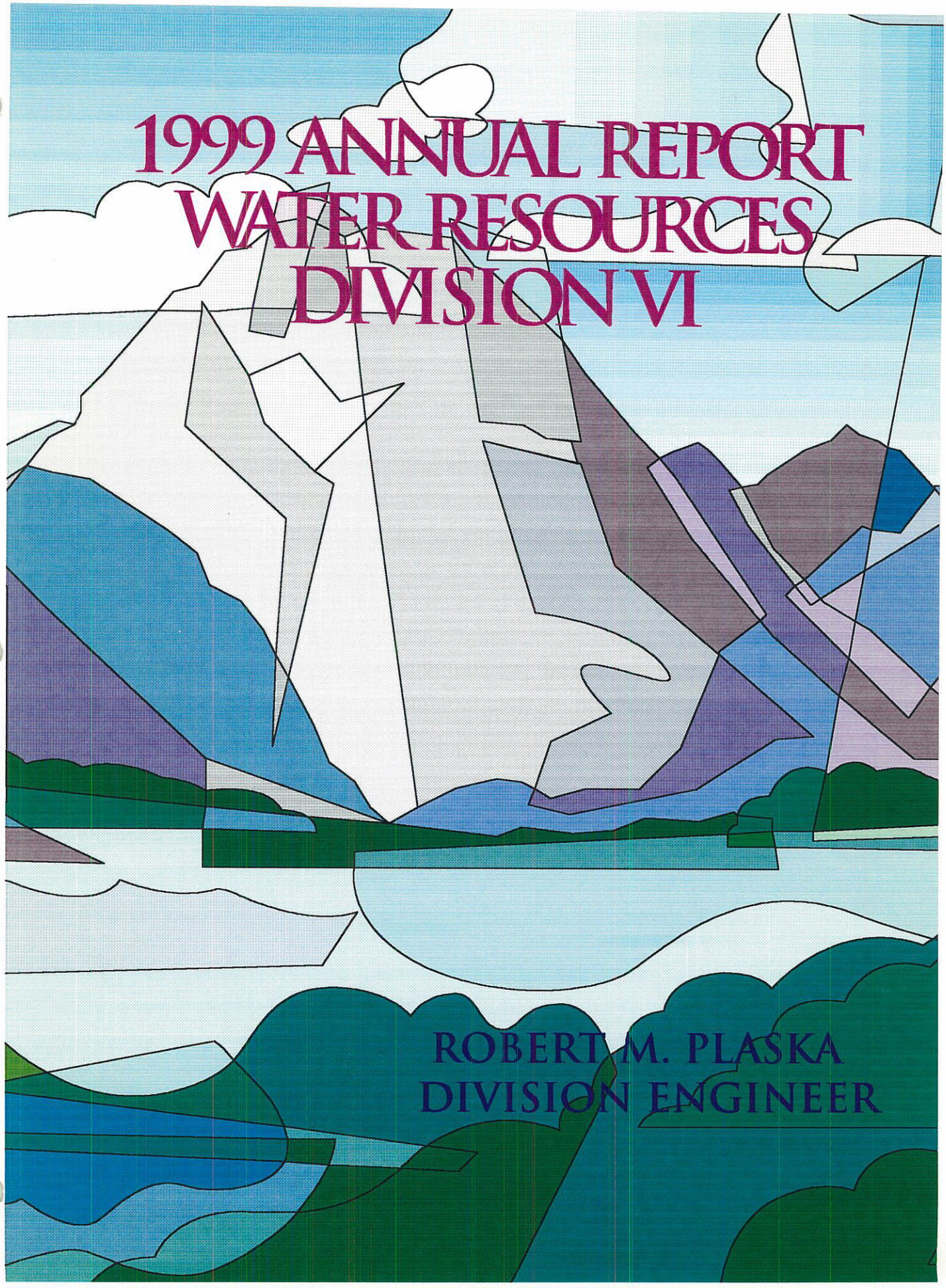
1999 ANNUAL REPORT WATER RESOURCES DIVISION VI



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DIVISION ENGINEER

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Water Administration

Division VI experienced another good water year in 1999. While total runoff in most of the major rivers in the Division was slightly below average, there was abundant water available for the users. For the fifth year in a row, the total flow passing the Maybell gage on the Yampa River exceeded one million acre-feet.

The year was marked by very little administration in the Division. On the North Platte drainage only Rock Creek, a tributary to the Illinois River and Little Grizzly Creek, went on call. On the White River drainage, Piceance Creek went on call for a short time in July. On the Yampa drainage, calls occurred on Bear River, North, Middle and South Hunt Creeks, Martin Creek, Lawson Creek, Fortification Creek and Morapos Creek. A list of the river calls is on page 24 of this report.

The water year started in a wet fashion with above average precipitation in October then entered into a pattern of mostly below average precipitation through March. Coupled with the inconsistent snowfall, mild temperatures in March significantly reduced the snowpack. By April 1, the snowpack throughout the Division dropped by about 12 percent. Wet weather returned in April and continued through May, resulting in above average runoff for the White River drainage and near average on the Yampa and North Platte. Precipitation continued above average for most of the remainder of the year. At times, this caused problems with ranchers getting their hay cut and bailed, but overall it was a very good growing season.

Listed below are monthly precipitation totals for selected sites in the basin. This information was compiled from published NOAA weather data.

Monthly Precipitation Data for Selected Sites
Water Year 1999
(Inches)

Site	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	Annual Avg (61-70)	% of Avg
Meeker	2.69	0.87	1.26	1.23	1.43	0.57	3.34	1.91	0.80	1.03	2.28	0.65	18.06	14.91	121
Steamboat	2.28	1.25	1.15	2.66	1.48	0.60	2.33	1.91	2.00	1.77	1.69	2.96	22.08	23.51	94
Walden	1.10	1.07	1.06	1.34	0.55	0.50	1.47	2.06	1.60	2.05	1.27	0.77	14.84	10.61	140

Snowpack in the basin was below average throughout the winter. After a very dry December, the basin wide average was only about 65 percent of normal on January 1. The snowpack increased in February to approximately 90 percent. Unusually warm weather in March caused the snowpack to decrease significantly. If April and May had not been above average in precipitation we would have likely seen much greater administration in the Division. Below is a listing of monthly snowpack numbers for the major rivers in the Division. The values expressed are a percentage of the 30-year average for each drainage.

SNOWPACK AS PERCENT OF AVERAGE

River Drainage	Jan	Feb	Mar	Apr	May
North Platte	64	94	96	83	95
Yampa	58	90	93	79	89
Little Snake	65	92	97	85	98
White	65	87	90	81	98

With near normal snowfall and above average precipitation in much of the basin, the water supply for the year was very good. Listed below is the total runoff for the major rivers in the Division. These numbers represent flows gauged at the lower end of each river system, below all the major diversions.

Name	Water Year 99	10-Year Average	% of Average
White River	553,000	549,500	101
Little Snake River	557,850	402,500	139
Yampa River	1,093,000	1,212,700	90
North Platte River	284,900	312,800	91

Upper Colorado River Compact

Under Article XIII (a), The State of Colorado will not cause the flow of the Yampa River at the Maybell gage to be depleted below an aggregate amount of 5,000,000 acre-feet for any period of ten consecutive years. For the period 1990 to 1999, the aggregate flow at the Maybell gage totaled 11,670,400 acre-feet. The total flow past the Maybell gage in Water Year 1999 was 1,093,000 acre-feet

North Platte River (Nebraska v. Wyoming, U.S. Supreme Court Decree)

Under this decree, Colorado is limited to a total of 145,000 acres of irrigation in the North Platte drainage, storage of no more then 17,000 acre feet per year for irrigation purposes, and no more then 60,000 acre feet of transmountain diversions from the basin in any period of ten consecutive years. In water year 1999, a total of 114,927 acres were reported irrigated and a total of about 7833 acre-feet of storage for irrigation occurred. The ten-year total of transmountain diversions out of the basin was 46,719 acre-feet. None of the limitations in the Supreme Court Decree were exceeded in 1999.

Pot Creek

Pot Creek is a small tributary to the Green River. Its headwaters are in Utah, and it enters the Green River in Colorado. Water in Pot Creek is apportioned between the users of the two states under a Memorandum of Understanding. During 1999, there was abundant water for all the users on the system. At the annual water users meeting, it was reported that Colorado received over 3000 acre-feet of water. Much of this water was delivered when reservoirs in Utah were spilling.

Dam Safety

The 1999 dam safety inspection program included a total of 66 inspections, of which 33 were type 107 safety inspections, nine were 107F follow-up inspections and 24 were construction inspections.

The nine follow-up inspections included two inspections of Big Beaver, Blowdown Water Storage, and Wilson No. 3 dams all in District 43 and Biskup Dam in District 44.

Storage restrictions were imposed on Flattop Dam in District 44 due to spillway and outlet problems and on Lower Spring Creek Dam in District 58 due to insufficient spillway capacity, excessive seepage, inoperable outlet and erosion at the toe of the dam.

A storage restriction imposed on Saddle Dam in District 44 last year due to piping through the dam near the crest was lifted after repairs were made.

Design reviews were completed on Long Lake Dam for an outlet replacement; Culverwell Dam for the outlet lining; Waddle #2 Dam for a hydrology study and design of spillway enlargement; Martin Dam to repair the downstream slope after sliding, including installation of drains in groins of dam and a rock toe; and Biskup Dam for the design of blanket/chimney drain in the downstream slope.

The following construction and repair projects were worked on or completed this year:

Pole Mountain, WD 47 -- This project is complete, with the exception of installation of a gage rod and a cutoff wall in the spillway. An update of the Emergency Preparedness Plan will allow approval of some storage this spring.

Long Lake Dam, WD 58 – This project involved replacement of the outlet conduit and valve house. The project was started near the end of July with a draw down of the reservoir. Water control was a problem. The structural base for the new outlet ended up being concrete. The new outlet pipe is concrete encased 24" steel. The project is not yet complete, as there is still the remainder of the valve house to finish and remote sensing equipment to install.

Culverwell Dam, WD 44 – This project involved lining of the existing 2' x 2' outlet with a 12" PVC pipe and grouting of the annular space. The project is substantially complete with only a gage rod and trash rack to be installed.

Waddle #2 Dam, WD 44 – This project enlarged the spillway and widened the crest of the dam. There was some modification to the original design due to a conservative hydrology study and a bedrock problem in the right side of the spillway. Construction is now complete on this project.

Martin Dam, WD 58 – This project involved repairs of a slide area on the downstream slope as a result of improper construction in 1998, done without approval of the State Engineer. The project was begun by removal of all slid material on the downstream slope. A video inspection was completed of the outlet pipe to the headgate and the drain in the downstream slope. Change order #1 was submitted, reviewed and approved by our office

before construction began on the remainder of the work. Drains were installed in both the right and left groins. The toe of the dam was reinforced with large rock before final grading. A final inspection will be done in the spring of 2000 after receipt of certified as-constructed drawings.

Biskup, WD 44 - This project included a general cleanup of the dam embankment, installation of a combination chimney and blanket drain in the downstream slope of the dam, widening of the spillway and grading of the crest. As this dam has needed these repairs for 15 years, and the owner refused to hire an engineer, we assisted him with specifications and drawings for the blanket drain and staked and inspected it.

In May, staff from the Division office participated in a tabletop exercise of the Emergency Preparedness Plan for Stagecoach Reservoir. The exercise was conduced by the owners of the dam, Upper Yampa Water Conservancy District, under the supervision of the Federal Energy Regulatory Commission (FERC).

We continued to participate in inspections of FERC regulated dams, attending two inspections at Stagecoach Dam and one at Taylor Draw Dam. Our participation was at the request of the dam owners and in conjunction with regularly scheduled FERC inspections.

Because of physical restrictions of the Dam Safety Engineer, a program was initiated on a trail basis, whereby the Division Engineer assisted with inspections of specific dams. The plan allowed the Division Engineer to assist with inspections of several high hazard dams. We will review the program to ascertain its continuance in the future.

Hydrographic Program

Currently there are 41 active stream gaging sites in Division VI. Of the 33 stations operated by the USGS, 29 transmit real-time data. Division personnel operate eight data collection sites. Four of these are equipped with satellite monitoring equipment. Real-time water surface elevation data is also transmitted for four reservoirs in Water District 58.

The Michigan River near Meadow Creek Reservoir station was new in 1998. This station replaced the Michigan River near Gould station that was discontinued in September 1995 when the bridge supporting the stilling well was removed. The primary purpose of the new gage is to assist the District 47 Commissioner with water administration. This station was functional during 1999 water year until August when a four-foot high beaver dam appeared on the control section. We will evaluate this situation later in the year. There are not many alternatives available should the beaver problem persist.

The satellite monitoring equipment on Willow Creek below Steamboat Lake was modified in October 1997 to transmit reservoir elevations in addition to the discharge from the dam. This required moving the DCP from below the toe of the dam to the control house on the dam crest and installing about 400 feet of cable from the shaft encoder at the outlet to the DCP. In June of 1999, with the assistance of Dick Poelker, we were finally able to resolve the hardware problems that had been plaguing us during the last year. Dick also helped trouble shoot the problems that were preventing accurate data transmissions from our Pearl Lake site.

In October we installed a DCP to monitor the elevation of Lake Catamount. This will give us real-time data on stream flows below the dam and will enable the owners to manage the storage contents more closely. This installation is now operational.

The gage on Walton Creek near Steamboat Springs continues to be topic of discussion. This station was installed and operated by the USGS during the 1960's for a cloud seeding study. The station was discontinued by the USGS in 1987 and has been operated on a part-time basis by DWR since 1995. This site has become important for water administration and flood warning due to the development in the flood plain. Walton Creek has the potential of being quite dangerous because of the high runoff potential of the watershed threatening new development where the creek exits a steep canyon. The administration of streamflow augmentation water and CWCB instream flows has been thrown into the mix relating to the development along Walton Creek. We can certainly justify the need for real-time data from this site. The next step is to find one or more cooperators willing to fund the necessary hardware and operating expenses.

This year we were able to obtain additional measuring equipment for use by our commissioners. We now have equipment for each major drainage. Training has been offered to all interested commissioners and many now do the routine measurements in their respective districts.

Groundwater and Well Permitting

Division VI continues to issue exempt well permits under the well permitting decentralization program. Andy Schaffner and Walter Bohrer evaluate applications and Lynne Peters conditions and issues the permits. This past year we issued 229 exempt well permits. The normal turn-around time for the issuance of a permit is approximately 10 working days.

We continue to process non-exempt well permit applications for submittal to the Denver office for issuance. We had hoped to go on-line and issue permits using the new well evaluation program currently being used in Denver, but the much-promised program has yet to be distributed to the field offices.

In addition to permitting activities, our water commissioners perform site visits under the Well Observation Program. While we fell short of the target number of visits this year, we plan on improving our implementation of the program to meet the goals outlined by the State Engineer.

We continue to see an increase in the staff time required to assist the public with completing well permit applications and answering questions about obtaining well permits. This is true not only for our office staff but also for our water commissioners. While many of the questions deal with the specifics of completing an application, we are spending increasing amounts of time educating people about the statutes concerning the use of groundwater in Colorado. As residential development continues in the Division, this will become a greater part of staff time dedicated to pubic assistance.

Water Records and Information

We continue to update our databases for use in Qinfo. All of the Water Commissioners receive updated information on a regular basis for their use in responding to questions from water users. With the delay in getting Hydrobase distributed to the field offices for use in entering diversion records, we continue to use our available data entry programs. This information is incorporated into our internal databases for distribution to our staff and also sent to Denver for incorporation into the Hydrobase database.

The Division calculates the water budget for the various drainages within the division. This has been an on-going effort since 1976. Using information from our lysimeter sites, we calculate consumptive use for the irrigated acreage in the various drainage basins. This year's report is not available at this time, although it will be provided to Denver as an appendix to this report when complete.

This year the water court undertook a project to scan all the decrees for water rights in Division VI. This project was completed in December and we now have a set of CD's that contain all the decrees through 1992. This includes all water rights for the Yampa and North Platte Rivers. Since the Division V Water Court is responsible for adjudicating water rights for the White River drainage, those decrees were not part of this project. When Division V scanned its water right decrees, they unfortunately did not include any of those associated with the White River. Hopefully, they will rectify this omission in the future.

Water Court Cases

The total caseload for Division VI was slightly greater then in calendar year 1998. There were a total of 77 cases filed in Division VI and 40 cases in Division V. A summary of these filings are on page 25 of this report. Effective January 1, 2000, Dan Petrie was appointed the new Referee for the Division V Water Court. We look forward to working with Mr. Petrie in the years to come.

A major case before the Division VI Court for several years was the Colorado Water Conservation Board (CWCB) instream flow filings on the main stem of the Yampa River. This actually involved two separate cases that were tied to the recovery of the endangered species on the lower end of the drainage. After the US Fish and Wildlife Service withdrew its support for these filings, the CWCB asked for a dismissal of their cases. The Court dismissed both cases without prejudice. The CWCB staff is currently re-evaluating the need for an insteam flow filing on the lower mainstem of the Yampa River and will present recommendations to the board at a future date.

We continue to see an increasing number of filings for augmentation plans on the Yampa River. Most of these are associated with development around the Steamboat Springs area. Although the Yampa River has never been subject to administration in this area, many developers are choosing to get augmentation plans decreed in case of future administration. We are also seeing an increase in the number of applications for springs and ponds. As more areas are developed into residential lots, it seems new owners feel it necessary to decree the springs on their property for protection from their neighbors. It is also apparent that many of the new landowners desire ponds for piscatorial and aesthetics purposes.

Involvement in the Water User Community

Division staff continue their assistance to the public in preparing water court and well permit applications, and providing water rights information. We continue to provide assistance to dam owners with completing Emergency Preparedness Plans and to water users with the proper selection and installation of water measuring devices.

Division staff attended all the regularly scheduled meetings of the Colorado River Water Conservation District and Upper Yampa Water Conservancy District. Some additional meetings we attended or spoke at were the annual meetings of Routt County Soil Conservation District, Stillwater Reservoir Company, Rio Blanco Stockwater Association and Yamcolo Irrigation. We also attended CSU Extension Service, Club 20, Colorado Water Conservation Board, Yampa River Basin Partnership, and Yampa River Programmatic Biological Opinion Committee meetings.

We also attended numerous meetings throughout the year with water users. Several meetings were called by the Upper Yampa District to discuss the Hayden and Hogue Ditch Projects. The Hayden Project is a proposal by the Upper Yampa Water Conservancy District to consolidate several ditches in the Hayden area into one or two common ditches in order to provide greater efficiency and reduce the number of gravel diversion dams in the Yampa River. This Project has recently been proposed to the US Army Corps of Engineers. A site visit by the Corps will be conducted in the spring of 2000. The Hogue project involved reconstruction of an existing headgate structure. Our involvement in these projects has been to supply information on historic flow rates and ditch diversions, water rights information and comments on feasibility of the overall projects.

Water Commissioners Andy Schaffner and Elvis Iacovetto again participated in a program sponsored by the South Routt County High School dealing in water awareness. They demonstrated to students the use of current meters to measure stream flows and discussed issues relating to water administration. Sally Lewis attended meetings of the Yampa Valley Community Mapping Project. This is an educational program designed to bring GIS to the local high schools and provide mentors to supply guidance and support.

Issues

Of the outstanding issues from last year's report, most have been resolved. As mentioned earlier, the CWCB withdrew the two water rights filings for minimum stream flows on the lower reach of the Yampa River. These cases had been highly contested by the water users in the basin.

Another resolved issue was the participation of the North Park water users in the Cooperative Agreement dealing with the endangered species on the Platte River. The water users decided to participate in the program and will be covered by the final agreement being negotiated by the State.

The trial program to assist Sally Lewis with her dam safety inspections was successfully completed. The results of the program must still be reviewed and evaluated, but hopefully it will be continued.

With respect to current unaddressed issues in the Division the most pressing is the development of a programmatic biological opinion for the Yampa River. Since August a committee of various federal, state, and local agencies as well as water users have been meeting to put together a management plan to support a biological opinion. They are currently refining a draft plan. There are still several major issues to be resolved prior to the finalization of the plan. We hope the plan is completed in 2000.

Another issue also dealing with endangered species, is the impact of the Cooperative Agreement on the users in North Park. While they will have protection when an agreement is finally reached, until it is finalized there is no way to know for sure what the impacts will be.

The Pot Creek Agreement between Colorado and Utah has been an issue for many years. While there is a recognized agreement, a complete signed document cannot be found. Over the years, three reservoirs in Utah were enlarged creating questions about the administration of these enlargements against senior irrigation rights. It may be an appropriate time to pursue a clarification and acceptance of the terms of the original agreement between the two states.

A final issue to be mentioned is the continuing erosion of the operating budget of the Division. As costs for running the office and paying to keep vehicles on the road continue to increase, our budgets have remained the same or actually decreased. With increases in population, additional decrees to administer, and a greater focus on customer service we are finding it ever more difficult to provide the services expected of us and still remain within our allocated budget. This is fast becoming a critical issue that needs to be addressed.

Workload and Personnel

Sue Petersmann joined our staff in 1999 as the new water commissioner in North Park, District 47. She filled the position vacated by Eric Wagner's retirement. This position was changed from full-time to a 10-month permanent part-time capacity. The two man-months freed by reducing this position to part-time were distributed to other part-time employees. Sue has proven to be a quick study and demonstrates an ability to properly handle her assigned tasks.

Other then filing the vacancy in District 47, the remainder of the staff in Division VI remains unchanged. An organizational chart for the Division appears on page 26.

The hiring of a new water Commissioner in District 47 provided an opportunity to reorganize and redistribute the workload. Historically, this district had a lead commissioner and a deputy. It was decided to try a team approach for this water year with both commissioners reporting to the Division Engineer. While the District was divided between the two commissioners on an informal basis, responsibility for the overall administration was equally shared. This approach worked well, although it has now become apparent that we need a clear definition of each commissioner's area of responsibility. We will be implementing this in the coming water year.

An additional workload item given to our water commissioners is the Well Observation Program. While targets were set for the number of well construction sites to be visited, we did not achieve our goal. We will endeavor to do better in the coming year to make this program a success.

District 47 Commissioner, Kincaid Waldron received the 1999 Water Commissioner of the Year award. Caid was selected for efforts in keeping the district under control after the retirement of Eric Wagner. Caid finished out the irrigation season on his own, completed the annual diversion records and assisted in training the new water commissioner. He performed these duties in a professional manner, representing the best of what we look for in an employee for the Division of Water Resources.

There was only one promotion in Division VI in 1999. Kincaid Waldron's position was upgraded from Engineering/ Physical Science Assistant I to Assistant III.

The Division Engineer wishes to recognize the hard work of all the employees of Division VI. They have all provided outstanding service to the citizens of the state this past year and I am extremely proud of each and every one of them.

Training

We continue to encourage staff participation in training opportunities. Training in 1999 was provided from various sources. Several employees attended training sessions as follows.

- Lynne Peters attended COFRS training in January and the annual Administrative/Program Assistants training meeting in September. Both of these sessions were held in Denver.
- Sally Lewis attended the annual Dam Safety training meeting.
- Elvis Iacovetto, Bill Dunham and Jack Leonard attended the annual CWOA meeting in Durango.
- Kent Holt attended the annual Hydrographic meeting held in Crested Butte in September.
- Bob Plaska took a course in GIS at our local community college.
- Sue Petersmann and Kincaid Waldron received training in hydrographic measuring techniques.
- Several staff members received training in the use of CRDSS tools.
- Sally Lewis has offered training to some of our commissioners in the use of ARC Explorer.

Looking forward to 2000, we hope to be able to provide additional training in the use of Office 97, ARC Explorer and data collection using GPS units. Training in these areas will be coordinated with Denver staff.

WATER YEAR 2000

Key Objectives

As we begin the new year, we have several objectives that are of great importance. One of the most important will be the successful implementation of the Colorado Peak Performance program. This will require a great deal of time in the spring to review our pilot year and prepare for actual implementation.

We need to continue to foster good relations with the Water Court. As growth continues in the Division, we must be able to provide the Court with sound consultations that will help guide them in the issuance of decrees. We also need to develop a good working relationship with the new Water Referee in the Division V Water Court.

A major objective this year will be to assist in the successful completion of a management plan for the Yampa River to support a Programmatic Biological Opinion. The Division Engineer will be spending a considerable amount of time on this project.

Implementation of Hydrobase and CRDSS were put on hold in 1999. In the coming year we hope to implement some of the Hydrobase data entry tools. We also plan on learning to use the modeling functions of CRDSS to help us evaluate the potential impact of the endangered species recovery program in the Division. While CWCB is doing the formal analysis for this work, we wish to develop our own expertise in using the model.

We need to prepare for the year 2000 Abandonment List. The list of water rights proposed for abandonment must be ready for submittal to the Denver office this spring. This will be a high priority task for our personnel this spring.

A task that we hope to begin this year is succession planning for the Division. Several of the employees in the Division are close to retirement. We need to start preparing for these retirements and have a plan in place to transfer the knowledge of these individuals to their successors.

During 2000, we plan to distribute copies of our GIS data to all field personnel. We also hope to train them in the use of ARC Explorer, a browser that allows them to access data for their districts in a geographical format. In order to make this data as useful as possible, we need to insure it's accuracy. We plan on beginning our own QA/QC program to correct erroneous location data and to obtain GPS data for our active ditches and reservoirs. This will be an on-going effort conducted with guidance from the IT Section in Denver.

We plan on scanning all of our old Ditch cards that were maintained through the early eighties. These cards contain historic information on decrees, transfers and ownership. The scanned images will be distributed to the various commissioners for their use. Once completed, the originals will be archived. A result of this program will be to free up space in our Steamboat office.

This year we hope to make headway on getting an updated signed agreement on Pot Creek. We would also like to develop an operations manual for use by the Pot Creek Water Commissioner that would guide them in the proper administration on this interstate agreement.

As always, the completion of scheduled dam inspections and the enforcement of restrictions are high priorities.

Being efficient in our operations and functioning within our budgetary limits continues to be an on-going objective of the Division.

TRANSMOUNTAIN DIVERSION SUMMARY - OUTFLOWS

SOURCE								RECIPIENT		
				10-YR AVG		CURRENT YEAR				
WD	ID	NAME	STREAM	AF	DAYS	AF	DAYS	WD	ID	STREAM
47	4602	CAMERON PASS DITCH	MICHIGAN RIVER	8	7	12	8	3		POUDRE R.
47	4603	MICHIGAN DITCH	MICHIGAN RIVER	4841	323	5445	346	3		POUDRE R.
58	4684	SARVIS DITCH	SARVIS CREEK	848	160	0	0	50		MUDDY CK
58	4630	DOME CREEK DITCH	DOME CREEK	249	67	236	115	53		EGERIA CK
58	4685	STILLWATER DITCH	BEAR RIVER	2418	110	1812	112	53		EGERIA CK

NO TRANSMOUNTAIN DIVERSION INFLOWS

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				Date	AF	Date	AF	Year
43	3500	WINDY BILL SPRING POND	EAST BEAVER CK	04/07/99	7	04/07/99	7	7
43	3630	BAILEY LAKE RETAIN POND	SWEDE CK	5/5/1999	23	05/05/99	23	23
43	3632	BEAVER LAKE RESERVOIR	VAUGHN CK	5/3/1999	67	05/03/99	67	67
43	3633	BIG BEAVER CK RESERVOIR	BIG BEAVER CK	08/12/99	7000	04/07/99	7658	7658
43	3634	BLACK GULCH RES	BLACKS GULCH	06/23/99	41	06/23/99	41	41
43	3636	CABIN LAKE RESERVOIR	VAUGHN CK	05/03/99	16	05/03/99	16	16
43	3638	GOOSMAN RESERVOIR	ELK CK	04/07/99	6	04/07/99	6	6
43	3639	GREGOR RESERVOIR	VAUGHN CK	05/03/99	47	05/03/99	47	47
43	3642	JOHNNY JOHNSON RES	WHITE RIVER	10/25/99	650	06/23/99	925	650
43	3643	KEYSTONE RES 2	PRICE CK	08/20/99	30	04/02/99	151	30
43	3644	KEYSTONE BEN PRICE RES	PRICE CK	08/20/99	50	04/02/99	287	50
43	3645	KEYSTONE RES 3	DEEP CHANNEL CK	07/26/99	0	04/02/99	31	0
43	3647	LARSON RES	TRIBUTARIES-PICEANCE CK	05/14/99	6	05/14/99	6	6
43	3649	LUNNEY RESERVOIR	NINE MILE DRAW	04/01/99	82	04/01/99	82	82
43	3651	MCGINNIS MEADOW RES	SOUTH SKINNY FISH CK	05/05/99	87	05/05/99	87	87
43	3652	MCHATTEN RESERVOIR	COAL CK	07/13/99	20	04/01/99	64	20
43	3656	PROCTER RESERVOIR	CURTIS CK	04/06/99	0	04/20/99	7	0
43	3657	SEVENTH LAKE RESERVOIR	VAUGHN CK	05/03/99	32	05/03/99	32	32
43	3659	SKINNY FISH RESERVOIR	SKINNY FISH CK	05/05/99	301	05/05/99	301	301
43	3660	STUMP LAKE RESERVOIR	VAUGHN CK	05/03/99	10	05/03/99	10	10
43	3668	WATKIN RESERVOIR	COAL CK	04/01/99	135	04/01/99	135	135
43	3669	WEST MILLER RESERVOIR	WEST MILLER CK	04/06/99	78	04/06/99	78	78
43	3671	WILSON RES	EAST FLAG CK	04/06/99	124	04/06/99	124	124
43	3672	WEST STEWART GULCH RES	WEST STEWART GULCH	08/10/99	2	04/16/99	13	13
43	3716	JOY JOY & WATSON RES	FAWN CK	05/04/99	6	05/04/99	6	6
43	3717	EVACUATION CR LAKE RES	WEST EVACUATION CK	05/21/99	95	05/21/99	95	95
43	3769	BIG LICK RES	BIG BEAVER CK	04/07/99	503	04/07/99	503	503
43	3893	MARK RES NO 1	WEST CK	04/17/99	24	04/17/99	24	24
43	3894	BANTA RES NO 1	WEST CK	04/17/99	0	04/17/99	0	0
43	3895	KIRBY RES NO 2/60	WEST CK	04/17/99	28	04/17/99	28	28
43	3896	ALBRIGHT RES NO 2	WEST CK	04/17/99	0	04/17/99	0	0
43	3897	MARK RES NO 3	WEST CK	04/17/99	28	04/17/99	28	28
43	3904	BALL LAKE RESERVOIR	MARVINE CK	05/03/99	18	05/03/99	18	18
43	4249	DORTCH POND NO 1	TRIBUTARIES-SOUTH FK	05/05/99	14	05/05/99	14	14
43	4272	JACOBS RESERVOIR	STRAWBERRY CK	04/05/99	15	04/05/99	15	15

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				Date	AF	Date	AF	Year
43	4280	MARK RES NO 2	WEST CK	04/17/99	31	04/17/99	31	31
43	4284	NINE MILE RANCH RES 1	CURTIS CK	04/06/99	41	04/06/99	41	41
43	4291	RAINBOW LAKE	NORTH FORK	05/05/99	37	05/05/99	37	37
43	4308	THEOS RES 1	COAL CK	04/01/99	51	04/01/99	51	51
43	4320	JENSEN RES 1	CURTIS CK	04/06/99	19	04/06/99	19	19
43	4433	TAYLOR DRAW RES	WHITE RIVER	03/30/99	13000	04/29/99	13800	13800
43	4446	JOHNSON POND 15	TRIBUTARIES-PICEANCE CK	04/06/99	1	06/08/99	3	1
43	4463	VANDIVER POND	TRIBUTARIES-NORTH FK	05/04/99	25	05/04/99	25	25
43	4497	BLUE MOUNTAIN RES	WOLF CK	09/10/99	10	04/07/99	68	10
43	4499	REEVES RES	WOLF CK	04/07/99	34	04/07/99	34	34
43	4504	TAYLOR RES	HUNTER CK	04/12/99	81	04/12/99	81	81
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			TOTAL FOR DISTRICT 43		**22871**		**25116**	**24340**
44	3504	SULLIVAN RES LOWER	CEDAR CK	06/25/99	0	06/25/99	0	0
44	3673	WADDLE CK RES	WADDLE CK	05/24/99	40	05/24/99	40	40
44	3674	WILSON RESERVOIR	GOOD SPRING CK	04/14/99	68	04/14/99	68	68
44	3675	WYMAN RES	LITTLE BEAVER CK	08/17/99	37	04/14/99	95	38
44	3677	ANDERSON RES	NORTH FK of ELKHEAD CK	04/23/99	59	05/19/99	139	75
44	3682	COVE LAKE RES	MORAPOS CK	09/23/99	54	07/20/99	74	54
44	3683	COVE RES	MORAPOS CK	09/23/99	60	05/21/99	116	60
44	3686	DRESCHER RES	BASIN GULCH	09/29/99	48	05/25/99	134	48
44	3688	DUNKLEY DEUBEAU RES	WILLOW CK	07/09/99	48	06/25/99	50	48
44	3689	D D & E RES	MILK CK	08/17/99	387	06/02/99	1277	387
44	3695	LEFTWICH RES	BOONE CK	08/16/99	35	05/20/99	36	35
44	3701	POOSE CK RES	POOSE CK	10/08/99	268	05/28/99	277	268
44	3702	ROBY RES	MORAPOS CK	06/02/99	24	05/21/99	26	25
44	3706	SELLERS CROWELL RES	WILLOW CK	07/09/99	0	06/25/99	106	0
44	3721	ELLGEN RESERVOIR	BELL ROCK GULCH	08/19/99	43	05/06/99	114	43
44	3722	ELLGEN RESERVOIR NO 2	MC LERNON DRAW	07/08/99	0	04/15/99	51	0
44	3723	B & B RESERVOIR	FLUME GULCH	05/25/99	25	05/25/99	25	25
44	3736	CULVERWELL RESERVOIR	SAND SPRING GULCH	04/23/99	0	04/23/99	0	0
44	3738	FREEMAN RESERVOIR	LITTLE COTTONWOOD CK	05/21/99	115	05/21/99	115	115

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				Date	AF	Date	AF	Year
44	3739	SHAFFER RESERVOIR	WILLOW CK	07/09/99	0	06/25/99	31	0
44	3790	SADDLE RES	BUTLER CK	07/20/99	133	07/20/99	133	133
44	3824	BISKUP RESERVOIR	TWO SPRINGS GULCH	09/29/99	13	05/25/99	101	13
44	3902	ELKHEAD RESERVOIR	ELKHEAD CK	10/21/99	13120	05/20/99	14023	13120
44	3912	RAW WATER RESERVOIR	TRIBUTARIES	05/24/99	554	05/24/99	554	554
44	3925	FLAT TOP RES	SECOND CK	07/20/99	105	07/20/99	105	105
44	4051	CHESNUT RES NO 2	TRIBUTARIES-EAST FK	06/25/99	10	06/25/99	10	10
44	4381	PEARCE RES	TRIBUTARIES	04/15/99	50	04/15/99	50	50
44	4436	ROBB PIT	TRIBUTARIES	05/21/99	807	05/21/99	807	807
44	4453	LOUDY RESERVOIR	TRIBUTARIES	08/11/99	0	04/17/99	50	0
		TOTAL FOR DISTRICT 44			**16101**		**18606**	**16119**
47	3523	ABRAHAM POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/24/99	18	14
47	3528	ANTELOPE POND	TRIBUTARIES-ILLINOIS R	10/26/99	48	11/01/98	77	48
47	3529	BREWER POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/23/99	46	21
47	3530	ELK POND	TRIBUTARIES-ILLINOIS R	10/26/99	30	11/01/98	90	30
47	3531	POTTER CREEK POND	TRIBUTARIES-ILLINOIS R	10/26/99	52	11/01/98	111	52
47	3532	SEVENTY SIX POND	TRIBUTARIES-ILLINOIS R	10/26/99	37	11/01/98	61	37
47	3533	WILSON POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/23/99	11	8
47	3534	ALKALI POND	POTTER CK	11/01/98	0	08/23/99	16	8
47	3535	ALLARD CONTOUR, MID POND	TRIBUTARIES-ILLINOIS R	08/26/99	0	11/01/98	6	0
47	3536	ALLARD CONTOUR N. POND	TRIBUTARIES-ILLINOIS R	08/26/99	0	11/01/98	4	0
47	3537	ALLARD POND, NORTH	TRIBUTARIES-ILLINOIS R	10/21/99	0	11/01/98	38	0
47	3538	ALLARD COUNTOUR, S. POND	TRIBUTARIES-ILLINOIS R	08/26/99	0	11/01/98	7	0
47	3539	ALLARD POND, SOUTH	TRIBUTARIES-ILLINOIS R	10/21/99	0	11/01/98	48	0
47	3540	ANDERSON CONTOUR POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	11/01/98	0	0
47	3541	ANDERSON DRAIN	ILLINOIS RIVER	11/01/98	0	05/01/99	3	0
47	3542	AVOCET POND	TRIBUTARIES-ILLINOIS R	10/26/99	6	11/01/98	12	6
47	3543	BIRDIE POND	TRIBUTARIES-ILLINOIS R	10/26/99	4	11/01/98	9	4
47	3544	BIRDIE POND	TRIBUTARIES-ILLINOIS R	11/01/98	19	11/01/98	19	19
47	3545	BROCKER POND NORTH	TRIBUTARIES-ILLINOIS R	11/01/98	0	11/01/98	0	0
47	3546	BUDDIES POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/23/99	11	0
47	3547	BULRUSH POND	TRIBUTARIES-ILLINOIS R	10/26/99	7	11/01/98	16	7

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				Date	AF	Date	AF	Year
47	3548	CASE RES #2 ANNEX POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/09/99	13	10
47	3549	CATTAIL POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/09/99	6	0
47	3550	COYOTE POND	TRIBUTARIES-ILLINOIS R	10/26/99	0	11/01/98	3	0
47	3551	DIVERSION POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	11/01/98	0	0
47	3552	EAGLE POND	TRIBUTARIES-ILLINOIS R	10/26/99	13	11/01/98	22	13
47	3553	EISEMANN POND	TRIBUTARIES-ILLINOIS R	10/26/99	9	11/01/98	15	9
47	3554	FISH HATCHERY POND, EAST	TRIBUTARIES-ILLINOIS R	08/23/99	6	11/01/98	8	6
47	3555	FISH HATCHERY POND WEST	POTTER CK	08/23/99	0	11/01/98	2	0
47	3556	FISHERMAN'S PARKING POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	11/01/98	0	0
47	3557	FOLLETT POND	TRIBUTARIES-ILLINOIS R	10/26/99	9	11/01/98	10	9
47	3558	FOX POND	SPRING CK	11/01/98	0	05/04/99	108	48
47	3559	GERM POND	TRIBUTARIES-ILLINOIS R	08/27/99	25	11/01/98	28	28
47	3560	GOOSE POND	TRIBUTARIES-ILLINOIS R	10/26/99	32	11/01/98	49	32
47	3561	GREASEWOOD POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	11/01/98	0	0
47	3562	HAMPTON NO 1 POND	TRIBUTARIES-ILLINOIS R	10/15/99	0	11/01/98	1	0
47	3563	HAMPTON NO 2 POND	TRIBUTARIES-ILLINOIS R	08/27/99	0	11/01/98	22	0
47	3564	HAMPTON NO 3 POND	TRIBUTARIES-ILLINOIS R	10/15/99	11	11/01/98	25	11
47	3565	HOME POND	TRIBUTARIES-ILLINOIS R	10/15/99	17	11/01/98	52	17
47	3566	HORSESHOE POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/23/99	2	1
47	3567	KITCHEN POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/23/99	9	9
47	3568	LIVING ROOM POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/23/99	6	4
47	3569	MARSH POND	ANTELOPE CK	10/26/99	0	11/01/98	15	0
47	3570	MCCAMMON POND NORTH	TRIBUTARIES-ILLINOIS R	10/21/99	3	11/01/98	8	3
47	3571	MCCAMMON POND SOUTH	TRIBUTARIES-ILLINOIS R	10/21/99	30	11/01/98	41	30
47	3572	N. TOUR ROUTE POND	TRIBUTARIES-ILLINOIS R	10/26/99	0	11/01/98	10	0
47	3573	OLD ROAD POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/23/99	5	0
47	3574	ONE TWENTY FIVE POND	TRIBUTARIES-ILLINOIS R	10/26/99	3	11/01/98	17	3
47	3575	PATTEN POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/23/99	5	4
47	3576	POTHOLE POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/14/99	5	0
47	3577	PRAIRIE DOG POND	ANTELOPE CK	10/26/99	12	11/01/98	18	12
47	3578	RAT DITCH POND	TRIBUTARIES-ILLINOIS R	10/26/99	5	11/01/98	6	5
47	3579	RIZOR POND	TRIBUTARIES-ILLINOIS R	10/26/99	8	11/01/98	11	8
47	3580	ROADSIDE POND NORTH	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/09/99	4	0
47	3581	ROADSIDE POND SOUTH	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/09/99	6	4

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				Date	AF	Date	AF	Year
47	3582	ROSS POND	POTTER CK	11/01/98	0	08/27/99	4	2
47	3583	SCHOOL POND NORTH	TRIBUTARIES-ILLINOIS R	08/27/99	0	11/01/98	30	0
47	3584	SCHOOL POND SOUTH	TRIBUTARIES-ILLINOIS R	08/27/99	0	11/01/98	27	0
47	3585	SMITH POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/24/99	12	9
47	3586	SOLBERG POND	TRIBUTARIES-ILLINOIS R	08/26/99	0	11/01/98	11	0
47	3587	SOUTH TOUR ROUTE POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/09/99	1	0
47	3588	SPRING CREEK POND	SPRING CK	10/22/99	39	11/01/98	63	39
47	3589	VARNEY POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	10/26/99	14	14
47	3590	WILLFORD POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	08/10/99	31	0
47	3594	BENNETT RESERVOIR	SOUTH FK of BEAVER CK	11/01/98	0	11/01/98	0	0
47	3595	BIG CREEK RESERVOIR	SOUTH FK of BIG CK	11/01/98	1434	11/01/98	1434	1434
47	3596	BOETTCHER LAKE RES	LAKE CK	10/01/99	120	11/01/98	197	120
47	3597	BUFFALO RES	BUFFALO CK	07/09/99	282	11/01/98	454	409
47	3598	BUTTE RES	TRIBUTARIES	07/01/99	446	11/01/98	731	626
47	3599	CARLSTROM RES	MICHIGAN RIVER	10/08/99	283	11/01/98	448	376
47	3600	CASE RES NO 1	ANTELOPE CK	10/26/99	57	08/23/99	83	57
47	3601	CASE RES NO 2	POTTER CK	10/26/99	58	08/09/99	98	58
47	3602	CASE RES NO 3	POTTER CK	11/01/98	16	08/23/99	31	31
47	3603	CLAYTON RESERVOIR	BUFFALO CK	11/01/98	130	04/20/99	213	197
47	3604	DARCY RES	LIL WILLOW AKA ROCK CK	11/01/98	0	05/30/99	80	0
47	3605	FULLER RES	COW CK	11/01/98	8	11/01/98	8	8
47	3607	HAP RESERVOIR	BUFFALO CK	07/15/99	0	07/15/99	0	0
47	3608	HECLA RESERVOIR	ARAPAHOE CK	07/08/99	135	11/10/98	255	255
47	3609	HUNTER RES	SOUTH FK of THREE MI CK	11/01/98	0	06/20/99	10	0
47	3610	JACKSON RES	RILEY CK	08/13/99	111	11/01/98	119	119
47	3613	LAKE ROSLYN RES	HOWD CREEK	11/01/98	290	11/01/98	290	290
47	3614	MACFARLANE RES	SOAP CK	11/01/98	4065	05/31/99	6272	4620
47	3615	MCGOWAN RES	MIDDLE FK of MEXICAN CK	11/01/98	40	11/01/98	40	40
47	3616	MEXICAN RESERVOIR	MEXICAN CK	10/10/99	68	05/16/99	154	68
47	3617	P W FISCHER RES	FISCHER DRAW	05/06/99	0	11/01/98	29	29
47	3620	SHAWVER RES	DEER CK	11/01/98	0	11/01/98	0	0
47	3621	SLACK & WEISS RES	NINEGAR CK	07/11/99	95	11/01/98	152	152
47	3622	SOUTH ARAPAHOE RES	ARAPAHOE CK	08/12/99	0	11/01/98	16	16

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				Date	AF	Date	AF	Year
47	3623	STAMBAUGH RES	CROSBY CK	11/01/98	88	06/07/99	139	88
47	3624	STATE WALDEN RES	POTTER CK	11/01/98	38	11/01/98	38	38
47	3625	THREE MILE RES	THREE MILE CK	07/20/99	18	11/01/98	49	49
47	3626	VANVALKENBURG RES	ED VAN VALKENBURG DRAW	09/16/99	25	06/02/99	54	25
47	3627	WALDEN RESERVOIR	ILLINOIS RIVER	11/01/98	3158	04/23/99	4908	3882
47	3628	WEST ARAPAHOE RES	ARAPAHOE CK	11/01/98	98	06/10/99	497	328
47	3629	WILLS RES	SIX MILE CK	11/01/98	0	05/01/99	10	0
47	3630	TWO LEDGE RES	COYOTE CK	11/01/98	20	05/11/99	40	20
47	3652	FOUR ZERO FOUR POND	TRIBUTARIES-ILLINOIS R	10/26/99	9	11/01/98	14	9
47	3653	NO NAME POND	TRIBUTARIES-ILLINOIS R	11/01/98	0	11/01/98	0	0
47	3725	ADDISON RESERVOIR	BUFFALO CK	10/11/99	27	11/01/98	42	27
47	3726	AQUA FRIA RES	BEAVER CK of ROARING FK	11/01/98	550	11/01/98	550	550
47	3742	LAUNE RESERVOIR	TRIBUTARIES	08/03/99	1886	06/12/99	2664	2365
47	3743	SEYMOUR RES	BIG GRIZZLY CK	07/10/99	183	11/01/98	525	525
47	3744	COYTE RESERVOIR	ARAPAHOE CK	11/01/98	39	11/01/98	39	39
47	3746	POLE MOUNTAIN RES	MIDDLE FK of MEXICAN CK	07/13/99	0	07/13/99	0	0
47	3750	LAKE JOHN	LAKE CK	10/10/99	6750	04/01/99	7035	6750
47	3752	GINGER QUILL RESERVOIR	THREE MILE CK	11/01/98	38	11/01/98	38	38
47	3753	NORTH MICHIGAN CK RES	NORTH FK of MICHIGAN R	09/17/99	1285	06/02/99	1320	1285
47	3756	HOUSE RES	LOST CK	11/01/98	45	11/01/98	45	45
47	3757	RIDINGS RES	BUFFALO CK	11/01/98	0	04/20/99	46	0
47	3760	BURNS RES	CHEDSEY CK	11/01/98	39	11/01/98	39	39
47	3766	ROCK RESERVOIR	NEWCOMB CK	11/01/98	0	11/01/98	0	0
47	3768	KETTLE RESERVOIR	NEWCOMB CK	11/01/98	0	11/01/98	0	0
47	3777	NINEGAR RESERVOIR	NINEGAR CK	07/12/99	0	11/01/98	24	24
47	3778	FISCHER LAKE	MICHIGAN RIVER	10/08/99	52	11/01/98	58	58
47	4335	MEADOW CREEK RES	MEADOW CK	11/01/98	3072	05/04/99	4750	4265
47	4354	LATHAM RES	NEWCOMB CK	06/13/99	21	06/13/99	21	21
47	4356	MUDDY PASS RES	BIG GRIZZLY CK	11/01/98	58	11/01/98	58	58
47	4358	WADE LAKE	NINEGAR CK	07/15/99	51	07/15/99	51	51
47	4432	SPRING CK RES	SPRING CK	11/01/98	50	11/01/98	50	50
47	4433	MUSKRAT POND	POTTER CK	10/15/99	189	04/29/99	390	189
		TOTAL FOR DISTRICT 47			**25851**		**35933**	**30305**

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				Date	AF	Date	AF	Year
54	3519	BOYER RESERVOIR	WILLOW CK, EAST	06/01/99	119	06/01/99	119	119
54	3520	B2 RESERVOIR	TRIBUTARIES	07/01/99	50	05/28/99	50	30
54	3589	ELK LAKE RES	WILLOW CK	11/01/98	398	05/05/99	398	398
54	3591	LAKE FORK RESERVOIR	LAKE FORK CK	08/01/99	44	06/01/99	44	30
54	3780	MARTIN CULL RESERVO	FOUR MILE CK	09/27/99	250	05/05/99	250	0
54	3944	LOWER COGDILL RES	GOVT/CORRAL CK	09/01/99	173	06/01/99	173	160
54	3945	UPPER COGDILL RES	GOVT/CORRAL CK	06/14/99	45	06/14/99	45	45
54	3946	MCCARGER RES	INDEPENDENCE CK	06/16/99	64	06/16/99	64	64
54	3948	SLATER CR LAKE	LAKE CK	06/01/99	88	05/01/99	88	0
54	4359	GEORGIOU RES	FOUR MILE CK	05/05/99	15	05/05/99	15	15
54	4454	MINE DRAW RESERVOIR	HOUSEL GULCH	09/01/99	15	04/15/99	15	5
					---		---	---
			TOTAL FOR DISTRICT 54		**839**		**1262**	**867**
56	3710	BASSETT RESERVOIR NO 1	MATT SPRING CK	07/31/99	0	06/15/99	32	0
56	3714	MASSEY RESERVOIR	DRY CK of POT CK	08/01/99	0	06/01/99	20	0
56	3715	OFFIELD RESERVOIR	POT CK	10/01/99	100	05/25/99	364	100
56	3740	BASSETT RESERVOIR NO 2	BULL CANYON	07/31/99	0	06/18/99	54	0
56	4452	HOUSE RESERVOIR	ANTONE CANYON	05/15/99	0	05/01/99	20	0
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			TOTAL FOR DISTRICT 56		**100**		**490**	**100**
57	3500	SENECA MINE POND 006	HUBBERSON GULCH	07/01/99	11	10/31/99	11	11
57	3501	SEDIMENTATION POND A	FOIDEL CK	11/01/98	210	11/01/98	210	210
57	3516	WOLF MOUNTAIN RES	WOLF CK	11/01/98	80	05/31/99	82	80
57	3523	PEABODY POND Y-1	SAGE CK	10/31/99	0	05/01/99	5	0
57	3541	HUNTER NO 1 RES	MIDDLE CK	11/01/98	1	05/11/99	10	8
57	3542	WOLF MOUNTAIN RES 2	WOLF CK	11/01/98	20	11/01/98	20	20
57	3543	CAMPSITE RESERVOIR	SMUIN GULCH	11/01/98	2	11/01/98	2	2
57	3549	APPLE RES	DRY FORK	10/31/99	0	04/12/99	10	0
57	3550	BASIN RES	BUCHANAN GULCH	11/01/98	0	11/01/98	0	0
57	3551	BROCK RESERVOIR	BROCK GULCH	11/01/98	5	11/01/98	5	5
57	3555	ECKMAN PARK RES 1	FOIDEL CK	11/01/98	2	05/01/99	4	3
57	3560	EMRICH RES	TEMPLE GULCH	05/31/99	0	05/12/99	135	0
57	3564	GREASEWOOD FLAT RES	DILL GULCH	10/31/99	6	04/15/99	8	6
57	3571	JAMES MARION YOAST RES	YOAST GULCH	10/28/99	60	06/05/99	201	60

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				Date	AF	Date	AF	Year
57	3572	J C TEMPLE RES 1	TEMPLE GULCH	10/21/99	250	05/12/99	454	250
57	3574	MORGAN CREEK RES 1	MORGAN CK	11/01/98	0	05/12/99	100	0
57	3575	NOFSTGER RES	SCOTCHMANS GULCH	09/20/99	0	11/01/98	1	0
57	3576	NOFSTGER ZEIGLER RES	SCOTCHMANS GULCH	11/01/98	55	04/30/99	67	58
57	3577	SAGE CREEK RES	SAGE CK	11/01/98	0	11/01/98	0	0
57	3582	SEATON RES	MIDDLE FISH CK	11/01/98	0	06/10/99	20	0
57	3583	SHERIFF RES	TROUT CK	10/25/99	370	06/24/99	1025	370
57	3585	WHETSTONE RES	WHETSTONE CK	04/13/99	1	11/01/98	12	1
57	3587	YOAST RESERVOIR 1	YOAST GULCH	11/01/98	0	06/05/99	11	1
57	3612	HOPES POND	TRIBUTARIES-TROUT CK	11/01/98	1	05/11/99	2	1
57	3761	EAST OF MINE SHOP IMPND	GRASSY CK	11/01/98	9	11/01/98	9	9
57	3772	KOWACH RESERVOIR 1	BUCHANAN GULCH	11/01/98	30	05/12/99	33	33
57	3775	COZZENS WALROD RESERVOIR	HUTCHINSON DRAW	11/01/98	20	04/30/99	40	25
57	3786	HAYDEN RAW WATER RES	SAGE CK	10/31/99	608	03/01/99	881	608
57	3793	WADGE PIT RES	GRASSY CK	11/01/98	150	11/01/98	150	150
57	4000	CURTIS GULCH STOCK POND	CURTIS GULCH	11/01/98	35	05/01/99	40	37
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		TOTAL FOR DISTRICT 57			**1926**		**3548**	**1949**
58	3500	ALLEN BASIN RES	MIDDLE HUNT CK	11/01/98	1428	06/10/99	2170	1730
58	3501	ALMA M BAER RES	FISH CK	11/01/98	3	11/01/98	3	3
58	3503	BISON PARK RES	LAWSON CK	11/01/98	0	06/01/99	38	0
58	3504	BULL PARK RES 2	WATSON CK	11/01/98	0	06/01/99	35	0
58	3505	BURNT MESA RES	SOUTH HUNT CK	10/31/99	49	05/24/99	75	49
58	3506	CHAPMAN RES	LITTLE OAK CK	10/31/99	20	06/01/99	247	20
58	3508	FISH CREEK RES	MIDDLE FK of FISH CK	11/01/98	1493	08/01/99	4188	3525
58	3509	FISH LAKE RES 2	WHEELER, LAKE CK	11/01/98	35	11/01/98	35	35
58	3511	GARDNER PARK RESERVOIR	GARDNER PARK CK	09/30/99	720	06/04/99	1156	720
58	3512	HAHNS PEAK RES	WILLOW CK	11/01/98	601	11/01/98	601	601
58	3513	HEART LAKE RES	WATSON CK	09/01/99	20	07/14/99	270	65
58	3518	LAKE CREEK RES	WHEELER, LAKE CK	11/01/98	292	11/01/98	292	292
58	3519	LAKE WINDEMERE RES	DE CORA GULCH	10/31/99	40	05/01/99	89	40
58	3520	LEE RESERVOIR	CHIMNEY CK OR S FK	11/01/98	3	05/15/99	10	3
58	3521	LESTER CK RESERVOIR	LESTER CK	06/02/99	5410	05/01/99	5657	5410
58	3522	LONG LAKE RES	SOUTH FK of FISH CK	11/01/98	0	11/01/98	0	0
58	3523	LOWRY RESERVOIR	PINNACLE CK	06/24/99	0	06/24/99	0	0

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				Date	AF	Date	AF	Year
58	3524	MAY RESERVOIR	GEORGES GULCH	11/01/98	1	06/01/99	3	1
58	3525	MCCHIVVIS RES	WATSON CK	11/01/98	0	06/09/99	90	20
58	3528	MOORE PARK RES	MOORE PARK CK	11/01/98	21	11/01/98	21	21
58	3530	OAK CREEK RES	OAK CK	11/01/98	2	11/01/98	2	2
58	3532	RAMS HORN RES	DOME CK	11/01/98	122	11/01/98	122	122
58	3539	SIMON RES 1	MIDDLE HUNT CK	11/01/98	375	06/22/99	903	569
58	3540	STILLWATER RES 1	BEAR RIVER	04/02/99	2936	06/24/99	5735	3429
58	3541	STUCKEY DIST RES	SPRING CK	10/04/99	0	05/07/99	5	0
58	3544	TRULL CR RES	TRULL CK	11/01/98	5	05/01/99	185	10
58	3545	BEAR LAKE	BEAR RIVER	11/01/98	620	11/01/98	620	620
58	3546	WHEELER RES	WHEELER, LAKE CK	11/01/98	37	11/01/98	37	37
58	3547	WHITELEY NELSON RES	WILSON CK	10/31/99	40	05/15/99	429	40
58	3551	DEER PARK POND 3	WILLEY CK	11/01/98	4	05/13/99	11	4
58	3564	OVERMAN RESERVOIR	TRIBUTARIES	09/01/99	0	05/20/99	45	0
58	3569	FOLLY POND	OAK CK	10/25/99	34	06/08/99	40	34
58	3570	WHITEMAN SCHOOL POND	KIRKBRIDE CK	11/01/98	0	11/01/98	0	0
58	3571	MYSTIC RESERVOIR 2	TRULL CK	10/31/99	1	11/01/98	1	1
58	3585	KENYON FISH POND	TRIBUTARIES-ELK R	11/01/98	21	11/01/98	21	21
58	3586	FAIT RESERVOIR	RENFRO CK	11/01/98	4	11/01/98	4	4
58	3587	UPPER SPRING CK RES	SPRING CK	10/31/99	10	11/01/98	15	10
58	3596	LODWICK POND	FISH CK	11/01/98	13	11/01/98	13	13
58	3599	VALENTINE POND	FISH CK	11/01/98	2	11/01/98	2	2
58	3603	CHAPMAN POND	TRIBUTARIES-ELK R	11/01/98	6	11/01/98	6	6
58	3615	MOWERY POND	BUTCHERKNIFE CK	06/01/99	0	06/01/99	0	0
58	3629	TARZIAN RES 1	FAWN CK	10/26/99	2	11/01/98	6	2
58	3631	LAKE CATAMOUNT	YAMPA RIVER	01/05/99	5465	05/28/99	8628	7596
58	3632	HOGUE RES	TRIBUTARIES	11/01/98	5	11/01/98	5	5
58	3635	ROSSI RESERVOIR 1	MIDDLE HUNT CK	11/01/98	10	11/01/98	10	10
58	3644	HOLLINGWORTH FISH POND 2	SODA CK	11/01/98	0	11/01/98	0	0
58	3767	CROWNER RESERVOIR	BEAVER CK of CHIMNEY CK	11/01/98	0	05/28/99	18	0
58	3770	MARTIN RESERVOIR	MARTIN CK	11/01/98	47	05/10/99	75	74
58	3771	TILLQUIST LAKE RESERVOIR	MORRISON CK	11/01/98	6	11/01/98	6	6
58	3787	STEAMBOAT LAKE	WILLOW CK	10/21/99	22242	05/25/99	25980	22242
58	3788	HOLLINGWORTH FISH POND	SODA CK	11/01/98	2	11/01/98	2	2
58	3825	UPPER ROBINSON RES	DEER CK	10/25/99	20	04/12/99	23	20
58	3826	BAR BEE LAKE	BEAVER CK of MORRISON CK	11/01/98	81	11/01/98	81	81
58	3940	REED RESERVOIR	CHIMNEY CK	06/07/99	4	11/01/98	8	8

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				Date	AF	Date	AF	Year
58	3943	GOOF UP PONDS	TRIBUTARIES-ELK R	11/01/98	8	11/01/98	8	8
58	4213	STAGECOACH RESERVOIR	YAMPA RIVER	03/20/99	26170	05/26/99	33696	31680
58	4240	YAMCOLO RES	BEAR RIVER	08/04/99	6871	05/20/99	9705	7604
58	4362	HENDERSON RES	HENDERSON CK	06/08/99	0	05/01/99	31	0
58	4366	MAD RANCH POND	HOT SPRING CK	11/01/98	10	11/01/98	10	10
58	4376	STEAMBOAT WW RECL RES	TRIBUTARIES	11/01/98	38	09/23/99	50	50
58	4420	BROOKIE LAKE	WHEELER, LAKE CK	11/01/98	32	11/01/98	32	32
58	4446	EITELJORG POND	BUTCHERKNIFE CK	11/01/98	0	11/01/98	0	0
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			TOTAL FOR DISTRICT 58		**75381**		**101549**	**86889**

WATER DIVERSION SUMMARIES

WD	STRUCTURES REPORTING		ALL OTHER STRUCTURES			ESTIMATED NUMBER OF VISITS TO STRUCTURE	TOTAL DIVERSIONS AF	TOTAL DIVERSIONS TO STORAGE AF	TO IRRIGATION		
	With Record Avail 1	No Water Available 2	No Water Taken 3	No Into Available 4	No Record 5				TOTAL DIVERSIONS AF	NUMBER OF ACRES IRRIGATED	AVERAGE ACRE-FEET PER ACRE
43	545	1	79	10	1773	4687	575410	0	256494	27008	9.5
44	258	6	71	2	2549	1615	152427	0	130459	28231	4.6
47	455	2	35	4	448	3443	409358	6440	389695	115305	3.4
54	83	1	10	24	376	396	59927	54	59139	16562	3.6
55	21	0	1	0	343	138	17289	0	17289	2156	8.0
56	46	4	14	6	683	235	17366	0	17366	3708	4.7
57	89	0	35	1	617	404	56224	77	45691	9797	4.7
58	420	5	112	9	1509	2798	220129	701	125347	30839	4.1
	1917	19	357	56	8298	13716	1508130	7272	1041480	233606	4.8

Definitions:

(1) Index on ID with "UNIQUE" on
(2) Count of structures with NUC=B
(3) Count of structures with NUC=(A,C,D)
(4) Count of structures with and NUC=(E,F)
(5) Count of structures with CIU=U

WATER DIVERSIONS TO VARIOUS USES

USES	WD 43	WD 44	WD 47	WD 54	WD 55	WD 56	WD 57	WD 58	TOTALS
TRANSMOUNTAIN OUT			5457						5457
TRANSBASIN OUT				734			1677	2048	4457
MUNICIPAL	2272	1842	198				270	3325	7907
COMMERCIAL							10	83	93
INDUSTRIAL	2304	14939	88				4024	179	21534
RECREATION	547							1904	2451
FISHERY	24827	500	163				1351	8454	35295
DOMESTIC & HOUSEHOLD	841						127	1572	2540
LIVESTOCK	18141		7317	0			2997	13901	42356
AUGMENTATION									0
EVAPORATION									0
GEOTHERMAL									0
SNOWMAKING								350	350
MINIMUM STREAMFLOW									0
POWER GENERATION	269984	4662						62234	336880
WILDLIFE									0
RECHARGE									0
OTHER									0
TOTALS	318916	21943	13223	734	0	0	10456	94050	459320

RIVER CALLS - WATER YEAR 1999

CALLING PRIORITY

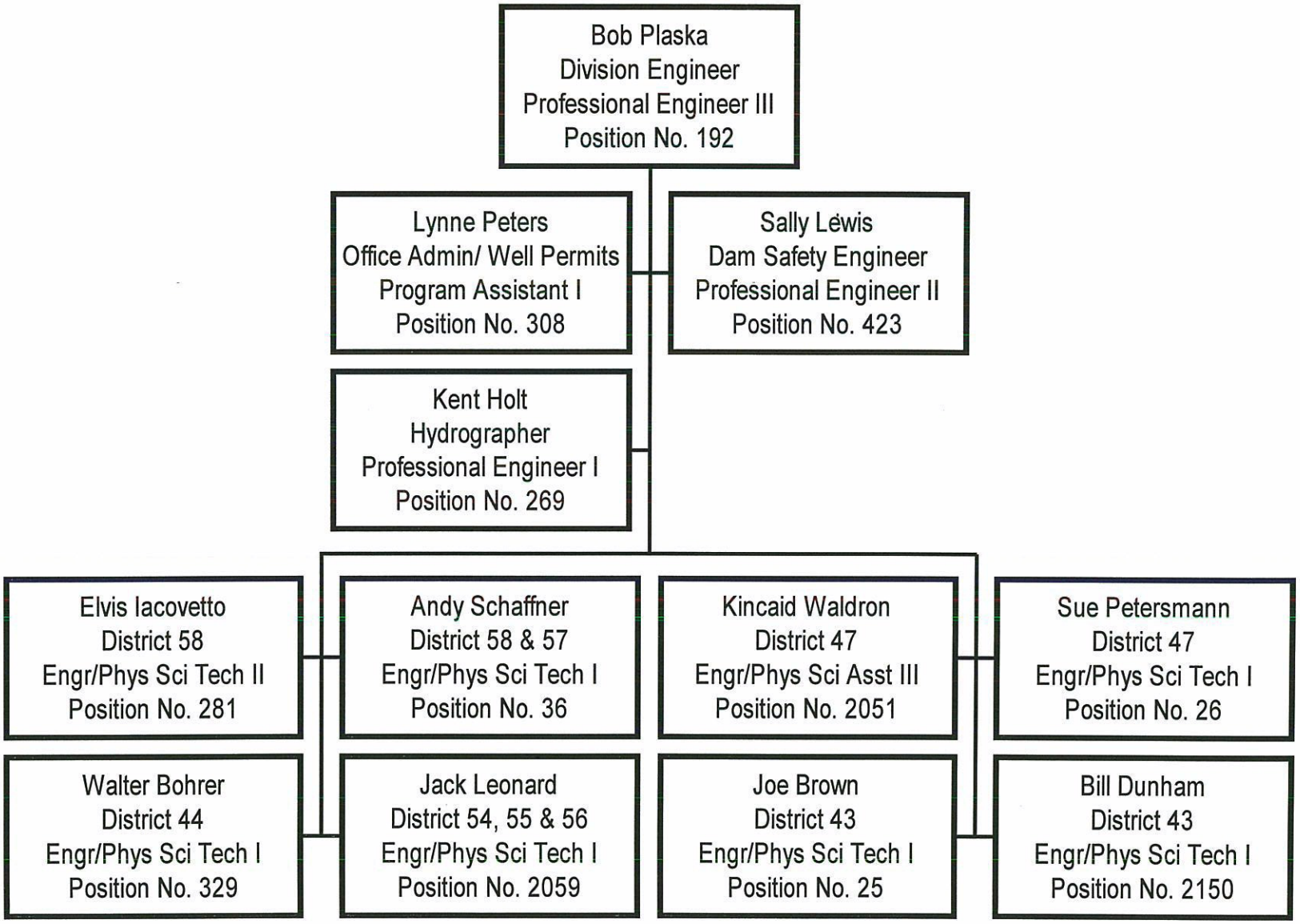
WD	STREAM	STRUCTURE	PERSON CALLING	FIRST	LAST	ADMIN NO.
43	PICEANCE CREEK	SQUARE S CONSOL DITCH	HUGHES, TORRENCE	07/02/99	07/10/99	12571.00000
44	FORTIFICATION CREEK	WISCONSIN DITCH	GRAY,TOM	07/06/99	09/30/99	14019.00000
44	MORAPOS CREEK	HIGHLINE DITCH	KOURLIS, TOM	07/16/99	09/30/99	14020.00000
47	ROCK CREEK	DONELSON DITCH	VERHUEL, DONALD	05/19/99	07/09/99	21366.17684
47	ROCK CREEK	DONELSON DITCH	VERHUEL, DONALD	07/24/99	09/24/99	26727.25391
47	ROCK CREEK	KERR DITCH	GREEN, TED	06/30/99	07/05/99	13679.00000
47	LITTLE GRIZZLY CK	JENNY DITCH	THOMPSON, B.	08/20/99	11/20/99	30280.24971
58	BEAR RIVER	BIRD DITCH	REDMOND, BRIAN	06/02/99	06/04/99	12232.00003
58	BEAR RIVE	NICKELL DITCH	PETRINI,RICHARD	06/29/99	07/08/99	12232.00000
58	BEAR RIVER	FIX DITCH	SCHALNUS,JERRY	07/12/99	07/23/99	21980.00000
58	BEAR RIVER	ACTON DITCH	ACORD, DUANNE	07/26/99	07/26/99	14372.00000
58	BEAR RIVER	STILLWATER DITCH	STILLWATER DITCH CO	08/02/99	08/24/99	22071.19623
58	LAWSON CREEK	LAWSON CREEK DITCH	ROSSI, JIM	06/20/99	06/30/99	24141.14781
58	MARTIN CREEK	MARTIN DITCH	GIBBS, RICHARD	06/08/99	07/12/99	14745.00000
58	MIDDLE HUNT CREEK	SIMON DITCH	ROSSI, MARK	05/20/99	06/28/99	14032.00000
58	MIDDLE HUNT CREEK	COLLINS DITCH	ROSSI, MARK	07/23/99	07/30/99	22074.17819
58	MIDDLE HUNT CREEK	SIMON DITCH	ROSSI, MARK	09/21/99	10/04/99	14032.00000
58	NORTH HUNT CREEK	NORTH HUNT CREEK DITCH	CRAIG, DAN	06/11/99	08/01/99	14348.00000
58	SOUTH HUNT CREEK	LAFON DITCH	MATTSON, BOB	07/02/99	07/19/99	18529.13985

WATER COURT ACTIVITIES
Calendar Year 1999

	Division 5	Division 6
Applications	40	77
Consultations with Referee	26	83
Decrees Issued by Court for Water Rights	23	80
Dismissals	4	2
Complaints	0	0
Change of Venue	0	1

TYPE OF RULING	Division V No. of Cases or Orders	Structures	Division VI No. of Cases or Orders	Structures
Findings of Diligence on Conditional Rights	7	10	15	20
Cancellations of Conditional Rights	2	2	8	14
Conditional Water Rights Made Absolute	2	3	6	9
Surface Water Rights Adjudicated	10	26	38	88
Underground Water Rights Adjudicated	1	1	2	3
Water Storage Rights Adjudicated	2	6	19	74
Plans for Augmentation Adjudicated	0	0	0	0
Changes of Water Rights Adjudicated	6	15	0	0
Instream Flow Rights Adjudicated	0	0	0	0
Abandonment List	0	0	0	0

Division VI Organizational Chart



1999 OFFICE ADMINISTRATION and WORKLOAD MEASURES

Professional and Technical Staff	3.0
Administrative Support Staff	1.0
Water Commissioners Assigned	6.5
Wells Permitted	229
Water Court Appearances	3
Water Referee Contacts	28
Meetings with Water Users	22
Meetings to Resolve Water Related Disputes	2
Contacts to Give Public Assistance on Water Rights	16899