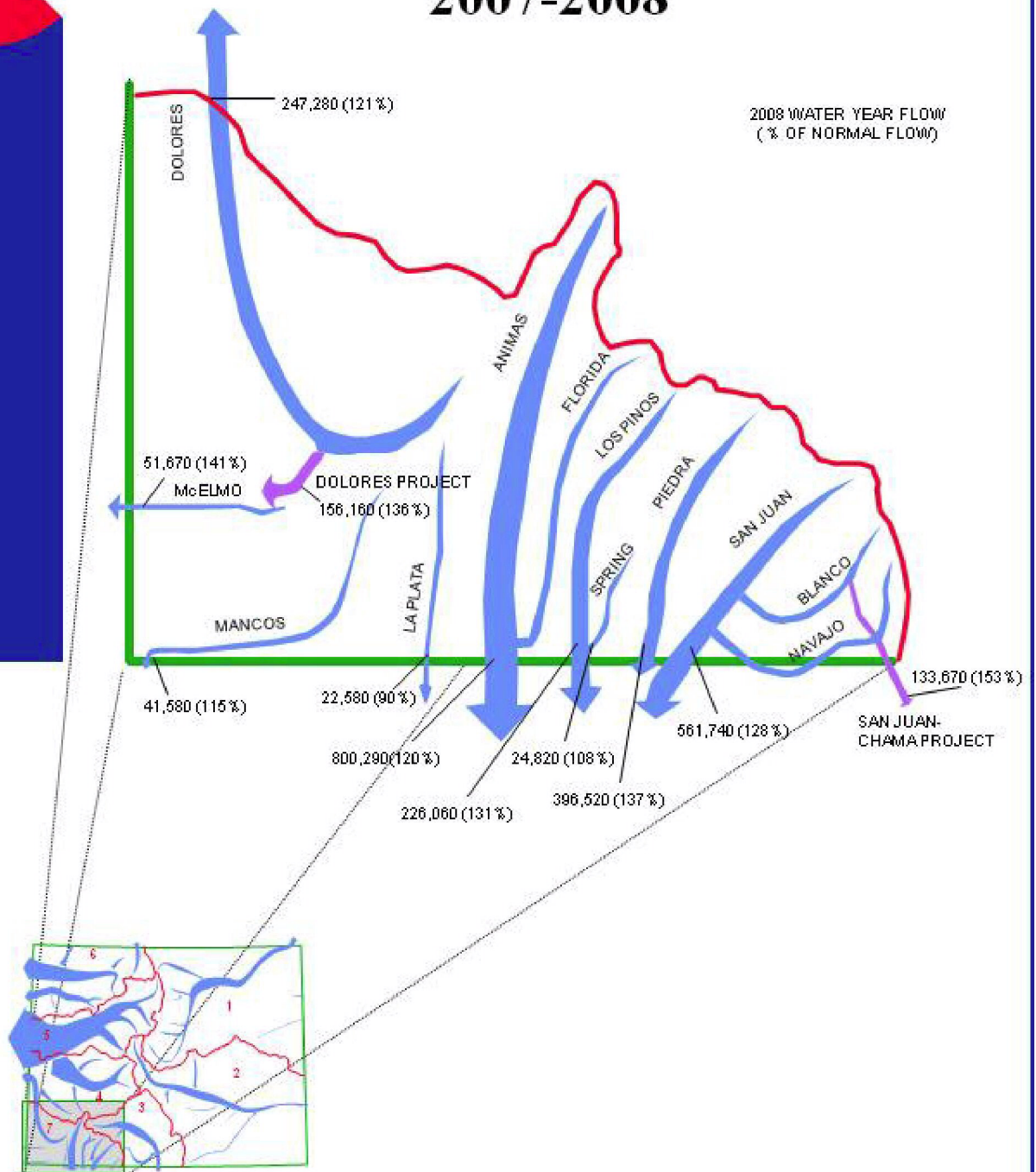




DIVISION OF WATER RESOURCES

DIVISION VII ANNUAL REPORT

2007-2008

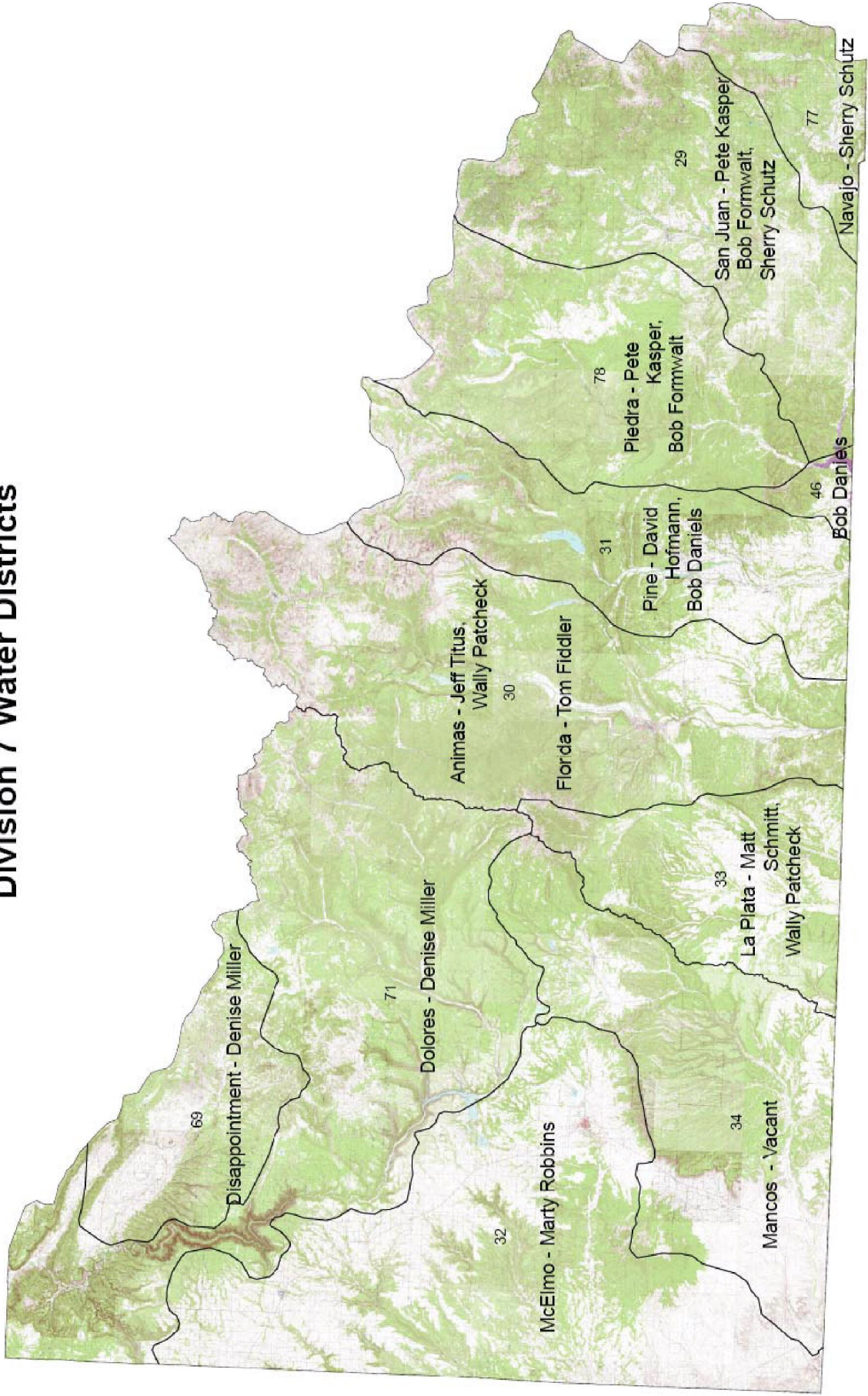


Rege W. Leach
Division Engineer

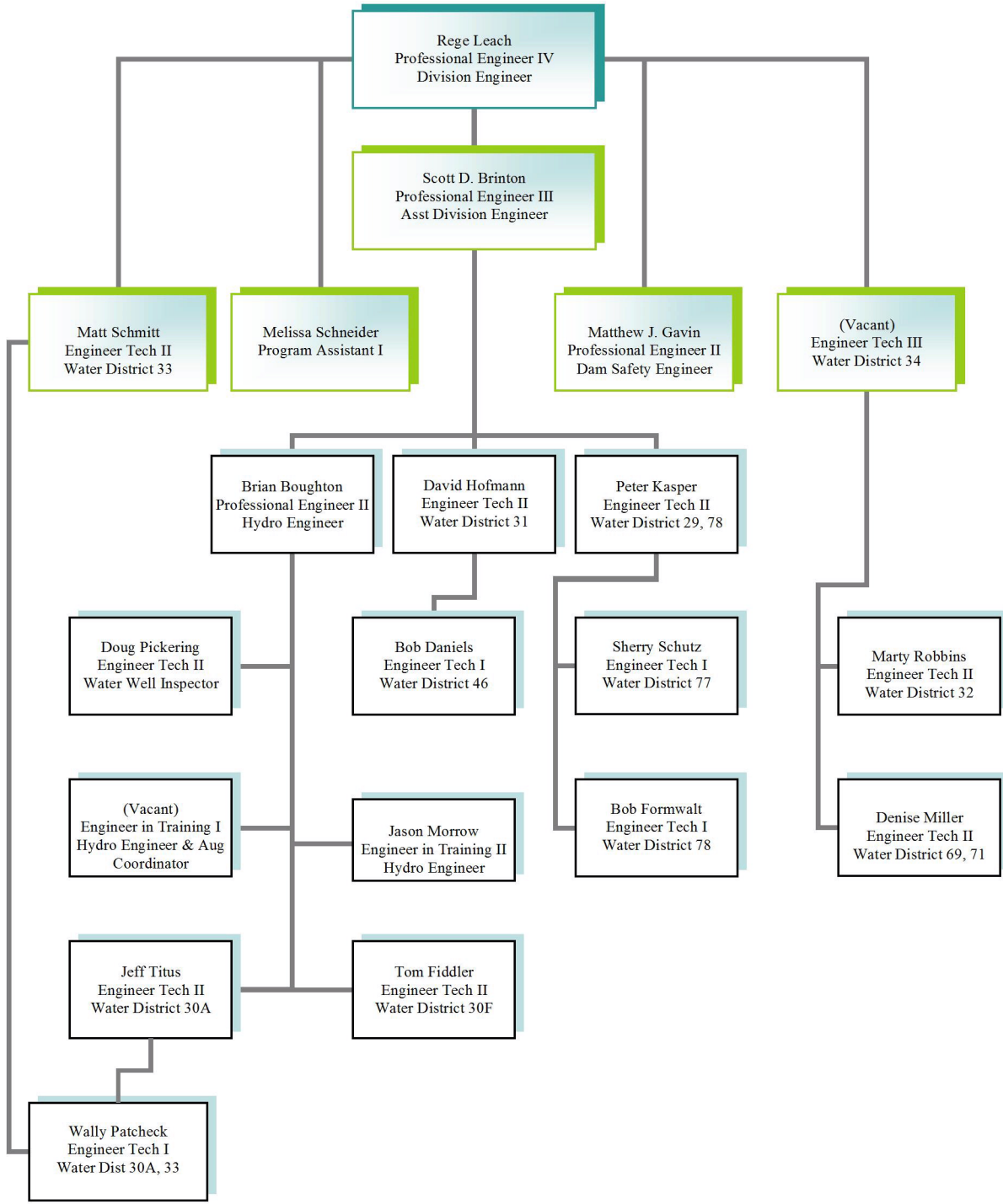
INDEX

<u>DIVISION 7 DISTRICT MAP</u>	3
<u>DIVISION 7 ORGANIZATIONAL CHART</u>	4
<u>2007-2008 WATER YEAR</u>	5
<u>STAFF SUMMARIES-IN THEIR OWN WORDS</u>	13
<u>EVENTS OF 2007-2008 WATER YEAR</u>	25
<u>UPCOMING WATER YEAR</u>	32
<u>SUMMARY</u>	37
<u>THE YEAR IN PHOTOS</u>	38
<u>STATISTICAL INFORMATION</u>	
JUNE 1, 2008 SNOWPACK DATA.....	40
TRANSMOUNTAIN DIVERSIONS.....	41
RESERVOIR STORAGE SUMMARIES	42
WATER DIVERSION SUMMARIES BY DISTRICT	52
WEATHER CHARTS FOR DURANGO (2007 WATER YEAR)	
- HIGH AND LOW TEMPERATURES	55
- CUMULATIVE PRECIPITATION	56
STREAMFLOW HYDROGRAPHS	
- ANIMAS AT DURANGO	57
- LA PLATA RIVER COMPACT	58
COMPACT DELIVERIES	
- LA PLATA COMPACT ADMINISTRATIVE SUMMARY	59
- SAN JUAN - CHAMA DIVERSIONS	60
ACTIVITY SUMMARY FY 2007 - 2008	61
WATER COURT ACTIVITIES CALENDAR YEAR 2008	62
OFFICE ADMINISTRATION FY 2007 - 2008	63
DIVISION RIVER CALLS IY 2008	64
WELL PERMIT ACTIVITY 1981 - 2008	65
<u>APPENDIX - WATER DISTRICT SUMMARIES</u>	
DISTRICT 29	66
DISTRICT 30	67
DISTRICT 31	68
DISTRICT 32	69
DISTRICT 33	70
DISTRICT 34	71
DISTRICT 46	72
DISTRICT 69	73
DISTRICT 71	74
DISTRICT 77	75
DISTRICT 78	76

Division 7 Water Districts



Division 7 Organizational Chart April 2009



2007-2008 WATER YEAR

The 2008 Water Year was a year of contrasts as far as precipitation is concerned. The water year started out with a whimper. Precipitation was scarce across the Division with just 0.48 inches in Durango from September 22, 2007 to November 23, 2007. A change in the weather pattern provided southwestern Colorado with one of the snowiest periods in many years. Over the next 88 days, from November 24, 2007 to February 25, 2008, Durango received 89 inches of snow containing 12.38 inches of precipitation. Just as quickly as the precipitation started it ended. The next 79 days, to May 14, 2008, less than 2 inches of snow fell and Durango only received 0.43 inches of precipitation. The weather pattern returned to a more normal summer pattern with the remainder of the water year receiving 7.84 inches of precipitation. Overall for the Water Year Durango received 21.52 inches of precipitation, ten percent above its normal of 19.52 inches.

Areas in Division 7 that do not have a large reservoir to rely on for irrigation water rely on snowpack. Snowpack was off to a poor start until the last week of November. SNOTEL data indicated that from November 23 to December 12 the basin accumulated 430 percent of the average snow water equivalent for that time period. By January 1, 2008 the snow pack was 129% of normal. This was the highest January 1 snowpack percentage since 1997 and the second highest since 1988. As the Natural Resources Conservation Service noted in the Colorado Basin Outlook Report of February 1, 2008 the theme for snowpacks during January in the San Juan Basin was "And the rich get richer". The February 1 snowpack water content was over twice the previous year's reading. The snowpack was tied with 2005 as the third highest snowpack water content since 1968. On both February 1 and March 1 the basin wide snowpack was 155% of normal. Unfortunately the April 1 snow water content remained essentially unchanged from the March 1 values. Basinwide, the readings were still above average at 126%. A warm, windy and dry April further served to reduce the snowpack in the basin. Snow water content dropped all the way down to 103% of normal by May 1. May continued the warm, windy and dry pattern that April had started. By June 1, snow water content dropped all the way down to 95% of normal. While this was a big disappointment with

the flows expected based on the March 1 forecast, there were enough cool periods in April and May to bring out the water at a rate that allowed most irrigators in the basin a good start to the irrigation season. All that was needed for a good crop was a return of the summer monsoon rains. While the monsoons did return to the area in the second week of July the moisture from them was scattered and, with few exceptions, light.

Due to a wetter than normal winter in 2007-2008, major reservoirs in the Division were able to maintain higher than average storage levels throughout the Water Year. Of major importance to the rafting community are the releases available out of McPhee Reservoir. Rafting in the Dolores River Canyon below McPhee Reservoir is a highly prized adventure available only in years with above normal snowpack in the Dolores River basin. The Bureau of Reclamation, in conjunction with the Dolores Water Conservancy District, was able to provide 71 days of above 800 cubic feet per second (cfs) flow as well as 21 days of above 1200 cfs flow. 800 cfs is considered the minimum raftable flow and 1200 cfs allows for larger rafts and wilder rafting. The Dolores Water Conservation District managed the reservoir releases to match inflows and topped off the reservoir on June 15 with 382,478 acre feet (AF). Lemon Reservoir filled to capacity on June 21. Vallecito Reservoir fell 3,118 AF short of filling when it reached its maximum storage of 122,282 AF on July 2. Reservoir releases made earlier in the runoff season dropped the reservoir all the way down to 33,138 AF in anticipation of snowmelt runoff. The Pine River Irrigation District underestimated the rapid drop-off in inflow that occurred the first week of July and the reservoir was left slightly short of filling.

Many of the critical smaller reservoirs in the Division, which are used for supplemental irrigation and/or domestic or municipal supplies, enjoyed good carry over storage to begin the year. Johnson Reservoir which has a decreed capacity of 1000 AF, and is filled with trans-basin water from the La Plata River, had carry-over storage of 708 AF to begin the season. The reservoir is a critical domestic supply for the Lake Durango Water Company. Red Mesa Ward Reservoir on the La Plata filled to capacity, or 1233 AF, at the midpoint of the La Plata River irrigation season on May 22. In the western part of the Division, Jackson Gulch Reservoir on the Mancos River filled on May 1 and remained full until June 28 before needing to make storage releases for the

irrigators. Totten and Narraguinnep Reservoirs in the McElmo drainage filled, and Groundhog and the Summit Reservoir system in the Dolores River drainage filled to begin the irrigation season. On the eastern side of the division, all of the reservoirs stored to capacity with one exception. Stevens Reservoir is still drained and work on the enlargement of the dam and reservoir is progressing.

The average monthly high temperatures recorded in Durango were cooler than the 30 year averages for seven months of the water year, December to February, May to July and September. Five of the seven months had well above normal precipitation. The average monthly low temperatures were above the 30 year average lows for eight months of the water year. A pattern of warm up-cool down from mid-April to mid-May kept most rivers well supplied with snowmelt water without producing flooding. A rainy period from May 22 to 24, 1.31 inches of precipitation in Durango, cooled off the high country and replenished what snowpack that was left. The warm/cool pattern returned and kept the snowmelt runoff at respectable levels until late June. The upper index for the La Plata River compact at Hesperus remained above 100 cubic feet per second (cfs) from April 20 to June 26 this year. June was very sunny and dry, the precipitation in Durango was just 0.24 inches, 31% of the 0.78 inch average. Scattered monsoon rains returned to the higher elevations in July and August. The rains were scattered and provided moisture relief in limited areas. The flow at the Animas River at Durango ranged from 157% of normal in March to 81% of normal in August. The water year total of 687,400 AF was 116% of the long term average and that ranked the 2008 water year as the 35th best out of the last 97 years. The snowmelt peak of 6,220 cfs on May 21 on the Animas River was due to near record highs on May 17 and 18 and a record high of 88° on May 19.

The warm spell in May was also evidenced all across the division. The runoff peak at the La Plata River at Hesperus gage, 389 cfs, occurred on May 21, a day earlier than the historic peak snowmelt runoff date of May 22. On the Dolores River, the daily peak runoff flow at the town of Dolores was 4,040 cfs also on May 21. The San Juan River at Pagosa Springs recorded an average daily peak flow of 2,870 cfs on May 21.

On the eastern side of the division, the Pagosa Springs area received well above normal precipitation for the months of December to February. The dramatic turnaround

in March resulted in just 0.06 inches of precipitation, 4% of normal for the month. The amounts recorded in Pagosa Springs were 0.41 inches (49% of average) in June, 4.05 inches (215% of average) in July and 2.69 inches (105% of average) in August.

On the western side of the division, the Cortez area received above normal precipitation for the months of December to February but those were the only months of the water year to have above normal precipitation. The dramatic turnaround in March resulted in just 0.10 inches of precipitation, 7% of normal for the month. The amounts recorded in Cortez were 0.31 inches (43% of average) in June, 1.07 inches (87% of average) in July, 0.47 inches (34% of average) in August and 0.62 inches (47% of average) in September.

All across the Division many of the irrigators on rivers and tributaries were able to hold off on calls until mid-June but they were not able to remove many calls until late in the irrigation season, if at all. As is the norm, the La Plata Compact was not without challenges this year and included a period when the number one water right in Colorado was totally shut off to meet New Mexico's Compact call.

SAN JUAN RIVER & TRIBUTARIES (NAVAJO, BLANCO & PIEDRA RIVERS)

Water Districts 29, 77, 78

As with the rest of Division 7, the eastern portion of the division began the season with below normal snow pack. The dry conditions did not ease until significant precipitation was received in late November. The snowpack came out very well, allowing irrigators an excellent early irrigation season with little to no flooding problems. A call was placed on Four Mile Creek on July 7 and was released on July 28. It was again placed from August 25 to September 3. A call was also placed this year, as they first did two years ago, by the Colorado Division of Wildlife for their water right in the Ford Ditch No. 1 on Devil Creek. The call required administration of decreed augmentation plans and substitute water supply plans upstream of the diversion. The call was released on August 22 due to the late monsoonal rainstorms. A call was also placed on a small tributary of Stollsteimer Creek on August 18th but it was determined that any water shut off above the calling structure would not reach the heading. The

San Juan-Chama project was able to divert 140,000 af to the Rio Grande basin in New Mexico during the 2008 water year, which is more than the long term average of 89,418 af and was the fifth highest in thirty-three years of diversion. Long-time Water Commissioners Bob Formwalt and Sherry Schutz were joined in early March by a new Lead Water Commissioner for the Pagosa Springs area. Pete Kasper came over from Division 4 and has jumped into administration on the San Juan River system with both feet.

ANIMAS RIVER AND FLORIDA RIVER

Water District 30

The heavy snowfall from December to February motivated the Pine Ridge Ditch Company to divert in March to store water in Lake Durango by diversions from the La Plata River but the snow in the ditch did not melt out, instead it froze and made a bigger mess when the ditch turned on later in the year. The reservoir did fill on May 21. The snow pack in the Animas River basin and its tributaries was above normal at the beginning of the irrigation season and a few well timed monsoonal rains beginning in July kept many of the ditches on tributaries that normally require administration to not place a call this year. These tributaries included Junction Creek and Lightner Creek. No calls were placed on Elbert Creek below Electra Lake. The Conley Ditch did not need to place a call on Elbert Creek this year as there was adequate flow for all of their decreed uses.

The Florida River basin began the irrigation season with good carryover storage in Lemon Reservoir. Lemon started the irrigation year with 22,000 AF in storage. The high snowpack allowed the reservoir to release flow above irrigation demands for twenty-seven days between Apr 18 and June 22. Storage in Lemon Reservoir, with a total capacity of 39,790 AF, went from a low of 21,382 AF on October 19 to full on June 21. The call went on the Florida River on June 26. Normally, the river is not on call until the first part of July, so administration of water rights began nearly a week early due to the lack of rainfall. The storage in Lemon dropped to an irrigation season low of 16,874 AF on October 7. The next day the irrigation call went off. The 2008 irrigation year was

an excellent example of the value of a storage project high in a basin for the management of limited, and sometimes unpredictable, water supplies.

PINE RIVER AND SIEMBRITOS ARROYO

Water Districts 31, 46

The precipitation received in the December to February period extended into the mountains above Vallecito Reservoir. In preparation for the anticipated high inflows the reservoir started releasing on February 12. The March 1 forecasted inflow of 300,000 AF for Vallecito Reservoir (capacity of 125,400 AF). Nearly 61,000 AF of water was evacuated from the reservoir by the time the reservoir reached its low point on April 16. The water released from Vallecito Reservoir was captured in Navajo Reservoir, which contributed to it being only 8% short of filling to its capacity of 1,701,300 AF during December 2007. The 1,497,400 AF in storage in Navajo Reservoir on December 10 was to maximum for the year. The lack of any major spring snowfall events contributed to a reduced May 1 forecast inflow of 240,000 AF. Vallecito Reservoir came close to filling on July 3 but was short by 3,118 AF. The demand for reservoir storage remained high for much of the irrigation year due to a lack of widespread monsoon rains. The call placed by the reservoir was removed on August 8.

LA PLATA RIVER

Water District 33

The snowpack as reported at the Columbus Basin snowtel site peaked at 35.3 inches of water on April 15. This was 127% of the average of 27.7 inches. With this good snowpack all that was needed was an extended runoff period that would allow Colorado to apply the maximum amount of water to beneficial use while still meeting its compact obligation to New Mexico. That is what occurred. The warm up/cool down periods allowed Colorado users to all turn on their irrigation ditches at least for a short time this year. This is a rarity on the La Plata River. The average date that all of the snow is gone from the snowtel site is July 2 and this year it was all gone by June 12. As is always the case, administration of the La Plata River was again a challenge this year. The lack of significant storage in this drainage, and the existence of an interstate

compact that requires changing daily deliveries, makes managing water deliveries even with an above normal snowpack difficult. New Mexico placed a call for up to 80 cfs for their compact deliveries on April 29, 2008. The hydrology of the river is unique, and can experience varying stream flow conditions from year to year. Due to the good early season flows along with a limited amount of monsoonal precipitation, the river maintained a hydraulic connection (wet river) through the entire reach in Colorado all year. This continued the trend that started last year. The number one water right in Colorado, the La Plata Irrigating Ditch, was totally shut off August 1-4, 13, 22-28 and September 8-9 to meet New Mexico's compact call. The total flow at the upper index gages was all of the way down to 8.1 cfs yet the river remained wet from Hesperus to the stateline. River conditions allowing for "split" river administration never occurred this year.

MANCOS RIVER

Water District 34

The snow pack in the Mancos drainage was also well above normal at the beginning of the irrigation season. Fortunately snowmelt occurred in such a pattern that irrigators were able to take advantage of the higher runoff. Most of the reservoirs on the Mancos River and its tributaries were able to fill. Jackson Gulch Reservoir, an offstream reservoir, first filled to its capacity of 9,977 AF on May 1 and was kept at that level until June 28. A call was made on June 26 and remained active on the Mancos River until October 6. Stricter accounting and administration of the E B Dude Ranch Augmentation Plan decreed in Case No. 00CW10 was again required this year. The Water Commissioner supervised the re-installation of a staff gage on one reservoir and ordered in and supervised the installation of 2 parshall flumes and one headgate. Problems were reported with the augmentation delivery pipeline. The owner was ordered to complete delivery pipe repairs by May 1, 2009. The accounting for the augmentation plan continues to be a problem. Receiving the spreadsheet data in a timely manner is the major accounting issue the water commissioner is dealing with. The Division of Water Resources has requested the accounting spreadsheet as per the

conditions of the decree but a dispute between the owner and his engineer continues to be a problem.

The Natural Resources Conservation Service (NRCS) Salinity Reduction Program continued to progress this year in the Mancos drainage with additional on-farm irrigation ditches being placed in pipe to reduce leaching of salts into the river.

McELMO CREEK, DISAPPOINTMENT CREEK, DOLORES RIVER

Water Districts 32, 69, 71

A full water supply was enjoyed by the MVIC users with sufficient return flows to McElmo Creek to keep the Creek from going on call. A court application, 99CW69, filed by the DWCD which will provide exchange water in the McElmo Creek drainage supplied from Totten Reservoir was finalized this year and Water Resources is engaged in discussions on the implementation of the plan with the District.

The NRCS was actively involved in several ditch lining projects in the McElmo Creek drainage that may have the potential to alter the return flow patterns.

Disappointment Creek provided above normal water supply and there was no call needed this year. Most of the small irrigation and stock reservoirs were able to fill and supply supplemental water as the natural stream flows dropped.

The Dolores River drainage did receive the large amount of early season precipitation as did the other drainages to the west. With fair carryover storage and the above normal snowpack, McPhee Reservoir was able to release raftable flows starting on March 27. The reservoir filled on June 15. A call for the in-stream flow water right of 78 cfs below McPhee Reservoir made last year for the first time in history by the Colorado Water Conservation Board (CWCB) but no call was placed for the 2007-2008 water year. A call would have resulted in many mining and exploration companies being required to obtain an augmentation agreement with the DWCD to continue their non-decreed pumping of water for exploration purposes. Storage releases and a bypass of river flow were made for the downstream water rights below McPhee, and for the Paradox augmentation plan and salinity control project on the lower Dolores River in Division 4.

STAFF SUMMARIES

IN THEIR OWN WORDS

DISTRICT 29 - SUMMARY – PETE KASPER - WATER COMMISSIONER

I was very thankful to find an abundant snow pack when I started this position in March of 2008. I did not want to be the “new guy in Town” in a dry year. Although the heavy snow pack could have caused flooding, the run-off was very controlled thanks to perfect spring weather.

Water was plentiful in all streams until the first part of July. On July 2, a call was placed on Devil’s Creek (District 78) which lasted until DOW removed the call on July 25. Four Mile Creek in District 29 went on call on July 7. Increasing rains in late July allowed this call to end. There was also administration on the Rito Blanco with the Echo Ditch and downstream users.

Many of the pumps on the Lower San Juan River did not operate this year. Change in ownership of parcels and the high cost of fuel seemed to contribute to the decline in irrigation. Another issue on the Lower San Juan was the accounting of water in the Carr Ditches, both ID 555 and 900. An additional parshall flume was installed at the lower end of the Southern Ute section so ID 555 could receive full credit for water diverted.

Pagosa Area Water and Sanitation District (PAWSD) and the San Juan Conservancy District continued with their efforts to provide additional water storage. PAWSD completed their enlargement of Steven’s Reservoir, adding 1000 acre feet to its capacity. There will be limited storage next year until the wetlands mitigation is complete. The water rights for Dry Gulch Reservoir are still in the court process, but most of the land has been secured for the Reservoir.

There have been issues surrounding the geothermal well of the Town of Pagosa Springs and how they manage their “waste” water from their well. Two letters have been sent by the Division of Water Resources asking the Town to comply with their well permit, primarily over limiting their usage to the amount necessary for the heating system and the discharge of the return flows. Hopefully these issues will be resolved soon.

I would like to thank to all of Division 7 for their help in getting the “new guy” acquainted with his new surroundings. Very special thanks to Sherry Schutz, Bob Formwalt, Bob Daniels, David Hofmann, Melissa Schneider and Scott Brinton.

DISTRICT 30F – SUMMARY – TOM FIDDLER - WATER COMMISSIONER

Relatively high snow pack at Stump Lakes above Lemon Reservoir made for a relatively easy start for the water users on the Florida for the 2008 water year, despite a dry March. The 2008 water year started with Lemon Reservoir carrying over 22343 AF, which is about 55% full. The stock run started on November 11 and ran water through November 19 and released about 783 AF. Spring snow pack peaked in the Stump Lakes drainage area on April 18, 2008 with 26.8” of snow water equivalent and was 120% of normal. High snow pack levels forced water to be evacuated from the reservoir for flood control and USBR operational standards for reservoir management. On April 18 dam operations began releasing water from Lemon Reservoir for flood control and early irrigators. At this time the reservoir was holding 26,056 AF of water. Spring runoff filled Lemon Reservoir to a peak of 40,084 AF on June 25. The major irrigation ditches began diverting the releases from Lemon Reservoir on May 12 and the Florida River was placed on-call June 26 by the Florida Farmers Ditch. The call lasted until October 8. Moderate rains in July, August, and September added 9.4” of rain to the basin took the Florida off-call for a total of 2 days during the call period. The river was placed off-call on October 8. The total period of time that the Florida was on-call was 102 days. Lemon reached a low after irrigation of 17225 AF on October 8 and by October 31 Lemon Reservoir was at a level of 18221 AF. Carry over storage for next year looks good, as the Reservoir was approximately 45% full.

Most of the summer saw a low priority level of F-23/F-24 decreed to the Florida Canal and the Florida Farmers Ditch. F-17 was the lowest priority reached this summer and is decreed to the Florida Farmers Ditch.

Ten structure orders were issued for the installation of measuring devices mainly for augmented wells, in the Florida drainage area that required attention in 2008.

Once again this water commissioner had a relatively quiet year on the Florida. The diversion structure GPS program is going well and will continue until completed.

DISTRICT 30A – SUMMARY – JEFF TITUS - WATER COMMISSIONER

A series of storms to start 2008 resulted in snow pack averages around 175% of average to start the year. The snow survey in January had to be cancelled due to extreme avalanche danger in the La Plata Mountains. We started runoff on the Animas with just above average snow pack. A call was placed on Upper Elbert Creek by Xcel Energy and Lower Elbert Creek was placed on call by Tamarron. The construction of Ridges Basin Reservoir (ALP) approached 100% completion and pump testing is scheduled for early 2009 and filling of the reservoir to commence in spring/summer 2009. It is anticipated that the reservoir could be filled as early as fall 2010. With the retirement of Bob Becker (Mancos River), the Deputy Water Commissioner Wally Patcheck took on the task to assist filling in due to his absence. Snow pack averages at the end of 2008 were 136% of average bringing anticipation of another above average run off.

DISTRICT 31 & 46 – SUMMARY– DAVID HOFMANN - WATER COMMISSIONER

The winter of 2007-2008 did have a good snow-pack which kept administration from taking place until July 6 on the Pine River. Vallecito Reservoir topped off at 123,100 Acre Feet which allowed the Pine River Irrigation District (PRID) water users a 97% supply of storage water. There was not much rain during the summer, and by the end of the irrigation season the capacity was around 63,500. The trans-mountain diversions diverted 1,074 acre-feet of water into the Rio Grande Basin. All in all it was a good water supply year on the Pine. As for Water District 46, San Britos Arroyo, the decent water supply on the Pine allowed for good return flows and water supply in this district.

Vallecito Reservoir's junior fill and in-stream-flow filing were a major issue on the Pine again this year. This filing by PRID, CWCB and the Southern Ute Indian Tribe, and PRID's other filing to define and/or expand their service area dominated the Pine River drainage discussions. Many meetings took place over the year trying to resolve several of the larger issues concerning these applications. Currently the cases are still in the analysis stage and could take quite some time to come to a consensus. Another major

issue on the river is winter time stock flows. Seven cases are currently pending a determination of the water court as to whether the earliest court cases on the Pine (CA1248 & B) already decreed wintertime stock use.

DISTRICT 32 – SUMMARY – MARTY ROBBINS - WATER COMMISSIONER

The McElmo Drainage had a good irrigation season resulting in no stream calls. Due to the retirement of Bob Becker in Water District 34 the Mancos River an administrative district we have devoted a lot of time from Water District 32 and Cortez Office to Water District 34 for coverage on the Mancos River.

Water District 32 has had 5 New Water Rights filings, 4 Due Diligence cases, 2 Conditional to Absolute cases, 2 Change of Water Right cases and 2 older cases still in court to be settled on. Numerous Notices of Intent to Impound were processed and continue to be of controversy in the administration of water rights in this district.

One major court case 99CW69 from DWCD that allows an exchange plan from Totten Reservoir in Water District 32 and McPhee Reservoir in Water District 71 was signed by the Division Seven Water Court Judge in March of 2007 enabling permitting of wells, pond evaporation and irrigation in Water District 32 to take place when the system is on call once the infrastructure is put into place.

DISTRICT 33 – SUMMARY – MATTHEW SCHMITT – WATER COMMISSIONER

The year started with a dry fall which continued to the New Year. On January 6 and 7, we received a very good snow storm and a few more storms in February and March gave us almost a normal snow pack.

A colder than normal spring made for an erratic and sparse runoff. Early concerns of a heavy runoff in lower elevations prompted reservoir outlet and spillway inspections and some releases. Small or nonexistent runoff on the La Plata had the Red Mesa Resv. struggling to fill and spill. The cold spring also caused the junior ditches (#58 Treanor Ditch and lower) to have very short runs of water and some senior ditches to extend their normal runs.

Late spring and summer months were dry but good return flows kept the river live and out of a “futile call” situation. The futile call or rotation was contemplated on four

different occasions in August and September but never materialized. The fall was dry and we ended the water year “on call”.

Beaver ponds on the main stem of the La Plata became an issue and took a lot of time and effort to address. Dams were removed by B.O.R. for a temporary fix but long term solutions are illusive. Other owners were contacted but little action resulted. Ditches with #57 priorities and above had good hay crops. Wheat was marginal to poor. Pasture was generally adequate to poor due to lack of rain.

My dad said this is a good “next year” country and I believe he was right.

DISTRICT 34 – SUMMARY – MARTY ROBBINS & WALLY PATCHECK – WATER COMMISSIONERS

Comparative to the average snow pack for the Mancos water shed was as of January 153%, February 166%, March 162%, April 123%, and May 53% allowing the Mancos River users to divert flood waters until June 26, 2008.

The most senior water right to be curtailed east of Mancos was Priority No. 1893-6 in the Webber Ditch, Lee Ditch, Ratliff & Root Ditch and the Smith Ditch and the most senior water right curtailed west of Mancos was Priority No. 1893-7 in the Veits Ditch and the Henry Bolen Ditch, due to return flows and inflows from other tributaries.

Jackson Gulch Reservoir was able to divert a maximum of 112.0 cubic feet per second (cfs) through its inlet canal on April 24, 2008 for storage. The Jackson Gulch Reservoir was able to fill to elevation 7825.605 with the storage content of 10082 acre feet, storing a total of 4563.0 acre feet and providing share holders approximately 7115 acre feet from storage.

Due to the retirement of Robert Becker on July 31, Wally Patcheck and I were appointed to administer the Mancos River. We found it quite challenging due to the new salinity pipeline projects that were put into place over the last several years. We will be working towards fixing some of the bugs that have hindered the administration of the Mancos River due to the subsequent piping of the historic open ditches and the changing of the return flow patterns.

DISTRICT 69 & 71 – SUMMARY – DENISE MILLER – WATER COMMISSIONER

District 69, Disappointment Creek saw an uneventful water year. No new water filings, but the largest reservoir (Belmar) in the District, was put under a storage restriction due to excessive upstream erosion.

District 71, the Dolores River and her tributaries yielded 316,385 Acre Feet of inflow to McPhee reservoir hitting 141% of average snowpack by April 10. In anticipation of the high runoff, the controlled spill out of McPhee started on March 6, 2008. The peak release of 1,970 cfs was conquered by the boaters and rafters in the third week of May. The spill ended on June 25 as irrigation demands exceeded the inflow.

Changes of interest below McPhee reservoir include reactivating the “Slick Rock” gaging station on the lower Dolores River. CWCB funded the installation cost and other Dolores River Dialog members contributed to the USGS operation costs. The reinstatement of this gage will expand the river flow information for administration and recreation on the Lower Dolores River.

DISTRICT 77 AND 29, SAN JUAN CHAMA PROJECT - SUMMARY – SHERRY SCHUTZ WATER COMMISSIONER

Another great start to the year with lots of moisture in winter and spring. Then from March to the end of July was extremely dry! The end of July and first part of August the rains finally came and had good moisture on into the fall. The heavy rains caused lots of flooding in the Upper Blanco again this year and also on the Little Navajo River washing out quite a few ditches.

The McMullen Ditch placed a call on Oil Well Creek mid-summer and lasted until the good rains started.

Fall and winter put lots of moisture in the ground and ended 2008 in good shape.

DISTRICT 78 & 29 – SUMMARY – BOB FORMWALT - WATER COMMISSIONER

The irrigation and water usage year of 2008 started with a very good snow pack at all elevations of the upper and easterly portions of the San Juan Basin.

Late January and February brought near record levels of snow in the Piedra and Upper San Juan drainages resulting in adequate water supplies during the whole irrigation season. No river calls were placed anywhere within my jurisdiction.

Structures along the Weminuche and East Fork of the Piedra suffered moderate to severe damage due to snow melt runoff. The San Juan also had several structures that suffered damage during the spring runoff. Structures in particular were the Barns Meuser and Shaw, the JCR Ditch the JCR Alternate Point, Snowball, Mesa, Flaugh Ditch, Girardin, Park Ditch, Masco-Masco, Murphy, Falls Creek #2, and the Lane Creek Ditch.

Most noteworthy events that created problems for diverting structure were landslides on the Snowball, Park Ditch and the now famous East Fork slide. The East Fork slide impacted the most ditches because of its massive size and the blockage of the East Fork Road until late summer. Even though the East Fork road was open to very limited traffic, it was in October before the Forest Service would allow any traffic beyond the slide, therefore no equipment could reach the ditches in East Fork valley. The second most troubling slide was east of Pagosa Springs four miles which partially blocked US Highway 160 and threatened the Park Ditch.

Once we got past the snow melt problems, water diversion went pretty smooth until heavy rains hit in August and more damage was suffered by the Snowball, Park, Masco –Masco, Hossack AP, Mesa and Snowball Extension ditches. Other events were the changing of duties for this Commissioner with the filling of Val Valentine's vacated position with Peter Kasper and more court cases for Bootjack and several small water claims.

At this writing, there is 37 inches of snow on the ground in Pagosa Springs and it is still snowing and blowing. Looks like another good snow pack coming up for 2009.

HYDROGRAPHIC REPORT – SUMMARY – BRIAN BOUGHTON

Lead Hydrographer, Brian Boughton, PE II, provided overall program leadership of the Division 7 Hydrographic Program during 2008. He was supported by Hydrographic Engineer, Cheston Hart (EIT I), Water Commissioner Sherry Schutz (EPST II) and part-time hydrographer (EIT II) Jason Morrow. Water Commissioner Val

Valentine provided support in Water District 29, retired in August 2007. Pete Kasper (EPST II) joined the Division 7 staff in March 2008 and will provide support in Water District 29.

Each of the Division 7 hydrographers and water commissioners were assigned work with specific stream gage stations and geographic areas. The Division 7 hydrographers and water commissioners provided support for the other, outside of the assigned geographic area when needed. Cheston Hart was assigned to District 29, upper end of 30, 31 and 77. Sherry Schutz (Water Commissioner District 77) provided measurements for the LITOSOCO stream gage. Brian Boughton was assigned to lower end of District 30 and all of District 33. Jason Morrow was assigned to District 32, 34 and 71. Hydrographer routine work includes responsibility for regular streamflow measurements, gaging station operation and maintenance, satellite monitoring equipment operation and maintenance, support water commissioners with flow measurements on ditches and the complete development and computation of streamflow records. Water commissioner routine work includes responsibility for regular streamflow measurements and gage station operation and maintenance.

Streamflow Records and Measurements

Division 7 hydrographic staff will complete 23 streamflow records for WY2008 for publication in the DWR Annual Streamflow report. Two of these streamflow records are also published by the US Geological Survey in their Annual Water Resources for Colorado Data Report.

During 2008, Division 7 hydrographers made 185 discharge measurements at stream gages and 70 discharge measurements on canals and diversion structures. Water commissioners in Division 7 made 16 river measurements.

Stream Gage Improvements

During the water year, Division 7 hydrographers completed the following stream gage projects:

Stream Gage Refurbishment:

Rio Blanco at the Mouth near Trujillo: In late spring of 2008 the existing gage site was abandoned and the equipment was relocated to the new gage location.

Navajo River at Banded Peak Ranch: The existing bank operated cableway was removed and a new and improved bank operated cableway was installed.

Long Hollow Creek near Red Mesa: The existing stilling well and shelter is a wood structure. Part of the wood stilling well that faces the creek rotted away and was replaced with new pressure treated 2" X 6" lumber in 2007. The remaining walls of the wood stilling well rotted away and were replaced with new pressure treated 2" X 6" lumber in February 2008.

La Plata River near Breen: Bonds Construction placed rip-rap below the concrete ramp flume to keep river flows from eroding the banks.

La Plata River below Mouth Cherry Creek: Bonds Construction placed rip-rap below the concrete ramp flume to keep river flows from eroding the banks.

New steam gages:

East Fork San Juan River near Pagosa Springs: Division 7 personnel refurbished an abandoned USGS gage and installed satellite telemetry to monitor gage height record. A large landslide approximately 3 miles upstream of the gage was moving at a rate of 3 to 5 feet per day and threatening to dam the river. Real-time data was used to monitor change in stage in the river and to provide an early indication of a catastrophic failure in the slide.

High Data Rate DCPs:

Division 7 operates 53 active gage location which amounts to 40 active satellite gages, 34 of which are high data rate radios that transmit on an hourly basis.

Other activities conducted by Div. 7 hydrographic staff during WY2007 includes:

A transit loss study was performed on the Hay Gulch Ditch in District 33.

A transit loss study was performed on the Trails Canyon drainage area in District 32.

SUBDIVISION REVIEW – SUMMARY – BRIAN BOUGHTON FOR CHESTON HART

This year there were 60 Projects reviewed by this office including all minor exempt subdivisions, boundary adjustments, and adding of additional dwellings. Comments were also provided to our Denver office Team 237 for all subdivision proposals in Div 7.

WELL INSPECTION – SUMMARY – DOUG PICKERING

The well inspection program was instituted for the protection of groundwater resources and public health through enforcement of the Rules and Regulations for Well Construction and Pump Installation. Specific duties include inspection of well construction and pump installation; complaint investigation; education and outreach; monitoring/observation hole/well construction; well and hole plugging and abandonment; and support to the State Engineer and Board of Examiners.

During 2008, the inspection program in southwest Colorado performed approximately 207 well construction and pump installation inspections; 68 spot checks of contractors and well permits; 11 investigations of licensed contractors or problem investigations for contractors; 18 investigations of owner installations or problem investigations for well owners; 7 miscellaneous contacts with owners and contractors; and 3 investigations of unlicensed contractors. The well inspector has also provided education through meetings with contractors, plumbers and plumbing regulators, and electrical inspectors. The well inspector is also available to answer questions regarding well construction and assists at the Division office.

One of the key roles of the inspection program was to locate unlicensed contractors working in the state and ensure that they were stopped. No unlicensed well construction contractors were discovered; however, a few unlicensed contractors were found to have worked on pumping equipment. Those unlicensed contractors were informed of the rules and ordered to discontinue such work.

DAM SAFETY ACTIVITY – SUMMARY

In 2008, the dam safety inspection workload was unusually heavy for the Division 7&3 Dam Safety Engineer. Two factors contributed to the heavy workload. The first

factor was that 2008 marked the first full season for which the Division 7&3 Dam Safety Engineer position has been filled since the departure of Dennis Miller in 2006. The second factor that contributed to the heavy workload was that a high proportion of the Low Hazard dams in Divisions 7&3 were inspected in 2002; consequently they were due for inspection 2008. The 2008 season also marked the first year for the Branch-wide implementation of the risk based approach to determining inspection frequency. In all, 39 official inspections were conducted in Division 7 with numerous other site visits and follow-ups.

There are currently 23 High Hazard dams in Division 7, an increase of three dams since last year. The three dams added to the list are Red Mesa Ward Dam, Stevens Dam and Ridges Basin Dam. The increase of hazard classification of Red Mesa Ward Dam was the result of a hazard classification evaluation, as opposed to Stevens Dam and Ridges Basin Dam, for which construction was completed in 2008. Of these 23 dams, 18 of the structures are routinely inspected by the DWR, and the remaining 5 structures are routinely inspected by the United States Bureau of Reclamation. Based on the RBPS scores, 13 of the High Hazard dams were due for inspection in 2008. In all 15 High Hazard dams were inspected during 2008, including all 13 that were due. Additionally, several construction inspections were conducted on the Stevens Dam.

There are 22 Significant Hazard dams in Division 7. Of these 22 dams, 21 are routinely inspected by the DWR, and the remaining 1 dam is routinely inspected by the Bureau of Indian Affairs. During the 2008 season, 13 of the 21 Significant Hazard Dams were inspected.

Of the 55 Low Hazard Dams in Division 7, 11 were inspected during the 2008 inspection season. The Table below summarizes the total number of inspections by Hazard Classification.

Number of Division 7 Inspections by Hazard Classification for 2008 Season

Hazard Classification	Number of Inspections
High	15
Significant	13
Low	11
TOTAL	39

Currently there are 7 dams in Division 7 that are under storage restrictions. This represents an increase of 1 dam over the previous year. The dam that was added to the restricted list is Belmear Lake. The restriction of Belmear Reservoir to 3 feet below the spillway crest resulted in a loss of storage of approximately 90 Acre-Feet.

Work was performed on two Minor, Low Hazard Dams that were under storage restrictions. Specifically, these dams were the LA Bar Dam and the Bishop Dam. In both cases, spillways were cut down. The LA Bar spillway was lowered to provide the minimum 3 feet of freeboard, while the Bishop spillway was lowered to make the dam non-jurisdictional. Pending follow-up inspections in 2009, it is anticipated that both dams will be removed from the restricted list; however this will not result in the re-capture of any storage due to the nature of the modifications.

Notable milestones achieved by the Dam Safety Branch in 2008 included the finalization of the Basin Response Study, which was developed for the Dam Safety Branch by hydrologist George Sabol. The study provides guidance for determining modeling parameters used to convert rainfall to runoff, particularly in high elevation watersheds. In addition, the Extreme Precipitation Analysis Tool (EPAT) continues to see more widespread use by Branch members and consultants alike. The completion of the Basin Response Study and the growing consensus for the validity of EPAT results has led to the lifting of the long-standing moratorium on hydrologic evaluations for watersheds above 7500 Feet in elevation. Branch-wide efforts to assess spillways on dams above 7500 Feet are currently underway. Other notable achievements include the drafting of guidance documents for Hazard Classification and Dam Breach modeling, both of which will be finalized in 2009.

EVENTS OF 2007-2008 WATER YEAR

RECREATIONAL IN-CHANNEL DIVERSION

The City of Durango filed an application for a RICD the end of February of 2006 in Case No. 06CW9. The claim is for a year-round water right for five different structures located within a ¼ mile reach of the Animas River just above the intake for the Animas-La Plata Project. The flows requested range from a high of 1400 cfs for a two week period in June, to winter time flows of 185 cfs. The RICD flows are being requested for 12 hours during the day, for 365 days a year. There were over 50 objectors in the case and included the Southwestern Water Conservation District (SWCD), La Plata and San Juan Counties, Town of Silverton, Colorado Water Conservation Board (CWCB), Division of Water Resources, United States government for the Bureau of Reclamation, and numerous canal and ditch companies. The original trial dates of May 14-25, 2006 were vacated due to discovery difficulties, and the two week hearing had been set to begin on January 7, 2008. Extensive discussions and negotiations continued throughout the 2007 Water Year and final decrees for the Durango RICD (06CW09), La Plata County (06CW99) and the SWCD (06CW127) applications were granted on November 30, 2007. The RICD decree allows for 500 AF of subordination to any additional decrees entered between February 23, 2006 and December 31, 2011. The La Plata County decree is for a total of 9 cfs of depletions with alternate points of diversion to the county line for the Animas River and two of its tributaries with use limited to lands within La Plata County. The original application by the SWCD was for a future development allocation in the amount of 30,000 AF. La Plata County joined the SWCD in their case and the final decree granted is based on depletions with limits based on time periods similar to the RICD's. Yet this was not the end of the process that started when Durango filed for its' RICD. There were over 50 new applications filed in 2005 and 2006 in response to the RICD application by Durango and this office continues to work on these cases. Included in these applications were filings by San Juan County and Silverton. Many of the new applications filed in response to the RICD have generated a number of Statements of Opposition as well. The main-stem of the Animas has not had a call that has been administered and is currently

considered to be non-critical for the purposes of well permitting. The City of Durango's engineering reports show that the RICD could call for water potentially making the Animas River above Durango water critical.

COALBED METHANE WELL ADMINISTRATION

There was a significant order issued by Judge Lyman this year regarding water as the by-product of Coal Bed Methane (CBM) production. The Vance's and Fitzgerald's (plaintiffs) asked the Court, in Case No. 05CW63, to "ascertain the statutory obligation of the State Engineer to require well permits and augmentation plans when ground water, which is hydraulically connected or tributary to the surface streams in which Plaintiffs hold water rights, is diverted in the course of coalbed methane ("CBM") production." The State Engineer (Defendant) and BP America Production Company (Defendant-Intervener) asserted that "water extracted in the process of oil and gas drilling is "produced water" over which the State Engineer has no jurisdiction". The judge found that the Motion for Summary Judgment filed by the plaintiffs should be granted and that the Motions for Summary Judgment filed by the Defendants are denied. The State requested a stay in the implementation of the Judge's decision pending appeal and that stay was granted. The State Engineers Office then appealed the decision to the Colorado Supreme Court. Oral arguments were held before the Court on September 10 and no decision has yet been released as of April 1, 2009. The decision is expected to have major impacts across the state depending on which way it goes.

ANIMAS-LA PLATA PROJECT

It was a busy year for litigation as well as construction for the Animas-La Plata Project (ALP). A hearing was held in April 2006 for Case No. 01CW54, which was a request for continued diligence for the water rights associated with the ALP project. The water rights are held by the Southwestern Water Conservation District (SWCD), but other project proponents that participated in the hearing included the State of Colorado, the United States government representing the Bureau of Reclamation and the Bureau of Indian Affairs, the Southern Ute Indian Tribe, and the Ute Mountain Ute Indian Tribe.

The primary objector in the case was the Citizens Progressive Alliance represented by Allison Maynard. Diligence was granted by Judge Lyman in the case. Citizens Progressive Alliance filed an appeal with the Supreme Court as Case No. 06SA388. The appeal was dismissed on July 3, 2007 with the statement "Opening brief filed on June 25, 2007 is late and not accepted for filing by the Court". The judge did require the applicants to file for a finding of reasonable diligence by August 2007. The application was filed and diligence was granted on January 16, 2008 after the concerns of one objector were addressed.

A second hearing was held the week of August 7 regarding the change applications filed in 02CW85, 02CW86, and W-1603-76F and 76J for a change in the Tribal Consent Decrees to bring the decrees into compliance with the 2000 Settlement Act signed by Congress. The parties to the cases were the same as in the diligence case; however, the applicant was the United States. The change was granted by the court. Citizens Progressive Alliance appealed the Judge's decision to the Supreme Court as Case No. 07SA100. The Colorado Supreme Court affirmed the water court's decision on October 2, 2008, denying CPA's appeal (07SA100). CPA moved for reconsideration, which the Court denied en banc on November 3, 2008. The amended tribal decrees, conforming the two Ute Tribes' reserved water rights to the amended Ute Water Rights Settlement Act, are therefore final.

A significant amount of construction progress was made on the Animas-La Plata Project in 2007-2008. The total project, including the Navajo Nation Municipal Pipeline, was approximately 67% complete by January 1, 2009. Ridges Basin Dam, which will store water in Lake Nighthorse, was 'topped out' in November 2007. The completed height of the dam is 275 feet. The total cost of the project is now estimated to be over \$500 million, and the annual funding by Congress continues to be a concern. Due to on-going lobbying efforts, and the shuffling of funds within the Bureau of Reclamation's funding allocation, the pumping plant was completed and it is expected to start diverting in spring 2009.

SAN JUAN NATIONAL FOREST MANAGEMENT PLAN REVISION

The combined offices of the Forest Service and Bureau of Land Management released the Draft Land Management Plan (DLMP) and Draft Environmental Impact Statement (DEIS) for public review on December 14, 2007 after several years of work. The San Juan Public Lands Center hosted a series of meetings around the region in February and March to assist the public with understanding the documents and submitting comments. The San Juan Public Lands Center received more than 18,000 public comments during the comment period, which closed on April 11, 2008. During the comment period significant, new information surfaced regarding the potential for oil and gas development. After reviewing the information, the San Juan Public Lands Center determined that it was necessary to publish a Supplement to the DEIS. The Supplement will include and analyze the consequences of the new development projections for oil and gas leasing and include a more rigorous air-quality modeling study, as requested by the Environmental Protection Agency.

The Government to Government water round table meetings ramped down in 2008 to just one meeting. Due to efforts of the San Juan Citizen's Alliance and the Southwestern Water Conservation District (SWCD), a spin off committee has been formed to look at alternative protection measures to Wild and Scenic designation for a number of rivers in the southwestern part of the state. This "River Protection Workgroup" includes representatives on the steering committee from: the SWCD, San Juan Citizen's Alliance and environmental representatives, CWCB, CDWR, San Juan National Forest, Southern Ute Indian Tribe, representatives from Senator Salazar's office and representatives from Representative Salazar's office. The group elected to start the process with Hermosa Creek. Monthly public meetings and Board meetings have been held since April 2008. The group anticipates selecting other rivers to work on in spring 2009.

LONG HOLLOW RESERVOIR (LA PLATA RIVER)

Progress has been slow in obtaining an Army Corps of Engineers 404 permit to move forward with the design and construction of Long Hollow Reservoir on a tributary to the La Plata River. A Memorandum of Understanding (MOU) between the Colorado

Division of Wildlife, CDWR, and the La Plata Water Conservancy District (LPWCD) intended to protect the Roundtail Chub population below the confluence of Long Hollow and the La Plata River was signed by the parties in mid-May 2007. A Memorandum of Agreement (MOA) between the LPWCD and the CDWR was also signed off in May 2007. It was hoped that with the signing of these two documents that the 404 permit process would move forward quickly but that has not been the case. The capacity of the proposed reservoir is 5,400 AF, with the first 300 AF being dedicated to a Compact pool to assist with deliveries during periods of “split river” administration. The remaining pool in the reservoir will be used for irrigation purposes in Colorado ditches by exchange.

DIVISION OFFICE ISSUES AND ACTIVITIES

Water Division 7 saw quite a change in staff in water year 2007-2008. Val Valentine, Lead Water Commissioner for the Pagosa Springs area, which includes Districts 29, 77 and 78, retired on August 31, 2007 with over 22 years of service to the state. Val’s leaving left a big hole to fill in the Pagosa Springs area. Additional time was obtained and the two part-time water commissioners in the area, Sherry Schutz and Bob Formwalt, filled in to cover the duties of the District 29 commissioner. Pete Kasper, a part time water commissioner from Division 4, was hired to be the lead water commissioner for the Pagosa Springs area. He started on March 1, 2008.

The biggest change in Division 7 personnel in 2007-2008 would have to be the decision by the Division Engineer to accept employment elsewhere. Bruce Whitehead, Division Engineer since December 1, 2005 and Assistant Division Engineer from July 1993 to November 2005, left state employment to become Director for the Southwestern Water Conservation District. Bruce’s last day with the state was October 31, 2007.

The process to replace the Division Engineer proved to be an arduous one. It was not until July 7, 2008 that Rege Leach started as the Division Engineer. Rege brings over 30 years experience with the Bureau of Reclamation with him to the Division Engineer’s job.

Cheston Hart, hydrographer and augmentation coordinator for Division 7, left at the end of October 2008 for a job as a hydrographer at the upper reaches of the Arkansas River in Division 2.

While not directly a Division 7 personnel issue, the other big change was the retirement of the State Engineer, Hal Simpson, at the end of May 2007. Hal had been State Engineer since July 1992. Dick Wolfe was appointed to the State Engineer position at the end of November 2007.

For Fiscal Year 07-08, the Division 7 budget was once again managed closely based on projected monthly expenditures throughout the fiscal year. The total spending authority including both primary and secondary funds was over spent by \$2,720. The large amount is primarily due to end of the fiscal year financial moves by the Denver Office to balance out the overall division budget. Increased costs in both personal vehicle mileage reimbursement and State Fleet mileage charges continued to be a concern this year. Being able to retain and operate Fleet vehicles which were replaced and scheduled for return was a big help in offsetting these increased mileage costs. During the 2008 Calendar Year, 94 new applications were filed with the water court. This is a decrease of 10 applications from 2007. There were 73 consultations with the court, a decrease of 49 from the previous year, 106 decrees were entered by the Court, an increase of 14 over last year. A total of 232 water rights were addressed by the court, an increase of 61 from 2007. 63 Statements of Opposition were filed with the court for the new 2008 cases. The Division Engineer continued to work closely with the water court and with water rights applicants, in trying to settle cases without going to hearing.

The number of well permits issued showed a dramatic drop from the previous year. A total of 429 were issued in calendar year 2007 and only 244 were issued in 2008. Of the 244 issued, 175 permits were issued by the Division 7 staff and 69 were issued from the Denver office. Technology was a key part of the well permitting process using GIS applications to accurately identify locations and legal descriptions, and to assist in determining the types of well permits that could be issued. Jeff Titus and Lori Torikai worked closely together on a pilot project to convert 35-acre mapped parcels dedicated to well permits to digital format for use in GIS applications. There were

approximately 1400 historically mapped parcels for Water Division 7, and Jeff has successfully converted all but about 100 of these to digital format. All new 35-acre tracts dedicated for the purpose of well permitting will be maintained electronically. Jeff and Lori are to be commended for their efforts, and Division 7 has once again set the bar high for others that will be involved with this project in the future.

The well inspection program has been successful in insuring compliance with the Rules and Regulations for Well Construction and Pump Installation Rules. The well inspector for the division, Doug Pickering, has done an excellent job of building a level of trust with the well contractors and pump installers that work in this area of the state. About 207 well construction and pump installation inspections were performed during 2008, including 68 spot checks of contractors and well permits and 29 inspections or investigations to address well owners concerns or allegations. The division staff continues to work closely with representatives from county planning, particularly La Plata County, to assist in addressing water supply questions and issues for land use decisions.

415 additional UTM coordinates were obtained for structures using GPS technology during 2008. While many of the Water Commissioners participated in the project for their area, David Hofmann and Bob Daniels continue to coordinate the project. The division is thankful for all of the technical GIS and GPS assistance that David and Bob have provided.

Recognition of the employees of Division 7 and the San Juan/Dolores River Basin water user community is a gratifying but difficult task. Both groups are very progressive in their thinking, and it is a struggle to identify one or two individuals that are to be recognized as the best of the best for a particular year. After a considerable amount of deliberation the honors were awarded to Jeff Titus (Animas River and Well Commissioner) as Water Commissioner of the Year and Hal Pierce (Pine River Irrigation District) as the Water Manager of the Year.

UPCOMING YEAR

PRIMARY ISSUES OF INTEREST IN THE BASIN

As of April 1, 2009, the snow pack for the basin was 86% of normal, down from the March 1 reading of 106% of normal. The snow course values obtained for the La Plata and Mancos snow courses maintained by our office were at 80% of normal the first part of April. Vallecito, McPhee and Navajo Reservoirs are planning on releasing water to make room for the anticipated inflows but not until May. Unless we have an unusually wet spring, below normal runoff is likely and several river basins without reservoir storage can look forward to an early call and strict water administration. Hopefully SW Colorado will have a monsoon weather pattern this summer similar to what was experienced in 2006 to supplement the meager snowpack.

Other issues that will continue to be priority topics for involvement by Division 7 staff in 2009 are as follows:

1. Recreational In Channel Diversion (RICD)

The decree for a RICD water right on the Animas River filed by City of Durango has now been granted, now implementation of the provisions of the decree will have to be dealt with. The other big question is the administration of the Animas River above the RICD. It is going to be a difficult transition to move from a basin that has never had a call to one that will have to be administered.

2. Revision of Forest Management Plan

The San Juan Forest and BLM Management Plan was originally available for public comment until mid-April 2008. New information derived during that comment period concerning oil and gas development led the Forest Service to delay publication of the Plan while a supplement was developed to address the oil and gas development concerns. A final land management plan is not anticipated until Spring 2010. Although the government to government water roundtable group has raised a number of concerns and issues, it is still not clear at this point how many of the concerns will be addressed in the final plan.

3. Interbasin Compact Committee Roundtable Discussions (HB 1177, SB 179)

Basin roundtable discussions for the San Juan, Dolores and San Miguel basins will continue into 2009. Two projects from Southwestern Colorado were given preliminary approval for funding designated for water projects in SB 179. Dry Gulch Reservoir in the Pagosa Springs area was conditionally approved for the use of a grant from the funds designated for statewide projects, and the Goodman Point Water System in Montezuma County was conditionally approved for the use of “basin” funds. Both of these projects will require additional work by the Southwestern Basin Roundtable group, and other projects from this area are being proposed for consideration by the roundtable. John Porter (Dolores River) and Steve Harris (La Plata) are the IBCC representatives designated from the Southwestern Roundtable.

4. Animas-La Plata Project

Construction of the Animas-La Plata Project is moving forward at a rapid pace. Topping off of the dam has occurred and the pumping station is expected to be up and testing in early 2009. As construction nears completion, many issues regarding administration and accounting of project diversions and/or allocations will need to be addressed. The complexity of the project is underlined by the number of participating parties which include: States of New Mexico and Colorado; Ute Mountain Ute, Southern Ute Indian Tribes; US Bureau of Reclamation; municipalities of Durango, Colorado and Farmington, New Mexico; Navajo Nation; San Juan Water Commission of New Mexico; Animas-La Plata Conservancy District; and Southwestern Water Conservation District.

5. La Plata River Compact

Administration of the Interstate Compact with New Mexico will provide challenges as always, and will require daily monitoring and administration during the compact period (February 15th through November 30th). The lower snowpack this winter, which did not extend to lower elevations or

had already melted and run off, will contribute to near to below normal flow in the La Plata River. By the end of March, at this writing, several irrigators in Colorado had already begun diversions. New Mexico has yet to place a call for deliveries of water pursuant to the Interstate Compact.

6. Long Hollow Reservoir Permitting and Feasibility

While the MOA between the Division of Water Resources and the La Plata Water Conservancy District and the MOU between the Division of Wildlife, CDWR and LPWCD, were both finalized in 2007 the 404 permitting moved very slowly. A 404 permit has been issued and the feasibility and design phase of the project is proceeding.

7. Dolores Project Operations

Division staff will continue to take part in discussions and negotiations on operations of the Dolores Project. There are a number of pending court applications filed by the DWCD, and the Dolores River Dialogue Group continues to meet to discuss releases and downstream fisheries in the Dolores River below McPhee Reservoir.

8. CWCB In-Stream-Flow Program

A filing was made by the Pine River Irrigation District for a storage allocation that could be used as a quasi-in-stream flow right on the Pine River below Vallecito Reservoir to just below the Town of Bayfield. Numerous statements of opposition were submitted in that case. Water Resources will continue to participate in negotiations regarding the filing. Other parties involved in the filing are the CWCB, Pine River Irrigation District, and the Southern Ute Indian Tribe. The Dolores Water Conservancy District is expected to continue discussions for a greater level of protection for flows below McPhee Reservoir on the Dolores River.

In addition to the water issues listed above relevant to the basin, numerous interstate and intrastate issues will also have a potential impact on water use and administration in Water Division 7 in the future. These include:

INTERSTATE ISSUES:

1. Colorado River Compact and shortages
2. Upper Colorado River Compact
3. La Plata River Compact, storage project development
4. Water quality issues regarding trans-mountain and trans-basin diversions
5. Endangered Species Act and possible revisions
6. Hydrologic Determination, Navajo-Gallup Project
7. Navajo Reservoir Operations and Procedures
8. Navajo Tribal Water Rights Settlement (New Mexico)
9. Animas-La Plata Compact and future administration/allocations

INTRASTATE ISSUES:

1. Interbasin Compact Committee, HB 1177
2. RICD water rights, Compact development impairment
3. Dam design and reservoir spillway design criteria
4. USFS Ditch Bill and Special Use Permitting, By-pass flows
5. Objections/challenges to Indian Water Rights Settlement
6. Forest Management Plan and Wild & Scenic Eligibility/Suitability
7. San Juan River Depletion Modeling, CDSS
8. Evaluation and administration of Substitute Water Supply Plans
9. Rapid population growth, changing water demands

AGENCY AND COMMUNITY INVOLVEMENT

The Division 7 staff works cooperatively with many other groups and agencies, and remains active in the local community to assist in increasing the understanding of water issues relevant to Southwestern Colorado. Among those groups are:

Southwestern Water Conservation District

San Juan Conservancy District

Rio Blanco River Restoration Group

Pine River Irrigation District

Southern Ute Indian Tribe

Animas – La Plata Water Conservancy District
Florida Water Conservancy District
Durango City Water Board
Durango City Council
Children’s Water Festival – Montezuma County
Children’s Water Festival – La Plata County
SWCD Water Seminar
La Plata Water Conservancy District
Dolores Water Conservancy District
Mancos Water Conservancy District
Mancos (Soil) Conservation District
Colorado Oil and Gas Conservation Commission
WIP (Water Information Program)
Water 101 Groups
Southwest Basins Roundtable
State Water Supply Initiative (SWSI)
Navajo River Operating Committee
McPhee Reservoir Operating Committee
DNR Leadership Team
DNR IT Liaison’s Group
DNR Hydrobase Committee
La Plata County Advisory Committee
La Plata County Planning Department
Archuleta County Planning Department
Montezuma County Planning Department
Dolores County Planning Department
San Juan Basin Health
River Protection Workgroup
Colorado Water Quality Control Commission
San Juan National Forest & BLM
Colorado Water Officials Association

Colorado Division of Wildlife
Bureau of Reclamation
Center for Snow and Avalanche Studies

SUMMARY

It is with great pride that the 2007-2008 Annual Report for Water Division 7 is submitted on behalf of the entire staff. The report is a compilation of narrative and data which was relevant to the entire year. Everyone in the division has played a crucial role in the publication of this report which begins with the recording of diversions and stream flow information in Southwestern Colorado. The employees of Division 7 are to be commended for their dedication to the water users in this part of the state.

Respectfully Submitted on behalf of the Division 7 staff,

Rege W. Leach
Division Engineer, Division 7
April 13, 2009

The Year in Photos



Brian Boughton installing a Sutron Accu-Bubbler at Red Mesa Ward Reservoir in October 2007



Rege presenting Bob Becker with Retirement Letter from Governor Ritter, Bob retired in July 2008 after 22 years



Beaver Dams on the La Plata River, July 2008



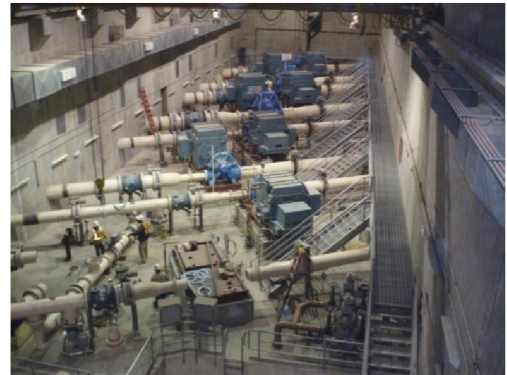
High snow levels in February 2008 on the Florida River above Lemon Reservoir



The La Plata "Dry" River, August 2008



Finished Intake Structure for ALP,
November 2008



The finished pumping plant for ALP,
November 2008



Outlet
Structure in
the bottom
of Ridges
Basin
Reservoir,
November
2008

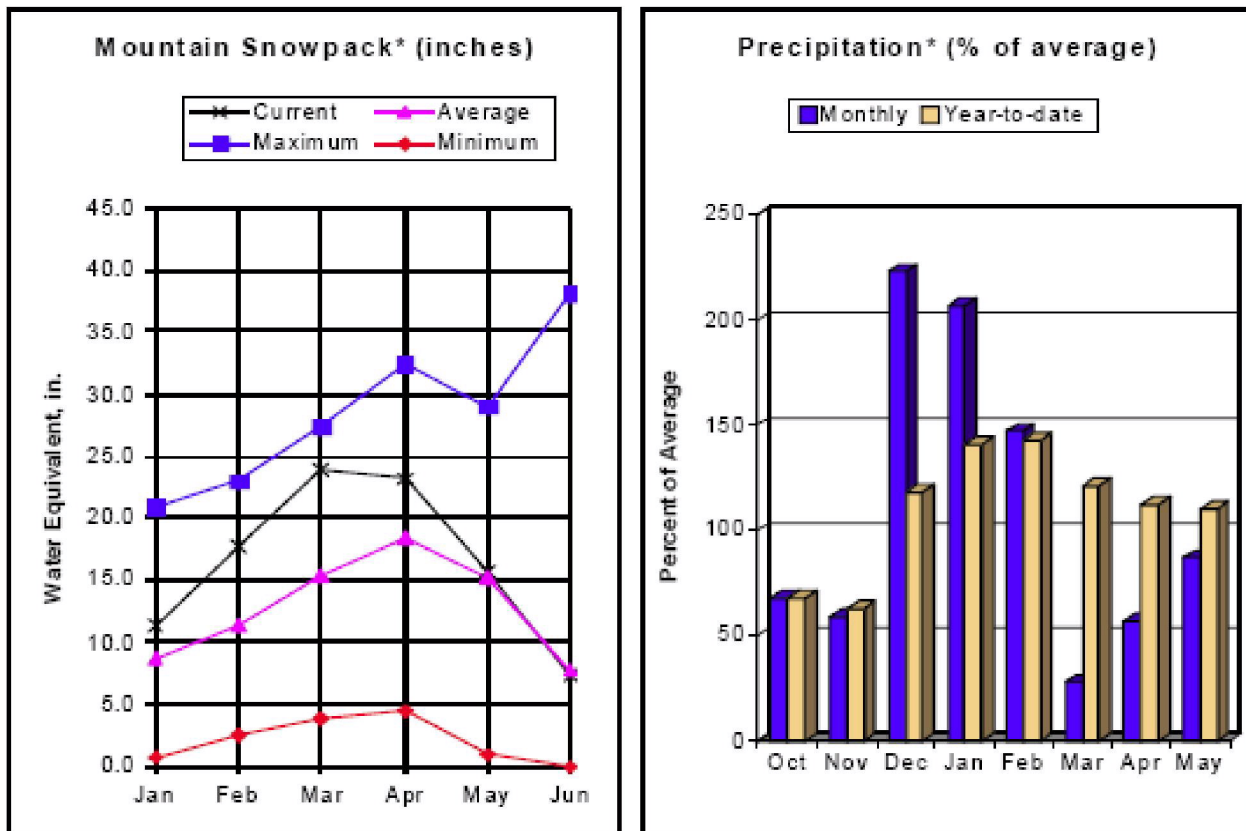


View from Top of Ridges Basin Dam of the La
Plata Mountains, Water level should be about
the tree line, November 2008



Refurbished USGS
Gage on the East
Fork of the San Juan
River to monitor the
landslide

SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS
as of June 1, 2008



*Based on selected stations

The combined San Miguel, Dolores, Animas and San Juan River basin snowpack was measured at 95 percent of average on June 1, down slightly, in terms of percentages, from last month's figure of 103 percent of average. Data from the SNOTEL sites in the basin show a loss of 44 percent of the year's peak snowpack during May, with only about 25 percent of the peak snow water content remaining on June 1. When compared to last year's June 1 snowpack, there is just slightly more than twice the snow water content this year. Snowpack conditions in the sub-basins ranged from virtually no snow at the measuring sites in the San Miguel and Dolores watersheds to 129 percent of average in the San Juan Watershed. Mountain precipitation during May was 87 percent of average, making it the third consecutive month of below normal precipitation. However, total precipitation since October 1, 2007 remains above average primarily because of the large amount of precipitation that fell from December through February. Although reservoir storage is down 11 percent from the storage reported last year at this time, it remains above normal at 106 percent of average. Streamflows during the June-July period are expected to be above average to well above average, except on the Dolores, La Plata and Florida rivers where runoff is forecast to be at or just slightly below average. Runoff volumes over the next two months should range from 94 percent of average for the Inflow to McPhee Reservoir to 156 percent of average for the Rio Blanco at Blanco Diversion.

***Information retrieved from the USDA Colorado Basin Outlook Report June 1, 2008.

TRANSMOUNTAIN DIVERSION SUMMARY ----- 2008 OUTFLOWS

SOURCE										RECIPIENT			
WD	ID	NAME	STREAM	10-YEAR AVG.		DAYS	CURRENT YEAR		WD	ID	STREAM		
				AF	DAYS		AF	DAYS					
29	4669	TREASURE PASS DITCH	SAN JUAN RIVER	153.9	32.5	120.912	53	20	921	RIO GRANDE RIVER			
30	4660	CARBON LAKE DITCH	ANIMAS RIVER	113.7	30.3	0	0	68	692	UNCOMPAGHGRE RIVER			
30	4661	MINERAL POINT DITCH	ANIMAS RIVER	43.7	19.5	0	0	68	609	UNCOMPAGHGRE RIVER			
30	4662	RED MOUNTAIN DITCH	ANIMAS RIVER	98.7	42.1	0	0	68,41	604,549	UNCOMPAGHGRE RIVER			
31	4638	PINE RIVER-WEMINUCHE PASS D.	PINE RIVER	395.2	50.1	330.59	88	20	919	RIO GRANDE RIVER			
31	4637	WEMINUCHE PASS DITCH	PINE RIVER	848.7	24.5	743.495	43	20	922	RIO GRANDE RIVER			
78	4672	WILLIAMS CREEK-SQUAW PASS D.	PIEDRA RIVER	382.4	96.4	328.071	87	20	923	RIO GRANDE RIVER			
78	4670	DON LA FONT #1 (S RIVER PEAK)	PIEDRA RIVER	3.7	4.7	0	0	20	917	RIO GRANDE RIVER			
78	4671	DON LA FONT #2 (PIEDRA PASS D.) *	PIEDRA RIVER	29.5	10.7	217.749	78	20	918	RIO GRANDE RIVER			

* Combined flow from Don la Font #1 (ID 7804670) and Don La Font #2 (ID 7804671)

2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				Minimum		Maximum		End of Year	
				AF	Date	AF	Date	AF	Year
29	3507	Harris Bros Boone Res 2	Blanco River	5.1	11/01/07	229.7	05/21/08	80.3	
29	3644	Borns Lake Reservoir	West Fk. San Juan R.	67.9	11/01/07	67.9	10/31/08	67.9	
29	3654	Echo Canyon Reservoir	Echo Creek	2,148.8	11/01/07	2,148.8	10/31/08	2,148.8	
29	3682	Thomas Reservoir	San Juan R.	58.0	11/01/07	58.0	10/31/08	58.0	
29	3848	Mountain View Reservoir	Four Mile Creek						
		Total of all < 50 AF		269.9		284.1		282.1	
		Total for District 29		2,549.7		2,788.5		2,637.1	

2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				Minimum		Maximum		End of	
				AF	Date	AF	Date	Year	Year
30	3534	Andrews Lake	Lime Creek	131.0	11/01/07	131.0	10/31/07	131.0	131.0
30	3536	Cascade	Elbert Creek	12,977.0	04/14/08	22,310.0	09/23/08	22,067.0	22,067.0
30	3540	Haviland Lake	Elbert Creek	526.0	11/01/07	526.0	10/31/08	526.0	526.0
30	3546	Ice Lake	Elbert Creek	416.0	11/01/07	416.0	10/31/08	416.0	416.0
30	3547	Keeler Lake	Elbert Creek	488.0	11/01/07	488.0	10/31/08	488.0	488.0
30	3548	Lake of the Pines	Little Cascade Creek	59.8	08/21/08	65.0	11/01/07	65.0	65.0
30	3560	Turner Ponds	Animas River	62.0	10/30/08	84.0	11/01/07	62.0	62.0
30	3561	Turner Reservoir	Waterfall Creek	290.0	07/31/08	472.0	04/22/08	412.0	412.0
30	3576	Florida Canal and Res	Florida River	378.1	10/31/08	453.1	04/02/08	378.1	378.1
30	3581	Lemon Reservoir	Florida River	17,225.0	10/08/08	40,115.0	06/22/08	18,221.0	18,221.0
30	3622	Henderson Lake	Animas River	57.8	11/01/07	57.8	10/31/08	57.8	57.8
30	3625	Naegelin Lake	Junction Creek	234.0	10/02/08	366.0	05/05/08	297.0	297.0
30	3630	Twilight Lake	Purgatory Creek	60.0	11/01/07	60.0	10/31/08	60.0	60.0
30	3707	Johnson Reservoir	Coal Creek	685.0	11/27/07	1,007.0	05/21/08	812.0	812.0
30	3724	Johnson Lake #2	Wildcat Canyon	21.3	11/01/07	64.1	03/27/08	21.3	21.3
30	3817	Dry Lake	Animas River	50.0	11/01/07	55.0	04/01/08	53.0	53.0
		Total of all < 50 AF		247.1		327.6		274.0	274.0
		Total for District 30		33,908.1		66,997.6		44,341.2	44,341.2

2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				Minimum		Maximum		End of	
				AF	Date	AF	Date	Year	Year
31	3517	Wommer Reservoir	Little Bear Creek	189.6	11/01/07	208.5	03/19/08	189.6	
31	3518	Vallecito Reservoir	Pine River	34,119.1	04/18/08	123,107.7	07/05/08	65,328.9	
		*Total of all < 50 AF		0.0		0.0		0.0	
		Total for District 31		34,308.7		123,316.2		65,518.5	

*No Reservoir Observation records kept for reservoirs <50 af in WD 31

2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				Minimum		Maximum		End of	
				AF	Date	AF	Date	Year	Year
32	3601	Totten Reservoir	Transbasin Water	786.7	04/30/08	3,130.6	12/02/07	2,598.7	
32	3602	Narraguinnep Reservoir	Transbasin Water	3,610.8	10/30/08	18,960.0	07/01/08	3,610.8	
32	3603	A M Puett Reservoir	Transbasin Water	821.0	10/31/08	2,124.0	05/19/08	821.0	
		Total of all < 50 AF		59.8		66.3		63.3	
		Total for District 32		5,278.3		24,280.9		7,093.8	

2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				Minimum		Maximum		End of	
				AF	Date	AF	Date	Year	Year
33	3522	Red Mesa Ward Reservoir	Hay Gulch	93.0	11/15/07	1,240.0	05/22/08	148.0	
33	3523	Taylor Reservoir	La Plata River	85.6	11/01/07	85.6	10/31/08	85.6	
		*Total of all < 50 AF		0.0		0.0		0.0	
		Total for District 33		178.6		1,325.6		233.6	

*No Reservoir Observation records kept for reservoirs <50 af in WD 33

2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				Minimum		Maximum		End of Year	
				AF	Date	AF	Date	AF	Year
34	3585	Bauer Reservoir No 1	Crystal Creek	27.4	11/01/07	357.0	04/24/08	61.0	
34	3586	Bauer Reservoir No 2	Chicken Creek	185.3	09/26/08	1,532.9	04/24/08	522.5	
34	3589	Jackson Gulch Reservoir	West Fork Mancos R	3,564.0	10/31/08	10,141.0	05/09/08	3,564.0	
34	3590	L A Bar Reservoir	Chicken Creek	24.8	08/15/08	73.3	05/02/08	24.8	
34	3592	Sellers & McClane Res	Mud Creek	0.0	11/01/07	41.5	05/02/08	1.8	
34	3594	Weber	Middle Fork Mancos R	145.1	11/01/07	458.9	04/03/08	154.0	
		Total of all < 50 AF		26.5		72.1		32.2	
		Total for District 34		3,973.1		12,676.7		4,360.3	

2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)					End of Year
				Minimum		Maximum		Date	
				AF	Date	AF	Date		
69	3529	Belmar Lake Reservoir	Rincon Creek	248.0	11/01/07	408.0	04/01/08	274.0	
69	3530	Dunham Reservoir	Disappointment Creek	68.0	10/15/08	79.0	04/01/08	68.0	
69	3532	Morrison Reservoir	Morrison Creek	85.0	10/08/08	116.0	04/01/08	85.0	
		Total of all < 50 AF		36.0		50.0		36.0	
		Total for District 69		437.0		653.0		463.0	

2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				Minimum		Maximum		End of Year	
				AF	Date	AF	Date		
71	3606	Big Pine Reservoir	Lost Canyon	0.0	11/01/07	259.0	04/07/08	43.0	
71	3607	Buck Pasture Reservoir	Beaver Creek	14.6	09/22/08	53.0	04/21/08	14.6	
71	3610	Ethel Belmear Reservoir	Beaver Creek	73.0	10/15/08	87.0	05/15/08	73.0	
71	3612	Groundhog Reservoir	Groundhog Creek	14,208.0	10/21/08	21,710.0	07/14/08	14,208.0	
71	3613	Lost Canyon Lake	Lost Canyon	100.0	11/01/07	106.0	04/15/08	106.0	
71	3614	McPhee Reservoir	Dolores River	284,801.0	10/31/08	380,492.0	06/30/08	284,801.0	
71	3619	Summit Reservoir	Lost Canyon	783.0	10/31/08	4,469.0	06/09/08	783.0	
		Total of all < 50 AF		13.0		16.0		13.0	
		Total for District 71		299,992.6		407,192.0		300,041.6	

2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)					End of Year
				Minimum		Maximum		Date	
				AF	Date	AF	Date		
77	3512	Spence Reservoir	Coyote Creek	289.0	10/17/08	433.3	05/21/08	289.0	
77	3696	Sappington Reservoir	Coyote Creek	201.4	08/05/08	295.8	05/21/08	272.7	
77	3699	Gomez Reservoir	Coyote Creek	44.1	11/01/07	67.8	05/27/08	49.9	
		Total of all < 50 AF		15.4		15.4		15.4	
		Total for District 77		549.9		812.3		627.0	

2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				Minimum		Maximum		End of Year	
				AF	Date	AF	Date	AF	Year
78	3624	Dunagan Reservoir	Stollsteimer Creek	0.7	11/10/07	93.4	04/08/08		8.5
78	3626	G S Hatcher	Stollsteimer Creek	1,482.0	11/30/07	1,735.0	01/31/08		1,735.0
78	3629	Linn and Clark Reservoir	Dutton Creek	1,132.0	10/31/08	1,230.0	12/14/07		1,132.0
78	3633	Pargin Reservoir	Stollsteimer Creek	328.4	10/31/08	380.3	05/01/08		328.4
78	3636	Pinón Lake	Dutton Creek	97.8	09/15/08	198.0	05/01/08		97.8
78	3642	Williams Creek Reservoir	Williams Creek	10,084.0	11/01/07	10,084.0	10/31/08		10,084.0
78	3644	Lake Forest	Dutton Creek	428.8	11/15/07	465.0	12/14/07		453.0
78	3645	Stevens Reservoir*	Dutton Creek	0.0	11/01/07	0.0	10/31/08		0.0
78	3646	Town Center Lake	Dutton Creek	534.0	11/30/07	630.0	12/14/07		552.0
78	3650	Palisade Lake	Middle Fork Piedra R	50.0	11/10/07	50.0	10/31/08		50.0
		Total of all < 50 AF		75.0		124.5			81.0
		Total for District 78		14,212.7		14,990.2			14,521.7

2008 IRRIGATION YEAR WATER DIVERSION SUMMARIES

WD	STRUCTURES REPORTING			ALL OTHER STRUCTURES		ESTIMATED NUMBER OF RECORDED READINGS AT STRUCTURE	TOTAL DIVERSIONS TO STORAGE (ACRE-FEET)	TOTAL DIVERSIONS (ACRE-FEET)	TO IRRIGATION		
	NO WITH RECORD (1)	NO WATER AVAILABLE (2)	NO WATER TAKEN (3)	NO INFORMATION AVAILABLE (4)	NO RECORD (5)				TOTAL DIVERSIONS (ACRE-FEET)	NUMBER OF ACRES IRRIGATED ****	AVERAGE ACRE- FEET PER ACRE ****
29	355	2	353	33		1,247	432	120,311	42,420	10,126	4.19
30	1,124	29	745	1		7,015	32,376	275,186	162,523	31,318	5.19
31	576	6	338	1		3,709	100,803	615,174	213,420	49,325	4.33
32 *	396	5	322	15		4,275	18,505	371,173	270,881	58,794	4.61
33	146	4	206	0		2,562	1,319	33,275	27,533	5,706	4.83
34 **	321	16	158	18		2,344	7,878	42,982	30,494	11,184	2.73
46	51	2	37	0		388	0	5,342	3,149	782	4.03
69	35	5	10	3		71	767	2,375	1,604	431	3.72
71	127	4	72	54		2,611	120,742	375,752	10,988	1,516	7.25
77***	111	4	46	0		595	214	102,240	25,599	2,989	8.56
78	160	2	158	14		810	2,666	31,986	24,322	4,054	6.00
TOTAL	3,402	79	2,445	139		25,627	285,702	1,975,796	812,933	176,225	4.61

Definitions:

- (1) Count of structures with Daily or Infrequent Records
- (2) Count of structures with NUC=B
- (3) Count of structures with NUC=(A,C,D)
- (4) Count of structures with NUC=(E,F)
- * Total Deliveries from Dolores River Basin, Dist. 71, 237,612 A.F. of which 213,432 A.F. were for irrigation.
- ** Total Deliveries from Dolores River Basin, Dist. 71, 1,205 A.F. of which 1,164 A.F. were for irrigation.
- *** Total Deliveries from Dist. 29, 877 A.F.
- **** ACRES IRRIGATED BASED ON 2007 IYR DATA

2008 IRRIGATION YEAR WATER DIVERSION SUMMARIES TO VARIOUS USES

WD	TRANS-MOUNTAIN OUTFLOW	TRANS-BASIN OUTFLOW	EXPORT FROM STATE	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	RECHARGE	DOMESTIC	HOUSEHOLD USE ONLY	STOCK
29	121	5,614	61,049	1,070	573	0	0	8,094	0	94	0	812
30	0	0	12,923	5,672	1,327	599	241	9,764	0	245	0	20,964
31	1,074	0	0	1,634	166	0	0	76	0	70	0	10
32 *	0	0	0	5,361	2	25	0	0	0	3	0	1,218
33	0	468	1,431	0	7	0	0	0	0	32	0	2,446
34	0	0	0	866	7	0	0	0	0	20	0	3,046
46	0	0	2,168	0	0	0	0	0	0	0	0	24
69	0	0	0	0	0	0	0	0	0	0	0	3
71												
**	240,237	0	0	255	1	0	74	3,036	0	12	0	364
77	0	0	72,620	0	0	0	0	2,101	0	55	0	773
78	546	0	0	2,883	12	0	0	375	0	58	0	317
TOTAL	241,978	6,082	150,191	17,741	2,095	624	315	23,446	0	589	0	29,977

* Municipal Use in Dist. 32 delivered from Transbasin - Dist. 71.

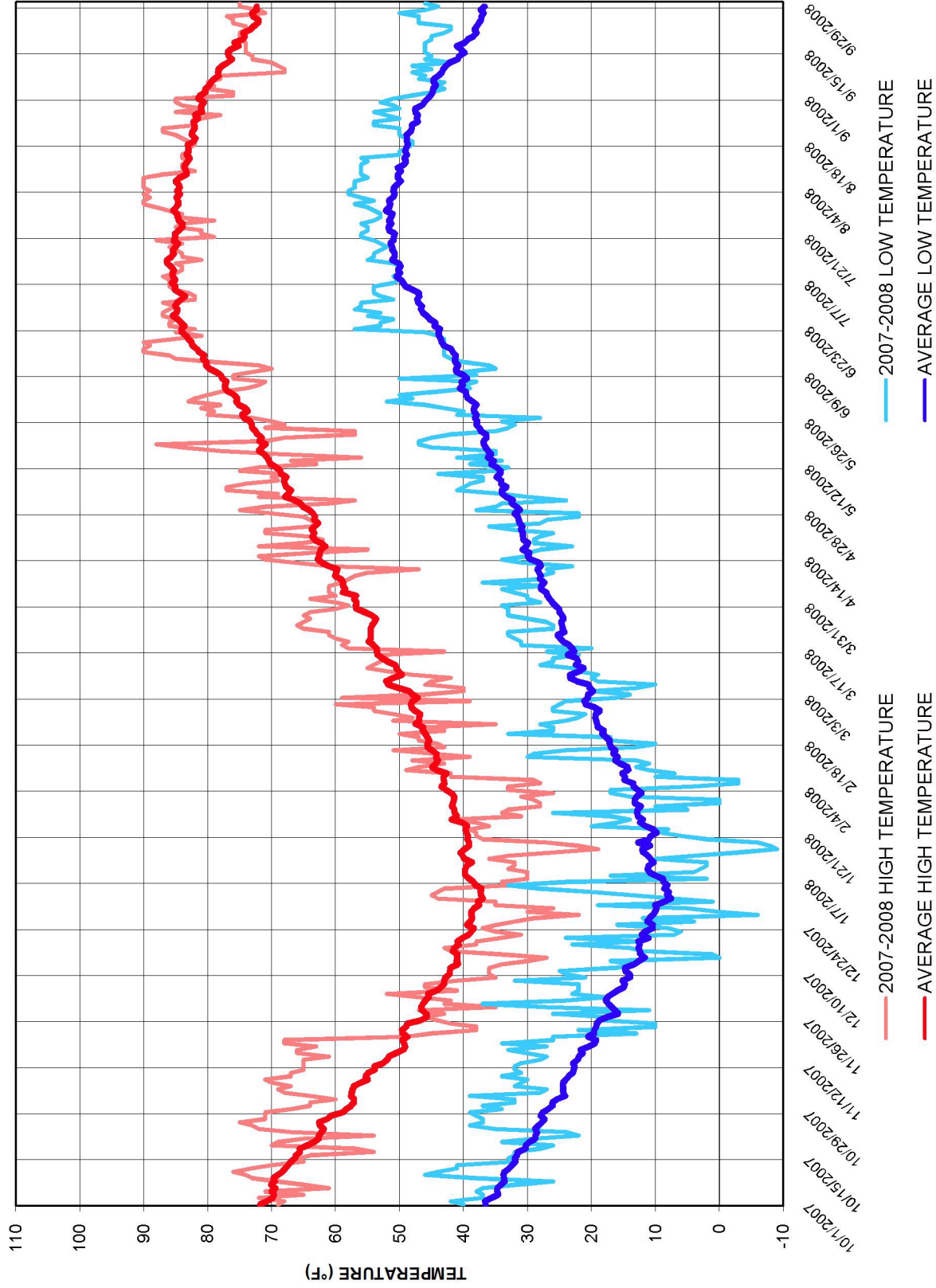
** Transbasin outflow in Dist. 71 diverted to Dist. 32 and Dist. 34.

2008 IRRIGATION YEAR WATER DIVERSION SUMMARIES TO VARIOUS USES (CONTINUED)

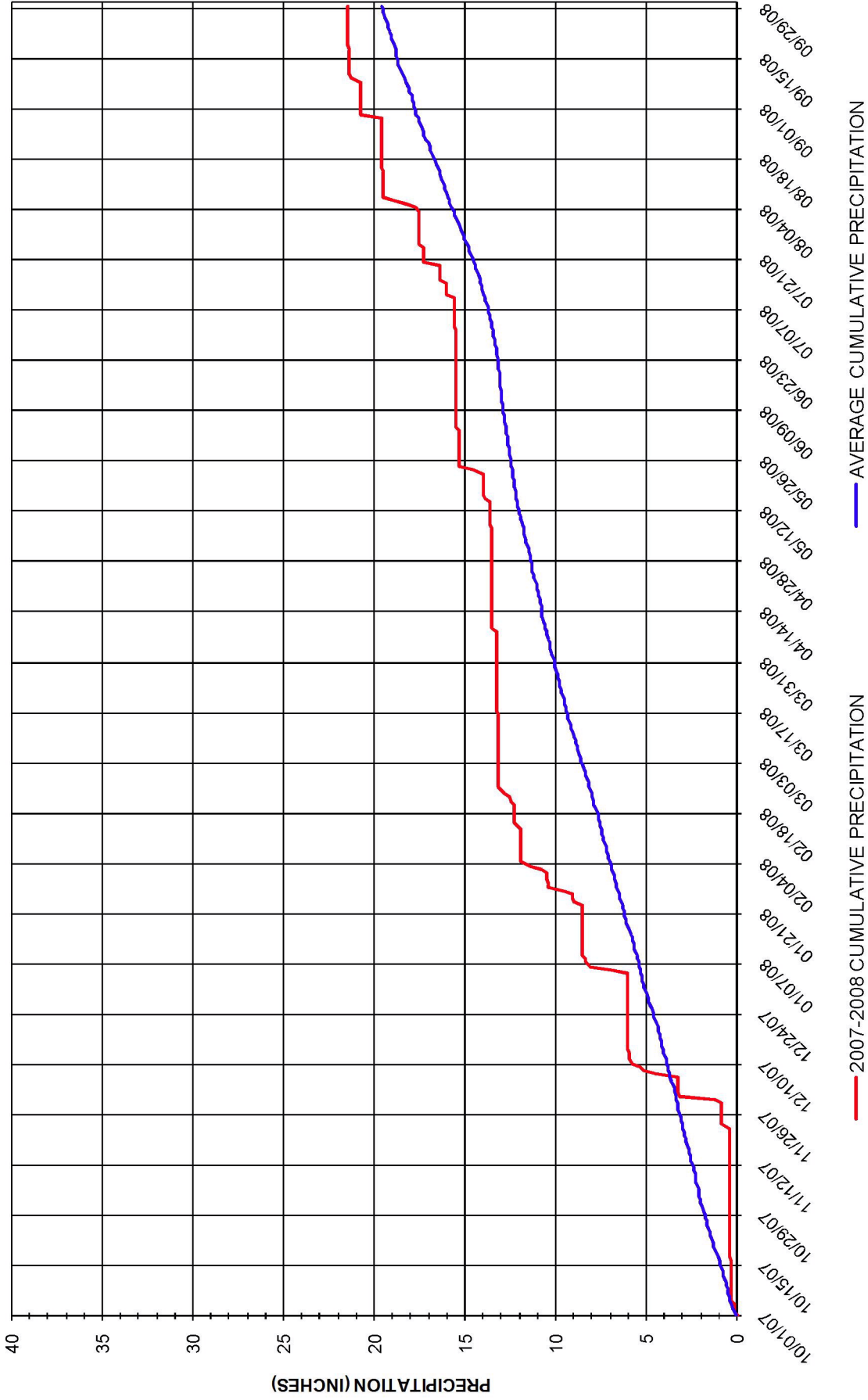
WD	AUGMENTATION	EVAPORATION	FEDERAL RESERVE	GEOTHERMAL *	SNOWMAKING	MINIMUM STREAMFLOW	POWER GENERATION	WILDLIFE	RECHARGE	OTHER	ALL BENEFICIAL USES
29	16	33	0	0	0	0	0	0	0	0	0
30	122	1,192	0	0	78	0	36,005	139	0	0	0
31	259	5,057	0	0	0	0	292,864	0	0	0	0
32	6	33	12	0	0	0	48,487	0	0	0	0
33	8	0	0	0	0	0	0	0	0	38	0
34	28	23	222	0	0	0	13,726	0	61	0	0
46	0	2	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0
71	3,559	39	0	0	0	0	34,041	1	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0
78	0	27	0	0	0	0	0	0	0	0	0
TOTAL	3,998	6,406	234	0	78	0	425,123	140	61	38	0

* Geothermal water included in Commercial, Municipal, and Recreation categories.

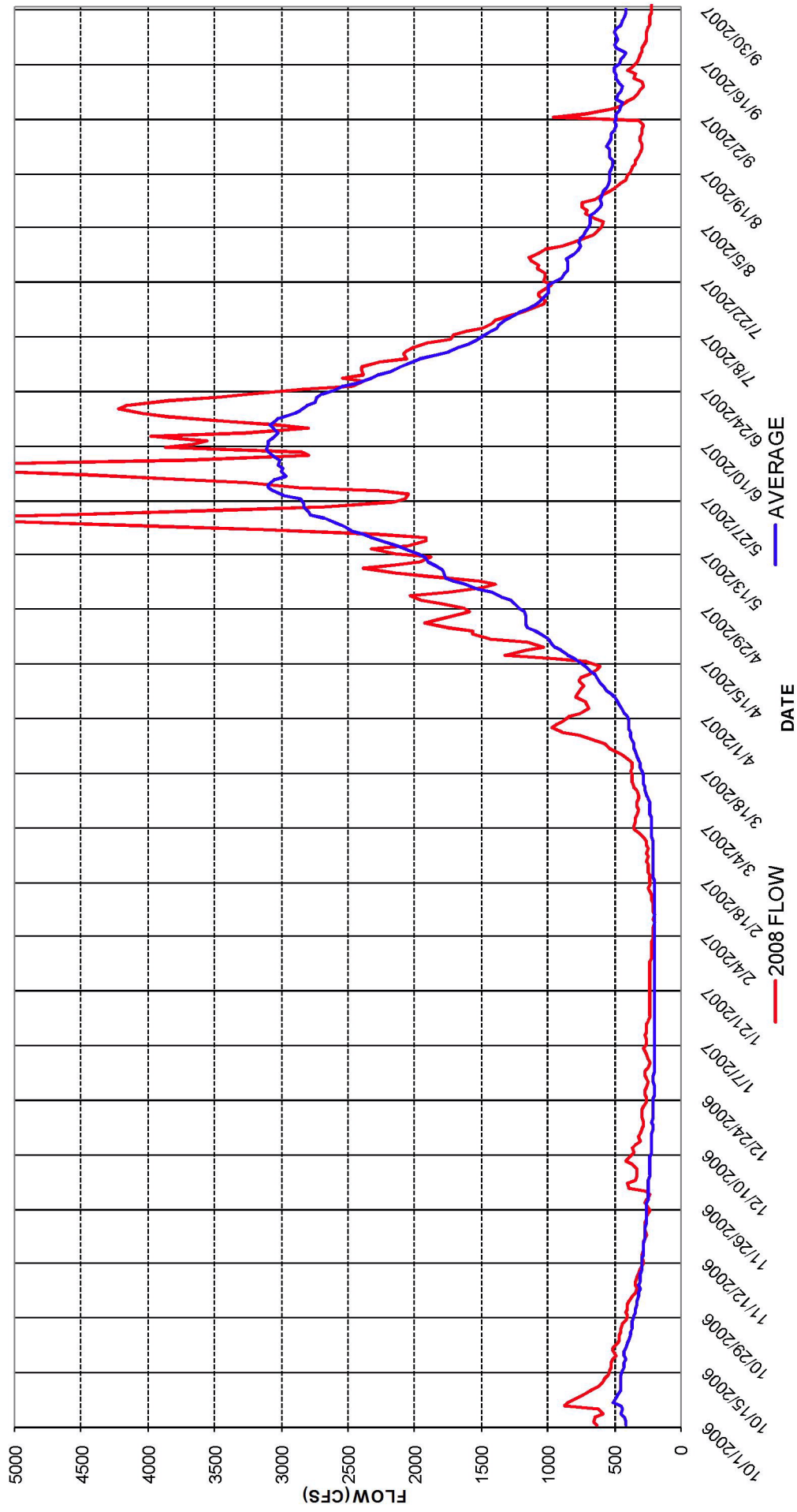
DURANGO TEMPERATURES



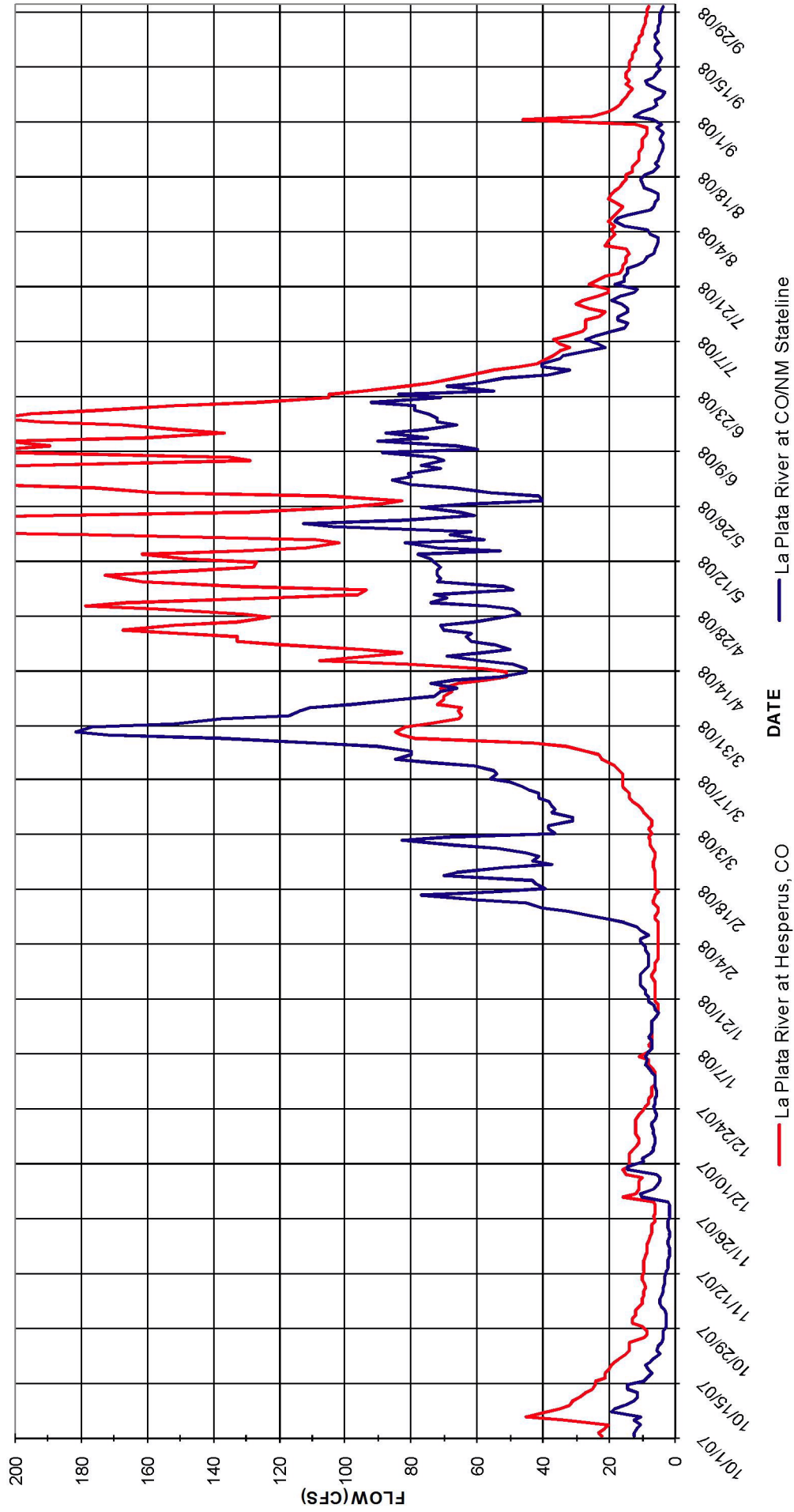
DURANGO CUMULATIVE PRECIPITATION



ANIMAS RIVER AT DURANGO, CO - 2008 WATER YEAR



LA PLATA RIVER COMPACT - 2008 WATER YEAR



**LA PLATA RIVER COMPACT MONTHLY ADMINISTRATIVE SUMMARY (ACRE-FEET)
2008 COMPACT YEAR**

MONTH	HESPERUS STATION	LA PLATA & CHERRY		PINE RIDGE		30% OF KELLER		HESPERUS TOTAL*		STATE LINE STATION	ENTERPRISE DITCH (NM)		PIONEER DITCH		DELIVERED STATE LINE TOTAL*		REQUIRED TOTAL (1/2 HESP TOTAL)*		
		CR. DITCH	DITCH	DITCH	DITCH	DITCH	DITCH	DITCH	DITCH		DITCH	DITCH	DITCH	DITCH	DITCH	DITCH	DITCH	DITCH	
DECEMBER	682.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	429.4	18.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JANUARY	405.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	482.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FEBRUARY	329.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2070.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MARCH	1605.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4482.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
APRIL	5825.5	0.0	318.6	0.0	0.0	0.0	0.0	341.5	341.5	4147.5	27.1	19.4	167.5	181.8	167.5	167.5	167.5	167.5	167.5
MAY	10099.0	326.6	290.1	4.8	0.0	0.0	0.0	10720.5	10720.5	4329.2	147.6	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5
JUNE	9538.7	1915.0	50.0	0.0	0.0	0.0	0.0	11503.7	11503.7	4200.1	150.0	181.8	181.8	181.8	181.8	181.8	181.8	181.8	181.8
JULY	1465.2	999.3	0.8	14.3	0.0	0.0	0.0	2479.5	2479.5	1043.6	150.0	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8
AUGUST	949.2	42.7	0.0	0.0	0.0	0.0	0.0	991.9	991.9	436.0	81.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
SEPTEMBER	846.9	0.0	0.0	0.0	0.0	0.0	0.0	846.9	846.9	319.5	67.5	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
OCTOBER	542.4	8.4	0.0	0.0	0.0	0.0	0.0	550.8	550.8	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOVEMBER	397.3	0.0	0.0	0.0	0.0	0.0	0.0	397.3	397.3	313.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS *	24171.9	3292.0	349.2	19.1	0.0	0.0	0.0	27832.1	27832.1	10954.1	596.2	634.2	634.2	634.2	634.2	634.2	634.2	634.2	634.2

Comments:

*New Mexico placed a call for one half of the Hesperus Total Flow, up to 80 cfs April 30, 2008 at 1645

* Colorado Enterprise Ditch off on 6/22/2008 and 6/24/2008 through 6/30/2008.

*All Colorado ditches were off starting on 08/01/2008 @ 09:00 until 08/05/2008 @ 15:45.

*All Colorado ditches were off starting on 08/13/2008 @ 17:30 until 08/14/2008 @ 14:45.

*All Colorado ditches were off starting on 08/22/2008 @ 18:00 until 08/28/2008 @ 08:45.

*** TOTALS ARE FOR PERIOD OF COMPACT CALL.**

**UPPER BASIN COMPACT -- SAN JUAN-
CHAMA DIVERSIONS**

<u>WATER</u>	<u>RIO BLANCO</u>	<u>LITTLE OSO</u>	<u>OSO</u>	<u>TOTAL COLO.</u>	<u>AZOTEA</u>	<u>TEN-YEAR</u>	<u>% DIFF CO VS.</u>
<u>YEAR</u>	<u>DIVERSION</u>	<u>DIVERSION</u>	<u>DIVERSION</u>	<u>DIVERSION</u>	<u>TUNNEL</u>	<u>TOTALS</u>	<u>AZOTEA VALUES</u>
					<u>(USGS)</u>	<u>(USGS)</u>	<u>% DIFF</u>
1971	23,510	1,340	24,980	49,830	59,980		-20.4%
1972	28,290	1,120	24,310	53,720	58,070		-8.1%
1973	70,900	9,720	79,810	160,430	153,300		4.4%
1974	25,290	1,070	18,700	45,060	47,230		-4.8%
1975	58,780	8,120	69,200	136,100	145,100		-6.6%
1976	41,000	2,420	36,950	80,370	85,230		-6.0%
1977	13,450	37	3,930	17,417	19,390		-11.3%
1978	44,010	2,820	50,310	97,140	104,200		-7.3%
1979	60,150	8,980	87,730	156,860	164,200		-4.7%
1980	57,760	6,970	72,460	137,190	143,600	980,300	-4.7%
1981	25,690	1,640	22,260	49,590	53,960	974,280	-8.8%
1982	48,340	6,860	63,810	119,010	127,100	1,043,310	-6.8%
1983	46,960	8,110	69,680	124,750	134,300	1,024,310	-7.7%
1984	45,180	6,070	55,220	106,470	113,600	1,090,680	-6.7%
1985	32,700	9,630	44,630	86,960	91,800	1,037,380	-5.6%
1986	35,520	4,720	43,620	83,860	89,180	1,041,330	-6.3%
1987	32,120	4,380	42,360	78,860	83,050	1,104,990	-5.3%
1988	29,200	972	29,780	59,952	63,530	1,064,320	-6.0%
1989	20,400	672	26,630	47,702	48,570	948,690	-1.8%
1990	37,630	1,480	32,510	71,620	71,700	876,790	-0.1%
1991	51,730	3,930	59,780	115,440	119,400	942,230	-3.4%
1992	32,910	6,340	43,990	83,240	87,080	902,210	-4.6%
1993	34,960	6,210	52,740	93,910	98,810	866,720	-5.2%
1994	28,080	5,020	44,260	77,360	82,200	835,320	-6.3%
1995	34,980	5,220	44,840	85,040	86,270	829,790	-1.4%
1996	26,780	950	27,640	55,370	57,240	797,850	-3.4%
1997	62,320	4,450	71,470	138,240	141,200	856,000	-2.1%
1998	47,910	2,110	45,370	95,390	97,280	889,750	-2.0%
1999	58,690	2,040	55,980	116,710	120,500	961,680	-3.2%
2000	20,230	1,150	19,130	40,510	42,740	932,720	-5.5%
2001	47,710	3,900	53,740	105,350	110,600	923,920	-5.0%
2002	3,967	36	1,740	5,743	6,310	843,150	-9.9%
2003	29,850	1,130	28,040	59,020	62,460	806,800	-5.8%
2004	39,940	2,100	35,130	77,170	82,070	806,670	-6.3%
2005	63,180	6,490	75,610	145,280	152,700	873,100	-5.1%
2006	38,220	1,090	29,140	68,450	71,720	887,580	-4.8%
2007	50,370	3,160	46,490	100,020	105,080	851,460	-5.1%
2008	61,050	5,000	67,620	133,670	140,000	894,180	-4.7%
AVG.	39,589	3,920	44,694	88,203	92,244	928,333	-4.6%

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

WATER DIVISION SEVEN

ACTIVITY SUMMARY

FISCAL YEAR 2008

<u>ACTIVITY</u>	<u>TOTAL</u>
NUMBER OF PROFESSIONAL & TECHNICAL STAFF	6
NUMBER OF CLERICAL STAFF	1
NUMBER OF WATER COMMISSIONER FTE ASSIGNED	11.25
NUMBER OF DECREED "SURFACE" RIGHTS (CALENDER YEAR)	176
NUMBER OF SURFACE RIGHTS ADMINISTERED	20,621
NUMBER OF WELLS ADMINISTERED	721
NUMBER OF DAMS & PONDS VISITED	1,947
NUMBER OF PLANS FOR AUGMENTATION (CALENDER YEAR)	1
NUMBER OF CONSULTATIONS WITH REFEREE (CALENDER YEAR)	73
NUMBER OF WATER COURT APPEARANCES (CALENDER YEAR)	101
NUMBER OF MEETINGS WITH WATER USERS	106
NUMBER OF MEETINGS TO RESOLVE WATER RELATED DISPUTES	105
NUMBER OF PUBLIC ASSISTANCE CONTACTS ON WATER MATTERS	12,829

**WATER COURT ACTIVITIES
CALENDAR YEAR 2008**

NUMBER OF APPLICATIONS FOR DECREES	94
NUMBER OF CONSULTATIONS WITH REFEREE	73
NUMBER OF DECREES ISSUED BY WATER COURT	106

TYPE OF DECREE:

SURFACE WATER	126
GROUND WATER	49
RESERVOIRS	36
TRANSFER	1
ALTERNATE POINT	0
CHANGE IN USE	26
PLANS FOR AUGMENTATION	6
IN-STREAM FLOW	2
OTHER	8
PROTEST TO 2008 WATER CASES	63

NUMBER OF WATER RIGHTS IN DECREES: 232

TYPE OF NEW STRUCTURES:

DITCHES	19
RESERVOIRS, PONDS	27
WELLS	12
SPRINGS	2
OTHER (PIPELINES, PUMPS, ETC.)	12

TOTAL NEW STRUCTURES: 72

OFFICE ADMINISTRATION FY 2008

<u>NAME</u>	<u>POSITION</u>	<u>FY MONTHS</u>		<u>FLEET</u>	<u>PERSONAL</u>
		<u>BUDGETED</u>	<u>WORKED</u>	<u>MILEAGE</u>	<u>MILEAGE</u>
Bruce T. Whitehead	Division Engineer	12	4	0	744
Scott D. Brinton	Asst. Div. Engineer	12	12	0	741
Dennis Miller	Dam Safety Engineer	12	12	13,391	0
Brian Boughton	Hydrographer	12	12	8,896	0
Cheston Hart	EIT I	12	12	10,446	0
Melissa Schneider	Program Asst. I	12	12	0	0
Jason Morrow	EIT II	6	3	0	0

* Vacancy savings 8.0 months for DE

FULL-TIME EMPLOYEES IN THE FIELD

<u>NAME</u>	<u>POSITION</u>	<u>DISTRICT</u>				
John (Val) Valentine	Eng Tech II	29,77,78	8.0	2.0	3,565	17
Pete Kasper	Eng Tech II	29,77,78	4.0	4.0	5,017	117
Tom Fiddler	Eng Tech II	30/Florida	12.0	12.0	0	11,184
Jeff Titus	Eng Tech II	30/ Animas	12.0	12.0	0	7,862
Matthew Schmitt	Eng Tech II	33	12.0	12.0	0	10,073
Robert Becker	Eng Tech III	32,34,69,71	12.0	12.0	0	8,039
Denise Miller	Eng Tech II	69,71	12.0	12.0	16,565	0
Doug Pickering	Eng Tech II	Well Insp.	12.0	12.0	21,821	0
David Hofmann	Eng Tech II	31,46	12.0	12.0	13,185	545

* Vacancy savings 6.0 months for WD 29 Tech II

PERMANENT PART-TIME EMPLOYEES IN THE FIELD

Marty Robbins	Eng Tech II	32	11.0	9.9	10,017	384
Wallace Patcheck	Eng Tech I	33, 30A	8.1	9.7	8,965	6,975
						* 30/Animas 4 months - 33/La Plata 4 months
Sherry Schutz	Eng Tech I	77	9.1	12.0	6,240	6,897
Bob Formwalt	Eng Tech I	78	6.6	9.0	0	6,488
Robert Daniels	Eng Tech I	31,46	4.3	6.0	0	4,281

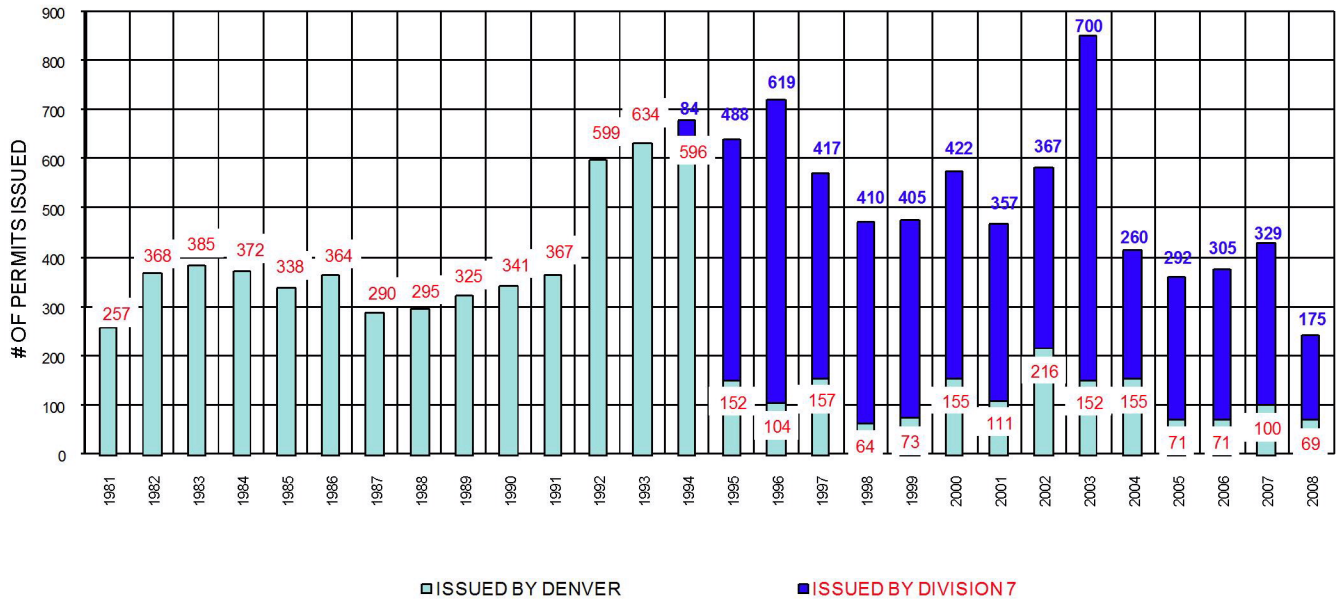
TOTAL MAN-MONTHS: 213.0 203.5

TOTAL MILES DRIVEN: 118,162 64,347

**DIVISION 7
IYR 2008 RIVER CALLS**

WD	RIVER	INITIAL CALLING		PRIORITY No.	DATE ON CALL	MOST SENIOR		PRIORITY No.	DATE	
		STRUCTURE	STRUCTURE			CURTAILED STRUCTURE	OFF CALL		CALL DAYS	
29	COAL CREEK	No Call								
29	RITO BLANCO	No Call								
29	FOUR MILE CREEK	Four Mile Ditch		56	07/07/08	Dutton Ditch		173	09/03/08	58
30	FLORIDA RIVER	Florida Farmers Ditch		66-52	06/26/08	Florida Farmers Ditch		F-17	10/08/08	104
30	ELBERT CREEK (Upper)	Cascade Reservoir		65-2	05/28/08	None				
30	ELBERT CREEK (Lower)	Elbert Creek Divr Point		E-2	08/01/08	Cascade Reservoir		65-2	10/31/08	91
30	LITTLE CASCADE CREEK	Little Cascade Creek Canal		65-9	05/28/08	Silverpick-Tacoma Wells # 1 & 2		65-9	10/31/08	156
31	PINE RIVER	Spring Creek Ditch		P-26	07/06/08	Numerous Ditches		P-26	08/08/08	33
32	McELMO CREEK	No Call								
33	LA PLATA RIVER (Hesperus to State Line)	Interstate Compact		Compact	04/30/08	La Plata Irrigating Ditch		1	12/01/08	215
34	MANCOS RIVER	Ratliff & Root		M-37	06/26/08	Henry Bolen		M-7	10/06/08	103
71	DOLORES RIVER	No Call								
77	SPRING GULCH	No Call								
77	OIL WELL CREEK	McMullen Ditch		68-50	08/12/08	Non-Decreed Uses			10/25/08	74
78	STOLLSTEIMER CREEK	Vic Johnson Ditch		178	08/19/08	Futile Call				
78	DEVIL CREEK	Ford Ditch		154	07/02/08	Keyah Grande Well		12/30/2051	08/22/08	51

DIVISION 7 WELL PERMIT ACTIVITY



SUMMARY OF WELL PERMITS ISSUED IN DIVISION 7

CALENDAR YEAR	ISSUED BY DENVER	ISSUED BY DIVISION 7
1981	257	
1982	368	
1983	385	
1984	372	
1985	338	
1986	364	
1987	290	
1988	295	
1989	325	
1990	341	
1991	367	
1992	599	
1993	634	
1994	596	84
1995	152	488
1996	104	619
1997	157	417
1998	64	410
1999	73	405
2000	155	422
2001	111	357
2002	216	367
2003	152	700
2004	155	260
2005	71	292
2006	71	305
2007	100	329
2008	69	175

**2008 IRRIGATION YEAR SUMMARY
DISTRICT 29**

	ACRE- FEET
DIRECT DIVERSIONS	
IRRIGATION	40,145
STORAGE	432
STOCKWATER	812
MUNICIPAL	1,070
DOMESTIC	89
INDUSTRIAL	0
RECREATION	0
FISH	8,032
OTHER:COMMERCIAL,AUGMENTATION	333
TRANSMOUNTAIN-TRANSBASIN	5,253
INTERSTATE	61,049
TOTAL DIVERSIONS.....	117,215
DELIVERIES FROM STORAGE	
IRRIGATION	71
DOMESTIC	5
MUNICIPAL	0
STOCK	1
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	482
OTHER:AUGMENTATION,ETC.	16
TOTAL DIVERSIONS.....	575
DELIVERIES FROM TRANS SUB-BASIN	
IRRIGATION	2,273
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	2,273
DUTY OF WATER:	
TOTAL TO IRRIGATION	42,489
ACRES IRRIGATED	10,126
ACRE-FEET DIVERTED PER ACRE	4.20
NUMBER OF STRUCTURES OBSERVED	720
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	30
ACTIVE DIVERSIONS-DAILY	139
-INFREQUENT STRUCTURES	193
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	2
-NOT USED (A,C,D, CODES)	353
-NO INFORMATION AVAILABLE (F CODE)	3
NUMBER OF DITCHES, SURFACE RIGHTS	501
NUMBER OF RESERVOIRS	114
NUMBER OF WELLS	90
NUMBER OF OBSERVATIONS	2,448

**2008 IRRIGATION YEAR SUMMARY
DISTRICT 30**

	2008 ACRE- FEET
DIRECT DIVERSIONS	
IRRIGATION	141,542
STORAGE	31,721
STOCKWATER	20,187
MUNICIPAL	5,672
DOMESTIC	244
INDUSTRIAL, POWER	14,753
RECREATION	233
FISH	9,238
OTHER: COMMERCIAL, RECHARGE, AUGMENTATION, etc.	1,084
SNOWMAKING	0
TRANSMOUNTAIN-TRANSBASIN	0
INTERSTATE	12,923
TOTAL DIVERSIONS.....	237,597
DELIVERIES FROM STORAGE	
IRRIGATION	20,862
DOMESTIC	0
MUNICIPAL	0
STOCK	777
INDUSTRIAL, POWER	13,930
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER: COMMERCIAL, RECHARGE, EVAP, AUGMENTATION	1,527
SNOWMAKING	78
TOTAL DIVERSIONS.....	37,174
DELIVERIES FROM TRANSBASIN	
IRRIGATION	40
STORAGE	343
MUNICIPAL	0
STOCK	0
OTHER: COMMERCIAL, RECREATION, etc.	40
TOTAL FROM TRANSBASIN.....	423
DUTY OF WATER:	
TOTAL TO IRRIGATION	162,536
ACRES IRRIGATED	31,318
ACRE-FEET DIVERTED PER ACRE	5.19
NUMBER OF STRUCTURES OBSERVED	1,862
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	300
-INFREQUENT STRUCTURES*	812
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	29
-NOT USED (A,C,D, CODES)	720
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES	1,136
NUMBER OF RESERVOIRS	241
NUMBER OF WELLS	600

**2008 IRRIGATION YEAR SUMMARY
DISTRICT 31**

	2008 ACRE- FEET
DIRECT DIVERSIONS (includes multiple sources)	
IRRIGATION	203,261
STORAGE	100,803
STOCKWATER	8
MUNICIPAL	1,514
DOMESTIC	71
POWER, INDUSTRIAL	292,864
RECREATION	0
FISH	76
OTHER: COMMERCIAL	166
TRANSMOUNTAIN-TRANSBASIN	1,074
TOTAL DIVERSIONS.....	599,837
DELIVERIES FROM STORAGE	
IRRIGATION	10,159
DOMESTIC	0
MUNICIPAL	121
STOCK	1
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER: EVAPORATION, AUGMENTATION	5,046
TOTAL DIVERSIONS.....	15,327
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	213,420
ACRES IRRIGATED	49,325
ACRE-FEET DIVERTED PER ACRE	4.33
NUMBER OF STRUCTURES OBSERVED	909
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	108
-INFREQUENT STRUCTURES	456
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	6
-NOT USED (A,C,D, CODES)	338
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES, OTHER SURFACE RIGHTS	523
NUMBER OF RESERVOIRS	97
NUMBER OF WELLS	357
NUMBER OF OBSERVATIONS	6,334

**2008 IRRIGATION YEAR SUMMARY
DISTRICT 32**

	2008 ACRE- FEET
DIRECT DIVERSIONS	
IRRIGATION	40,240
STORAGE	392
STOCKWATER	22
MUNICIPAL	71
DOMESTIC	3
INDUSTRIAL	25
RECREATION	0
FISH	0
OTHER:COMMERCIAL,FEDERAL RESERVE	14
TRANSMOUNTAIN-TRANSBASIN	0
TOTAL DIVERSIONS.....	40,767
DELIVERIES FROM STORAGE	
IRRIGATION	17,208
DOMESTIC	0
MUNICIPAL	0
STOCK	420
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL,AUGMENTATION,EVAPORATION	37
TOTAL DIVERSIONS.....	17,665
DELIVERIES FROM TRANSBASIN	
IRRIGATION	213,432
STORAGE	18,113
MUNICIPAL	5,289
STOCK	776
POWER	48,487
OTHER:AUGMENTATION	2
TOTAL FROM TRANSBASIN.....	286,099
DUTY OF WATER:	
TOTAL TO IRRIGATION	270,887
ACRES IRRIGATED	58,793
ACRE-FEET DIVERTED PER ACRE	4.61
NUMBER OF STRUCTURES OBSERVED	
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	15
ACTIVE DIVERSIONS-DAILY	269
-INFREQUENT STRUCTURES	123
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	5
-NOT USED (A,C,D, CODES)	322
-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS	
NUMBER OF RESERVOIRS	21
NUMBER OF WELLS	41

**2008 IRRIGATION YEAR SUMMARY
DISTRICT 33**

	2008 ACRE- FEET
DIRECT DIVERSIONS	
IRRIGATION	26,509
STORAGE	1,319
STOCKWATER	2,433
MUNICIPAL	0
DOMESTIC	32
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER:COMMERCIAL	7
TRANSMOUNTAIN-TRANSBASIN	468
INTERSTATE	1,431
TOTAL DIVERSIONS.....	30,768
DELIVERIES FROM STORAGE	
IRRIGATION	1,024
DOMESTIC	0
MUNICIPAL	0
STOCK	14
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:RECHARGE,AUGMENTATION	8
TOTAL DIVERSIONS.....	1,046
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	27,531
ACRES IRRIGATED	5,705
ACRE-FEET DIVERTED PER ACRE	4.83
NUMBER OF STRUCTURES OBSERVED	355
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	48
-INFREQUENT STRUCTURES	97
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	4
-NOT USED (A,C,D, CODES)	206
-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS	293
NUMBER OF RESERVOIRS	30
NUMBER OF WELLS	58
NUMBER OF OBSERVATIONS	7,844

**2008 IRRIGATION YEAR SUMMARY
DISTRICT 34**

	2008 ACRE- FEET
DIRECT DIVERSIONS	
IRRIGATION	21937
STORAGE	7489
STOCKWATER	2990
MUNICIPAL	442
DOMESTIC	20
RECREATION	0
FISH	0
POWER	7254
OTHER:COMMERCIAL,FEDERAL RESERVE,RECHARGE	290
TOTAL DIVERSIONS.....	40,422
DELIVERIES FROM STORAGE	
IRRIGATION	7394
DOMESTIC	0
MUNICIPAL	424
STOCK	55
INDUSTRIAL	0
RECREATION	0
POWER	6472
OTHER:FISHERY,COMMERCIAL,EVAPORATION,AUGMENTATION	51
TOTAL DIVERSIONS.....	14,396
DELIVERIES FROM TRANSBASIN	
IRRIGATION	1164
STORAGE	41
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	1,205
DUTY OF WATER:	
TOTAL TO IRRIGATION	30491
ACRES IRRIGATED	11,183
ACRE-FEET DIVERTED PER ACRE	2.73
NUMBER OF STRUCTURES OBSERVED	
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	4
ACTIVE DIVERSIONS-DAILY	75
-INFREQUENT STRUCTURES	238
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	16
-NOT USED (A,C,D, CODES)	158
-NO INFORMATION AVAILABLE (F CODE)	14
NUMBER OF DITCHES, SURFACE RIGHTS	421
NUMBER OF RESERVOIRS	43
NUMBER OF WELLS	42

**2008 IRRIGATION YEAR SUMMARY
DISTRICT 46**

	2008 ACRE- FEET
DIRECT DIVERSIONS	
IRRIGATION	3,149
STORAGE	0
STOCKWATER	24
MUNICIPAL	0
DOMESTIC	0
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER:EVAPORATION	2
INTERSTATE	2,168
TOTAL DIVERSIONS.....	5,343
 DELIVERIES FROM STORAGE	
IRRIGATION	0
DOMESTIC	0
MUNICIPAL	0
STOCK	0
OTHER:FISH	0
TOTAL DIVERSIONS.....	0
 DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
 DUTY OF WATER:	
TOTAL TO IRRIGATION	
ACRES IRRIGATED	781
ACRE-FEET DIVERTED PER ACRE	0.00
 NUMBER OF STRUCTURES OBSERVED	90
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	38
-INFREQUENT STRUCTURES	13
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	2
-NOT USED (A,C,D, CODES)	37
-NO INFORMATION AVAILABLE (F CODE)	0
 NUMBER OF DITCHES, SURFACE RIGHTS	73
NUMBER OF RESERVOIRS	10
NUMBER OF WELLS	1
NUMBER OF OBSERVATIONS	926

**2008 IRRIGATION YEAR SUMMARY
DISTRICT 69**

	2008 ACRE- FEET
DIRECT DIVERSIONS	
IRRIGATION	1398
STORAGE	270
STOCKWATER	1
MUNICIPAL	0
DOMESTIC	0
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER:	0
TOTAL DIVERSIONS.....	1,669
 DELIVERIES FROM STORAGE	
IRRIGATION	206
DOMESTIC	0
MUNICIPAL	0
STOCK	3
OTHER:	0
TOTAL DIVERSIONS.....	209
 DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	100
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	100
 DUTY OF WATER:	
TOTAL TO IRRIGATION	1607
ACRES IRRIGATED	429
ACRE-FEET DIVERTED PER ACRE	3.75
 NUMBER OF STRUCTURES OBSERVED	47
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	3
ACTIVE DIVERSIONS-DAILY	14
-INFREQUENT STRUCTURES	15
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	5
-NOT USED (A,C,D, CODES)	10
-NO INFORMATION AVAILABLE (F CODE)	0
 NUMBER OF DITCHES, SURFACE RIGHTS	39
NUMBER OF RESERVOIRS	7
NUMBER OF WELLS	1
NUMBER OF OBSERVATIONS	133

**2008 IRRIGATION YEAR SUMMARY
DISTRICT 71**

	2008 ACRE- FEET
DIRECT DIVERSIONS	
IRRIGATION	10,965
STORAGE	120,742
STOCKWATER	208
MUNICIPAL	255
DOMESTIC	12
INDUSTRIAL	0
RECREATION	74
FISH	3,035
POWER (Multiple Sources)	34,041
OTHER:COMMERCIAL,AUGMENTATION	167
TRANSMOUNTAIN-TRANSBASIN	156,156
TOTAL DIVERSIONS.....	325,655
DELIVERIES FROM STORAGE	
IRRIGATION	22
DOMESTIC	0
MUNICIPAL	0
STOCK	156
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	84,081
POWER (See Direct Diversions)	0
OTHER:AUGMENTATION,EVAPORATION	3,426
TOTAL DIVERSIONS.....	87,685
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	10,988
ACRES IRRIGATED	1,515
ACRE-FEET DIVERTED PER ACRE	7.25
NUMBER OF STRUCTURES OBSERVED	252
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	37
ACTIVE DIVERSIONS-DAILY	48
-INFREQUENT STRUCTURES	74
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	4
-NOT USED (A,C,D, CODES)	72
-NO INFORMATION AVAILABLE (F CODE)	17
NUMBER OF DITCHES, SURFACE RIGHTS	207
NUMBER OF RESERVOIRS	31
NUMBER OF WELLS	42
NUMBER OF OBSERVATIONS	5,067

**2008 IRRIGATION YEAR SUMMARY
DISTRICT 77**

	2008 ACRE- FEET
DIRECT DIVERSIONS	
IRRIGATION	24,721
STORAGE	214
STOCKWATER	773
MUNICIPAL	0
DOMESTIC	55
INDUSTRIAL	0
RECREATION	0
FISH	2,101
OTHER:COMMERCIAL	0
INTERSTATE	76,620
TOTAL DIVERSIONS.....	104,484
 DELIVERIES FROM STORAGE	
IRRIGATION	262
DOMESTIC	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
OTHER:FISH	0
TOTAL DIVERSIONS.....	262
 DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
OTHER:MULTIPLE	877
TOTAL FROM TRANSBASIN.....	877
 DUTY OF WATER:	
TOTAL TO IRRIGATION	25,599
ACRES IRRIGATED	2,988
ACRE-FEET DIVERTED PER ACRE	8.57
 NUMBER OF STRUCTURES OBSERVED	
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	77
-INFREQUENT STRUCTURES	29
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	4
-NOT USED (A,C,D, CODES)	46
-NO INFORMATION AVAILABLE (F CODE)	0
 NUMBER OF DITCHES, SURFACE RIGHTS	
NUMBER OF RESERVOIRS	27
NUMBER OF WELLS	34
NUMBER OF OBSERVATIONS	1,606

**2008 IRRIGATION YEAR SUMMARY
DISTRICT 78**

	2008 ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	23,605
STORAGE	1,506
STOCKWATER	317
MUNICIPAL	28
DOMESTIC	58
INDUSTRIAL	0
RECREATION	0
FISH	375
OTHER:COMMERCIAL	9
TRANSMOUNTAIN-TRANSBASIN	546
TOTAL DIVERSIONS.....	26,444
DELIVERIES FROM STORAGE	
IRRIGATION	398
DOMESTIC	0
MUNICIPAL	2,543
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL	3
TOTAL DIVERSIONS.....	2,944
DELIVERIES FROM TRANSBASIN	
IRRIGATION	318
STORAGE	1,118
MUNICIPAL	312
STOCK	0
TOTAL FROM TRANSBASIN.....	1,748
DUTY OF WATER:	
TOTAL TO	
IRRIGATION	25,191
ACRES IRRIGATED	4,053
ACRE-FEET DIVERTED PER ACRE	6.22
NUMBER OF STRUCTURES OBSERVED	331
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	10
ACTIVE DIVERSIONS-DAILY	81
-INFREQUENT STRUCTURES	76
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	2
-NOT USED (A,C,D, CODES)	158
-NO INFORMATION AVAILABLE (F CODE)	4
NUMBER OF DITCHES, SURFACE RIGHTS	238
NUMBER OF RESERVOIRS	69
NUMBER OF WELLS	32
NUMBER OF OBSERVATIONS	2,023

