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WATER RESOURCES  
STATE DEPARTMENT  
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Water Admin.

## I. WATER ADMINISTRATION

### A. CURRENT WATER YEAR

As the water year began all indications were that we would be having a normal or above normal water supply. The forecast as of March 1, 1989 was for a 20% above-normal runoff. However, the remainder of the year received less than 60% of average precipitation and unseasonably warm dry winds during March depleted much of the existing snow pack before the runoff began. The Soil Conservation Service Water Supply Forecast projected 115% of normal for the La Plata River as of March 1, 1989. By the June 1, 1989 forecast, the projection was 67% and, in fact, the resulting flows for the year were only 60% of normal. The spring and summer months were very dry with record high temperatures, and it was not until the last week of July that any precipitation occurred in the basin.

The U. S. Forest Service had a "no open burning" policy in effect for all of the forests for most of the summer and there were still numerous forest fires. Mesa Verde National Park had a major fire which forced the closing of the park until the fire could be brought under control.

Meetings were held in early April with irrigators and reservoir users and they were encouraged to manage their available storage carefully. The computer system and satellite monitoring stations provided up-to-date readings as to the amount of runoff which had already occurred, a projection of supplies based on current snow conditions, and the development of a delivery plan, which was of extreme importance to the water users. The availability of accurate stream flow data on a day-to-day basis throughout the season allowed for careful management of the available water supply.

Administrative calls were placed by water users on Elbert Creek, Four Mile Creek, and the La Plata, Little Blanco, Mancos, Florida, and Pine Rivers. The call period began for the purpose of filling the reservoirs in late March and continued until the end of September for most streams, and to the end of November on the La Plata River.

The Dolores River system was not formally placed under administration due to the high volume of carryover storage in McPhee Reservoir. However, before the end of summer, the Montezuma Valley Irrigation System used up all of their available storage water from the Dolores Project. The Cortez area received only 5.23 inches of precipitation for the year and consequently, the crop requirements for irrigation was very high.

The Dolores Project is continuing to construct canals, laterals, and pump stations in the Dove Creek area. There is a total of 7,700 acres of new land now being irrigated by sprinkler systems. There was certainly a strong contrast between those lands with irrigation water and those without. For all practical purposes, dry land alfalfa produced less than 1/2 ton per acre and many fields were not even harvested. Those in the Project area receiving water produced 4 to 5 tons per acre. The value of the water was quite apparent.

The lawsuit concerning the Dolores Project which was filed by farmers who wished to be dropped from the Project is still being litigated. There has been a decision by the judge that all water users of the Project need to be served and joined in the suit, and that the personal income tax records of the petitioners need to be supplied to the District. These two developments have prompted some negotiation for settlement by the plaintiffs, but as yet no agreement between the District and the farmers has been reached.

The Animas-La Plata Project and the Indian Settlement Agreement are both still on schedule. The repayment contracts for all water users have been signed, including the Southern Ute and Ute Mountain Utes, the city of Farmington, the rural water users in New Mexico, and the San Juan County Commissioners in New Mexico. A suit has been filed in New Mexico against the San Juan water users, challenging the validity of the contract since no election was held. The U.S. Bureau of Reclamation has received funding for the Project from congress and they are hoping to have a ground breaking and construction start in early 1990.

This past summer, the Division 7 office has been field checking all existing beneficial use claims on both reservations as required in the Indian Settlement Agreement, and we are very near the completion of this data which will be included in the Indian Water Right Settlement Decree. The attorneys for all parties plan to file a consent decree settling the Indian water right claims in southwest Colorado with the Division 7 water court in April 1990.

The San Juan-Chama Project has again been the subject of controversy concerning the bypass flows on the Blanco River. Several citizens have raised concern about the silt problems and the size of the minimum flows. Our office has formed an advisory group which includes representatives from the Bureau of Reclamation, U.S. Forest Service, U.S. Fish and Wildlife, Colorado Division of Wildlife, Trout Unlimited, Southwestern Water Board, and water users on the Blanco River. Meetings are being held monthly and the committee hopes to find solutions to the many water quality and quantity problems on the Blanco River.

The Division staff has been very busy this past year, primarily dealing with water administration problems concerning the drought condition. There were several daily problems regarding distribution of water, and numerous public meetings were held to explain the priority system to the general administrative parties. The Florida Water Conservancy District and our agency resolved a long-standing controversy concerning the accounting of Project water and administration of the Florida River. Their reservoir manager did not agree with the water commissioner's accounting and a large discrepancy developed. Several meetings were held with the Board of Directors and we were able to reach agreement and the reservoir operator is now using our system.

Other activities by the staff included attendance at the State Personnel Management training class by four members of the staff; the presenting and publishing of a paper concerning the operation of the Pine

River by Ken Beegles, Assistant Division Engineer at the Fort Collins Water Symposium; the completion of the state-wide water commissioner manual; installation of a weather station at the Pine River stream gage by hydrographer Scott Brinton and water commissioner Hal Pierce; public meetings held on the Indian Settlement Decree in Pagosa Springs, Durango and Cortez; installation of a computer for water commissioner Russell Kennedy, and attendance of several public meetings.

There has been limited involvement concerning the ongoing problems associated with the drilling of oil and gas wells and their effect on existing ground water. In some instances, water wells have been contaminated with natural gas. The Colorado Oil and Gas Commission is working on the problem and our agency has been involved in explaining to the public the general ground water laws and the relationship of ground water to surface water.

The developing drought situation has resulted in several inquiries from the news media including radio stations, T.V. stations, and newspapers both in Colorado and New Mexico. The Division Engineer and Assistant Division Engineer have both been involved in providing information to the media.

The staff was able to take a day long field trip to the Pagosa Springs area where we observed the operation of the geothermal heating system owned by the Town of Pagosa Springs. We then toured the San Juan-Chama diversion facilities on the Navajo River.

The new water commissioners attended a two-day training seminar in Montrose where they were given instructions on dam safety, ground water, and duties of a water commissioner. The workshop was a joint effort by Divisions 7, 4 and 5, and presentations were made by the division engineers, dam inspectors and members of the Denver ground water section.

The past year's budget allocation was not adequate to meet our needs, particularly as a result of the drought conditions and the increased cost of adding a Dam Safety Inspector to our staff. We overspent approximately \$1,500 and consequently, we are instituting mileage and travel restrictions during the months of December, January, February and March, as well as other cost reducing measures which will hopefully keep us on track this fiscal year.

A computerized budget accounting system has been developed and the division secretary Ann Fauth, has been able to provide current monthly status reports which are quite accurate and more timely than those provided through the general accounting system. This has been extremely effective in helping us evaluate our expenditures and make comparisons to last year's budget.

The water court activities during the past year were somewhat limited. We had only 98 cases filed for 1989. We have been able to stay up to date with water court consultations.

Amendments have been made to the Forest Service reserved claims to include flows for forest preservation. These amendments are the result of a new theory developed by the U.S. Forest Service which maintains that the streams on the forest have to have certain flows for preservation of the purposes for which the forest was established. A whole new science has been developed to support their theory which involves the study of hydrology and stream flow conditions as they relate to timber management. The term most often used is "fluvial geomorphology". The Forest Service has also filed in the other six divisions and the first trial has been scheduled in the Division 1 water court.

Through the efforts of our Dam Safety Inspector, the dams in Division 7 are being carefully inspected and there has been a steady improvement in the general condition of ths structures. During the past year repairs were made to Bauer Reservoir No. 1. The dam was completely breached, a new outlet installed, and the fill was replaced. The owners of Keeler Reservoir plan to install a new outlet gate and slipline the existing conduit this summer and plans have been submitted for our review.

#### B. COMING WATER YEAR

The potential workload for the upcoming year includes the publishing of the 1989 Tabulation and preparing the 1990 Abandonment List. Both projects are up to date as to compiling the necessary data, and the 1989 Tabulation has been completed and printed.

We will also see a greater demand being placed on our water commissioners if the drought conditions continue. Presently, we only have a 10% snow pack and the thirty-day forecast does not indicate much change in the current weather patterns. The division workload and budget will be greatly impacted unless the precipitation outlook improves. We are presently trying to save travel money because it may be needed at a higher rate when the irrigation season begins.

The division office will remain active in the San Juan-Chama Advisory Committee, the Indian Water Right Settlement case, the Animas-La Plata Project, and planning the delivery of water supplies to minimize the impact of drought conditions.

If the drought conditions continue it will be necessary to work with the municipalities, counties, irrigators, and the Indian tribes to manage the limited water supply. This will certainly involve the largest amount of staff time for the 1990 irrigation year.

## Statistic Info



TRANSMOUNTAIN DIVERSION SUMMARY

DIVISION 7

SOURCE DISTRICT	NAME	1989 WATER YEAR		1988 WATER YEAR		RIVER	DISTRICT	RIVER
		ACRE-FEET DIVERTED	# OF DAYS DIVERTED	ACRE-FEET DIVERTED	# OF DAYS DIVERTED			
	TREASURE PASS DITCH	172	47	223	57	SAN JUAN RIVER	20	RIO GRANDE RIVER
	CARBON LAKE DITCH	98	46	574	133	ANIMAS RIVER	68	UNCOMPAHGRE RIVER
	MINERAL POINT DITCH	99	84	120	57	ANIMAS RIVER	68	UNCOMPAHGRE RIVER
	RED MOUNTAIN DITCH	107	113	2.78	14	ANIMAS RIVER	68	UNCOMPAHGRE RIVER
	PINE RIVER-WEMINUCHE PASS D.	460	37	865	83	PINE RIVER	20	RIO GRANDE RIVER
	WEMINUCHE PASS DITCH	692	30	596	61	PINE RIVER	20	RIO GRANDE RIVER
	WILLIAMS CREEK-SQUAW PASS D.	238	75	230	63	PIEDRA RIVER	20	RIO GRANDE RIVER
	DON LA FONT #1 (S RIVER PEAK)	58	81	234	148	PIEDRA RIVER	20	RIO GRANDE RIVER
	DON LA FONT #2 (PIEDRA PASS D.)	244	95	552	147	PIEDRA RIVER	20	RIO GRANDE RIVER

RESERVOIR STORAGE SUMMARIES

RESERVOIR DISTRICT	SOURCE STREAM	IRRIGATION YEAR 1989			IRRIGATION YEAR 1988		
		BEGINNING IRRIGATION YEAR STORAGE	BEGINNING IRRIGATION SEASON STORAGE	END OF IRRIGATION YEAR STORAGE	BEGINNING IRRIGATION YEAR STORAGE	BEGINNING IRRIGATION SEASON STORAGE	%
ECHO CANYON RESERVOIR	ECHO CREEK	2149	2149	100	2000	2149	100
HARRIS BROS. & BOONE #2	RIO BLANCO	114	206	100	114	206	100
	TOTALS	2263	2355	2263	2114	2355	
CASCADE RESERVOIR	CASCADE CREEK	21890	9212	39	18645	22885	98
DURANGO REGULATORY	FLORIDA RIVER	227	227	98	227	227	98
JOHNSON RESERVOIR	LIGHTNER/LA PLATA	889	1136	100	1024	1136	100
LEMON RESERVOIR	FLORIDA RIVER	30173	37968	95	20430	40144	100
	TOTALS	53179	48543	32111	40326	64392	
VALLECITO RESERVOIR	PINE RIVER	74000	112362	87	58223	107000	82
WOMMER RESERVOIR	BEAR CREEK	208	208	100	208	208	100
	TOTALS	74208	112570	42943	58431	107208	
A. M. PUEIT RESERVOIR	DOLORES RIVER	423	2402	100	586	2402	100
NARRAGUINNEP RESERVOIR	DOLORES RIVER	14575	18960	100	14575	18960	100
TOITEN RESERVOIR	DOLORES RIVER	2384	3064	93	2168	3063	93
	TOTALS	17382	24426	13394	17329	24425	

RESERVOIR STORAGE SUMMARIES

R ICT	RESERVOIR NAME	SOURCE STREAM	IRRIGATION YEAR 1989				IRRIGATION YEAR 1988				
			BEGINNING IRRIGATION YEAR STORAGE	BEGINNING IRRIGATION SEASON STORAGE	%	END OF IRRIGATION YEAR STORAGE	BEGINNING IRRIGATION YEAR STORAGE	BEGINNING IRRIGATION SEASON STORAGE	%		
	RED MESA WARD RESERVOIR	LA PLATA RIVER	0	1176	100	76	288	24	1176	100	
	TOTALS		0	1176		76	288		1176		
	BAUER RESERVOIR # 1	CRYSTAL CREEK	98	202	58	0	115	33	256	73	
	BAUER RESERVOIR # 2	CRYSTAL CREEK	966	1533	100	324	880	57	1533	100	
	JACKSON GULCH RESERVOIR	MANCOS RIVER	7276	9948	100	2756	5114	51	9948	100	
	SELLARS & McCLANE RESV.	MUD CREEK	24	52	100	24	17	33	52	100	
	WEBER RESERVOIR	MIDDLE MANCOS R	200	442	100	66	231	52	442	100	
	TOTALS		8564	12177		3170	6357		12231		
	BELMAR LAKE RESERVOIR	RINCONE CREEK	0	326	70	300	0	0	0	0	
	MORRISON RESERVOIR	MORRISON CREEK	100	116	100	90	100	86	116	100	
	TOTALS		100	442		390	100		116		
	BIG PINE RESERVOIR	LOST CANYON CREEK	159	209	45	36	109	24	259	56	
	GROUNDHOG RESERVOIR	GROUNDHOG CREEK	10300	21358	98	13740	10300	47	20180	93	
	SUMMIT RESERVOIR	LOST CANYON CREEK	1505	4795	81	714	1298	22	5012	84	
	MCPHEE RESERVOIR	DOLORES RIVER	324956	381206	100	321628	326012	86	379380	100	
	TOTALS		336920	407568		336118	337719		404831		

RESERVOIR STORAGE SUMMARIES

CT	RESERVOIR NAME	SOURCE STREAM	IRRIGATION YEAR 1989			IRRIGATION YEAR 1988					
			BEGINNING IRRIGATION YEAR STORAGE	BEGINNING IRRIGATION SEASON STORAGE %	END OF IRRIGATION YEAR STORAGE	BEGINNING IRRIGATION YEAR STORAGE	BEGINNING IRRIGATION SEASON STORAGE %				
	SAPPINGTON RESERVOIR	COYOTE CREEK	185	56	332	100	254	216	65	320	96
	SPENCE RESERVOIR	COYOTE CREEK	208	47	409	93	322	350	79	441	100
	TOTALS		393		741		576	566		761	
	G. S. HATCHER RESERVOIR	STOLLSTEIMMER CR.	1500	86	1735	100	1285	1618	93	1735	100
	LAKE FOREST RESERVOIR	STOLLSTEIMMER CR.	216	46	465	100	347	400	86	500	108
	LINN & CLARK RESERVOIR	DUTTON CREEK	1175	92	1230	96	924	947	74	1175	92
	PARGIN RESERVOIR	STOLLSTEIMMER CR.	506	94	540	100	500	531	98	531	98
	STEVENS RESERVOIR	DUTTON CREEK	635	100	635	100	635	424	67	635	100
	TOWN CENTER RESERVOIR	STOLLSTEIMMER CR.	360	51	600	86	437	360	51	600	86
	WILLIAMS CR. RESERVOIR	WILLIAMS CREEK	10084	100	10084	100	10084	10084	100	10084	100
	TOTALS		14476		15289		14212	14364		15260	

1989 IRRIGATION YEAR WATER DIVERSION SUMMARIES BY DISTRICT

TOTAL DITCHES REPORTING

CT	ACTIVE		INACTIVE		ESTIMATED NUMBER OF VISITATIONS	TOTAL DIVERSIONS (ACRE-FEET)	TOTAL DIVERSIONS TO STORAGE (ACRE-FEET)	TOTAL DIVERSIONS TO IRRIGATION (ACRE-FEET)	TOTAL ACRES IRRIGATED	AVERAGE ACRE-FEET PER ACRE
	WA	NWA	NU	NR						
281	2	86	11	4,091	96,675	105	66,376	13,795	4.81	
764	19	315	0	7,824	236,029	25,410	190,324	32,403	5.87	
407	10	96	0	4,914	226,578	50,398	245,558 <sup>1/</sup>	69,427	3.54	
240	5	62	0	4,382	63,215	8,207	280,975 <sup>2/</sup>	49,455	5.68	
82	18	20	0	5,145	24,477	1,622	17,835	9,663	1.85	
96	5	17	1	1,556	38,549	5,040	38,539	10,637	3.62	
37	0	7	0	849	8,531	0	8,530	1,735	4.92	
22	0	15	0	165	5,855	91	5,669	1,251	4.53	
109	2	67	8	3,051	204,364	81,456	12,419	1,762	7.05	
100	0	17	0	2,370	58,476	348	25,644	3,720	6.89	
140	5	41	3	2,555	30,197	1,572	27,765	6,927	4.01	
2,278	66	743	23	36,902	992,946	174,249	919,634	200,775	4.58	

Total deliveries from transbasin (Dist. 71) 218,553 A.F., of which 202,982 A.F. were for irrigation

Total deliveries from transbasin (Dist. 71) 648 A.F., of which 610 A.F. were for irrigation.

1989 WATER YEAR DIVERSION SUMMARIES BY DISTRICT IN ACRE-FEET

TRANS- MOUNTAIN OUTFLOW	TRANS- BASIN OUTFLOW	STOCK	MUNICIPAL	DOMESTIC	INDUSTRIAL	RECREATION	FISH	COMMERCIAL	OTHER	INTER- STATE/ COMPACT
293	126	6,003	517	86	0	0	821	2,074	3	20,402 <sup>1/</sup>
521	0	10,489	5,482	201	30,214	258	13,238	479	489	7,045
1,152	0	306	966	41	0	0	0	79	0	0
0	0	1,894	4,437 <sup>2/</sup>	16	1	0	0	1	0	0
0	366	4,407	1	22	1	1	0	4	2	1,218 <sup>3/</sup>
0	0	2,997	1,347	12	0	0	6	22	0	0
0	0	1	0	0	0	0	0	0	0	0
0	0	29	0	1	0	0	179	0	0	0
0	174,733 <sup>4/</sup>	192	487	32	0	8	3,116	6	3	0
0	0	28	0	15	1	0	5,442	2	0	27,301 <sup>1/</sup>
540	0	1,732	680	28	0	0	695	86	0	0
2,506	175,225	28,078	13,917	454	30,217	267	23,497	2,753	497	55,966

Diverted through San Juan-Chama Project to New Mexico

4,437 A.F. delivered from transbasin - District 71

Total diverted by Enterprise and Pioneer Ditches only to New Mexico

Diverted to Districts 34 and 32

LA PLATA RIVER COMPACT MONTHLY ADMINISTRATIVE SUMMARY IN ACRE FEET

MONTH	HESPERUS STATION	LA PLATA & CHERRY CR. DITCH	PINE RIDGE DITCH	HESPERUS TOTAL	STATE LINE STATION	ENTERPRISE (NEW MEXICO)		PIONEER DITCH	DELIVERED STATE LINE TOTAL	REQUIRED TOTAL (1/2 HESPERUS)
						DITCH	DITCH			
APRIL	471	0	0	471	849	0	0	0	849	---
MAY	426	0	0	426	1030	0	0	0	1030	---
JUNE	431	0	0	431	1300	0	0	0	1300	---
JULY	3120	0	0	3120	4170	0	0	0	4170	---
AUGUST	5792	101	338	6231	3120	96.4	65.5	0	3282	2327
SEPTEMBER	3879	1665	263	5808	2520	146	200	0	2866	2872
OCTOBER	1794	865	8.7	2667	1081	139	143	0	1363	1400
NOVEMBER	1121	64.9	0	1186	382	37.3	67.2	0	442	593
DECEMBER	1044	49.4	0	1094	561	97.6	78.1	0	737	569
TOTAL	370	0	0	370	208	0	4.6	0	213	187
	419	0	53.4	472	262	0	0	0	262	237
	258	0	18.4	275.9	135	0	0	0	135	138
	19125	2745.3	681.5	22551.9	15618	516.3	558.4	0	16649	8323

NEW MEXICO REQUESTED REQUIRED AMOUNT UP TO 90 CFS, APRIL 10, 1989

BEGINNING JUNE 30, COLORADO DIVERTED ALL STREAM FLOWS AT HESPERUS LEAVING LOWER LA PLATA RETURN FLOWS FOR NEW MEXICO, AS PER AGREEMENT

RAINFALL BEGAN JULY 22, AND FLOWS WERE BYPASSED AT HESPERUS TO MEET STATE LINE DELIVERIES, WHICH TOOK UNTIL JULY 27 TO REACH NEW MEXICO

STATELINE DELIVERIES BEING MET BY RETURN FLOWS FROM SEPTEMBER 1 TO NOVEMBER 30

UPPER BASIN COMPACT  
SAN JUAN-CHAMA DIVERSIONS

WATER YEAR	RIO BLANCO DIVERSION	LITTLE OSO DIVERSION	OSO DIVERSION	TOTAL COLO. DIVERSION	AZOTEA TUNNEL USGS BOOKS	TEN-YEAR TOTALS (USGS)
1971	25190	1340	24980	51510	59980	
1972	28290	1120	24310	53720	58070	
1973	70900	9720	79810	160430	153300	
1974	25290	1070	18700	45060	47230	
1975	58780	8120	69200	136100	145100	
1976	41000	2420	36950	80370	85230	
1977	13450	37	3930	17417	19390	
1978	44010	2820	50310	97140	104200	
1979	60150	8980	87730	156860	164200	
1980	57760	6970	72460	137190	143600	
1981	25690	1640	22260	49590	53960	980300
1982	48340	6860	63810	119010	127100	974280
1983	46960	8110	69680	124750	134300	1043310
1984	45180	6070	55220	106470	113600	1024310
1985	32700	9630	44630	86960	91800	1090680
1986	35520	4720	43620	83860	89180	1037380
1987	32120	4380	42360	78860	89180	1041330
1988	29200	972	29780	59952	83050	1104990
1989	20400	672	26630	47702	63530	1064320
AVG.	38,996	4,508	45,598	89,103	96,490	1,040,100

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



WATER DIVISION NO. 7

P L A N S F O R A U M E N T A T I O N

1989

Water Court Case #	Name	Water Dist.	Stream	Amount of Water to be Released (AF or cfs)	Time of Release	Brief Statement of Plan
19CW2	La Plata Irrigating Ditch	33	La Plata R.	0.0082 c.f.s.		wells in subdivision
19CW15	Durango West Well No. 9	30	Animas R.			to replace Well #1 under case W-1461-76 and use as specified under W-1811-78, aug. plan from La Plata Irrigating Ditch
19CW34	Toner-Stevens Ditch	78	Piedra R.	1.0 c.f.s.		well for Trailer Park
19CW32	Hay Gulch Ditch	33	La Plata R.	0.03 c.f.s.		Pinewood Mobile Home Park Well #1
19CW37	Snyder Springs No. 1 & 2, Wyckoff Pond #1	30	Elbert Creek	0.318 A.F.		for 3 single family home sites

WATER DIVISION NO. 7

ACTIVITY SUMMARY FY 1989

<u>ACTIVITY</u>	<u>TOTALS</u>
NUMBER OF PROFESSIONAL AND TECHNICAL STAFF	4
NUMBER OF CLERICAL STAFF	1
NUMBER OF WATER COMMISSIONER FTE ASSIGNED	13
NUMBER OF DECREED SURFACE RIGHTS	90
NUMBER OF SURFACE RIGHTS ADMINISTERED/OBSERVATIONS	28,011
NUMBER OF WELLS	790
NUMBER OF PLANS FOR AUGMENTATION	2
NUMBER OF CONSULTATIONS WITH REFEREE	134
NUMBER OF WATER COURT APPEARANCES	12
NUMBER OF MEETINGS WITH WATER USERS	103
NUMBER OF MEETINGS TO RESOLVE WATER RELATED DISPUTES	37
NUMBER OF CONTACTS TO GIVE PUBLIC ASSISTANCE ON WATER MATTERS	14,231

WATER COURT ACTIVITIES

CALENDAR YEAR 1989

NUMBER OF APPLICATIONS FOR DECREES	98
NUMBER OF CONSULTATIONS WITH REFEREE	101
NUMBER OF DECREES ISSUED BY WATER COURT	85
<u>TYPE OF DECREE:</u>	
SURFACE WATER	57
GROUND WATER	17
RESERVOIRS	36
TRANSFER	4
ALTERNATE POINT	1
CHANGE IN USE	2
PLANS FOR AUGMENTATION	2
IN-STREAM FLOW	1
OTHER	64
NUMBER OF STRUCTURES IN DECREES:	
<u>TYPES OF STRUCTURES:</u>	
DITCHES	30
RESERVOIRS	37
WELLS	17
OTHER (SPRINGS, PIPELINES, PUMPS, ETC. )	29
TOTAL STRUCTURES	297



Animas River

DISTRICT 30-A AUGMENTED WELLS

<u>AUGMENTED WELL</u>	<u>AUGMENTING STRUCTURE OR PLAN</u>	<u>STATUS</u>
5089 ANIMAS WELL #1	3720 BONNER POND	ACTIVE
5090 ANIMAS WELL #2	3720 BONNER POND	ACTIVE
5084 DURANGO ESTATES WELL 1	DURANGO ESTATES LAKE & SITES D.	INACTIVE
5085 DURANGO ESTATES WELL 2	DURANGO ESTATES LAKE & SITES D.	INACTIVE
6224 DURANGO WEST WELLS 5, 6, 8	VAN ENDERT D. AND COVERT D. 80CW58	ACTIVE
6243 DURANGO WEST WELL 3	LA PLATA IRRIGATING D. 82CW48	INACTIVE
6244 DURANGO WEST WELL 7	LA PLATA IRRIGATING D. 82CW48	INACTIVE
6276 DURANGO WEST WELL 9	LA PLATA IRRIGATING D. 82CW48	ACTIVE
5080 FJERSTAD WELLS 1, 2	3720 BONNER POND	ACTIVE
3770 FLYING S WELLS	FLYING S POND	INACTIVE
5026 GOLF HOST WEST D-1	TAMARRON AUG PLAN W-1095	ACTIVE
5103 HAYS WELL	BUTLER D.	INACTIVE
3700 LAKEWOOD MEADOWS SUB 2	BRADFORD RESERVOIR	ACTIVE
6176 LA PLATA VISTA WELLS	LA PLATA IRRIGATING D. W-1535	ACTIVE
5112 PERMISON WELL 1	3733 PERMISON RESERVOIR	INACTIVE
5093 PERMISON WELL 2	3747 PERMISON RESERVOIR #2	INACTIVE
5048 PURGATORY WELL 1	PURGATORY AUG. PLAN 80CW135	INACTIVE
5049 PURGATORY WELL 2	PURGATORY AUG. PLAN 80CW135	INACTIVE
5050 PURGATORY WELL 3	PURGATORY AUG. PLAN 80CW135	INACTIVE
5095 PURGATORY WELL 4	PURGATORY AUG. PLAN 80CW135	ACTIVE
5096 PURGATORY WELL 5	PURGATORY AUG. PLAN 80CW135	ACTIVE
6297 RAFTER J 86BC WELL	LA PLATA IRRIGATING D. W-1446	ACTIVE
6173 RAFTER J 182B WELL	LA PLATA IRRIGATING D. W-1446	ACTIVE
6296 RAFTER J 182C WELL	LA PLATA IRRIGATING D. W-1446	ACTIVE
6174 RAFTER J 214 WELL	LA PLATA IRRIGATING D. W-1446	INACTIVE
6175 RAFTER J 47 WELL	LA PLATA IRRIGATING D. W-1446	INACTIVE
5091 SAN HILL WELL 1	3742 SAN HILL RESERVOIR #1	INACTIVE
5118 TAMARRON WELL D-2	TAMARRON AUG. PLAN W-1095	ACTIVE
5119 TAMARRON WELL D-3	TAMARRON AUG. PLAN W-1095	INACTIVE

Florida R. Wells

1989

DIVISION 7 DISTRICT 30 FLORIDA RIVER

AUGMENTED WELLS AND SPRINGS FOR RESIDENTIAL AND SUBDIVISION USE

ALL WELLS AND SPRINGS METERED EXCEPT AS NOTED

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I. D.

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



I. D.

6160	LUTTRELL WELL
6185	MAC DOUGALL WELL - TWO HOUSEHOLDS
6163	MOUNTAIN MEADOWS SUBDIVISION - 3 WELLS
6233	MOUNTAIN VISTA RANCHES NO. 2 WELL
6241	O-BAR-O WELL
6236	PURDY NO. 1 WELL
6237	PURDY NO. 2 WELL - NOT CONSTRUCTED
6238	PURDY NO. 3 WELL
6082	RANCHOS FLORIDA WELL NO. 1
6131	RUTHERFORD & RHODES WELL
1398	SPRING VALLEY PIPELINE
6266	SQUAW APPLE ESTATES - 1 WELL
6187	SWANK LOT #3 WELL - NOT CONSTRUCTED
6169	D-K SUBDIVISION WELLS - 21 WELLS - 20 METERED
6196	TRICE WELL
6181	TRIOLA WELL
6265	VARIS WELL NO. 1
6265	VARIS WELL NO. 2 - NOT CONSTRUCTED
6180	WAYNE SUBDIVISION WELL
6170	WILSON WELL - NOT CONSTRUCTED

COMMERCIAL AND MUNICIPAL WELLS NOT AUGMENTED

WELLS AND SPRINGS METERED

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6000	AIRPORT SPRING AND COLLECTION BASIN
6147	GATES WELL
6157	GRANDVIEW NO. 1 WELL
6198	GRANDVIEW NO. 2 WELL
	KAYE WELL NO. 1
	NORTH RAY AND EAST MARK WELLS - SAME ADJUDICATION
6148	LA BOCA WELL NO. 1
6149	LA BOCA WELL NO. 2
6161	MORTIMER WELL NO. 2
1168	PACIFIC NORTHWEST PIPELINE
6215	TURNER WELL NO. 1
6164	VANDEGRIFF WELL

SUMMARY

127 TOTAL WELLS  
111 METERED  
13 NOT CONSTRUCTED  
2 NOT IN USE  
1 NOT METERED

## Pine River Lists

1989

DIVISION 7 DISTRICT 31 PINE RIVER  
WELLS AND OTHER STRUCTURES COVERED BY  
PINE RIVER IRRIGATION DISTRICT EXCHANGE PLANS  
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I. D.

731 A POND DITCH - POND EVAPORATION  
5141 ABERNATHY WELL - COMMERCIAL - METERED  
727 B POND DITCH - POND EVAPORATION  
5109 BARNHARDT WELL - COMMERCIAL - METERED  
5023 BEUTEN WELL 60708 - COMMERCIAL - METERED  
5123 BEAVER CREEK DEV. CO. WELL NO. 2 - CONDITIONAL  
5128 BEAVER CREEK DEV. CO. WELL NO. 3 - CONDITIONAL  
5129 BEAVER CREEK DEV. CO. WELL NO. 4 - CONDITIONAL  
5008 BISHOP BROTHERS WELL - COMMERCIAL - METERED  
648 BLACK SPRING - DOMESTIC - NOT METERED  
5097 BLUE SPRUCE WELL - COMMERCIAL - METERED  
638 BURCH BRADEN SHAW SPRING - COMMERCIAL - METERED  
5061 C. WHEAT WELL NO. 1 - COMMERCIAL - METERED  
644 CAIN PIPELINE - DOMESTIC - METERED  
642 CASKEY PUMP AND PIPELINE - DOMESTIC - METERED  
5089 CAVIGGIA WELL - COMMERCIAL - NOT METERED  
607 CLAUDE DECKER SUB. PIPELINE - COMMERCIAL - METERED  
5032 COOL WATER INC. WELL - COMMERCIAL - METERED  
5135 CROSSING CREEK WELL NO. 1 - DOMESTIC - METERED  
820 D-CREEK FISHERY - POND EVAPORATION  
685 DARK CANYON SPRING AND PIPELINE - COMMERCIAL - NOT METERED  
584 DUNSWORTH PIPELINE - COMMERCIAL - METERED  
5103 DUSTIN WELL - DOMESTIC - NOT METERED  
640 E. C. GRINDSTAFF PUMP - DOMESTIC - METERED  
5113 EIGHT CORNERS REPLACEMENT WELL - COMMERCIAL - METERED  
5087 FIVE BRANCHES WELL - COMMERCIAL - METERED  
680 FREEMAN CREEK DITCH AND PIPELINE - COMMERCIAL - METERED  
825 GRAHAM FISH POND - POND EVAPORATION  
633 H AND M PRICE PUMP STATION - DOMESTIC - METERED  
621 HAPPY SCENES PIPELINE - COMMERCIAL - METERED  
826 HICKS PUMP - IRRIGATION - METERED  
5105 HILL WELL - DOMESTIC - METERED  
5140 HODGSON WELL NO. 1 - DOMESTIC - METERED  
5030 JOE FORD WELL NO. 2 - COMMERCIAL - METERED  
5091 JONES WELL - COMMERCIAL - METERED  
646 K. R. BAILEY WATERLINE - DOMESTIC - METERED  
5130 KLOCK WELL - COMMERCIAL - METERED  
5074 LAKE VISTA ESTATES WELL NO. 2 - CONDITIONAL  
5009 MARRS AND DOYLE WELL - COMMERCIAL - METERED, BACKUP WELL FOR ID 5079  
724 McDONALD PUMP - DOMESTIC - METERED

I. D.

721 MIDDLETON PUMP - DOMESTIC - METERED  
5122 MINKLER WELL - DOMESTIC - METERED  
5131 MINKLER WELL NO. 2 - DOMESTIC - METERED  
775 MUELLER DOMESTIC WATER SYSTEM - DOMESTIC - METERED  
634 NOORWOOD RESIDENCE PUMP AND P. L. - DOMESTIC - METERED  
3728 OUR FISHING HOLE - POND EVAPORATION  
5101 PACK WELL - DOMESTIC - NOT METERED  
3710 PAPAS POND - POND EVAPORATION  
763 PATS POND - POND EVAPORATION  
636 PIGFORD DIVERSION - DOMESTIC - METERED  
5115 POFFENBERGER WELL - DOMESTIC - NOT METERED  
5133 PONDEROSA WELL NO. 3 - COMMERCIAL - METERED  
5082 PONDEROSA WELL - COMMERCIAL - METERED  
5142 RANCATTI WELL - DOMESTIC - NOT METERED  
5099 RESTHAVEN WELL - COMMERCIAL - METERED  
5100 RIBAUDO WELL - COMMERCIAL - NOT METERED - BUSINESS CLOSED  
720 RICKETTS PUMP - DOMESTIC - METERED  
639 ROBERT BURCH SPRING NO. 2 - COMMERCIAL - METERED  
5029 RUSSELL WELL - COMMERCIAL - METERED  
5132 RUWWE WELL - DOMESTIC - NOT METERED  
5079 SAFARI WELL - COMMERCIAL - METERED  
5033 SAFLEY WELL - COMMERCIAL - METERED  
5116 SCHMIDT WELL - DOMESTIC - NOT METERED  
693 SHUPE SPRING AND PIPELINE - COMMERCIAL - METERED  
5092 SILVER SPRUCE WELL - COMMERCIAL - METERED  
741 SILVER STREAMS LODGE POND - POND EVAPORATION  
5088 SILVER STREAMS WELL NO. 1 - COMMERCIAL - METERED  
744 STAININGER PUMP - DOMESTIC - METERED  
595 STARDUST SPRING AND PIPELINE - COMMERCIAL - METERED  
5117 SWIER WELL NO. 1 - DOMESTIC - METERED  
5118 SWIER WELL NO. 2 - DOMESTIC - NOT METERED  
5110 TUTHILL WELL NO. 2 - COMMERCIAL - METERED  
5039 VALLECITO RESORT WELL NO. 1 - COMMERCIAL - METERED  
5045 VALLECITO RESORT WELL NO. 2 - COMMERCIAL - METERED  
651 VALLECITO VALLEY PUMP STATION - COMMERCIAL - METERED  
5139 WARLICK WELL - COMMERCIAL - METERED  
5093 WELLS COURT WELL - COMMERCIAL - METERED, BACKUP WELL TO ID 5113  
5000 WESTERN CONSTRUCTION AND DEV. CO. WELL - COMMERCIAL - METERED  
5075 WILDERNESS CLUB WELL NO. 1 - COMMERCIAL - METERED  
5076 WILDERNESS CLUB WELL NO. 3 - COMMERCIAL - METERED  
5077 WILDERNESS CLUB WELL NO. 4 - COMMERCIAL - METERED  
5090 WITS END WELL NO. 1 - COMMERCIAL - METERED  
5143 WITS END WELL NO. 2 - COMMERCIAL - METERED

## River Calls

1989 RIVER CALLS

<u>W.D.</u>	<u>RIVER</u>	<u>INITIAL CALLING STRUCTURE</u>	<u>PRIORITY</u>	<u>DATE ON CALL</u>	<u>MOST SENIOR CURTAILED STRUCTURE</u>	<u>PRIORITY</u>	<u>DATE OFF CALL</u>	<u>DURATION</u>
29	FOUR MILE CREEK	Mesa Ditch	#58	06/18/89	Four-Mile	#2	10/06/89	110 days
29	LITTLE BLANCO R.	Mees Ditch	#7	06/06/89	Echo Ditch	#1	10/19/89	120 days
30	FLORIDA RIVER	Florida Farmers D.	F-68	06/09/89*	Florida Canal	23	10/12/89	125 days
30	WATER FALL CR.	Water Fall Ditch	W-1	06/19/89	Waterfall Ditch	W-1	10/31/89	134 days
30	ELBERT CREEK	Conley Ditch	E-1	05/23/89	Cascade Reservoir	65-2	06/20/89	29 days
30	ANIMAS RIVER <u>1/</u>	Stephens Ditch	A-12	07/07/89	Stephens Ditch	A-12	09/25/89	81 days
31	PINE RIVER	Vallecito Res.	65-R1	05/22/89**	Ute Indian Ditches	P-1	09/16/89	137 days
33	LA PLATA RIVER	Red Mesa Res.	65-2	03/08/89 <u>2/</u>	Hay Gulch Ditch	#5	10/06/89	212 days
33	LOWER LA PLATA R.	Enterprise Ditch	46	05/16/89	Old Indian Ditch	#36	10/04/89	110 days
34	MANCOS RIVER	Sheek Ditch	#6	05/15/89	No. 6 Ditch	#5	10/31/89	169 days

\* Ditches held to decrees from April 23 for storage in Lemon Reservoir (66-4)

\*\* Vallecito Reservoir was the most junior structure diverting until June 8, 1989

1/ Unnamed tributary

2/ Ditches above Red Mesa Reservoir curtailed for filling purposes March 8-13, ditches restricted within state beginning April 4. Call will operate in two units from futile call during parts of season.

Cottonwood Gulch in Dist. 30 was administered to prevent waste June 1989

## Appendix

WATER USE SUMMARY  
DISTRICT 29--1989

	1989 ACRE-FEET
<b>DIRECT DIVERSIONS</b>	
IRRIGATION	66,376
STORAGE	105
STOCKWATER	6,001
MUNICIPAL	517
DOMESTIC	86
INDUSTRIAL	0
RECREATION	0
FISH	821
OTHER: COMMERCIAL (INC GEOTHERMAL)	2,074
TRANSMOUNTAIN-TRANSBASIN	293
INTERSTATE	20,402
TOTAL DIVERSIONS.....	96,675
 <b>DELIVERIES FROM STORAGE</b>	
IRRIGATION	0
DOMESTIC	0
MUNICIPAL	0
STOCK	2
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	126
OTHER: FISH	0
AUGMENTATION	3
TOTAL DIVERSIONS.....	131
 <b>DELIVERIES FROM TRANSBASIN</b>	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
 <b>DUTY OF WATER:</b>	
TOTAL TO IRRIGATION	66,376
ACRES IRRIGATED	13,795
ACRE-FEET DIVERTED PER ACRE	4.81
 <b>NUMBER OF STRUCTURES OBSERVED</b>	
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	380
ACTIVE DIVERSIONS-DAILY	10
-INFREQUENT STRUCTURES	203
-NOT USED (A, C, D CODES)	78
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	2
-NOT USED (A, C, D CODES)	86
-NO INFORMATION AVAILABLE (F CODE)	1
 <b>NUMBER OF DITCHES</b>	
NUMBER OF RESERVOIRS	259
NUMBER OF WELLS	55
NUMBER OF OBSERVATIONS	66
	4,091



WATER USE SUMMARY  
DISTRICT 30--1989

	1989 ACRE-FEET
<b>DIRECT DIVERSIONS</b>	
IRRIGATION	162,959
STORAGE	25,410
STOCKWATER	10,489
MUNICIPAL	5,482
DOMESTIC	200
INDUSTRIAL	9,881
RECREATION	258
FISH	13,238
OTHER: COMMERCIAL, RECHARGE	525
SNOWMAKING	21
TRANSMOUNTAIN-TRANSBASIN	521
INTERSTATE	7,045
TOTAL DIVERSIONS.....	236,029
 <b>DELIVERIES FROM STORAGE</b>	
IRRIGATION	27,217
DOMESTIC	1
MUNICIPAL	0
STOCK	0
INDUSTRIAL	20,333
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER: FISH, EVAP, COMMERCIAL, etc.	385
SNOWMAKING	37
TOTAL DIVERSIONS.....	47,973
 <b>DELIVERIES FROM TRANSBASIN</b>	
IRRIGATION	148
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	148
 <b>DUTY OF WATER:</b>	
TOTAL TO IRRIGATION	190,324
ACRES IRRIGATED	32,403
ACRE-FEET DIVERTED PER ACRE	5.87
 <b>NUMBER OF STRUCTURES OBSERVED</b>	
WATER RUN-NO INFORMATION AVAILABLE(E CODE)	1098
ACTIVE DIVERSIONS-DAILY	0
-INFREQUENT STRUCTURES	231
INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE)	533
-NOT USED (A, C, D CODES)	19
-NO INFORMATION AVAILABLE(F CODE)	315
	0
 <b>NUMBER OF DITCHES</b>	
NUMBER OF RESERVOIRS	628
NUMBER OF WELLS	92
NUMBER OF OBSERVATIONS	378
	7,824

WATER USE SUMMARY  
DISTRICT 31--1989

	1989 ACRE-FEET
<b>DIRECT DIVERSIONS</b>	
IRRIGATION	173,978
STORAGE	50,398
STOCKWATER	306
MUNICIPAL	624
DOMESTIC	41
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER: COMMERCIAL	79
TRANSMOUNTAIN-TRANSBASIN	1,152
INTERSTATE	0
TOTAL DIVERSIONS.....	226,578
 <b>DELIVERIES FROM STORAGE</b>	
IRRIGATION	71,580
DOMESTIC	0
MUNICIPAL	342
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER: COMMERCIAL	0
TOTAL DIVERSIONS.....	71,922
 <b>DELIVERIES FROM TRANSBASIN</b>	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
 <b>DUTY OF WATER:</b>	
TOTAL TO IRRIGATION	245,558
ACRES IRRIGATED	69,427
ACRE-FEET DIVERTED PER ACRE	3.54
 <b>NUMBER OF STRUCTURES OBSERVED</b>	513
WATER RUN-NO INFORMATION AVAILABLE(E CODE)	0
ACTIVE DIVERSIONS-DAILY	193
-INFREQUENT STRUCTURES	214
INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE)	10
-NOT USED (A, C, D CODES)	96
-NO INFORMATION AVAILABLE(F CODE)	0
 <b>NUMBER OF DITCHES</b>	355
<b>NUMBER OF RESERVOIRS</b>	22
<b>NUMBER OF WELLS</b>	136
<b>NUMBER OF OBSERVATIONS</b>	4,914

WATER USE SUMMARY  
DISTRICT 32--1989

	ACRE-FEET
<b>DIRECT DIVERSIONS</b>	
IRRIGATION	62, 876
STORAGE	163
STOCKWATER	158
MUNICIPAL	0
DOMESTIC	16
INDUSTRIAL	1
RECREATION	0
FISH	0
OTHER: COMMERCIAL	1
TRANSMOUNTAIN-TRANSBASIN	0
INTERSTATE	0
TOTAL DIVERSIONS.....	63, 215
<b>DELIVERIES FROM STORAGE</b>	
IRRIGATION	15, 117
DOMESTIC	0
MUNICIPAL	0
STOCK	1, 736
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:	
TOTAL DIVERSIONS.....	16, 853
<b>DELIVERIES FROM TRANSBASIN</b>	
IRRIGATION	202, 982
STORAGE	8, 044
MUNICIPAL	4, 437
STOCK	3, 090
TOTAL FROM TRANSBASIN.....	218, 553
<b>DUTY OF WATER:</b>	
TOTAL TO IRRIGATION	280, 975
ACRES IRRIGATED	49, 455
ACRE-FEET DIVERTED PER ACRE	5. 68
<b>NUMBER OF STRUCTURES OBSERVED</b>	
WATER RUN-NO INFORMATION AVAILABLE(E CODE)	0
ACTIVE DIVERSIONS-DAILY	171
-INFREQUENT STRUCTURES	69
INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE)	5
-NOT USED (A, C, D CODES)	62
-NO INFORMATION AVAILABLE(F CODE)	0
NUMBER OF DITCHES	271
NUMBER OF RESERVOIRS	14
NUMBER OF WELLS	22
NUMBER OF OBSERVATIONS	4, 382

WATER USE SUMMARY  
DISTRICT 33--1989

	ACRE-FEET
<b>DIRECT DIVERSIONS</b>	
IRRIGATION	16,840
STORAGE	1,622
STOCKWATER	4,403
MUNICIPAL	1
DOMESTIC	22
INDUSTRIAL	0
RECREATION	1
FISH	0
OTHER: COMMERCIAL	4
TRANSMOUNTAIN-TRANSBASIN	366
INTERSTATE	1,218
TOTAL DIVERSIONS.....	24,477
 <b>DELIVERIES FROM STORAGE</b>	
IRRIGATION	995
DOMESTIC	0
MUNICIPAL	0
STOCK	4
INDUSTRIAL	1
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER: INCLUDES AUGMENTATION RELEASE	2
TOTAL DIVERSIONS.....	1,002
 <b>DELIVERIES FROM TRANSBASIN</b>	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
 <b>DUTY OF WATER:</b>	
TOTAL TO IRRIGATION	17,835
ACRES IRRIGATED	9,663
ACRE-FEET DIVERTED PER ACRE	1.85
 <b>NUMBER OF STRUCTURES OBSERVED</b>	
WATER RUN-NO INFORMATION AVAILABLE(E CODE)	0
ACTIVE DIVERSIONS-DAILY	17
-INFREQUENT STRUCTURES	65
INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE)	18
-NOT USED (A, C, D CODES)	20
-NO INFORMATION AVAILABLE(F CODE)	0
 <b>NUMBER OF DITCHES</b>	
NUMBER OF RESERVOIRS	9
NUMBER OF WELLS	30
NUMBER OF OBSERVATIONS	5,145

WATER USE SUMMARY  
DISTRICT 34--1989

	ACRE-FEET
<b>DIRECT DIVERSIONS</b>	
IRRIGATION	29,548
STORAGE	5,009
STOCKWATER	2,990
MUNICIPAL	990
DOMESTIC	12
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER: COMMERCIAL	0
TRANSMOUNTAIN-TRANSBASIN	0
INTERSTATE	0
TOTAL DIVERSIONS.....	38,549
<b>DELIVERIES FROM STORAGE</b>	
IRRIGATION	8,381
DOMESTIC	0
MUNICIPAL	357
STOCK	0
INDUSTRIAL	0
RECREATION: JACKSON RES RELEASE	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER: COMMERCIAL, FISH	28
TOTAL DIVERSIONS.....	8,766
<b>DELIVERIES FROM TRANSBASIN</b>	
IRRIGATION	610
STORAGE	31
MUNICIPAL	0
STOCK	7
TOTAL FROM TRANSBASIN.....	648
<b>DUTY OF WATER:</b>	
TOTAL TO IRRIGATION	38,539
ACRES IRRIGATED	10,637
ACRE-FEET DIVERTED PER ACRE	3.62
<b>NUMBER OF STRUCTURES OBSERVED</b>	
NUMBER OF STRUCTURES OBSERVED	119
WATER RUN-NO INFORMATION AVAILABLE(E CODE)	0
ACTIVE DIVERSIONS-DAILY	73
-INFREQUENT STRUCTURES	23
INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE)	5
-NOT USED (A, C, D CODES)	17
-NO INFORMATION AVAILABLE(F CODE)	1
<b>NUMBER OF DITCHES</b>	
NUMBER OF DITCHES	99
<b>NUMBER OF RESERVOIRS</b>	
NUMBER OF RESERVOIRS	11
<b>NUMBER OF WELLS</b>	
NUMBER OF WELLS	9
<b>NUMBER OF OBSERVATIONS</b>	
NUMBER OF OBSERVATIONS	1,556

WATER USE SUMMARY  
DISTRICT 46--1989

	ACRE-FEET
<b>DIRECT DIVERSIONS</b>	
IRRIGATION	8,530
STORAGE	0
STOCKWATER	1
MUNICIPAL	0
DOMESTIC	0
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER:	0
TRANSMOUNTAIN-TRANSBASIN	0
INTERSTATE	0
TOTAL DIVERSIONS.....	8,531
 <b>DELIVERIES FROM STORAGE</b>	
IRRIGATION	0
DOMESTIC	0
MUNICIPAL	0
STOCK	0
INDUSTRIAL	0
RECREATION:	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:	0
TOTAL DIVERSIONS.....	0
 <b>DELIVERIES FROM TRANSBASIN</b>	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
 <b>DUTY OF WATER:</b>	
TOTAL TO IRRIGATION	8,530
ACRES IRRIGATED	1,735
ACRE-FEET DIVERTED PER ACRE	4.92
 <b>NUMBER OF STRUCTURES OBSERVED</b>	
WATER RUN-NO INFORMATION AVAILABLE(E CODE)	0
ACTIVE DIVERSIONS-DAILY	34
-INFREQUENT STRUCTURES	3
INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE)	0
-NOT USED (A, C, D CODES)	7
-NO INFORMATION AVAILABLE(F CODE)	0
 <b>NUMBER OF DITCHES</b>	42
<b>NUMBER OF RESERVOIRS</b>	2
<b>NUMBER OF WELLS</b>	0
<b>NUMBER OF OBSERVATIONS</b>	849

WATER USE SUMMARY  
DISTRICT 69--1989

	ACRE-FEET
<b>DIRECT DIVERSIONS</b>	
IRRIGATION	5,578
STORAGE	91
STOCKWATER	7
MUNICIPAL	0
DOMESTIC	0
INDUSTRIAL	0
RECREATION	0
FISH	179
OTHER:	0
TRANSMOUNTAIN-TRANSBASIN	0
INTERSTATE	0
TOTAL DIVERSIONS.....	5,855
<b>DELIVERIES FROM STORAGE</b>	
IRRIGATION	91
DOMESTIC	0
MUNICIPAL	0
STOCK	22
INDUSTRIAL	0
RECREATION:	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:	0
TOTAL DIVERSIONS.....	113
<b>DELIVERIES FROM TRANSBASIN</b>	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
<b>DUTY OF WATER:</b>	
TOTAL TO IRRIGATION	5,669
ACRES IRRIGATED	1,251
ACRE-FEET DIVERTED PER ACRE	4.53
<b>NUMBER OF STRUCTURES OBSERVED</b>	
WATER RUN-NO INFORMATION AVAILABLE(E CODE)	0
ACTIVE DIVERSIONS-DAILY	11
-INFREQUENT STRUCTURES	11
INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE)	0
-NOT USED (A, C, D CODES)	15
-NO INFORMATION AVAILABLE(F CODE)	0
NUMBER OF DITCHES	31
NUMBER OF RESERVOIRS	5
NUMBER OF WELLS	1
NUMBER OF OBSERVATIONS	165

WATER USE SUMMARY  
DISTRICT 71--1989

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	12,230
STORAGE	81,456
STOCKWATER	185
MUNICIPAL	487
DOMESTIC	32
INDUSTRIAL	0
RECREATION	8
FISH	3,116
OTHER: COMMERCIAL	6
TRANSMOUNTAIN-TRANSBASIN	106,844
INTERSTATE	0
TOTAL DIVERSIONS.....	204,364
DELIVERIES FROM STORAGE	
IRRIGATION	189
DOMESTIC	0
MUNICIPAL	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	67,697
OTHER:	3
TOTAL DIVERSIONS.....	67,889
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	12,419
ACRES IRRIGATED	1,762
ACRE-FEET DIVERTED PER ACRE	7.05
NUMBER OF STRUCTURES OBSERVED	186
WATER RUN-NO INFORMATION AVAILABLE(E CODE)	0
ACTIVE DIVERSIONS-DAILY	46
-INFREQUENT STRUCTURES	63
INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE)	2
-NOT USED (A, C, D CODES)	67
-NO INFORMATION AVAILABLE(F CODE)	8
NUMBER OF DITCHES	128
NUMBER OF RESERVOIRS	14
NUMBER OF WELLS	44
NUMBER OF OBSERVATIONS	3,051



WATER USE SUMMARY  
DISTRICT 77--1989

	ACRE-FEET
<b>DIRECT DIVERSIONS</b>	
IRRIGATION	25,339
STORAGE	348
STOCKWATER	28
MUNICIPAL	0
DOMESTIC	15
INDUSTRIAL	1
RECREATION	0
FISH	5,442
OTHER: COMMERCIAL	2
TRANSMOUNTAIN-TRANSBASIN	0
INTERSTATE	27,301
TOTAL DIVERSIONS.....	58,476
 <b>DELIVERIES FROM STORAGE</b>	
IRRIGATION	165
DOMESTIC	0
MUNICIPAL	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:	0
TOTAL DIVERSIONS.....	165
 <b>DELIVERIES FROM TRANSBASIN</b>	
IRRIGATION	140
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	140
 <b>DUTY OF WATER:</b>	
TOTAL TO IRRIGATION	25,644
ACRES IRRIGATED	3,720
ACRE-FEET DIVERTED PER ACRE	6.89
 <b>NUMBER OF STRUCTURES OBSERVED</b>	
WATER RUN-NO INFORMATION AVAILABLE(E CODE)	0
ACTIVE DIVERSIONS-DAILY	74
-INFREQUENT STRUCTURES	26
INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE)	0
-NOT USED (A, C, D CODES)	17
-NO INFORMATION AVAILABLE(F CODE)	0
 <b>NUMBER OF DITCHES</b>	
NUMBER OF RESERVOIRS	17
NUMBER OF WELLS	13
NUMBER OF OBSERVATIONS	2,370

WATER USE SUMMARY  
DISTRICT 78--1989

	ACRE-FEET
<b>DIRECT DIVERSIONS</b>	
IRRIGATION	26,439
STORAGE	977
STOCKWATER	1,728
MUNICIPAL	0
DOMESTIC	28
INDUSTRIAL	0
RECREATION	0
FISH	695
OTHER: COMMERCIAL	86
TRANSMOUNTAIN-TRANSBASIN	4
INTERSTATE	540
TOTAL DIVERSIONS.....	30,497
 <b>DELIVERIES FROM STORAGE</b>	
IRRIGATION	376
DOMESTIC	0
MUNICIPAL	680
STOCK	0
FISH	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER: STORAGE	(633)
TOTAL DIVERSIONS.....	1,056
 <b>DELIVERIES FROM TRANSBASIN</b>	
IRRIGATION	950
STORAGE	595
MUNICIPAL	0
STOCK	4
TOTAL FROM TRANSBASIN.....	1,549
 <b>DUTY OF WATER:</b>	
TOTAL TO IRRIGATION	27,765
ACRES IRRIGATED	6,927
ACRE-FEET DIVERTED PER ACRE	4.01
 <b>NUMBER OF STRUCTURES OBSERVED</b>	
WATER RUN-NO INFORMATION AVAILABLE(E CODE)	2
ACTIVE DIVERSIONS-DAILY	101
-INFREQUENT STRUCTURES	39
INACTIVE DIVERSIONS-NO WATER AVAILABLE(B CODE)	5
-NOT USED (A, C, D CODES)	41
-NO INFORMATION AVAILABLE(F CODE)	1
 <b>NUMBER OF DITCHES</b>	
NUMBER OF RESERVOIRS	28
NUMBER OF WELLS	16
NUMBER OF OBSERVATIONS	2,555