impoundment structures through analysis of satellite imagery as a means to develop policy or guidelines regarding the future administration of such structures.
- Expand and improve future applications of GIS technology through continued efforts to collect accurate geographic location data with GPS technology and the acquisition of other data types (i.e. maps of acreage removed from irrigation, etc.).

APPENDIX A

TRANSMOUNTAIN DIVERSION SUMMARY

WY 2000 TRANSMOUNTAIN DIVERSION SUMMARY - INFLOWS

RECIPIENT					SOURCE	
DIV/WD	DIVERSION STRUCTURE	STREAM	ACRE-FEET	DAYS	DIV/WD	STREAM
2/11	COLUMBINE DITCH	ARKANSAS RIVER	1,740	82	5/37	EAGLE RIVER
2/11	EWING DITCH	TENNESSEE CREEK	1,020	99	5/37	EAGLE RIVER
2/11	WURTZ DITCH	TENNESSEE CREEK	2,600	97	5/37	EAGLE RIVER
2/11	HOMESTAKE TUNNEL	LAKE FORK CREEK	24,140	80	5/37	EAGLE RIVER
2/11	BOUSTEAD TUNNEL	LAKE FORK CREEK	50,690	366	5/38	FRYINGPAN RIVER
2/11	BUSK-IVANHOE TUNNEL	LAKE FORK CREEK	5,230	161	5/38	FRYINGPAN RIVER
2/11	TWIN LAKES TUNNEL	LAKE CREEK	42,060	366	5/38	ROARING FORK RIVER
2/11	LARKSPUR DITCH	PONCHA CREEK	7	9	4/28	TOMICHI CREEK
2/79	HUDSON DITCH	HUERFANO RIVER	155	61	3/35	MEDANO CREEK
2/79	MEDANO DITCH	HUERFANO RIVER	341	63	3/35	MEDANO CREEK
	TOTAL:		127,983			

WY 2000 TRANSMOUNTAIN DIVERSION SUMMARY - OUTFLOWS

RECIPIENT					SOURCE	
DIV/WD	DIVERSION STRUCTURE	STREAM	ACRE-FEET	DAYS	DIV/WD	STREAM
5/36&37	STEVENS-LEITER WELL	BLUE/EAGLE RIVERS	201	365	2/11	GROUNDWATER
	(AKA ARKANSAS WELL)					
	TOTAL:		201			

APPENDIX B

WATER DIVERSION SUMMARY

IY 2000 WATER DIVERSION SUMMAY*

ACRE FEET

USE TYPE	WD10	WD11	WD12	WD13	WD14	WD15	WD16	WD17	WD18	WD19	WD66	WD67	WD79	TOTAL
IRRIGATION	50,245	136,777	141,884	19,630	121,119	9,995	11,209	823,729	7,256	71,519	0	400,374	9,845	1,803,582
STORAGE	9,268	262,732	1,533	2,783	365,331	0	3,352	125,258	0	11,341	0	114,451	1,470	897,519
MUNICIPAL	107,303	5,390	8,908	277	38,394	1,613	3,887	6,297	63	0	0	10,151	0	182,283
COMMERCIAL	42	29	11	0	164	20	68	529	0	0	0	228	0	1,091
DOMESTIC	1	19	115	13	55	28	4	102	0	3,544	0	360	0	4,241
STOCK	0	0	0	0	0	0	0	0	0	444	0	0	0	444
INDUSTRIAL	0	0	83,344	0	62	8,537	0	2	0	0	0	0	0	91,945
RECREATIONAL	0	5	152	0	0	1	4	0	0	0	0	0	0	162
FISHERY	0	14,128	0	0	0	907	0	0	0	0	0	0	0	15,035
AUGMENTAION	2,277	0	156	0	0	0	0	0	0	0	0	3,191	0	5,624
RECHARGE	0	0	0	0	0	0	0	0	0	0	0	1,889	0	1,889
OTHER	28,990	4,774	201	5	872	57	29	1,011	192	57	0	3,129	28	39,345
TOTAL	198,126	423,854	236,304	22,708	525,997	21,158	18,553	956,928	7,511	86,905	0	533,773	11,343	3,043,160

* Data includes groundwater diversions.

Updated: 4/13/01 5:00 PM

APPENDIX C

ARKANSAS RIVER CALLS

IY 2000 RIVER CALL REPORT

Date	ArkansasRiverCall	PriorityDate
01-Nov-99	HOLBROOK	9/25/1889
02-Nov-99	HOLBROOK	9/25/1889
03-Nov-99	COLORADO CANAL	6/9/1890
04-Nov-99	COLORADO CANAL	6/9/1890
05-Nov-99	COLORADO CANAL	6/9/1890
06-Nov-99	COLORADO CANAL	6/9/1890
07-Nov-99	COLORADO CANAL	6/8/1890
08-Nov-99	COLORADO CANAL	6/9/1890
09-Nov-99	COLORADO CANAL	6/9/1890
10-Nov-99	HOLBROOK	9/25/1889
11-Nov-99	HOLBROOK	9/25/1889
12-Nov-99	BESSEMER	5/1/1887
13-Nov-99	BESSEMER	5/1/1887
14-Nov-99	BESSEMER	5/1/1887
15-Nov-99	WINTER WATER	3/1/1910
16-Nov-99	WINTER WATER	3/1/1910
17-Nov-99	WINTER WATER	3/1/1910
18-Nov-99	WINTER WATER	3/1/1910
19-Nov-99	WINTER WATER	3/1/1910
20-Nov-99	WINTER WATER	3/1/1910
21-Nov-99	WINTER WATER	3/1/1910
22-Nov-99	WINTER WATER	3/1/1910
23-Nov-99	WINTER WATER	3/1/1910
24-Nov-99	WINTER WATER	3/1/1910
25-Nov-99	WINTER WATER	3/1/1910
26-Nov-99	WINTER WATER	3/1/1910
27-Nov-99	WINTER WATER	3/1/1910
28-Nov-99	WINTER WATER	3/1/1910
29-Nov-99	WINTER WATER	3/1/1910
30-Nov-99	WINTER WATER	3/1/1910
01-Dec-99	WINTER WATER	3/1/1910
02-Dec-99	WINTER WATER	3/1/1910
03-Dec-99	WINTER WATER	3/1/1910
04-Dec-99	WINTER WATER	3/1/1910
05-Dec-99	WINTER WATER	3/1/1910
06-Dec-99	WINTER WATER	3/1/1910
07-Dec-99	WINTER WATER	3/1/1910
08-Dec-99	WINTER WATER	3/1/1910
09-Dec-99	WINTER WATER	3/1/1910
10-Dec-99	WINTER WATER	3/1/1910
11-Dec-99	WINTER WATER	3/1/1910
12-Dec-99	WINTER WATER	3/1/1910
13-Dec-99	WINTER WATER	3/1/1910
14-Dec-99	WINTER WATER	3/1/1910
15-Dec-99	WINTER WATER	3/1/1910

Date	ArkansasRiverCall	PriorityDate
16-Dec-99	WINTER WATER	3/1/1910
17-Dec-99	WINTER WATER	3/1/1910
18-Dec-99	WINTER WATER	3/1/1910
19-Dec-99	WINTER WATER	3/1/1910
20-Dec-99	WINTER WATER	3/1/1910
21-Dec-99	WINTER WATER	3/1/1910
22-Dec-99	WINTER WATER	3/1/1910
23-Dec-99	WINTER WATER	3/1/1910
24-Dec-99	WINTER WATER	3/1/1910
25-Dec-99	WINTER WATER	3/1/1910
26-Dec-99	WINTER WATER	3/1/1910
27-Dec-99	WINTER WATER	3/1/1910
28-Dec-99	WINTER WATER	3/1/1910
29-Dec-99	WINTER WATER	3/1/1910
30-Dec-99	WINTER WATER	3/1/1910
31-Dec-99	WINTER WATER	3/1/1910
01-Jan-00	WINTER WATER	3/1/1910
02-Jan-00	WINTER WATER	3/1/1910
03-Jan-00	WINTER WATER	3/1/1910
04-Jan-00	WINTER WATER	3/1/1910
05-Jan-00	WINTER WATER	3/1/1910
06-Jan-00	WINTER WATER	3/1/1910
07-Jan-00	WINTER WATER	3/1/1910
08-Jan-00	WINTER WATER	3/1/1910
09-Jan-00	WINTER WATER	3/1/1910
10-Jan-00	WINTER WATER	3/1/1910
11-Jan-00	WINTER WATER	3/1/1910
12-Jan-00	WINTER WATER	3/1/1910
19-Jan-00	WINTER WATER	3/1/1890
20-Jan-00	WINTER WATER	3/1/1910
21-Jan-00	WINTER WATER	3/1/1910
22-Jan-00	WINTER WATER	3/1/1910
23-Jan-00	WINTER WATER	3/1/1910
24-Jan-00	WINTER WATER	3/1/1910
25-Jan-00	WINTER WATER	3/1/1910
26-Jan-00	WINTER WATER	3/1/1910
27-Jan-00	WINTER WATER	3/1/1910
28-Jan-00	WINTER WATER	3/1/1910
29-Jan-00	WINTER WATER	3/1/1910
30-Jan-00	WINTER WATER	3/1/1910
31-Jan-00	WINTER WATER	3/1/1910
01-Feb-00	WINTER WATER	3/1/1910
02-Feb-00	WINTER WATER	3/1/1910
03-Feb-00	WINTER WATER	3/1/1910
04-Feb-00	WINTER WATER	3/1/1910
05-Feb-00	WINTER WATER	3/1/1910
06-Feb-00	WINTER WATER	3/1/1910
07-Feb-00	WINTER WATER	3/1/1910

Date	ArkansasRiverCall	PriorityDate
09-Feb-00	WINTER WATER	3/1/1910
10-Feb-00	WINTER WATER	3/1/1910
11-Feb-00	WINTER WATER	3/1/1910
12-Feb-00	WINTER WATER	3/1/1910
13-Feb-00	WINTER WATER	3/1/1910
14-Feb-00	WINTER WATER	3/1/1910
15-Feb-00	WINTER WATER	3/1/1910
16-Feb-00	WINTER WATER	3/1/1910
17-Feb-00	WINTER WATER	3/1/1910
18-Feb-00	WINTER WATER	3/1/1910
19-Feb-00	WINTER WATER	3/1/1910
20-Feb-00	WINTER WATER	3/1/1910
21-Feb-00	WINTER WATER	3/1/1910
22-Feb-00	WINTER WATER	3/1/1910
23-Feb-00	WINTER WATER	3/1/1910
24-Feb-00	WINTER WATER	3/1/1910
27-Feb-00	PUEBLO RESERVOIR	6/25/62
28-Feb-00	PUEBLO RESERVOIR	6/25/62
29-Feb-00	PUEBLO RESERVOIR	6/25/62
01-Mar-00	PUEBLO RESERVOIR	6/25/62
02-Mar-00	PUEBLO RESERVOIR	6/25/62
03-Mar-00	PUEBLO RESERVOIR	6/25/62
04-Mar-00	PUEBLO RESERVOIR	6/25/62
05-Mar-00	PUEBLO RESERVOIR	6/25/62
06-Mar-00	PUEBLO RESERVOIR	6/25/62
07-Mar-00	PUEBLO RESERVOIR	6/25/62
08-Mar-00	PUEBLO RESERVOIR	6/25/62
09-Mar-00	PUEBLO RESERVOIR	6/25/62
10-Mar-00	PUEBLO RESERVOIR	6/25/62
11-Mar-00	PUEBLO RESERVOIR	6/25/62
12-Mar-00	PUEBLO RESERVOIR	6/25/62
13-Mar-00	WINTER WATER	3/1/1910
14-Mar-00	WINTER WATER	3/1/1910
15-Mar-00	FORT LYON #2	3/1/1887
16-Mar-00	FORT LYON #2	3/1/1887
17-Mar-00	FORT LYON #2	3/1/1887
18-Mar-00	FORT LYON #2	3/1/1887
19-Mar-00	FORT LYON #2	3/1/1887
20-Mar-00	HOLBROOK	9/25/1889
21-Mar-00	HOLBROOK	9/25/1889
22-Mar-00	HOLBROOK	9/25/1889
23-Mar-00	HOLBROOK	9/25/1889
24-Mar-00	FORT LYON #2	3/1/1887
25-Mar-00	FORT LYON #2	3/1/1887
26-Mar-00	FORT LYON #2	3/1/1887
27-Mar-00	FORT LYON #2	3/1/1887
28-Mar-00	FORT LYON #2	3/1/1887
29-Mar-00	FORT LYON #2	3/1/1887

Date	ArkansasRiverCall	PriorityDate
30-Mar-00	FORT LYON #2	3/1/1887
31-Mar-00	FORT LYON #2	3/1/1887
01-Apr-00	HOLBROOK	9/25/1889
02-Apr-00	GREAT PLAINS	8/1/1896
03-Apr-00	GREAT PLAINS	8/1/1896
04-Apr-00	GREAT PLAINS	8/1/1896
05-Apr-00	FORT LYON #3	8/31/1893
06-Apr-00	FORT LYON #3	8/31/1893
07-Apr-00	FORT LYON #3	8/31/1893
08-Apr-00	FORT LYON #3	8/31/1893
09-Apr-00	OTERO	3/3/1890
10-Apr-00	FORT LYON #2	3/1/1887
11-Apr-00	FORT LYON #2	3/1/1887
12-Apr-00	HOLBROOK	9/25/1889
13-Apr-00	COLORADO CANAL	6/9/1890
14-Apr-00	FORT LYON #3	8/31/1893
15-Apr-00	FORT LYON #3	8/31/1893
16-Apr-00	Horse Creek & Adobe Creek	1/25/1906
17-Apr-00	Holbrook/Ft Lyon #3	9/25/1889
18-Apr-00	FORT LYON #2	3/1/1887
19-Apr-00	FORT LYON #2	3/1/1887
20-Apr-00	FORT LYON #2	3/1/1887
21-Apr-00	FORT LYON #2	3/1/1887
22-Apr-00	FORT LYON #2	3/1/1887
23-Apr-00	FORT LYON #2	3/1/1887
24-Apr-00	FORT LYON #2	3/1/1887
25-Apr-00	FORT LYON #2	3/1/1887
26-Apr-00	FORT LYON #2	3/1/1887
27-Apr-00	FORT LYON #2	3/1/1887
28-Apr-00	FORT LYON #2	3/1/1887
29-Apr-00	FORT LYON #2	3/1/1887
30-Apr-00	FORT LYON #2	3/1/1887
01-May-00	FORT LYON #2	3/1/1887
02-May-00	BESSEMER/EXCELSIOR #1	5/1/1887
03-May-00	HOLBROOK	9/25/1889
04-May-00	HOLBROOK	9/25/1889
05-May-00	BESSEMER	5/1/1887
06-May-00	FORT LYON #2	3/1/1887
07-May-00	FORT LYON #2	3/1/1887
08-May-00	FORT LYON #2	3/1/1887
09-May-00	HOLBROOK	9/25/1889
10-May-00	COLORADO CANAL	6/9/1890
11-May-00	COLORADO CANAL	6/9/1890
12-May-00	HIGHLINE #5	1/6/1890
13-May-00	HOLBROOK	9/25/1889
14-May-00	HOLBROOK	9/25/1889
15-May-00	HOLBROOK	9/25/1889
16-May-00	HOLBROOK	9/25/1889

Date	ArkansasRiverCall	PriorityDate
17-May-00	HOLBROOK	9/25/1889
18-May-00	BESSEMER #2	5/1/1887
19-May-00	BESSEMER #2	5/1/1887
20-May-00	BESSEMER #2	5/1/1887
21-May-00	HOLBROOK #1	9/25/1889
22-May-00	HOLBROOK #1	9/25/1889
23-May-00	HOLBROOK #1	9/25/1889
24-May-00	BESSEMER #2	5/1/1887
25-May-00	BESSEMER #2	5/1/1887
26-May-00	COLORADO CANAL	6/9/1890
27-May-00	FORT LYON #3	8/31/1893
28-May-00	FORT LYON #3	8/31/1893
29-May-00	FORT LYON #3	8/31/1893
30-May-00	COLORADO CANAL	6/9/1890
31-May-00	COLORADO CANAL	6/9/1890
01-Jun-00	HOLBROOK RESERVOIR	3/2/1892
02-Jun-00	HOLBROOK RESERVIOR	3/2/1892
03-Jun-00	COLORADO CANAL	6/9/1890
04-Jun-00	FORT LYON #3	8/31/1893
05-Jun-00	COLORADO CANAL	6/9/1890
06-Jun-00	COLORADO CANAL	6/9/1890
07-Jun-00	COLORADO CANAL	6/9/1890
08-Jun-00	COLORADO CANAL/ KEESEE	6/9/1890
09-Jun-00	HIGHLINE #5	1/6/1890
10-Jun-00	HOLBROOK	9/25/1889
11-Jun-00	HOLBROOK	9/25/1889
12-Jun-00	Catlin #2	11/14/1887
13-Jun-00	BESSEMER/EXCELSIOR	5/1/1887
14-Jun-00	FORT LYON #2	3/1/1887
15-Jun-00	FORT LYON #2	3/1/1887
16-Jun-00	FORT LYON #2	3/1/1887
17-Jun-00	FORT LYON #2	3/1/1887
18-Jun-00	FORT LYON #2	3/1/1887
19-Jun-00	FORT LYON #2	3/1/1887
20-Jun-00	FORT LYON #2	3/1/1887
21-Jun-00	FORT LYON #2	3/1/1887
22-Jun-00	FORT LYON #2	3/1/1887
23 Jun-00	FORT LYON #2	3/1/1887
24-Jun-00	FORT LYON #2	3/1/1887
25-Jun-00	FORT LYON #2	3/1/1887
26-Jun-00	FORT LYON #2	3/1/1887
27-Jun-00	FORT LYON #2	03/01/1887
28-Jun-00	FORT LYON #2	03/01/1887
29-Jun-00	FORT LYON #2	03/01/1887
30-Jun-00	FORT LYON #2	03/01/1887
01-Jul-00	FORT LYON #2	03/01/1887
02-Jul-00	FORT LYON #2	03/01/1887
03-Jul-00	FORT LYON #2	03/01/1887

Date	ArkansasRiverCall	PriorityDate
04-Jul-00	FORT LYON #2	03/01/1887
05-Jul-00	FORT LYON #2	3/1/1887
06-Jul-00	FORT LYON #2	03/01/1887
07-Jul-00	FORT LYON #2	03/01/1887
08-Jul-00	FORT LYON #2	03/01/1887
09-Jul-00	FORT LYON #2	03/01/1887
10-Jul-00	FORT LYON #2	03/01/1887
11-Jul-00	FORT LYON #2	03/01/1887
12-Jul-00	FORT LYON #2	03/01/1887
13-Jul-00	FORT LYON #2	03/01/1887
14-Jul-00	FORT LYON #2	03/01/1887
15-Jul-00	FORT LYON #2	03/03/1887
16-Jul-00	Catlin #1	12/03/1884
17-Jul-00	Catlin #1	12/03/1884
18-Jul-00	BESSEMER #2	05/01/1887
19-Jul-00	BESSEMER #2	05/01/1887
20-Jul-00	BESSEMER #2	05/01/1887
21-Jul-00	BESSEMER #2	05/01/1887
22-Jul-00	BESSEMER #2	05/01/1887
23-Jul-00	FORT LYON #2	03/01/1887
24-Jul-00	FORT LYON #2	03/01/1887
25-Jul-00	Catlin #1	12/03/1884
26-Jul-00	Catlin #1	12/03/1884
27-Jul-00	Catlin #1	12/03/1884
28-Jul-00	Catlin #1	12/03/1884
29-Jul-00	Catlin #1	12/03/1884
30-Jul-00	Catlin #1	12/03/1884
31-Jul-00	Catlin #1	12/03/1884
01-Aug-00	FORT LYON #2	03/01/1887
02-Aug-00	FORT LYON #2	03/01/1887
03-Aug-00	FORT LYON #2	03/01/1887
04-Aug-00	Catlin #1	12/03/1884
05-Aug-00	Catlin #1	12/03/1884
06-Aug-00	Catlin #1	12/03/1884
07-Aug-00	Catlin #1	12/03/1884
08-Aug-00	OXFORD #2	02/26/1887
09-Aug-00	Catlin #1	12/03/1884
10-Aug-00	Catlin #1	12/03/1884
11-Aug-00	Catlin #1	12/03/1884
12-Aug-00	Catlin #1	12/03/1884
13-Aug-00	Catlin #1	12/03/1884
14-Aug-00	Catlin #1	12/03/1884
15-Aug-00	Catlin #1	12/03/1884
16-Aug-00	Catlin #1	12/03/1884
17-Aug-00	Catlin #1	12/03/1884
18-Aug-00	FORT LYON #2	03/01/1887
19-Aug-00	FORT LYON #2	03/01/1887
20-Aug-00	FORT LYON #2	03/01/1887

Date	ArkansasRiverCall	PriorityDate
21-Aug-00	FORT LYON #2	03/01/1887
22-Aug-00	FORT LYON #2	03/01/1887
23-Aug-00	FORT LYON #2	03/01/1887
24-Aug-00	FORT LYON #2	03/01/1887
25-Aug-00	FORT LYON #2	03/01/1887
26-Aug-00	FORT LYON #2	03/01/1887
27-Aug-00	FORT LYON #2	03/01/1887
28-Aug-00	FORT LYON #2	03/01/1887
29-Aug-00	FORT LYON #2	03/01/1887
30-Aug-00	HIGHLINE #5	01/06/1890
31-Aug-00	HIGHLINE #5	01/06/1890
01-Sep-00	HIGHLINE #5	01/06/1890
02-Sep-00	FORT LYON #2	03/01/1887
03-Sep-00	FORT LYON #2	03/01/1887
04-Sep-00	FORT LYON #2	03/01/1887
05-Sep-00	FORT LYON #2	03/01/1887
06-Sep-00	Catlin #1	12/03/1884
07-Sep-00	Catlin #1	12/03/1884
08-Sep-00	Catlin #1	12/03/1884
09-Sep-00	Catlin #1	12/03/1884
10-Sep-00	Catlin #1	12/03/1884
11-Sep-00	Catlin #1	12/03/1884
12-Sep-00	Catlin #1	12/03/1884
13-Sep-00	Catlin #1	12/03/1884
14-Sep-00	Catlin #1	12/03/1884
15-Sep-00	FORT LYON #1	04/15/1884
16-Sep-00	FORT LYON #1	04/15/1884
17-Sep-00	FORT LYON #1	04/15/1884
18-Sep-00	FORT LYON #1	04/15/1884
19-Sep-00	Catlin #1	12/03/1884
20-Sep-00	Catlin #1	12/03/1884
21-Sep-00	Catlin #1	12/03/1884
22-Sep-00	Catlin #1	12/03/1884
23-Sep-00	Catlin #1	12/03/1884
24-Sep-00	Catlin #1	12/03/1884
25-Sep-00	Catlin #1	12/03/1884
26-Sep-00	Catlin #1	12/03/1884
27-Sep-00	Catlin #1	12/03/1884
28-Sep-00	Catlin #1	12/03/1884
29-Sep-00	Catlin #1	12/03/1884
30-Sep-00	Catlin #1	12/03/1884
01-Oct-00	Catlin #1	12/03/1884
02-Oct-00	Catlin #1	12/03/1884
03-Oct-00	Catlin #1	12/03/1884
04-Oct-00	Catlin #1	12/03/1884
05-Oct-00	Catlin #1	12/03/1884
06-Oct-00	Catlin #1	12/03/1884
07-Oct-00	Catlin #1	12/03/1884

Date	ArkansasRiverCall	PriorityDate
08-Oct-00	Catlin #1	12/03/1884
09-Oct-00	Catlin #1	12/03/1884
10-Oct-00	Catlin #1	12/03/1884
11-Oct-00	Catlin #1	12/03/1884
12-Oct-00	Catlin #1	12/03/1884
13-Oct-00	Catlin #1	12/03/1884
14-Oct-00	Catlin #1	12/03/1884
15-Oct-00	Catlin #1	12/03/1884
16-Oct-00	Catlin #1	12/03/1884
17-Oct-00	Catlin #1	12/03/1884
18-Oct-00	Catlin #1	12/03/1884
19-Oct-00	Catlin #1	12/03/1884
20-Oct-00	Catlin #1	12/03/1884
21-Oct-00	Catlin #1	12/03/1884
22-Oct-00	Catlin #1	12/03/1884
23-Oct-00	Catlin #1	12/03/1884
24-Oct-00	Catlin #1	12/03/1884
25-Oct-00	Catlin #1	12/03/1884
26-Oct-00	OXFORD #2	02/26/1887
27-Oct-00	Amity #1	2/21/1887
28-Oct-00	Amity #1	2/21/1887
29-Oct-00	Amity #1	2/21/1887
30-Oct-00	FORT LYON #2	03/01/1887
31-Oct-00	FORT LYON #2	03/01/1887

APPENDIX D

WINTER WATER PROGRAM

WINTER WATER PROGRAM REPORT

COLORADO DIVISION OF WATER RESOURCES

DIVISION ENGINEER WATER DIVISION TWO

NOVEMBER 15, 1999 THROUGH MARCH 14, 2000

PUEBLO RESERVOIR (1) WINTER WATER PROGRAM STORAGE

BESSEMER	4000.00
HIGHLINE	10000.00
OXFORD	2600.00
CATLIN	3000.00
CONSOLIDATED	0.00
RIVERSIDE	0.00
WEST PUEBLO	600.00
COLORADO	0.00
HOLBROOK	3000.00
FORT LYON	0.00
AMITY	0.00
TOTAL	23200.00

OFF-CHANNEL STORAGE OR DIVERSION (2) FOR WINTER APPLICATION

BESSEMER	0.00
HIGHLINE	4252.82
OXFORD	1573.72
CATLIN	4611.34
CONSOLIDATED	1001.19
RIVERSIDE	65.21
WEST PUEBLO	0.00
COLORADO	17149.75
HOLBROOK	15903.07
FORT LYON	61026.56
AMITY	45273.52
TOTAL	150857.18

JOHN MARTIN RESERVOIR (3) WINTER WATER PROGRAM STORAGE

AMITY	0.00
FORT LYON	0.00
CONSOLIDATED	4384.08
TOTAL	4384.08

ARKANSAS @ LAS ANIMAS TO JOHN MARTIN TRANSIT LOSS	137.92
DISTRIBUTED TOTAL	178579.18

DIRECT FLOW ENTITIES (4)

BESSEMER	4000.00
HIGHLINE	14252.82
OXFORD	4173.72
CATLIN	7611.34
CONSOLIDATED	5523.19
RIVERSIDE	65.21
WEST PUEBLO	600.00
TOTAL	36226.28

STORAGE ENTITIES (5)

COLORADO	17149.75
HOLBROOK	18903.07
FORT LYON	61026.56
AMITY	45273.52
TOTAL	142352.90

THEORETICAL DIVISION OF DIRECT FLOW AND OFF-CHANNEL PARTICIPANTS

THEORETICAL 100,000 A.F. SYSTEM

28.8% OF SYSTEM	28800.00
71.2% OF SYSTEM	71200.00
TOTAL 100,000 A.F. SYSTEM	100000.00
AMITY	2750.00
HOLBROOK	356.00

THEORETICAL 103,106 A.F. SYSTEM

25% OF SYSTEM	18868.30
75% OF SYSTEM	56604.89
TOTAL 103,106 A.F. SYSTEM	75473.18
DISTRIBUTED TOTAL	178579.18

(1) REFLECTS PARTICIPANTS WITH PROGRAM WATER IN PUEBLO RESERVOIR
(2) REFLECTS PARTICIPANTS WITH PROGRAM WATER IN PRIVATELY OWNED OFF-CHANNEL RESERVOIRS OR PROGRAM WATER DIVERTED FOR WINTER APPLICATION
(3) REFLECTS PARTICIPANTS WITH PROGRAM WATER IN JOHN MARTIN RESERVOIR
(4) REFLECTS TOTAL PROGRAM WATER ATTRIBUTABLE TO DIRECT FLOW PARTICIPANTS
(5) REFLECTS TOTAL PROGRAM WATER ATTRIBUTABLE TO OFF-CHANNEL STORAGE PARTICIPANTS

TOTAL CONTENTS PUEBLO RESERVOIR: 279284.00 AF
TOTAL CONTENTS JOHN MARTIN RESERVOIR: 341750.00 AF

17-Mar-2000

APPENDIX E

GROUND WATER MEASUREMENT, USE & MISCELLANEOUS ORDERS ISSUED IN 2000

Ground Water Measurement and Use and Miscellaneous Orders Issued (Number of Wells)

2000 Calendar Year

Water District	Measurement	Measurement & Use	Use	Other	Total
10	77	6	18	2	103
11	7	3	27	3	40
12	7	1	15	2	25
13	1	4	5	2	12
14	106	4	43	0	153
15	9	1	15	1	26
16	0	0	10	3	13
17	124	2	29	2	157
18	1	0	4	0	5
19	4	5	4	2	15
67	96	3	32	4	135
79	2	0	1	0	3
TOTALS	434	29	203	21	687

Note; "Other" includes expanded use of exempt permits, no permit or decree, plug and abandon, etc.

APPENDIX F

WATER COURT ACTIVITY

2000 WATER COURT ACTIVITY

APPLICATIONS BY TYPE	NUMBER	NUMBER OF STRUCTURES	CONSULTATIONS WITH REFEREE
AUGMENTATION	1	38	1
CHANGE OF WATER RIGHT	23	62	23
INJUNCTION/COMPLAINTS	28	47	0
SURFACE	37	49	37
STORAGE	3	9	3
UNDERGROUND	10	13	10
MULTIPLE (AUG + OTHERS)	27	556	27
DILIGENCE	19	49	19
CONDITIONAL MADE ABSOLUTE	4	8	4
OTHER	1	6	1
TOTAL	**153**	**837**	**125**

APPENDIX G

TABULATION REMEDIATION STATUS

DIVISION TWO TABULATION REMEDIATION STATUS

April 12, 2001

Tasks/Water District	10	11(a)	12(a)	13(a)	14	15	16	17	18	19	66	67	79(a)
Retabulate Original Adjudications (1890-1905 era)	Completed (winters of 95-98)	Completed (winters of 95-98)	Completed (winters of 95-98)	Completed (winters of 95-98)	Completed (winters of 95-98)	Completed (winters of 95-98)	Completed (winters of 95-98)	Completed (winters of 95-98)	Not completed (b)	Completed (winters of 95-98)	Completed (winters of 95-98)	Completed (winters of 95-98)	Completed (winters of 95-98)
Retabulate Supplemental Adjudications (1906-1969 era)	Completed (winters of 96-98) (d)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-00)	Completed (winters of 96-98)	Not completed (b)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-99)
Retabulate Water Court Decrees (1969-1990)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)	Not completed	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)	Completed (winters of 96-98)
Tabulate Water Court Decrees (1991-1997)	98% Completed (winter of 99-00)	Completed (winter of 99-00)	100% Completed (winter of 99)	100% Completed (winter of 99)	95% Completed (winter of 99-00)	90% Completed (winter of 99-00)	Completed (winter of 99-00)	52% Completed (winter of 99-00)	0% Completed	88% Completed (winter of 00)	Completed (winter of 99-00)	Completed (winter of 99-00)	100% Completed (winter of 99)
1721 Total Decrees	396/406	243/243	143/143	59/59	166/175	36/40	90/90	97/187	0/65	80/91	9/9	160/160	53/53
Research and Assemble Proposed Abandonment List for 2000	Completed April 15, 2000	Completed April 15, 2000	Completed April 15, 2000	Completed April 15, 2000	Completed April 15, 2000	Completed April 15, 2000	Completed April 15, 2000	Completed April 15, 2000	Completed April 15, 2000	Completed April 15, 2000	Completed April 15, 2000	Completed April 15, 2000	Completed April 15, 2000

= Task Completed = Task Started but not yet completed = Task not formally started yet

a: District where overtime and excess personal services dollars converted to extend work months of part-time water commissioners.
b: Need to work through some transfer decrees with Water Commissioner
d: 1954 general adjudication for non-irrigation water rights needs to be re-examined
h: Need to totally reassess co-general adjudications by Las Animas and Otero County courts and State Engineers decree/ruling