RICHARD D. LAMM
Governor

JERIS A. DANIELSON
State Engineer

DIVISION OF WATER RESOURCES

DARIES C. LILE, P.E.
DIVISION WATER ENGINEER
DIVISION 7
P.O. Drawer 1880
DURANGO, COLORADO 81301
Office Phone: 247-1845

January 14, 1985

Dr. Jeris A. Danielson
State Engineer
1313 Sherman St., Room 818
Denver, Colorado 80203

Dear Dr. Danielson:

Enclosed is the 1984 IYR Division Engineer's Report for Division 7. We have included those items that you outlined and have added additional information in the appendix which was used in preparing the report.

Sincerely,

Daries C. Lile
Division Engineer

DCL:alf
Enclosure

Index

I N D E X

Water Admin.

I. WATER ADMINISTRATION

A. CURRENT WATER YEAR

The Mancos, La Plata, and Florida Rivers all required detailed water administration during the irrigation season. As a result of an abundant amount of storage in Vallecito Reservoir it was not necessary to curtail diversions on the Pine River, however, the water commissioners carefully monitored the system. The Dolores, San Juan, Piedra, and Animas Rivers provided ample water and it was only necessary to observe diversions for record keeping purposes.

The water user community was cooperative with the water commissioners with the exception of one individual on the La Plata River; Mr. Elmer Thompson who refused an order issued by both the water commissioner and the Division Engineer to cease diverting water through the Sooner Valley Ditch. As a result of his actions it was necessary to request assistance from the State Engineer and Attorney General's Office in obtaining a restraining order against Mr. Thompson. A hearing was held before Water Court Judge Al Haas and a temporary restraining order was issued which then resulted in compliance by Mr. Thompson.

Accomplishments in addition to the administration of the streams which is our primary responsibility included the enforcement of reservoir restrictions, organizing a dam safety seminar, preparing detailed recommendations to the Water Court, administering the La Plata River Compact, assuring minimum bypass requirements were met on the San Juan-Chama Project, maintaining twenty-three stream gages, publication of the 1984 tabulation and 1978 revised abandonment list, coordinating the installation of four remote satellite monitoring stream gaging stations, and attending and conducting meetings with water users to insure compliance with state statutes.

Involvement with the water users included attendance of meetings with the Southwest Water Board, Animas-La Plata Conservancy District, Dolores Conservancy District, Summit Reservoir Company, Mancos Conservancy District, Florida Conservancy District, Montezuma Valley Irrigation District, the Colorado Water and Power Resource Authority, the Colorado Water Conservation Board, City of Durango, and Town of Pagosa Springs, Weather Modification Advising Committee and several small ditch and reservoir companies.

A presentation was made concerning augmentation plans of the Southwest Water Conservation Board's seminar which was held in March. Additionally, a similar program was presented to the Southwest Interagency Resource Council which includes the managers of all natural resource agencies both federal and state in the Division 7 area.

In order to improve the safety of reservoirs, a one-day workshop was organized on Dam Safety where all owners of reservoirs were invited. A program was presented by Eric Wilkinson and dam safety manuals were given to those owners who had not received their copies. Approximately sixty area owners were present, and the program was well received. The Dam Safety Branch is to be complimented on their efforts on the manual and excellent presentation.

The now pending federal reserved claims are beginning to impact the workload of the division staff. The Attorney General's Office is preparing for the defense of the Indian claims and it has been necessary to devote staff time to aiding their office in preparing for the suit. A one-week tour was conducted in August of the Division to aquaint the engineers, hydrologists, economists, soil scientists and attorneys with the division. Additionally, several meetings have been attended with the attorneys. This suit is probably the single most important water issue facing the San Juan Basin. The workload will continue to increase.

The federal government is also filing for appropriative claims for the BLM and U.S.F.S. on public springs and water holes. This is increasing the workload on the Water Court and in turn, requiring staff time to field investigate and make recommendations to the Water Court. It would appear that in the near future we will be needing to add staff to the division offices to handle the increased impact of the federal claims.

On March 19, 1984 the gates on McPhee Reservoir were closed and storage of water for the Dolores Project began. With the reservoir completed, work has begun on the delivery systems. Within two years water will be available for the first block of project lands. As the project has progressed, we have been involved in developing administrative procedures and management plans. A group of upstream users has been organized and negotiations have been held as to methods for these users to obtain benefits from the project. This is requiring attendance of meetings and reviewing of proposed agreements. We have worked closely with the Dolores Conservancy District and the Montezuma Valley Irrigation District to insure proper administration of the project.

The workload associated with the Water Court seems to be a never ending escalation. During the past year more complex augmentation plans were proposed. In particular, the Westfork Corporation is proposing a new ski development in Pagosa Springs at the head of the Wolf Creek Valley. Their plan of augmentation required more man hours than any plan previously submitted. There were several trips to Denver and numerous meetings in Durango, and two court hearings before the case was resolved and decreed. We were pleased with the outcome of the case since we were successful with incorporation of our engineering figures into the decree.

This year for the first time, the Division Engineer was invited to attend the annual meeting of water clerks and referees. The meeting proved a valuable opportunity to improve communication between our agency and the Water Court staff.

During FY 83-84, our budget allocations for operating, travel and capital outlay was adequate for the first time in several years. The allocation for FY 84-85 which involves the last half of the past water year was ample to meet our needs to date. However, we have not received adequate funding for personnel replacements and new employees. We are losing three water commissioners this year to retirement and will not be able to fully replace them until their annual and sick leave benefits have been paid. Therefore, we will not be able to accomplish the winter work program as we desired.

B. COMING WATER YEAR

The major impacts upon the division staff for the upcoming water year will be the hearings pertaining to the 1978 revised abandonment list, field checking federal appropriative claims, and coordination of efforts with the Attorney General's Office on the federal reserved claims for the two Indian reservations. These impacts will be compounded by the loss of three full-time water commissioners and the training of their replacements. We are attempting to minimize the effect of the retirements by promoting already experienced water commissioners.

There will also be an increase on the workload as a result of the conversion of our computer data to the new WANG system and the utilization of this system to monitor stream gages.

Projected work projects include conversion of the diversion records and well file from the Fort Lewis College computer to the WANG computer located in our office, replotting of diversion structures on topographic overlays, completion of measurement of irrigated acres, and coding historic diversion records for inclusion into the diversion data base.

We plan to address all concerns and problems pertaining to water administration as they occur. We will accomplish as many of the outlined projects as money and manpower allow.

II. RECOMMENDATIONS

During the previous year our agency greatly improved its ability to deal with dam safety. The workshops for reservoir owners and the dam safety manual provided for a greater public awareness of the problems associated with dam safety. This has been an excellent start, however, we need to continue working with the owners and following through once the inspections have been made. It seems that to be totally effective, reservoir inspectors need to be located in the field offices.

It would also be helpful if additional dam seminars are conducted not only for owners, but for engineers. Presently, there seems to be some problem with communication as to what is required on a set of plans and specifications. The San Juan Chapter of the N.S.P.E. have contacted us requesting that a workshop or design and plan review be conducted. Hopefully a workshop can be organized this spring.

We have recently submitted a request for reorganization of personnel positions. With the retirement of three commissioners we are requesting that the present positions be reallocated as follows: transfer the present full-time position on the Navajo River to Pagosa Springs; relocate the present commissioner on the Navajo to Durango to replace a retiring commissioner and then redistributing the regular part-time allocations to allow for a position on the La Plata River; we have also requested that the part-time commissioner on the Florida River be made full time to replace the retired commissioner. A letter outlining this recommendation has been submitted to the State Engineer with greater detail.

The ongoing geothermal well problem in Pagosa Springs has not been solved after three years. It appears that we need to consider organizing a geothermal management basin in Pagosa Springs. There are several existing wells and very few are operating efficiently. The town of Pagosa with its new system, is the most efficient user, however, they lack the expertise that is required to properly regulate and operate the system. Since the legislature has enacted revisions to the statute, our agency has the authority to establish a management basin and after working three years with the users it appears that this would be the most practical solution.

Statistic Info

TRANSMOUNTAIN DIVERSIONS SUMMARY 1984

RECIPIENT							SOURCE	
			PREVIOUS YEAR		IYR OF RECORD			
WD	NAME	STREAM	A.F.	DAYS	A.F.	DAYS	W.D.	STREAM
20	TREASURE PASS DITCH	RIO GRANDE RIVER	450	75	307	100	29	SAN JUAN RIVER
68	CARBON LAKE DITCH	UNCOMPAHGRE RIVER	0	0	0	0	30	ANIMAS RIVER
68	RED MOUNTAIN DITCH	UNCOMPAHGRE RIVER	0	0	0	0	30	ANIMAS RIVER
20	PINE RIVER-WEMINUCHE PASS D.	RIO GRANDE RIVER	803	111	970	122	31	PINE RIVER
20	WEMINUCHE PASS DIVERSION	RIO GRANDE RIVER	2,020	106	2,110	116	31	PINE RIVER
20	WILLIAMS CREEK SQUAW PASS	RIO GRANDE RIVER	149	56	282	115	78	PIEDRA RIVER
20	DON LaFONT #1 (S. River Peak Ditch)	RIO GRANDE RIVER	0	0	68	36	78	PIEDRA RIVER
20	DON LaFONT #2*(Piedra Pass D.)	RIO GRANDE RIVER	0	0	0	0	78	PIEDRA RIVER

*Combined with Don LaFont #1

RESERVOIR STORAGE SUMMARIES
1984

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS IYR BEG. IYR A.F.	%	PREVIOUS IYR Beg. Irr. Season A.F.	%	IYR OF RECORD BEG. IYR A.F.	%	IYR OF RECORD BEG. IRR. SEASON A.F.	%	IYR OF RECORD END IYR A.F.
29	ECHO RESERVOIR	ECHO CREEK	2,149	100	2,149	100	2,149	100	2,149	100	2,149
29	HARRIS BROS & BOONE	BLANCO RIVER	206	100	206	100	146	70	206	100	100
29	TOTAL ALL OTHERS		178	100	178	100	178	100	178	100	163
		TOTALS	2,533		2,533		2,473		2,533		2,412
30	CASCADE RESERVOIR	CASCADE CREEK	20,332	98	22,802	98	21,560	92	22,968	87	20,417
30	DURANGO REGULATORY	FLORIDA RIVER	217	100	217	100	217	100	217	100	217
30	JOHNSON RESERVOIR	LA PLATA RIVER & LIGHTNER CREEK	1,136	100	1,136	100	980	86	1,023	90	670
30	LEMON RESERVOIR	FLORIDA RIVER	29,836	74	40,121	100	25,400	63	40,121	100	25,315
30	TOTAL ALL OTHERS		3,051	92	3,179	96	2,853	86	2,674	80	2,519
		TOTALS	54,572		67,455		51,010		67,003		49,138
31	VALLECITO RESERVOIR	PINE RIVER	93,613	72	123,919	96	60,564	46	119,190	92	62,508
31	WOMMER RESERVOIR	BEAR CREEK	148	71	208	100	180	100	180	100	140
31	TOTAL ALL OTHERS		48	80	48	80	46	85	51	85	51
		TOTALS	93,809		124,175		60,790		119,421		62,699

RESERVOIR STORAGE SUMMARIES
1984

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS IYR BEG. IYR A.F.	%	Beg. Irr. Season A.F.	%	IYR OF RECORD BEG. IYR A.F.	%	BEG. IRR. SEASON A.F.	%	END IYR A.F.
32	A. M. PUETT RESERVOIR	DOLORES RIVER	911	39	2,323	100	1,882	78	2,402	100	658
32	NARRAGUINNEP RESERVOIR	DOLORES RIVER	12,358	65	18,960	100	10,353	55	18,960	100	14,576
32	TOTTEN RESERVOIR	DOLORES RIVER	1,856	56	3,302	100	1,754	53	3,182	96	2,495
32	TOTAL ALL OTHERS		137	74	185	100	137	74	185	97	180
		TOTALS	15,262		24,770		14,126		24,729		17,909
33	RED MESA WARD RESERVOIR	LA PLATA RIVER	669	57	1,176	100	404	34	1,176	100	174
33	TOTAL ALL OTHERS		86	100	86	100	86	100	86	100	86
		TOTALS	755		1,262		490		1,262		260
34	BAUER RESERVOIR NO. 1	CRYSTAL CREEK	177	50	357	100	24	7	357	100	115
34	BAUER RESERVOIR NO. 2	CHICKEN CREEK	1,239	81	1,533	100	1,054	68	1,533	100	880
34	JACKSON GULCH RESERVOIR	MANCOS RIVER	5,666	57	9,871	99	5,854	59	9,893	100	3,676
34	SELLARS & MC CLANE RES.	MUD CREEK	17	33	52	100	7	13	52	100	12
34	WEBER RESERVOIR	MIDDLE FK. MANCOS	337	76	442	100	337	76	442	100	171
34	TOTAL ALL OTHERS		69	52	124	94	63	48	131	100	16
		TOTALS	7,505		12,379		7,339		12,408		4,870

RESERVOIR STORAGE SUMMARIES
1984

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS IYR BEG. IYR A.F.	%	Beg. Irr. Season A.F.	%	IYR OF RECORD BEG. IYR A.F.	%	BEG. IRR. SEASON A.F.	%	END IYR A.F.
69	BELMAR LAKE RESERVOIR	RINCONE CREEK	408	100	408	100	300	74	408	100	0
69	MORRISON RESERVOIR	MORRISON CREEK	116	100	116	100	94	81	116	100	116
69	TOTAL ALL OTHERS		129	100	129	100	120	93	129	100	115
		TOTALS	653		653		514		653		231
71	BIG PINE RESERVOIR	LOST CANYON CREEK	209	45	460	100	309	67	460	100	309
71	GROUNDHOG RESERVOIR	GROUNDHOG CREEK	15,006	69	21,710	100	14,280	65	21,710	100	10,330
71	SUMMIT RESERVOIR	LOST CANYON CREEK	1,852	36	5,108	100	1,730	34	5,108	100	1,200
71	*McPHEE RESERVOIR	DOLORES RIVER	0	0	0	0	0	0	73,920		41,480
71	TOTAL ALL OTHERS		227	87	262	100	149	57	248	95	226
		TOTALS	17,294		27,540		16,468		101,446		53,545
77	SAPPINGTON RESERVOIR	COYOTE CREEK	117	23	352	100	94	27	352	100	32
77	SPENCE RESERVOIR	COYOTE CREEK	441	100	441	100	322	73	441	100	33
77	TOTAL ALL OTHERS		25	100	25	100	25	100	25	100	25
		TOTALS	583		818		441		818		90
	*First year water has been stored - releases were only for minimum flows not irrigation.										

RESERVOIR STORAGE SUMMARIES
1984

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS IYR BEG. IYR A.F.	%	Beg. Irr. Season A.F.	%	IYR OF RECORD BEG. IYR A.F.	%	BEG. IRR. SEASON A.F.	%	END IYR A.F.
78	G.S. HATCHER RESERVOIR	STOLLSTEIMER CREEK	1,462	84	1,735	100	1,700	97	1,735	100	1,482
78	LAKE FOREST RESERVOIR	STOLLSTEIMER CREEK	435	87	500	100	500	100	500	100	500
78	LINN & CLARK RESERVOIR	DUTTON CREEK	997	100	997	100	997	100	997	100	373
78	PARGIN RESERVOIR	STOLLSTEIMER CREEK	453	85	453	85	453	85	531	100	531
78	STEVENS RESERVOIR	DUTTON CREEK	635	100	635	100	635	100	635	100	552
78	TOWN CENTER RESERVOIR	STOLLSTEIMER CREEK	600	100	600	100	600	100	600	100	600
78	WILLIAMS CREEK RESERVOIR	WILLIAMS CREEK	10,084	100	10,084	100	10,084	100	10,084	100	10,084
78	TOTAL ALL OTHERS		306	64	316	66	237	50	338	79	249
		TOTALS	14,972		15,320		15,206		15,420		14,371

1984

WATER DIVERSION SUMMARIES BY DISTRICT

WD	TOTAL DITCHES REPORTING ACTIVE WA	ACTIVE NWA	INACTIVE NU	INACTIVE NR	ESTIMATED NUMBER OF VISITATIONS	TOTAL DIVERSIONS - AF-	TOTAL DIVERSIONS TO STORAGE - AF -	IRRIGATION TOTAL DIVERSIONS - AF -	IRRIGATION NUMBER OF ACRES IRRIGATED	IRRIGATION AVERAGE AF PER ACRE
29	278	0	47	8	3,753	102,351	0	47,654	13,657	3.49
30	722	14	258	20	7,066	209,139	29,762	132,021	33,673	3.92
31	368	0	46	1	10,427	273,891	68,613	233,217	57,347	4.07
32 1/	221	0	50	4	4,609	40,457	15	173,379	42,728	4.06
33	100	0	23	10	4,445	34,269	695	28,477	7,019	4.06
34	101	0	9	0	1,163	41,914	6,256	38,730	11,813	3.28
46	39	0	0	0	818	7,546	0	6,357	1,768	3.60
69	15	0	15	0	162	3,787	359	3,449	1,652	2.09
71	102	0	64	1	1,461	212,017	77,545 2/	4,269	1,523	2.80
77	102	0	11	0	1,399	83,748	119	19,229	4,519	4.26
78	148	3	28	11	2,326	30,373	367	28,498	8,151	3.50
	2,196	17	551	55	37,629	1,039,492	183,731	715,280	183,850	3.89

1/ Total deliveries from transbasin (Dist. 71) were 138.520 A.F. which included 135,120 A.F. for irrigation purposes

2/ Includes 73,920 A.F. stored in McPhee Reservoir

WATER DIVERSION SUMMARIES BY DISTRICT IN ACRE FEET (Continued)

WD	TRANS-MTN. OUTFLOW	TRANS-BASIN OUTFLOW	STOCK	MUN.	DOMES.	INDUS.	REC.	FISH	COMMER.	OTHER	COMPACT
29	306	1,309	5,028	1,326	305			1,199	43		45,180[2/]
30			14,184	5,954	225	44,550	249	15,011	533	236	8,094
31	3,077		1,664	623	46		15	731	36		
32			1,461	3,400	21	1			5	5	
33		880	3,506	7	34					2	1,628
34			4,439	862	17			86	7		
46							1,189				
69					1						
71	144,899[1/]		9	1,506	72				6		
77			965		9	1		3,397	14		61,301[3/]
78	310		1,292	494	72			130	115		
	148,592	2,189	32,548	14,172	802	44,552	7,453	20,554	759	243	116,203

1/ Diverted from W.D. 71 to W.D. 32 through M.V.I. and Summit System and Dist. 34

2/ Diverted through San Juan-Chama Project to New Mexico

3/ Diverted through San Juan-Chama Project to New Mexico

WATER COURT ACTIVITIES

CALENDAR YEAR 1984

NUMBER OF APPLICATIONS FOR DECREES	301
NUMBER OF CONSULTATIONS WITH REFEREE	201
NUMBER OF DECREES ISSUED BY WATER COURT	149
TYPE OF DECREE:	
SURFACE WATER	88
GROUND WATER	20
RESERVOIRS	23
TRANSFER]	
ALTERNATE POINT]	13
CHANGE IN USE]	
PLANS FOR AUGMENTATION	8
IN-STREAM FLOW	9
OTHER	66
NUMBER OF STRUCTURES IN DECREES:	
TYPES OF STRUCTURES:	
DITCHES	73
RESERVOIRS	42
WELLS	24
OTHER (SPRINGS, PIPELINES, PUMPS, ETC.)	39

ABANDONMENT LIST SUMMARY

NUMBER OF WATER RIGHTS LISTED	324
NUMBER OF PROTESTS	68
NUMBER OF MOTIONS TO CORRECT	9
NUMBER OF RETURNED NOTICES UNANSWERED	42
% OF PROTEST	21%

OFFICE ADMINISTRATION FY 1984

NAME	POSITION	FISCAL YEAR MONTHS BUDGETED/ WORKED		FISCAL YEAR MILEAGE
DARIES C. LILE	DIVISION ENGINEER	12	12	1,052 P
				8,091 S*
KENNETH A. BEEGLES	ASSISTANT DIVISION ENGINEER	12	12	2,009 P
SCOTT D. BRINTON	HYDROGRAPHER	12	12	20,508 S
ANN-LOUISE FAUTH	SECRETARY	12	12	

FULL TIME EMPLOYEES IN FIELD

NAME	POSITION	DISTRICT			
WILLIAM E. BAKER	WATER COMM. B	32	12	12	10,237 P
E. IVAN DANIELSON	WATER COMM. C	30	12	12	7,689 P
GEORGE E. DAVIS	WATER COMM. C	30	12	12	8,106 S
GLEN E. HUMISTON	WATER COMM. C	32,34,69,71	12	12	15,586 S
J. RUSSELL KENNEDY	WATER COMM. C	33	12	12	11,346 P
WILLIAM P. LYNN	WATER COMM. C	29,77,78	12	12	6,070 P
LARRY NIELSEN	WATER COMM. B	77	12	12	11,039 P
WILFORD E. SPEER	WATER COMM. C	69,71	12	12	14,577 P
LAWRENCE J. SHOCK	WATER COMM. C	31	12	12	16,874 P

PERMANENT PART TIME EMPLOYEES IN FIELD

RICHARD G. BALTZELL[1/]	WATER COMM. A	30,31	9.0	7.6	7,654 P
ROY M. BROWN, JR.	WATER COMM. B	29,78	9.0	9.1	10,174 P
JOHN J. TAYLOR	WATER COMM. A	78	4.0	3.3	2,552 P
		TOTALS	178.0	176.0	101,273 P
					52,291 S
	TOTAL MILEAGE FOR PERIOD				153,564

1/ Richard Baltzell made Part Time Regular employee as of June 1, 1984

*Ford Maverick used also by Assistant Division Engineer and visiting dam inspectors when in the area

LA PLATA RIVER COMPACT MONTHLY ADMINISTRATIVE SUMMARY IN ACRE FEET

1984

MONTH	HESPERUS STATION	LA PLATA & CHERRY CR. DITCH	PINE RIDGE DITCH	HESPERUS TOTAL	STATE LINE STATION	ENTERPRISE DITCH (N. MEX.)	PIONEER DITCH	DELIVERED STATE LINE TOTAL	REQUIRE DELIVEF 1/2 HESPE STATIOI
DEC. 1983	536	0	0	536	1,550	0	0	1,550	
JAN. 1984	462	0	0	462	1,260	0	0	1,260	
FEBRUARY	541	0	0	541	1,290	0	0	1,290	
MARCH	1,420	0	0	1,420	4,410	0	0	4,410	
APRIL	4,190	0	79	4,270	7,400	37	127	7,560	
MAY	14,830	361	551	15,740	6,970	237	322	7,520	3,200 1/
JUNE	5,170	1,460	603	7,230	3,300	139	199	3,630	3,410 2/
JULY	1,310	830	4.2	2,140	865	109	94	1,070	1,110 3/
AUGUST	1,320	183	0	1,510	675	83	32	790	757 4/
SEPTEMBER	766	30	0	796	460	45	29	533	410
OCTOBER	861	146	0	1,010	778	18	20	798	497
NOVEMBER	863	0	0	863	805	0	0	805	448
TOTALS	32,269	3,010	1,237.2	36,518	29,763	668	805	31,216	9,832

1/ New Mexico requested 70 c.f.s. or ½ of Hesperus flow, whichever was less on May 7, 1984

2/ New Mexico requested 90 c.f.s. or ½ of Hesperus flow, whichever was less on June 12, 1984

3/ State Line call considered futile on July 21, 1984

4/ State Line call not considered futile from August 22, 1984

WATER DIVISION NO. 7

PLANS FOR AUGMENTATION

1984

Water Court Case #	Name	Water Dist.	Stream	Amount of Water to be Released (AF or cfs)	Time of Release	Brief Statement of P
84CW29	McCluer & Murray Ditch	30	Florida R.	1.85 A.F.		For 5 limited domestic wells in D-K Subdivisic
84CW30	McCluer & Murray Ditch	30	Florida R.	0.05 c.f.s.		Augment Shafer Diver. Ponds for irrigation and fish ponds
84CW32	Rains Ditch	30	Florida R.	.1670 c.f.s.		For augmentation of wells in Aspen Trails Subdivision
84CW94	Ruwwe Well	31	Pine River	0.1 c.f.s.		Transfer from Rhodes D. to augment well for Valley Heights subdiv. of 11 units, and exchange with Vallecito Reservoir
84CW122	Purgatory Metropolitan District Well #5 Amended	30	Animas R.	0.45 c.f.s.		For all municipal uses as approved in 80CW135 (domestic, commercial)
84CW125	Pomona Ditch & Hermosa Co. D.	30	Hermosa Cr.	0.085 c.f.s.		Transfer historic irrigation water to allow for change in use for domestic, municipal, and storage

WATER DIVISION NO. 7

PLANS FOR AUGMENTATION

1984

Water Court Case #	Name	Water Dist.	Stream	Amount of Water to be Released (AF or cfs)	Time of Release	Brief Statement of P
84CW141	Moses Well & Moses Reservoir	33	La Plata R.	15 gpm and 2 A.F.		To store runoff water in reservoir and augme river during times whe river is on call
84CW170	Twin Spruce Gravel Pit	71	Dolores R.	0.5 c.f.s. & 3.0 c.f.s.		Water transferred from Hammond & Clark D. and Sebastian Tam Ditch

WATER DIVISION NO. 7

ACTIVITY SUMMARY IYR 1984

ACTIVITY	*TOTALS*
Number of professional and technical staff	*3*
Number of clerical staff	*1*
Number of Water Commissioner FTE assigned (full and part-time)	*12*
**Number of decreed surface rights*	*3,667*
**Number of surface rights administered*	*14,480*
**Number of wells*	*1,029*
Number of plans for augmentation	*8*
Number of consultations with Referee	*179*
Number of Water Court appearances	*12*
**Number of meetings with water users*	*92*
**Number of meetings to resolve water related disputes*	*42*
**Number of contacts to give public assistance on water matters*	*11,366*

**July 1984 began taking figures from Water Commissioner and sub-office records.*

Appendix

WATER COMMISSIONER'S SUMMARY

WATER DISTRICT 29 - 1984

		ACRE FEET
DIRECT DIVERSIONS		
IRRIGATION		47,654
STORAGE		
STOCKWATER		5,028
MUNICIPAL		1,326
DOMESTIC		305
INDUSTRIAL		0
RECREATIONAL		0
FISH		1,199
OTHER: COMMERCIAL (GEOTHERMAL)		43
TRANSMOUNTAIN-TRANSBASIN		1,616
INTERSTATE		45,180
	TOTAL DIVERSIONS	102,351
DELIVERIES FROM STORAGE		
IRRIGATION		0
DOMESTIC		
MUNICIPAL		
STOCK		
INDUSTRIAL		
RECREATIONAL		
TRANSBASIN-TRANSMOUNTAIN		
OTHER:		
	TOTAL FROM STORAGE	0
DELIVERIES FROM TRANSBASIN		
IRRIGATION		
STORAGE		
MUNICIPAL		
	TOTAL FROM TRANSBASIN	0
DUTY OF WATER:		
TOTAL TO IRRIGATION		47,654
ACRES IRRIGATED		13,657
ACRE FEET DIVERTED PER ACRE		3.49
NUMBER OF STRUCTURES OBSERVED		
WATER RUN - NO INFORMATION AVAILABLE (E Code)		3
ACTIVE DIVERSIONS - DAILY*		79
INFREQUENT STRUCTURES		199
INACTIVE DIVERSIONS - NO WATER AVAILABLE (Code B)		0
NOT USED (A,C,D Code)		47
NO INFORMATION AVAILABLE (F Code)		5
NUMBER OF DITCHES		248
NUMBER OF RESERVOIRS		37
NUMBER OF WELLS		48
NUMBER OF OBSERVATIONS		3,753

*Ditches which show no use but had been observed may not be included here.

WATER COMMISSIONER'S SUMMARY

WATER DISTRICT 30 - 1984

DIRECT DIVERSIONS		ACRE FEET
IRRIGATION		116,431
STORAGE		29,762
STOCKWATER		14,167
MUNICIPAL		5,584
DOMESTIC		225
INDUSTRIAL		18,847
RECREATIONAL		249
FISH		15,011
OTHER: COMMERCIAL, RECHARGE		769
TRANSMOUNTAIN-TRANSBASIN	Does not include unctrolled div. to Div. 4	0
INTERSTATE		8,094
	TOTAL DIVERSIONS	209,139

DELIVERIES FROM STORAGE		
IRRIGATION		15,275
DOMESTIC		0
MUNICIPAL		370
STOCK		17
INDUSTRIAL		25,703
RECREATIONAL		0
TRANSBASIN-TRANSMOUNTAIN		0
OTHER:		0
	TOTAL FROM STORAGE	41,365

DELIVERIES FROM TRANSBASIN		
IRRIGATION		315
STORAGE		
MUNICIPAL		
	TOTAL FROM TRANSBASIN	315

DUTY OF WATER:	
TOTAL TO IRRIGATION	132,021
ACRES IRRIGATED	33,673
ACRE FEET DIVERTED PER ACRE	3.92

NUMBER OF STRUCTURES OBSERVED		
WATER RUN - NO INFORMATION AVAILABLE (E Code)		13
ACTIVE DIVERSIONS - DAILY*		248
	INFREQUENT STRUCTURES	474
INACTIVE DIVERSIONS - NO WATER AVAILABLE (Code B)		14
	NOT USED (A,C,D Code)	258
	NO INFORMATION AVAILABLE (F Code)	7
NUMBER OF DITCHES		588
NUMBER OF RESERVOIRS		70
NUMBER OF WELLS		356
NUMBER OF OBSERVATIONS		7,066

*Ditches which show no use but had been observed may not be included here.

WATER COMMISSIONER'S SUMMARY

WATER DISTRICT 31 - 1984

		ACRE FEET
DIRECT DIVERSIONS		
IRRIGATION		199,112
STORAGE		68,613
STOCKWATER		1,663
MUNICIPAL		599
DOMESTIC		46
INDUSTRIAL		0
RECREATIONAL		15
FISH		731
OTHER:		35
TRANSMOUNTAIN-TRANSBASIN		3,077
INTERSTATE		0
	TOTAL DIVERSIONS	273,891
DELIVERIES FROM STORAGE		
IRRIGATION		34,105
DOMESTIC		0
MUNICIPAL		24
STOCK		1
INDUSTRIAL		0
RECREATIONAL		0
TRANSBASIN-TRANSMOUNTAIN		0
OTHER:		1
	TOTAL FROM STORAGE	34,131
DELIVERIES FROM TRANSBASIN		
IRRIGATION		0
STORAGE		0
MUNICIPAL		0
	TOTAL FROM TRANSBASIN	0
DUTY OF WATER:		
TOTAL TO IRRIGATION		233,217
ACRES IRRIGATED		57,347
ACRE FEET DIVERTED PER ACRE		4.07
NUMBER OF STRUCTURES OBSERVED		
WATER RUN - NO INFORMATION AVAILABLE (E Code)		1
ACTIVE DIVERSIONS - DAILY*		167
INFREQUENT STRUCTURES		201
INACTIVE DIVERSIONS - NO WATER AVAILABLE (Code B)		0
NOT USED (A,C,D Code)		46
NO INFORMATION AVAILABLE (F Code)		0
NUMBER OF DITCHES		273
NUMBER OF RESERVOIRS		19
NUMBER OF WELLS		123
NUMBER OF OBSERVATIONS		10,427

*Ditches which show no use but had been observed may not be included here.

WATER COMMISSIONER'S SUMMARY

WATER DISTRICT 32 - 1984

		ACRE FEET
DIRECT DIVERSIONS		
IRRIGATION		39,978
STORAGE		15
STOCKWATER		458
MUNICIPAL		0
DOMESTIC		21
INDUSTRIAL		1
RECREATIONAL		0
FISH		0
OTHER:		5
TRANSMOUNTAIN-TRANSBASIN		0
INTERSTATE		0
	TOTAL DIVERSIONS	40,478
DELIVERIES FROM STORAGE		
IRRIGATION		17,923
DOMESTIC		0
MUNICIPAL		0
STOCK		1,003
INDUSTRIAL		0
RECREATIONAL		0
TRANSBASIN-TRANSMOUNTAIN		0
OTHER:		
	TOTAL FROM STORAGE	18,926
DELIVERIES FROM TRANSBASIN		
IRRIGATION		115,478
STORAGE		19,642
MUNICIPAL		3,400
	TOTAL FROM TRANSBASIN	137,520
DUTY OF WATER:		
TOTAL TO IRRIGATION		173,379
ACRES IRRIGATED		42,728
ACRE FEET DIVERTED PER ACRE		4.06
NUMBER OF STRUCTURES OBSERVED		
WATER RUN - NO INFORMATION AVAILABLE (E Code)		2
ACTIVE DIVERSIONS - DAILY*		171
INFREQUENT STRUCTURES		50
INACTIVE DIVERSIONS - NO WATER AVAILABLE (Code B)		0
NOT USED (A,C,D Code)		50
NO INFORMATION AVAILABLE (F Code)		2
NUMBER OF DITCHES		244
NUMBER OF RESERVOIRS		14
NUMBER OF WELLS		17
NUMBER OF OBSERVATIONS		4,609

*Ditches which show no use but had been observed may not be included here.

WATER COMMISSIONER'S SUMMARY

WATER DISTRICT 33 - 1984

	ACRE FEET
DIRECT DIVERSIONS	
IRRIGATION	27,523
STORAGE	695
STOCKWATER	3,502
MUNICIPAL	7
DOMESTIC	34
INDUSTRIAL	0
RECREATIONAL	0
FISH	0
OTHER:	0
TRANSMOUNTAIN-TRANSBASIN	880
INTERSTATE	1,628
TOTAL DIVERSIONS	34,269
DELIVERIES FROM STORAGE	
IRRIGATION	954
DOMESTIC	0
MUNICIPAL	0
STOCK	4
INDUSTRIAL	0
RECREATIONAL	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER: AUGMENTATION	2
TOTAL FROM STORAGE	960
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
TOTAL FROM TRANSBASIN	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	28,477
ACRES IRRIGATED	7,019
ACRE FEET DIVERTED PER ACRE	4.06
NUMBER OF STRUCTURES OBSERVED	
WATER RUN - NO INFORMATION AVAILABLE (E Code)	0
ACTIVE DIVERSIONS - DAILY*	42
INFREQUENT STRUCTURES	58
INACTIVE DIVERSIONS - NO WATER AVAILABLE (Code B)	0
NOT USED (A,C,D Code)	23
NO INFORMATION AVAILABLE (F Code)	10
NUMBER OF DITCHES	95
NUMBER OF RESERVOIRS	8
NUMBER OF WELLS	30
NUMBER OF OBSERVATIONS	4,445

*Ditches which show no use but had been observed may not be included here.

WATER COMMISSIONER'S SUMMARY

WATER DISTRICT 34 - 1984

		ACRE FEET
DIRECT DIVERSIONS		
IRRIGATION		30,419
STORAGE		6,256
STOCKWATER		4,439
MUNICIPAL		775
DOMESTIC		17
INDUSTRIAL		0
RECREATIONAL		0
FISH		6
OTHER: COMMERCIAL		2
TRANSMOUNTAIN-TRANSBASIN		0
INTERSTATE		0
	TOTAL DIVERSIONS	41,914
DELIVERIES FROM STORAGE		
IRRIGATION		7,483
DOMESTIC		0
MUNICIPAL		87
STOCK		0
INDUSTRIAL		0
RECREATIONAL FISH		80
TRANSBASIN-TRANSMOUNTAIN		0
OTHER: COMMERCIAL		5
	TOTAL FROM STORAGE	7,655
DELIVERIES FROM TRANSBASIN		
IRRIGATION		828
STORAGE		49
MUNICIPAL		0
	TOTAL FROM TRANSBASIN	877
DUTY OF WATER:		
TOTAL TO IRRIGATION		38,730
ACRES IRRIGATED		11,813
ACRE FEET DIVERTED PER ACRE		3.28
NUMBER OF STRUCTURES OBSERVED		
WATER RUN - NO INFORMATION AVAILABLE (E Code)		0
ACTIVE DIVERSIONS - DAILY*		74
	INFREQUENT STRUCTURES	27
INACTIVE DIVERSIONS - NO WATER AVAILABLE (Code B)		0
NOT USED (A,C,D Code)		9
NO INFORMATION AVAILABLE (F Code)		0
NUMBER OF DITCHES		91
NUMBER OF RESERVOIRS		11
NUMBER OF WELLS		8
NUMBER OF OBSERVATIONS		1,163

*Ditches which show no use but had been observed may not be included here.

WATER COMMISSIONER'S SUMMARY

WATER DISTRICT 46 - 1984

	ACRE FEET
DIRECT DIVERSIONS	
IRRIGATION	6,357
STORAGE	
STOCKWATER	
MUNICIPAL	
DOMESTIC	
INDUSTRIAL	
RECREATIONAL	1,189
FISH	
OTHER:	
TRANSMOUNTAIN-TRANSBASIN	
INTERSTATE	
TOTAL DIVERSIONS	7,546
DELIVERIES FROM STORAGE	
IRRIGATION	
DOMESTIC	
MUNICIPAL	
STOCK	
INDUSTRIAL	
RECREATIONAL	
TRANSBASIN-TRANSMOUNTAIN	
OTHER:	
TOTAL FROM STORAGE	0
DELIVERIES FROM TRANSBASIN	
IRRIGATION	
STORAGE	
MUNICIPAL	
TOTAL FROM TRANSBASIN	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	6,357
ACRES IRRIGATED	1,768
ACRE FEET DIVERTED PER ACRE	3.60
NUMBER OF STRUCTURES OBSERVED	
WATER RUN - NO INFORMATION AVAILABLE (E Code)	0
ACTIVE DIVERSIONS - DAILY*	39
INFREQUENT STRUCTURES	0
INACTIVE DIVERSIONS - NO WATER AVAILABLE (Code B)	0
NOT USED (A,C,D Code)	0
NO INFORMATION AVAILABLE (F Code)	0
NUMBER OF DITCHES	38
NUMBER OF RESERVOIRS	1
NUMBER OF WELLS	0
NUMBER OF OBSERVATIONS	818

*Ditches which show no use but had been observed may not be included here.

WATER COMMISSIONER'S SUMMARY

WATER DISTRICT 69 - 1984

DIRECT DIVERSIONS	ACRE FEET
IRRIGATION	3,427
STORAGE	359
STOCKWATER	
MUNICIPAL	
DOMESTIC	
INDUSTRIAL	1
RECREATIONAL	
FISH	
OTHER:	
TRANSMOUNTAIN-TRANSBASIN	
INTERSTATE	
TOTAL DIVERSIONS	3,787

DELIVERIES FROM STORAGE	
IRRIGATION	22
DOMESTIC	
MUNICIPAL	
STOCK	
INDUSTRIAL	
RECREATIONAL	
TRANSBASIN-TRANSMOUNTAIN	
OTHER:	
TOTAL FROM STORAGE	22

DELIVERIES FROM TRANSBASIN	
IRRIGATION	
STORAGE	
MUNICIPAL	
TOTAL FROM TRANSBASIN	0

DUTY OF WATER:	
TOTAL TO IRRIGATION	3,449
ACRES IRRIGATED	1,652
ACRE FEET DIVERTED PER ACRE	2.09

NUMBER OF STRUCTURES OBSERVED	
WATER RUN - NO INFORMATION AVAILABLE (E Code)	0
ACTIVE DIVERSIONS - DAILY*	12
INFREQUENT STRUCTURES	3
INACTIVE DIVERSIONS - NO WATER AVAILABLE (Code B)	0
NOT USED (A,C,D Code)	15
NO INFORMATION AVAILABLE (F Code)	0
NUMBER OF DITCHES	24
NUMBER OF RESERVOIRS	5
NUMBER OF WELLS	1
NUMBER OF OBSERVATIONS	162

*Ditches which show no use but had been observed may not be included here.

WATER COMMISSIONER'S SUMMARY

WATER DISTRICT 71 - 1984

		ACRE FEET
DIRECT DIVERSIONS		
IRRIGATION		4,187
STORAGE		77,545
STOCKWATER		9
MUNICIPAL		1,506
DOMESTIC		72
INDUSTRIAL		0
RECREATIONAL		0
FISH		0
OTHER: COMMERCIAL		6
TRANSMOUNTAIN-TRANSBASIN		128,692
INTERSTATE		0
	TOTAL DIVERSIONS	212,017
DELIVERIES FROM STORAGE		
IRRIGATION		82
DOMESTIC		
MUNICIPAL		
STOCK		
INDUSTRIAL		
RECREATIONAL		
TRANSBASIN-TRANSMOUNTAIN		16,207
OTHER:		
	TOTAL FROM STORAGE	16,289
DELIVERIES FROM TRANSBASIN		
IRRIGATION		
STORAGE		
MUNICIPAL		
	TOTAL FROM TRANSBASIN	0
DUTY OF WATER:		
TOTAL TO IRRIGATION		4,269
ACRES IRRIGATED		1,523
ACRE FEET DIVERTED PER ACRE		2.80
NUMBER OF STRUCTURES OBSERVED		
WATER RUN - NO INFORMATION AVAILABLE (E Code)		1
ACTIVE DIVERSIONS - DAILY*		43
INFREQUENT STRUCTURES		59
INACTIVE DIVERSIONS - NO WATER AVAILABLE (Code B)		0
NOT USED (A,C,D Code)		64
NO INFORMATION AVAILABLE (F Code)		0
NUMBER OF DITCHES		122
NUMBER OF RESERVOIRS		10
NUMBER OF WELLS		35
NUMBER OF OBSERVATIONS		1,461

*Ditches which show no use but had been observed may not be included here.

WATER COMMISSIONER'S SUMMARY

WATER DISTRICT 77 - 1984

		ACRE FEET
DIRECT DIVERSIONS		
IRRIGATION		18,061
STORAGE		
STOCKWATER		965
MUNICIPAL		
DOMESTIC		9
INDUSTRIAL		1
RECREATIONAL		
FISH		3,397
OTHER: COMMERCIAL		14
TRANSMOUNTAIN-TRANSBASIN		
INTERSTATE		61,301
	TOTAL DIVERSIONS	83,748
DELIVERIES FROM STORAGE		
IRRIGATION		728
DOMESTIC		
MUNICIPAL		
STOCK		
INDUSTRIAL		
RECREATIONAL		
TRANSBASIN-TRANSMOUNTAIN		
OTHER:		
	TOTAL FROM STORAGE	728
DELIVERIES FROM TRANSBASIN		
IRRIGATION		440
STORAGE		119
MUNICIPAL		
	TOTAL FROM TRANSBASIN	559
DUTY OF WATER:		
TOTAL TO IRRIGATION		19,229
ACRES IRRIGATED		4,519
ACRE FEET DIVERTED PER ACRE		4.26
NUMBER OF STRUCTURES OBSERVED		
WATER RUN - NO INFORMATION AVAILABLE (E Code)		0
ACTIVE DIVERSIONS - DAILY*		81
INFREQUENT STRUCTURES		21
INACTIVE DIVERSIONS - NO WATER AVAILABLE (Code B)		0
NOT USED (A,C,D Code)		11
NO INFORMATION AVAILABLE (F Code)		0
NUMBER OF DITCHES		83
NUMBER OF RESERVOIRS		17
NUMBER OF WELLS		13
NUMBER OF OBSERVATIONS		1,399

*Ditches which show no use but had been observed may not be included here.

WATER COMMISSIONER'S SUMMARY

WATER DISTRICT 78 - 1984

		ACRE FEET
DIRECT DIVERSIONS		
IRRIGATION		28,087
STORAGE		367
STOCKWATER		1,292
MUNICIPAL		
DOMESTIC		72
INDUSTRIAL		
RECREATIONAL		
FISH		130
OTHER: COMMERCIAL		115
TRANSMOUNTAIN-TRANSBASIN		310
INTERSTATE		
	TOTAL DIVERSIONS	30,373
DELIVERIES FROM STORAGE		
IRRIGATION		69
DOMESTIC		
MUNICIPAL		494
STOCK		
INDUSTRIAL		
RECREATIONAL		
TRANSBASIN-TRANSMOUNTAIN		
OTHER:		
	TOTAL FROM STORAGE	563
DELIVERIES FROM TRANSBASIN		
IRRIGATION		342
STORAGE		
MUNICIPAL		
	TOTAL FROM TRANSBASIN	342
DUTY OF WATER:		
TOTAL TO IRRIGATION		28,498
ACRES IRRIGATED		8,151
ACRE FEET DIVERTED PER ACRE		3.50
NUMBER OF STRUCTURES OBSERVED		
WATER RUN - NO INFORMATION AVAILABLE (E Code)		2
ACTIVE DIVERSIONS - DAILY*		103
INFREQUENT STRUCTURES		45
INACTIVE DIVERSIONS - NO WATER AVAILABLE (Code B)		3
NOT USED (A,C,D Code)		28
NO INFORMATION AVAILABLE (F Code)		9
NUMBER OF DITCHES		150
NUMBER OF RESERVOIRS		23
NUMBER OF WELLS		17
NUMBER OF OBSERVATIONS		2,326

*Ditches which show no use but had been observed may not be included here.