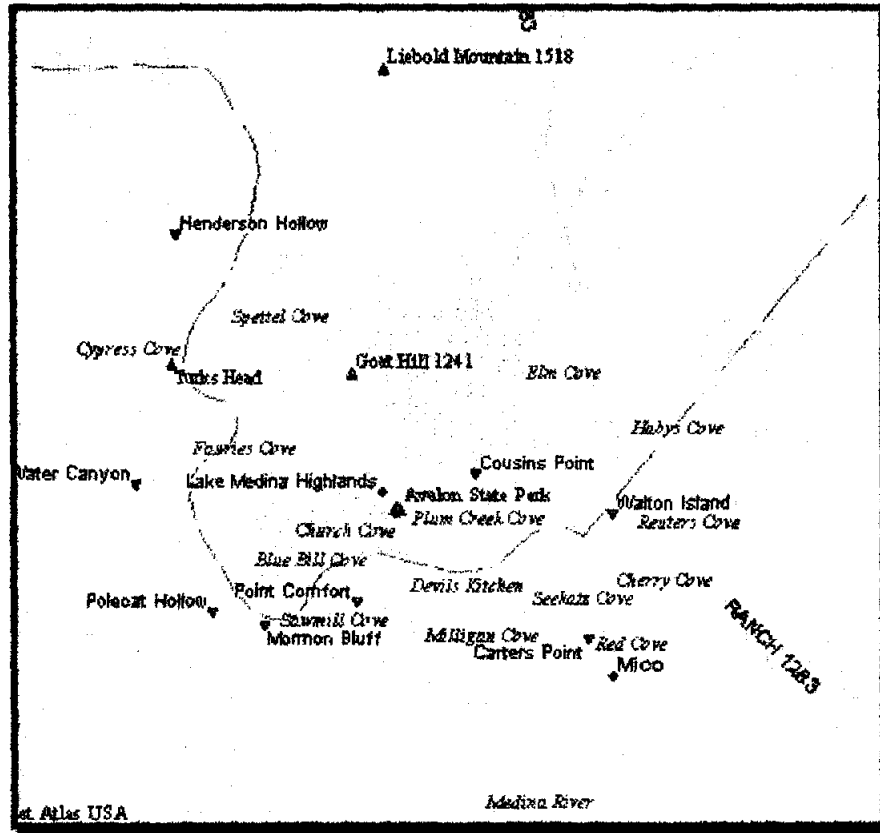


MEDINA COUNTY REGIONAL WATER PLAN

SIMYLD-II ANALYSIS



JULY 7, 1997

PREPARED BY:

BLACKWELL & ASSOCIATES

AND

R.J. BRANDES COMPANY

MEDINA COUNTY REGIONAL WATER PLAN

SECTION 4 - MEDINA LAKE WATER SYSTEM

INTRODUCTION

This section provides a summary and evaluation of the current surface water resources available within Medina County, and in particular, the Medina Lake System. This information is used to determine future surface water availability and to formulate the Water Resource Management Plan.

MEDINA AND DIVERSION LAKES

Medina and Diversion Lakes are located on the Medina River in northeastern Medina County and southeastern Bandera County. Bexar-Medina-Atascosa Water Control and Improvement District No. 1 (BMA) owns and operates both of the lakes and their dam facilities.

Medina Lake was constructed in 1911 to supplement existing irrigation supplies. The Medina River is impounded behind the 164 foot high concrete gravity dam located 14 miles upstream of Castroville. Inflows to the lake originate over a 653 square mile drainage area. When the water surface elevation is 1,072 feet, the lake is approximately 18 miles long and about three (3) miles wide at the widest part. Medina Lake has a maximum capacity of 254,000 acre-feet (at elevation 1,072.0 feet) and a surface area of 5,575 acres. When the dam was built, the large amount of storage was created to conserve the largest possible percentage of the runoff from Medina Basin.

Water from Medina Lake is discharged down a four (4) mile canyon to a smaller impoundment, Diversion Lake. The 50 foot tall dam was built in 1913. The average inflow into the lake between the years 1940 and 1986 was 3,413 acre-feet. At the surface water elevation of 926.5, the lake has a volume of 2,555 acre-feet and a surface area of 169 acres. From Diversion Lake, the water is diverted into a system of irrigation canals also owned and operated by BMA. BMA is authorized to divert up to 66,000 acre-feet per year for irrigation, municipal and industrial purposes from the lakes. Annual diversions have averaged 30,280 acre-feet between 1957 and 1994.

Seepage of the impounded water in both lakes into the underlying bedrock has been documented by various sources. Qualitative assessments have shown that the channel connecting both lakes experiences large seepage losses. Quantitative estimates have shown that seepage losses from Medina and Diversion Lakes averages about 72,000 acre-feet per year. The loss on the Medina Lake varies with the stage in the reservoir, however, the loss from Diversion Lake is relatively constant. Medina Lake leakage losses average about 22,710 acre-feet per year most of which is captured by Diversion Dam.

The average annual inflow to Medina Lake was estimated to be about 94,500 acre-feet measured at the United States Geological Survey (USGS) Pipe Creek gauge located on the Medina River near the upper end of the lake. An average of 2.5 feet of net evaporation occurs each year.

Pearson Dam And Reservoir

Pearson Lake is a small reservoir located off of the main BMA canal. This reservoir provides storage for any water remaining in the canal at the end of the irrigation season or when the water is not used due to adequate rainfall. The water is diverted from the canal and can then be stored until needed. The Pearson reservoir is also used to fill small water orders instead of filling the entire canal system. An earth dam diverts the water from the canals into a 23 acre impoundment. The existing capacity is 250 acre-feet.

Chacon Dam and Lake

The Chacon Dam is an earth dam across the Chacon Creek. Chacon Lake is also used to store excess water from the canal system. In addition to the diverted water, the lake also receives runoff from the 17 square mile Chacon Creek watershed. A spillway allows excess water to continue down Chacon Creek and a gated outlet releases water back into the lower canal system.

PLANNED SURFACE WATER FEATURES

WATER CONSERVATION PLAN - PL-566 PROGRAM

Increasing urbanization within BMA is rapidly shifting the demand for water from agricultural to municipal. Until recently, the entire region depended on the Edwards Aquifer to meet municipal, industrial, and a large portion of agricultural water demands. The Edwards Aquifer is one of the largest sole source aquifers in the United States and the first to be so designated by the Environmental Protection Agency. Rapid growth in the San Antonio region has increased demand on this limited resource, which has led to intervention by the Federal Courts. With increasing demands for water, inefficient use and conveyance wastes this limited resource.

The loss of water along the route of delivery determines the conveyance efficiency. Losses can be determined by measuring the flow at the point of diversion, and again at the field. Whenever the loss exceeds 1/2 to 2 percent per mile, steps should be taken to determine the cause and implement corrective action. Causes may include excessive growth of trees along or in the canal and seepage which can be corrected by lining or sealing.

BMA has been more aggressive recently in improving water conservation and delivery efficiency. These efforts have included:

1. increased maintenance and clearing of canals,
2. replacement of failing canal structures (Natalia Canal Diversion Structure),
3. terminating service to farms that waste water,
4. deleting small tracts from service area, and
5. cooperative efforts with the Soil Conservation Service to implement improved methods of irrigation.

"The main canal system operation will be improved through the continuation of the enhanced canal maintenance program, coupled with a program of lining all channels. Lining the main canal will reduce or eliminate most normal operation losses in the 24 mile system between the Diversion Lake and Pearson Junction, the point where BMA starts to distribute water to the lateral canal system. A loss reduction will, in effect, increase the yield of the system because

Certificate of Adjudication has no minimum stream flow requirement restricting its diversion rights.

BMA'S CONTRACTUAL OBLIGATIONS

BMA has entered into a series of agreements with the Bexar Metropolitan Water District (Bexar-Met). These agreements provide for the sale of water from BMA's water system to Bexar-Met and for payments by Bexar-Met to BMA to ensure future water availability for sale to Bexar-Met. In summary, a 1991 agreement provides for the sale of "excess water" (as determined by BMA) at a fixed price on a take-or-pay basis; a 1992 agreement suspends for five years certain provisions of the 1991 agreement delaying the sale of excess water to Bexar-Met, with Bexar-Met making fixed annual payments for maintenance, repairs, and improvements to BMA's water system; and a 1995 agreement provides that BMA will sell specified amounts of water on a "priority basis" before determining the amount of excess water as defined in the 1991 agreement.

1991 Long-Term Water Sales Agreement

The 1991 agreement provides for the sale of excess water from BMA's adjudication of 20,000 acre-feet of M&I water per year. The agreement is effective from September 1, 1991, for a period of twenty years with the option to extend the agreement for an additional ten years. Several options to terminate the agreement are available to BMA. Bexar-Met may terminate the agreement effective December 31 of the year after Bexar-Met gives proper notices. In February 1995, BMA's Certificates of Adjudication were amended by the TNRCC to authorize dual use of its water for both irrigation and municipal purposes.

Excess water is determined at BMA's sole discretion. The agreement requires BMA to evaluate the availability of excess water at least twice a year in the months of February and August. Bexar-Met agrees to purchase during each contract year all excess water as determined by BMA whether or not Bexar-Met takes delivery of the water. The price of the water for the first term contract years shall be \$56.00 for each metered acre-foot, subject to adjustments thereafter and for water resold by BMA. BMA is committed to deliver the excess water only by gravity flows to Bexar-Met's designated point of diversion from BMA's system.

1992 Water Conservation Agreement

In 1992, BMA entered into a water conservation agreement with Bexar-Met as a result of the water sales agreement. The agreement provides that BMA will take certain steps to ensure future excess waters, as defined in the water sales agreement, including measures to conserve water in BMA's irrigation system. The agreement became effective September 1, 1992, for a period of five years. Bexar-Met will pay BMA \$300,000 each year that the contract is in effect. This water conservation agreement requires BMA to waive its right to declare excess water during the five-year term of the agreement.

1995 Water Availability Contract

In 1995, BMA completed an agreement with Bexar-Met to make additional water available to Bexar-Met. The parties agreed that, in addition to other water deliverable to Bexar-Met as excess water pursuant to the 1991 agreement, BMA would deliver on a priority basis up to 6,000 acre-feet of water per year, to the extent water is available in accordance with conditions stated in the 1995 agreement. The potential availability of excess water pursuant to the 1991 agreement is directly reduced on an acre-foot basis.

On each anniversary date, Bexar-Met will pay BMA the purchase price for the entire quantity of water deliverable under the 1995 agreement during the twelve months following November 1, 1996. BMA is entitled to the entire purchase price for the stated quantity of priority water whether or not Bexar-Met accepts BMA's tender of the water.

BANDERA COUNTY

In 1996 BMA entered into an agreement with Bandera County to provide the County with up to 5,000 acre feet per year of water, to the extent water is available, in accordance with conditions stated in the 1996 agreement. The contract runs for 50 years.

A portion of this water (estimated to be 30%) will be taken out of the Medina River prior to entering the Medina Lake System. The remaining portion (estimated to be 70%) will be diverted from the lake for use by residences adjacent to the lake.

WATER MANAGEMENT - COMPUTER MODELING

The SIMYLD-II computer program, which was developed in 1972 by the TWDB for analyzing reservoir systems, was applied to describe and simulate the operations and behavior of the various elements of the water resources system that presently is available, or is to be developed, to serve Medina County. This water resources system operations model includes the following components:

1. Medina Lake;
2. Diversion Lake;
3. Pearson Lake;
4. Ground Water Resources;
5. Aquifer Storage Recovery

The physical and hydrologic characteristics of Medina Lake, Diversion Lake and Pearson Lake are described in the model, and the hydraulic behavior of these reservoirs, under a defined set of specified annual withdrawals and operating rules (including provisions for environmental water needs), have been simulated with the SIMYLD model using a monthly time step over a prescribed period of 50 years with historical watershed inflows and Rainfall evaporation conditions. Ground water resources have also been included in the model as a defined source(s) of water, with specified allowable annual withdrawal amounts. The aquifer storage-recovery (ASR) project was linked to the availability of water from Medina Lake and Pearson Lake, after treatment at the proposed Pearson Junction water treatment plant.

The SIMYLD model was structured so as to accommodate, the analysis and simulation of the following water supply scenarios:

1. Medina Lake System without Pearson Lake and ASR, and without water conservation (PL-566 Canal Refurbishment Program).
2. Medina Lake System with Pearson Lake and ASR, but without water conservation (PL-566 Canal Refurbishment Program).
3. Medina Lake without Pearson Lake and ASR, but with water conservation (PL-566 Canal Refurbishment Program).

4. Medina Lake System with Pearson Lake and ASR, and with water conservation (PL-566 Canal Refurbishment Program).

For each of these scenarios, the SIMYLD model was operated to determine the characteristics of the system based on the period from 1940 to 1989, which includes the historical drought of the 1950's.

Figure 1 represents the basis of the model for the system without conservation, while Figure 2 represents the system with conservation. The BMA conservation program will conserve approximately 15,000 Ac.-Ft. per year.

For the modeling period (1940 to 1989), the relationship between historical annual irrigation canal diversions (BMA Irrigation Demand) and the historical inflows to Medina Lake were developed (See Figure 3). This relationship was used to determine the projected Irrigation Demand for any given inflow quantity to the lake (See Table 1).

The results of the modeling are detailed in the attached four sections.

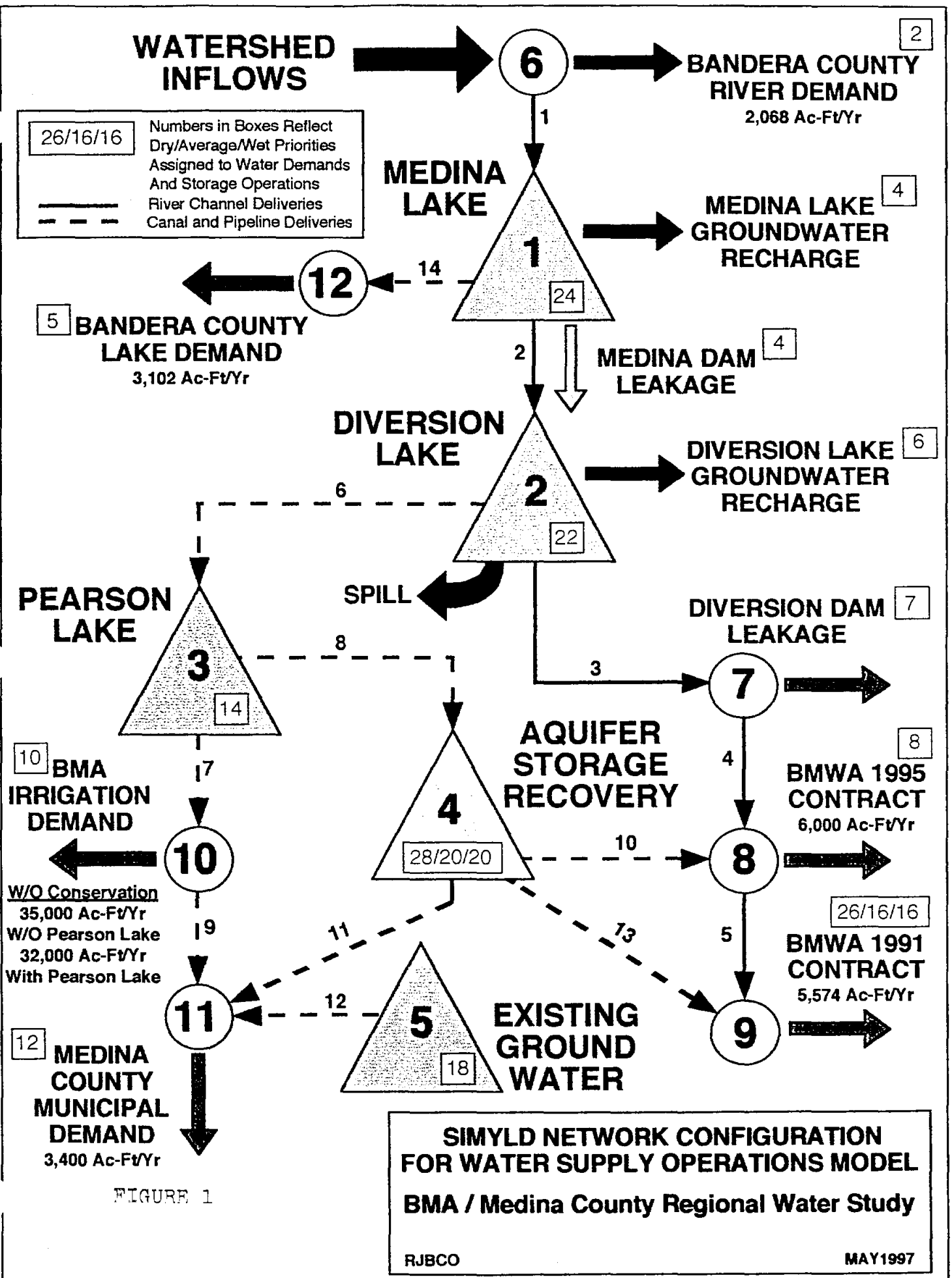


FIGURE 1

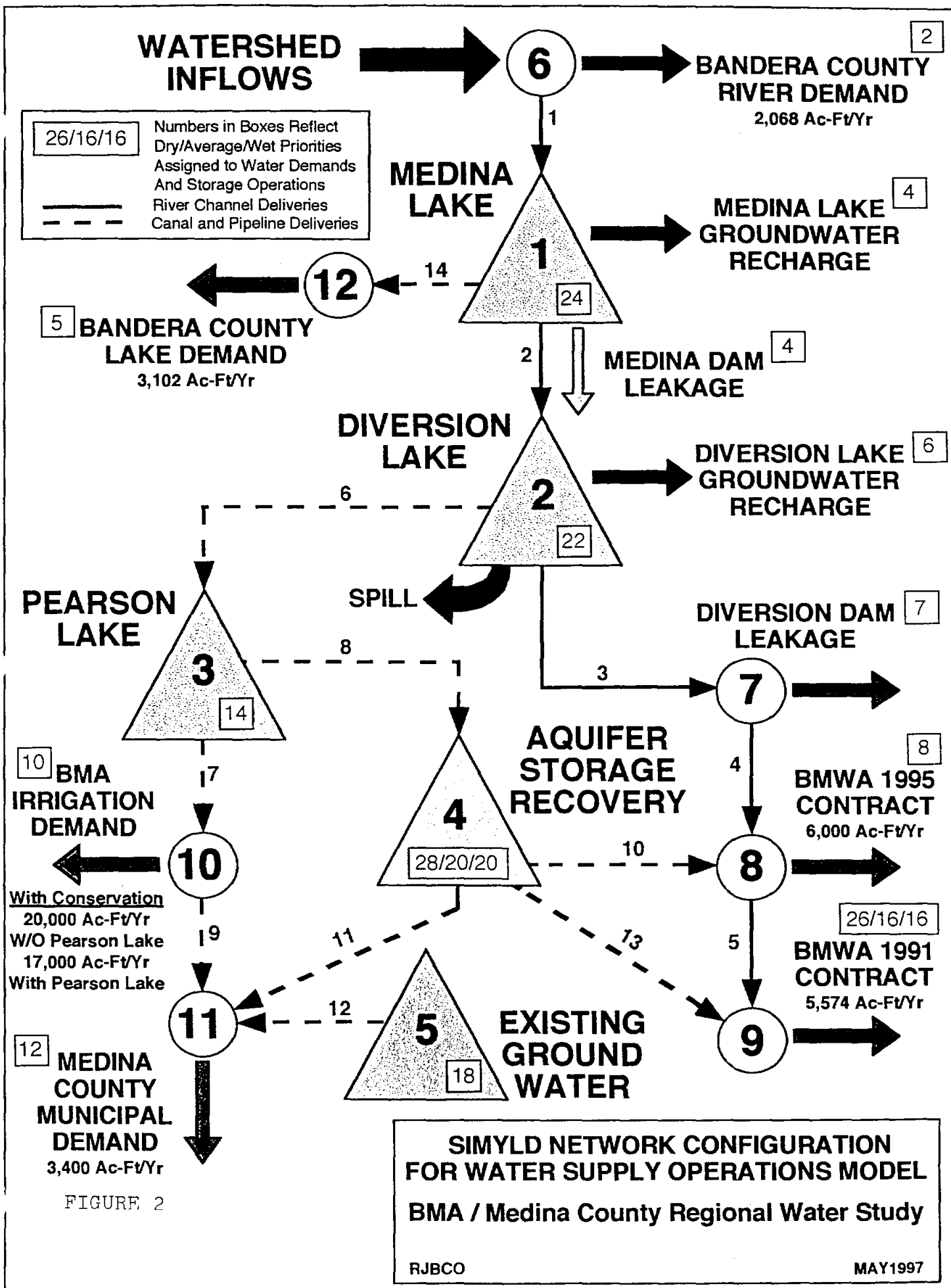


FIGURE 2

**RELATIONSHIP BETWEEN HISTORICAL ANNUAL IRRIGATION CANAL DIVERSIONS
AND HISTORICAL ANNUAL INFLOWS TO MEDINA LAKE
Bexar-Medina-Atascosa Counties WCID No. 1**

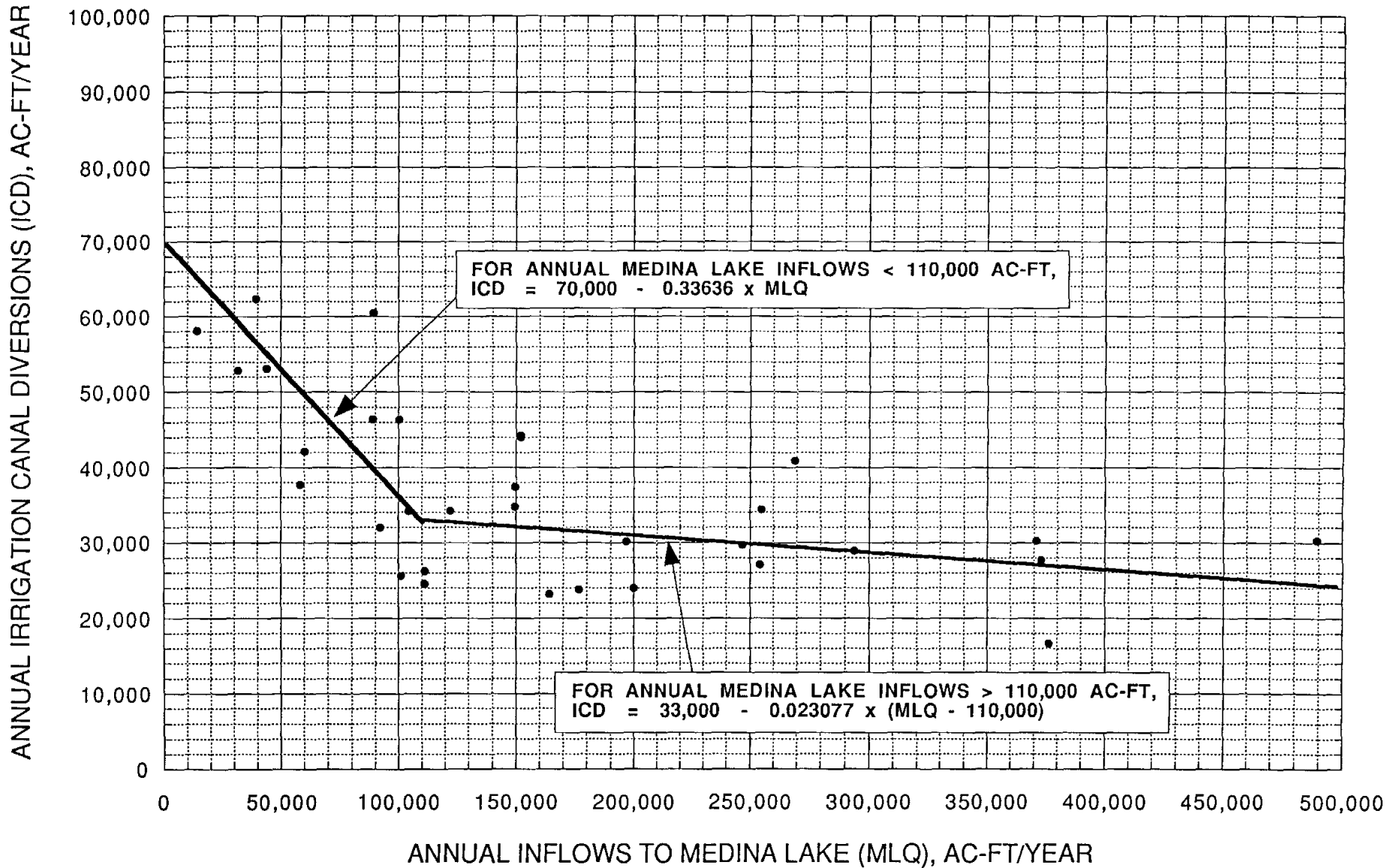


FIGURE 3

IRRIGATION DIVERSIONS VS. MEDINA LAKE INFLOWS

RJBCO / 7-5-97

YEAR	ACTUAL HISTORICAL IRRIGATION CANAL DIVERSIONS	HISTORICAL INFLOWS TO MEDINA LAKE	(1)	DEVIATION OF CALCULATED IRR. DEMANDS FROM ACTUAL	(2)	(3)
			CALCULATED HISTORICAL IRRIGATION DEMANDS W/O CONSERV		CALCULATED HISTORICAL IRRIGATION DEMANDS W/ CONSERV	CALCULATED HISTORICAL IRRIGATION DEMANDS W/ CONSERV W/ PEARSON L
			[ICDC] AC-FT		[ICDCWC] AC-FT	[ICDCWCP] AC-FT
[ICD] AC-FT	[MLQ] AC-FT	[ICDC] AC-FT	AC-FT	[ICDCWC] AC-FT	[ICDCWCP] AC-FT	
1958	27,639	373,403	26,921	-718	15,384	15,384
1959	34,169	122,193	32,719	-1,450	18,696	17,000
1960	34,702	149,458	32,089	-2,613	18,337	17,000
1961	44,252	151,894	32,033	-12,219	18,305	17,000
1962	52,802	31,876	59,278	6,476	33,873	30,873
1963	58,075	14,396	65,158	7,083	37,233	34,233
1964	34,182	104,311	34,914	732	19,951	17,000
1965	25,599	101,197	35,961	10,362	20,549	17,549
1966	31,925	92,017	39,049	7,124	22,314	19,314
1967	42,116	60,202	49,750	7,634	28,429	25,429
1968	23,958	200,136	30,920	6,962	17,669	17,000
1969	26,187	111,118	32,974	6,787	18,842	17,000
1970	24,485	111,168	32,973	8,488	18,842	17,000
1971	28,840	293,824	28,758	-82	16,433	16,433
1972	43,995	151,925	32,032	-11,963	18,304	17,000
1973	16,638	376,657	26,846	10,208	15,341	15,341
1974	37,346	149,540	32,088	-5,258	18,336	17,000
1975	26,992	254,094	29,675	2,683	16,957	16,957
1976	23,723	176,836	31,458	7,735	17,976	17,000
1977	30,123	196,868	30,995	872	17,712	17,000
1978	40,944	269,262	29,325	-11,619	16,757	16,757
1979	29,672	246,755	29,844	172	17,054	17,000
1980	46,277	100,276	36,271	-10,006	20,726	17,726
1981	30,206	370,983	26,977	-3,229	15,416	15,416
1982	46,409	88,939	40,084	-6,325	22,905	19,905
1983	37,666	58,203	50,423	12,757	28,813	25,813
1984	53,141	44,188	55,137	1,996	31,507	28,507
1985	23,172	164,261	31,748	8,576	18,142	17,000
1986	34,307	254,878	29,657	-4,650	16,947	16,947
1987	30,269	489,532	24,242	-6,027	13,852	13,852
1988	60,470	89,087	40,035	-20,435	22,877	19,877
1989	62,348	39,287	56,785	-5,563	32,449	29,449
Averages	36,332	169,961	36,473	140	20,841	19,274

NOTES: 1) If $MLQ < 110,000$ ac-ft, $ICD = 70,000 - 0.33636 * MLQ$; If $MLQ > 110,000$ ac-ft $ICD = 33,000 - 0.023077 * (MLQ - 110,000)$

2) $ICDCWC = 0.57143 * ICDC$ (35,000/20,000 = 0.57143)

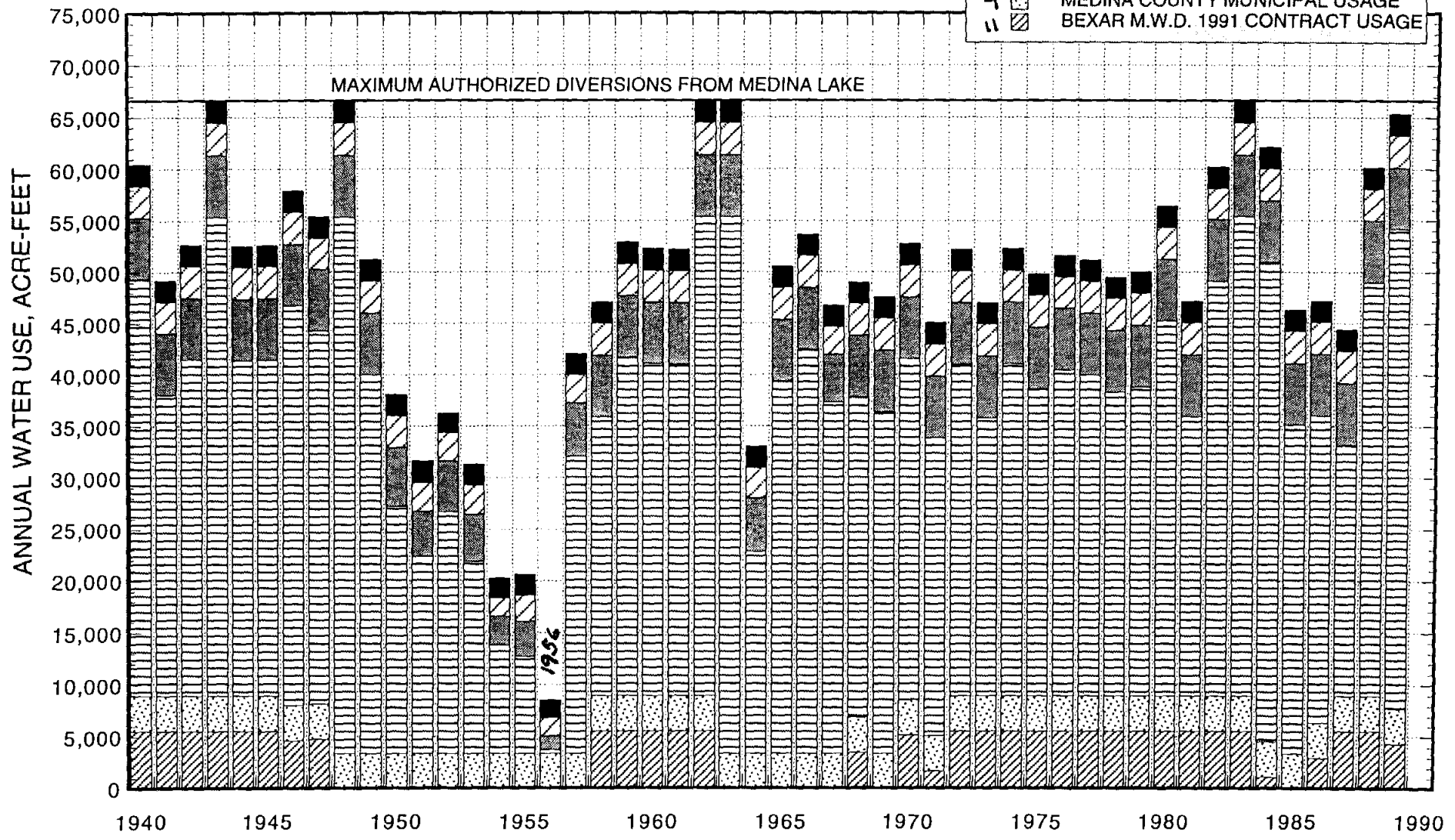
3) If $(ICDCWC - 3,000) < 17,000$, $ICDCWCP = \min(ICDCWC \text{ or } 17,000)$; If $(ICDCWC - 3,000) > 17,000$, $ICDCWCP = ICDCWC - 3$

***SECTION 1
WITHOUT PEARSON LAKE AND ASR
WITHOUT IRRIGATION CONSERVATION***

ANNUAL WATER USE FROM MEDINA LAKE Without Pearson Lake and Aquifer Storage-Recovery Without Irrigation Conservation

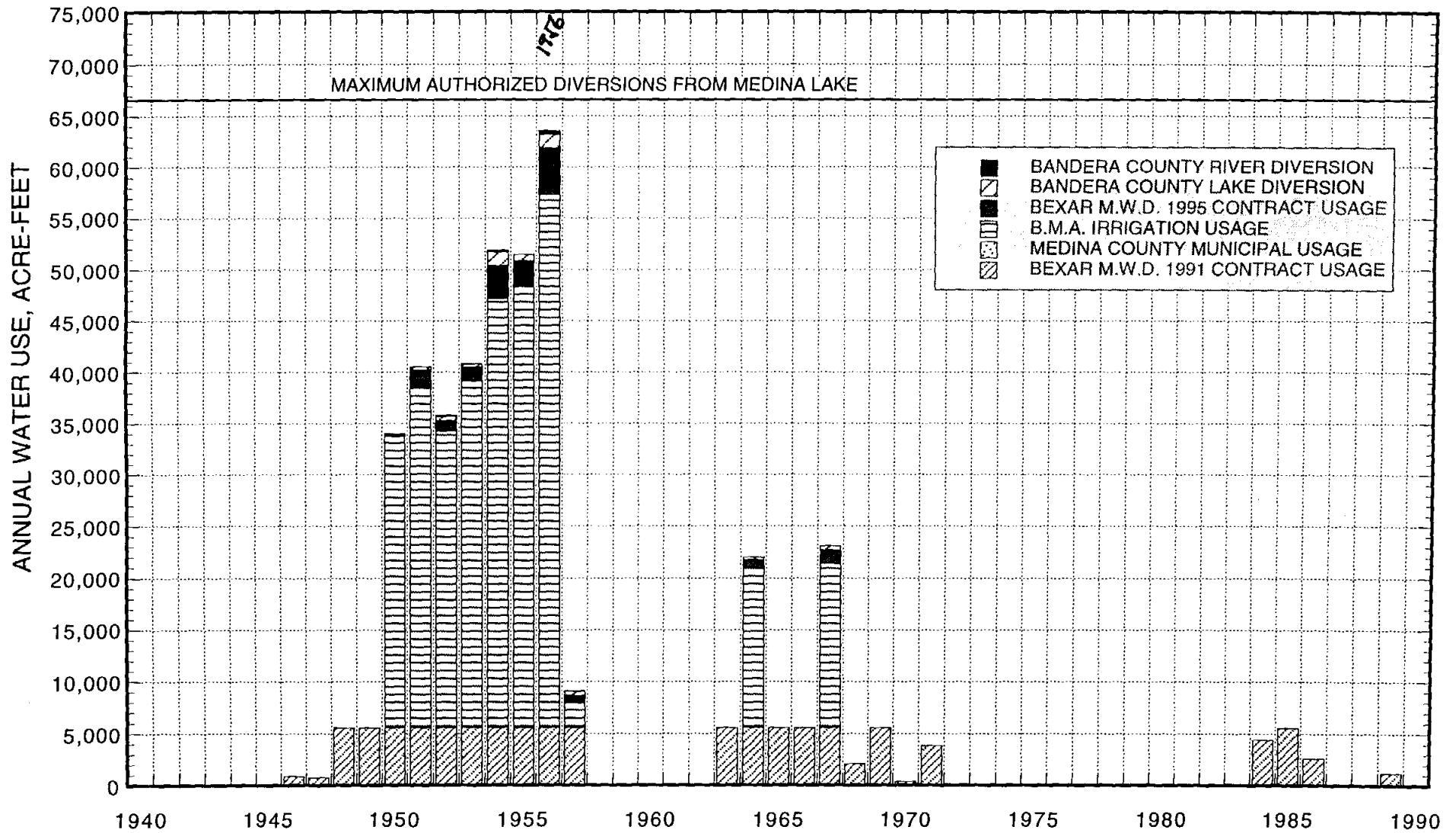
PEARSON

- 1 ■ BANDERA COUNTY RIVER DIVERSION
- 2 ▨ BANDERA COUNTY LAKE DIVERSION
- 3 ▩ BEXAR M.W.D. 1995 CONTRACT USAGE
- 4 ▤ B.M.A. IRRIGATION USAGE
- 5 ▧ MEDINA COUNTY MUNICIPAL USAGE
- 6 ▦ BEXAR M.W.D. 1991 CONTRACT USAGE



ANNUAL WATER SHORTAGES FROM MEDINA LAKE

Without Pearson Lake and Aquifer Storage-Recovery
Without Irrigation Conservation



BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

NUMBER OF MONTHS WITH SHORTAGES WITHIN SPECIFIC PERCENTAGE RANGES OF THE FULL MONTHLY DEMAND AMOUNTS

NODE	NAME	FULL DEMAND A-F/YR	SHORTAGE RANGE EXPRESSED AS A PERCENTAGE RANGE OF THE FULL MONTHLY DEMAND AMOUNTS											
			.0%	.1%	10.1%	20.1%	30.1%	40.1%	50.1%	60.1%	70.1%	80.1%	90.1%	0.1%
			thru	thru	thru	thru	thru	thru	thru	thru	thru	thru	thru	thru
			.0%	10.0%	20.0%	30.0%	40.0%	50.0%	60.0%	70.0%	80.0%	90.0%	100.0%	100.0%
6	BANDCO R	2068	588.	0.	2.	3.	4.	0.	0.	2.	0.	1.	0.	12.
8	BMWA1995	6000	561.	1.	1.	1.	0.	1.	1.	3.	2.	1.	28.	39.
9	BMWA1991	5574	360.	0.	0.	0.	0.	0.	0.	0.	0.	0.	240.	240.
10	BMA IIRRI	35000	525.	1.	2.	0.	2.	3.	4.	4.	2.	7.	50.	75.
11	MEDINACO	3400	600.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	BANDCO L	3102	573.	0.	3.	1.	2.	1.	1.	2.	2.	1.	14.	27.

DEMAND FAILURE PROBABILITIES FOR SHORTAGES WITHIN SPECIFIC PERCENTAGE RANGES OF THE FULL MONTHLY DEMAND AMOUNTS

NODE	NAME	FULL DEMAND A-F/YR	SHORTAGE RANGE EXPRESSED AS A PERCENTAGE RANGE OF THE FULL MONTHLY DEMAND AMOUNTS											
			.0%	.1%	10.1%	20.1%	30.1%	40.1%	50.1%	60.1%	70.1%	80.1%	90.1%	0.1%
			thru	thru	thru	thru	thru	thru	thru	thru	thru	thru	thru	thru
			.0%	10.0%	20.0%	30.0%	40.0%	50.0%	60.0%	70.0%	80.0%	90.0%	100.0%	100.0%
6	BANDCO R	2068	98.0	.0	.3	.5	.7	.0	.0	.3	.0	.2	.0	2.0
8	BMWA1995	6000	93.5	.2	.2	.2	.0	.2	.2	.5	.3	.2	4.7	6.5
9	BMWA1991	5574	60.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40.0	40.0
10	BMA IIRRI	35000	87.5	.2	.3	.0	.3	.5	.7	.7	.3	1.2	8.3	12.5
11	MEDINACO	3400	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	BANDCO L	3102	95.5	.0	.5	.2	.3	.2	.2	.3	.3	.2	2.3	4.5

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 1 MEDINA L

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	254000	0	58405	0	14863	0	202191
2	202191	0	47131	0	9535	0	242390
3	242390	0	50618	0	12774	0	235687
4	235687	0	64499	0	17743	0	140712
5	140712	0	50475	0	11723	0	152308
6	152308	0	50558	0	15827	0	154483
7	154483	0	56780	941	8292	0	123095
8	123095	0	54147	773	15097	0	95088
9	95088	0	70071	5572	6464	0	1815
10	1815	0	54692	5572	2229	0	8136
11	8136	0	70071	34027	211	0	0
12	0	0	70071	40511	53	0	0
13	0	0	70071	35696	128	0	0
14	0	0	70071	40763	224	0	2988
15	2988	0	70071	51707	23	0	0
16	0	0	70071	51492	0	0	0
17	0	0	70071	63220	0	0	0
18	0	0	49072	9055	4589	0	109503
19	109503	0	44995	0	9399	0	254000
20	254000	0	50793	0	14116	0	241189
21	241189	0	50160	0	13276	0	253999
22	253999	0	50106	0	13776	0	217094
23	217094	0	64499	0	15916	0	105504
24	105504	0	70071	5572	6242	0	0
25	0	0	52987	22002	1172	0	52479
26	52479	0	54034	5572	5884	0	46883
27	46883	0	57123	5572	3875	0	34673
28	34673	0	67824	23144	1214	0	18405
29	18405	0	48993	2086	7563	0	107306
30	107306	0	51048	5572	6101	0	110532
31	110532	0	51046	387	8984	0	102480
32	102480	0	46830	3858	9959	0	254000
33	254000	0	50104	0	18317	0	236226
34	236226	0	44919	0	13554	0	254000
35	254000	0	50159	0	17255	0	254000
36	254000	0	47748	0	18103	0	229968
37	229968	0	49531	0	13918	0	254000
38	254000	0	49069	0	20739	0	220646
39	220646	0	47399	0	15420	0	254000
40	254000	0	47917	0	15858	0	224350
41	224350	0	54345	0	16531	0	188815
42	188815	0	45049	0	14407	0	254000
43	254000	0	58155	0	19409	0	197734
44	197734	0	64499	0	12468	0	116314
45	116314	0	64499	4425	10537	0	35607
46	35607	0	49823	5572	9099	0	90848
47	90848	0	47730	2605	9815	0	232058
48	232058	0	42315	0	17356	0	243482
49	243482	0	58107	0	21881	0	185863
50	185863	0	64499	1213	15879	0	84433
PERIOD TOTALS		0	2793321	426909	517798	0	
PERIOD AVERAGES		0	55866	8538	10355	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 2 DIVRSN L

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		3973	0	55303	0	589	0		3973
2		3973	0	44029	0	347	116376		3973
3		3973	0	47516	0	477	5600		3973
4		3973	0	61397	0	766	0		3973
5		3973	0	47373	0	574	0		3973
6		3973	0	47456	0	726	0		3973
7		3973	0	53678	941	482	0		3973
8		3973	0	51045	773	879	0		3973
9		3973	0	66969	5572	831	0		3973
10		3973	0	51590	5572	467	0		3973
11		3973	0	66969	34027	165	0		0
12		0	0	66969	40188	121	0		0
13		0	0	66969	35318	120	0		20
14		20	0	66969	40484	140	0		3973
15		3973	0	66969	50363	73	0		0
16		0	0	66969	50863	0	0		0
17		0	0	66969	61886	0	0		0
18		0	0	45970	8684	382	0		3973
19		3973	0	41893	0	334	108792		3973
20		3973	0	47691	0	520	2118		3973
21		3973	0	47058	0	514	5930		3973
22		3973	0	47004	0	509	57056		3973
23		3973	0	61397	0	800	0		3973
24		3973	0	66969	5572	767	0		2549
25		2549	0	49885	21813	187	0		3973
26		3973	0	50932	5572	557	0		3973
27		3973	0	54021	5572	588	0		3973
28		3973	0	64722	22752	354	0		3973
29		3973	0	45891	2086	433	0		3973
30		3973	0	47946	5572	481	0		3973
31		3973	0	47944	387	526	0		3973
32		3973	0	43728	3858	686	29993		3973
33		3973	0	47002	0	668	33072		3973
34		3973	0	41817	0	495	232586		3973
35		3973	0	47057	0	630	13933		3973
36		3973	0	44646	0	658	143977		3973
37		3973	0	46429	0	528	22141		3973
38		3973	0	45967	0	769	92309		3973
39		3973	0	44297	0	636	106661		3973
40		3973	0	44815	0	581	144481		3973
41		3973	0	51243	0	742	0		3973
42		3973	0	41947	0	528	179226		3973
43		3973	0	55053	0	734	0		3973
44		3973	0	61397	0	640	0		3973
45		3973	0	61397	4425	932	0		3973
46		3973	0	46721	5572	664	0		3973
47		3973	0	44628	2605	649	0		3973
48		3973	0	39213	0	627	350141		3973
49		3973	0	55005	0	882	0		3973
50		3973	0	61397	1213	896	0		3973
PERIOD TOTALS			0	2638221	421670	26654	1644392		
PERIOD AVERAGES			0	52764	8433	533	32887		

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 3 PEARSN L

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1		0	0	43733	0	0	0	0
2		0	0	32459	0	0	0	0
3		0	0	35946	0	0	0	0
4		0	0	49827	0	0	0	0
5		0	0	35803	0	0	0	0
6		0	0	35886	0	0	0	0
7		0	0	42108	0	0	0	0
8		0	0	39475	0	0	0	0
9		0	0	55399	0	0	0	0
10		0	0	40020	0	0	0	0
11		0	0	55399	28161	0	0	0
12		0	0	55399	32995	0	0	0
13		0	0	55399	28655	0	0	0
14		0	0	55399	33538	0	0	0
15		0	0	55399	41598	0	0	0
16		0	0	55399	42714	0	0	0
17		0	0	55399	51685	0	0	0
18		0	0	34400	2325	0	0	0
19		0	0	30323	0	0	0	0
20		0	0	36121	0	0	0	0
21		0	0	35488	0	0	0	0
22		0	0	35434	0	0	0	0
23		0	0	49827	0	0	0	0
24		0	0	55399	0	0	0	0
25		0	0	38315	15477	0	0	0
26		0	0	39362	0	0	0	0
27		0	0	42451	0	0	0	0
28		0	0	53152	15832	0	0	0
29		0	0	34321	0	0	0	0
30		0	0	36376	0	0	0	0
31		0	0	36374	0	0	0	0
32		0	0	32158	0	0	0	0
33		0	0	35432	0	0	0	0
34		0	0	30247	0	0	0	0
35		0	0	35487	0	0	0	0
36		0	0	33076	0	0	0	0
37		0	0	34859	0	0	0	0
38		0	0	34397	0	0	0	0
39		0	0	32727	0	0	0	0
40		0	0	33245	0	0	0	0
41		0	0	39673	0	0	0	0
42		0	0	30377	0	0	0	0
43		0	0	43483	0	0	0	0
44		0	0	49827	0	0	0	0
45		0	0	49827	0	0	0	0
46		0	0	35151	0	0	0	0
47		0	0	33058	0	0	0	0
48		0	0	27643	0	0	0	0
49		0	0	43435	0	0	0	0
50		0	0	49827	0	0	0	0
PERIOD TOTALS			0	2059721	292980	0	0	
PERIOD AVERAGES			0	41194	5859	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 4 ASR PROJ

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0
PERIOD TOTALS		0	0	0	0	0	
PERIOD AVERAGES		0	0	0	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 5 GROUNDWT

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		4000	0	0	0	0	0	4000	4000
2		4000	0	0	0	0	0	4000	4000
3		4000	0	0	0	0	0	4000	4000
4		4000	0	0	0	0	0	4000	4000
5		4000	0	0	0	0	0	4000	4000
6		4000	0	0	0	0	0	4000	4000
7		4000	0	0	0	0	0	4000	4000
8		4000	0	0	0	0	0	4000	4000
9		4000	0	0	0	0	0	4000	4000
10		4000	0	0	0	0	0	4000	4000
11		4000	0	0	0	0	0	1685	1685
12		1685	2315	0	0	0	0	1208	1208
13		1208	2792	0	0	0	0	1702	1702
14		1702	2298	0	0	0	0	1880	1880
15		1880	2120	0	0	0	0	1045	1045
16		1045	2955	0	0	0	0	599	599
17		599	3401	0	0	0	0	599	599
18		599	3401	0	0	0	0	3554	3554
19		3554	446	0	0	0	0	4000	4000
20		4000	0	0	0	0	0	4000	4000
21		4000	0	0	0	0	0	4000	4000
22		4000	0	0	0	0	0	4000	4000
23		4000	0	0	0	0	0	4000	4000
24		4000	0	0	0	0	0	4000	4000
25		4000	0	0	0	0	0	2627	2627
26		2627	1373	0	0	0	0	4000	4000
27		4000	0	0	0	0	0	4000	4000
28		4000	0	0	0	0	0	2919	2919
29		2919	1081	0	0	0	0	4000	4000
30		4000	0	0	0	0	0	4000	4000
31		4000	0	0	0	0	0	4000	4000
32		4000	0	0	0	0	0	4000	4000
33		4000	0	0	0	0	0	4000	4000
34		4000	0	0	0	0	0	4000	4000
35		4000	0	0	0	0	0	4000	4000
36		4000	0	0	0	0	0	4000	4000
37		4000	0	0	0	0	0	4000	4000
38		4000	0	0	0	0	0	4000	4000
39		4000	0	0	0	0	0	4000	4000
40		4000	0	0	0	0	0	4000	4000
41		4000	0	0	0	0	0	4000	4000
42		4000	0	0	0	0	0	4000	4000
43		4000	0	0	0	0	0	4000	4000
44		4000	0	0	0	0	0	4000	4000
45		4000	0	0	0	0	0	4000	4000
46		4000	0	0	0	0	0	4000	4000
47		4000	0	0	0	0	0	4000	4000
48		4000	0	0	0	0	0	4000	4000
49		4000	0	0	0	0	0	4000	4000
50		4000	0	0	0	0	0	4000	4000
PERIOD TOTALS			22182	0	0	0	0		
PERIOD AVERAGES			443	0	0	0	0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 6 BANDCO R

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	88206	2068	0	0	0	0
2	0	280700	2068	0	0	0	0
3	0	129781	2068	0	0	0	0
4	0	52471	2068	0	0	0	0
5	0	135945	2068	0	0	0	0
6	0	132321	2068	0	0	0	0
7	0	93033	2068	0	0	0	0
8	0	100863	2068	0	0	0	0
9	0	28201	2068	0	0	0	0
10	0	99238	2068	0	0	0	0
11	0	36968	2068	0	0	0	0
12	0	33095	2068	0	0	0	0
13	0	38081	2068	144	0	0	0
14	0	45448	2068	61	0	0	0
15	0	15085	2068	179	0	0	0
16	0	17246	2068	0	0	0	0
17	0	5140	2068	378	0	0	0
18	0	196689	2068	56	0	0	0
19	0	373403	2068	0	0	0	0
20	0	122193	2068	0	0	0	0
21	0	149458	2068	0	0	0	0
22	0	151894	2068	0	0	0	0
23	0	31876	2068	20	0	0	0
24	0	14396	2068	0	0	0	0
25	0	104311	2068	0	0	0	0
26	0	101197	2068	0	0	0	0
27	0	92017	2068	0	0	0	0
28	0	60202	2068	0	0	0	0
29	0	200136	2068	0	0	0	0
30	0	111118	2068	0	0	0	0
31	0	111168	2068	0	0	0	0
32	0	293824	2068	0	0	0	0
33	0	151925	2068	0	0	0	0
34	0	376657	2068	0	0	0	0
35	0	149540	2068	0	0	0	0
36	0	254094	2068	0	0	0	0
37	0	176836	2068	0	0	0	0
38	0	196868	2068	0	0	0	0
39	0	269262	2068	0	0	0	0
40	0	246755	2068	0	0	0	0
41	0	100276	2068	0	0	0	0
42	0	370983	2068	0	0	0	0
43	0	88939	2068	0	0	0	0
44	0	58203	2068	0	0	0	0
45	0	44188	2068	0	0	0	0
46	0	164261	2068	0	0	0	0
47	0	254878	2068	0	0	0	0
48	0	489532	2068	0	0	0	0
49	0	89087	2068	0	0	0	0
50	0	39287	2068	0	0	0	0
PERIOD TOTALS		6967275	103400	838	0	0	
PERIOD AVERAGES		139345	2068	16	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 7 DIV LEAK

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1		0	0	12588	0	0	0	0
2		0	0	12588	0	0	0	0
3		0	0	12588	0	0	0	0
4		0	0	12588	0	0	0	0
5		0	0	12588	0	0	0	0
6		0	0	12588	0	0	0	0
7		0	0	12588	0	0	0	0
8		0	0	12588	0	0	0	0
9		0	0	12588	0	0	0	0
10		0	0	12086	0	0	0	0
11		0	0	4196	0	0	0	0
12		0	0	1049	0	0	0	0
13		0	0	1049	0	0	0	0
14		0	0	3147	0	0	0	0
15		0	0	1548	0	0	0	0
16		0	0	0	0	0	0	0
17		0	0	0	0	0	0	0
18		0	0	9441	0	0	0	0
19		0	0	12588	0	0	0	0
20		0	0	12588	0	0	0	0
21		0	0	12588	0	0	0	0
22		0	0	12588	0	0	0	0
23		0	0	12588	0	0	0	0
24		0	0	12588	0	0	0	0
25		0	0	3194	0	0	0	0
26		0	0	12588	0	0	0	0
27		0	0	12588	0	0	0	0
28		0	0	8732	0	0	0	0
29		0	0	12588	0	0	0	0
30		0	0	12588	0	0	0	0
31		0	0	12588	0	0	0	0
32		0	0	12588	0	0	0	0
33		0	0	12588	0	0	0	0
34		0	0	12588	0	0	0	0
35		0	0	12588	0	0	0	0
36		0	0	12588	0	0	0	0
37		0	0	12588	0	0	0	0
38		0	0	12588	0	0	0	0
39		0	0	12588	0	0	0	0
40		0	0	12588	0	0	0	0
41		0	0	12588	0	0	0	0
42		0	0	12588	0	0	0	0
43		0	0	12588	0	0	0	0
44		0	0	12588	0	0	0	0
45		0	0	12588	0	0	0	0
46		0	0	12588	0	0	0	0
47		0	0	12588	0	0	0	0
48		0	0	12588	0	0	0	0
49		0	0	12588	0	0	0	0
50		0	0	12588	0	0	0	0
PERIOD TOTALS			0	535374	0	0	0	
PERIOD AVERAGES			0	10707	0	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 8 BMWA1995

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1		0	0	5998	0	0	0	0
2		0	0	5998	0	0	0	0
3		0	0	5998	0	0	0	0
4		0	0	5998	0	0	0	0
5		0	0	5998	0	0	0	0
6		0	0	5998	0	0	0	0
7		0	0	5998	0	0	0	0
8		0	0	5998	0	0	0	0
9		0	0	5998	0	0	0	0
10		0	0	5998	0	0	0	0
11		0	0	5998	294	0	0	0
12		0	0	5998	1621	0	0	0
13		0	0	5998	1091	0	0	0
14		0	0	5998	1374	0	0	0
15		0	0	5998	3193	0	0	0
16		0	0	5998	2577	0	0	0
17		0	0	5998	4629	0	0	0
18		0	0	5998	787	0	0	0
19		0	0	5998	0	0	0	0
20		0	0	5998	0	0	0	0
21		0	0	5998	0	0	0	0
22		0	0	5998	0	0	0	0
23		0	0	5998	0	0	0	0
24		0	0	5998	0	0	0	0
25		0	0	5998	764	0	0	0
26		0	0	5998	0	0	0	0
27		0	0	5998	0	0	0	0
28		0	0	5998	1348	0	0	0
29		0	0	5998	0	0	0	0
30		0	0	5998	0	0	0	0
31		0	0	5998	0	0	0	0
32		0	0	5998	0	0	0	0
33		0	0	5998	0	0	0	0
34		0	0	5998	0	0	0	0
35		0	0	5998	0	0	0	0
36		0	0	5998	0	0	0	0
37		0	0	5998	0	0	0	0
38		0	0	5998	0	0	0	0
39		0	0	5998	0	0	0	0
40		0	0	5998	0	0	0	0
41		0	0	5998	0	0	0	0
42		0	0	5998	0	0	0	0
43		0	0	5998	0	0	0	0
44		0	0	5998	0	0	0	0
45		0	0	5998	0	0	0	0
46		0	0	5998	0	0	0	0
47		0	0	5998	0	0	0	0
48		0	0	5998	0	0	0	0
49		0	0	5998	0	0	0	0
50		0	0	5998	0	0	0	0
PERIOD TOTALS			0	299900	17678	0	0	
PERIOD AVERAGES			0	5998	353	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 9 BMWA1991

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1		0	0	5572	0	0	0	0
2		0	0	5572	0	0	0	0
3		0	0	5572	0	0	0	0
4		0	0	5572	0	0	0	0
5		0	0	5572	0	0	0	0
6		0	0	5572	0	0	0	0
7		0	0	5572	941	0	0	0
8		0	0	5572	773	0	0	0
9		0	0	5572	5572	0	0	0
10		0	0	5572	5572	0	0	0
11		0	0	5572	5572	0	0	0
12		0	0	5572	5572	0	0	0
13		0	0	5572	5572	0	0	0
14		0	0	5572	5572	0	0	0
15		0	0	5572	5572	0	0	0
16		0	0	5572	5572	0	0	0
17		0	0	5572	5572	0	0	0
18		0	0	5572	5572	0	0	0
19		0	0	5572	0	0	0	0
20		0	0	5572	0	0	0	0
21		0	0	5572	0	0	0	0
22		0	0	5572	0	0	0	0
23		0	0	5572	0	0	0	0
24		0	0	5572	5572	0	0	0
25		0	0	5572	5572	0	0	0
26		0	0	5572	5572	0	0	0
27		0	0	5572	5572	0	0	0
28		0	0	5572	5572	0	0	0
29		0	0	5572	2086	0	0	0
30		0	0	5572	5572	0	0	0
31		0	0	5572	387	0	0	0
32		0	0	5572	3858	0	0	0
33		0	0	5572	0	0	0	0
34		0	0	5572	0	0	0	0
35		0	0	5572	0	0	0	0
36		0	0	5572	0	0	0	0
37		0	0	5572	0	0	0	0
38		0	0	5572	0	0	0	0
39		0	0	5572	0	0	0	0
40		0	0	5572	0	0	0	0
41		0	0	5572	0	0	0	0
42		0	0	5572	0	0	0	0
43		0	0	5572	0	0	0	0
44		0	0	5572	0	0	0	0
45		0	0	5572	4425	0	0	0
46		0	0	5572	5572	0	0	0
47		0	0	5572	2605	0	0	0
48		0	0	5572	0	0	0	0
49		0	0	5572	0	0	0	0
50		0	0	5572	1213	0	0	0
PERIOD TOTALS			0	278600	111012	0	0	
PERIOD AVERAGES			0	5572	2220	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 10 BMA IRRI

YEAR	START	STRG	UNREG	FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM	LOSS	ENDING	STRG
1		0		0	40332	0	0		0		0
2		0		0	29058	0	0		0		0
3		0		0	32545	0	0		0		0
4		0		0	46426	0	0		0		0
5		0		0	32402	0	0		0		0
6		0		0	32485	0	0		0		0
7		0		0	38707	0	0		0		0
8		0		0	36074	0	0		0		0
9		0		0	51998	0	0		0		0
10		0		0	36619	0	0		0		0
11		0		0	51998	28161	0		0		0
12		0		0	51998	32995	0		0		0
13		0		0	51998	28655	0		0		0
14		0		0	51998	33538	0		0		0
15		0		0	51998	41598	0		0		0
16		0		0	51998	42714	0		0		0
17		0		0	51998	51685	0		0		0
18		0		0	30999	2325	0		0		0
19		0		0	26922	0	0		0		0
20		0		0	32720	0	0		0		0
21		0		0	32087	0	0		0		0
22		0		0	32033	0	0		0		0
23		0		0	46426	0	0		0		0
24		0		0	51998	0	0		0		0
25		0		0	34914	15477	0		0		0
26		0		0	35961	0	0		0		0
27		0		0	39050	0	0		0		0
28		0		0	49751	15832	0		0		0
29		0		0	30920	0	0		0		0
30		0		0	32975	0	0		0		0
31		0		0	32973	0	0		0		0
32		0		0	28757	0	0		0		0
33		0		0	32031	0	0		0		0
34		0		0	26846	0	0		0		0
35		0		0	32086	0	0		0		0
36		0		0	29675	0	0		0		0
37		0		0	31458	0	0		0		0
38		0		0	30996	0	0		0		0
39		0		0	29326	0	0		0		0
40		0		0	29844	0	0		0		0
41		0		0	36272	0	0		0		0
42		0		0	26976	0	0		0		0
43		0		0	40082	0	0		0		0
44		0		0	46426	0	0		0		0
45		0		0	46426	0	0		0		0
46		0		0	31750	0	0		0		0
47		0		0	29657	0	0		0		0
48		0		0	24242	0	0		0		0
49		0		0	40034	0	0		0		0
50		0		0	46426	0	0		0		0
PERIOD TOTALS				0	1889671	292980	0		0		
PERIOD AVERAGES				0	37793	5859	0		0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 11 MEDINACO

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	3401	0	0	0	0
2	0	0	3401	0	0	0	0
3	0	0	3401	0	0	0	0
4	0	0	3401	0	0	0	0
5	0	0	3401	0	0	0	0
6	0	0	3401	0	0	0	0
7	0	0	3401	0	0	0	0
8	0	0	3401	0	0	0	0
9	0	0	3401	0	0	0	0
10	0	0	3401	0	0	0	0
11	0	0	3401	0	0	0	0
12	0	0	3401	0	0	0	0
13	0	0	3401	0	0	0	0
14	0	0	3401	0	0	0	0
15	0	0	3401	0	0	0	0
16	0	0	3401	0	0	0	0
17	0	0	3401	0	0	0	0
18	0	0	3401	0	0	0	0
19	0	0	3401	0	0	0	0
20	0	0	3401	0	0	0	0
21	0	0	3401	0	0	0	0
22	0	0	3401	0	0	0	0
23	0	0	3401	0	0	0	0
24	0	0	3401	0	0	0	0
25	0	0	3401	0	0	0	0
26	0	0	3401	0	0	0	0
27	0	0	3401	0	0	0	0
28	0	0	3401	0	0	0	0
29	0	0	3401	0	0	0	0
30	0	0	3401	0	0	0	0
31	0	0	3401	0	0	0	0
32	0	0	3401	0	0	0	0
33	0	0	3401	0	0	0	0
34	0	0	3401	0	0	0	0
35	0	0	3401	0	0	0	0
36	0	0	3401	0	0	0	0
37	0	0	3401	0	0	0	0
38	0	0	3401	0	0	0	0
39	0	0	3401	0	0	0	0
40	0	0	3401	0	0	0	0
41	0	0	3401	0	0	0	0
42	0	0	3401	0	0	0	0
43	0	0	3401	0	0	0	0
44	0	0	3401	0	0	0	0
45	0	0	3401	0	0	0	0
46	0	0	3401	0	0	0	0
47	0	0	3401	0	0	0	0
48	0	0	3401	0	0	0	0
49	0	0	3401	0	0	0	0
50	0	0	3401	0	0	0	0
PERIOD TOTALS		0	170050	0	0	0	
PERIOD AVERAGES		0	3401	0	0	0	








BMA/MEDINA CO REGIONAL WATER STUDY - BMABWOC - W/O CONSV - W/O PEARSON L & ASR

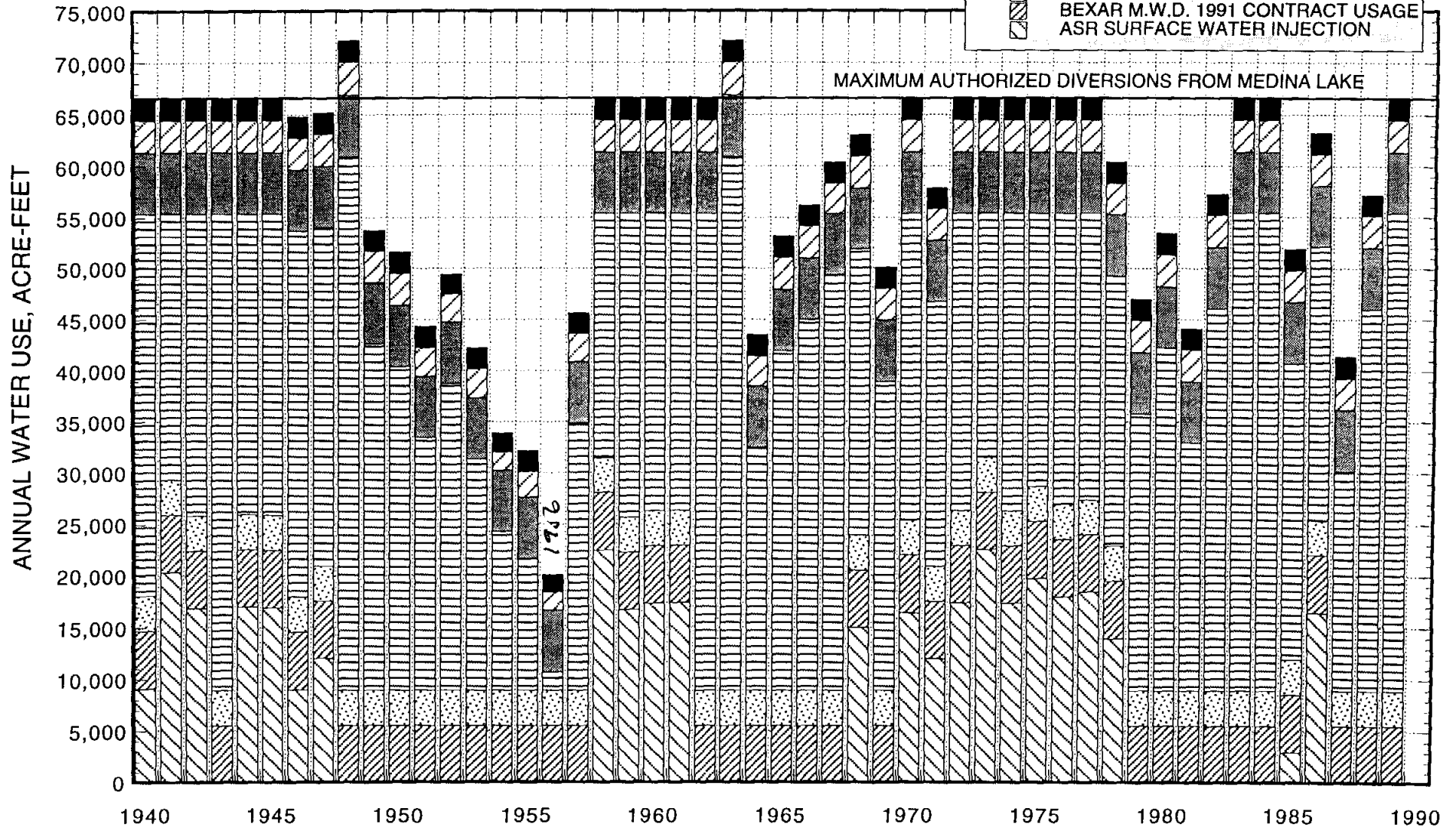
SIMULATION PERIOD TOTAL SUMMARY BY NODE 12 BANDCO L

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	3102	0	0	0	0
2	0	0	3102	0	0	0	0
3	0	0	3102	0	0	0	0
4	0	0	3102	0	0	0	0
5	0	0	3102	0	0	0	0
6	0	0	3102	0	0	0	0
7	0	0	3102	0	0	0	0
8	0	0	3102	0	0	0	0
9	0	0	3102	0	0	0	0
10	0	0	3102	0	0	0	0
11	0	0	3102	0	0	0	0
12	0	0	3102	323	0	0	0
13	0	0	3102	378	0	0	0
14	0	0	3102	279	0	0	0
15	0	0	3102	1344	0	0	0
16	0	0	3102	629	0	0	0
17	0	0	3102	1334	0	0	0
18	0	0	3102	371	0	0	0
19	0	0	3102	0	0	0	0
20	0	0	3102	0	0	0	0
21	0	0	3102	0	0	0	0
22	0	0	3102	0	0	0	0
23	0	0	3102	0	0	0	0
24	0	0	3102	0	0	0	0
25	0	0	3102	189	0	0	0
26	0	0	3102	0	0	0	0
27	0	0	3102	0	0	0	0
28	0	0	3102	392	0	0	0
29	0	0	3102	0	0	0	0
30	0	0	3102	0	0	0	0
31	0	0	3102	0	0	0	0
32	0	0	3102	0	0	0	0
33	0	0	3102	0	0	0	0
34	0	0	3102	0	0	0	0
35	0	0	3102	0	0	0	0
36	0	0	3102	0	0	0	0
37	0	0	3102	0	0	0	0
38	0	0	3102	0	0	0	0
39	0	0	3102	0	0	0	0
40	0	0	3102	0	0	0	0
41	0	0	3102	0	0	0	0
42	0	0	3102	0	0	0	0
43	0	0	3102	0	0	0	0
44	0	0	3102	0	0	0	0
45	0	0	3102	0	0	0	0
46	0	0	3102	0	0	0	0
47	0	0	3102	0	0	0	0
48	0	0	3102	0	0	0	0
49	0	0	3102	0	0	0	0
50	0	0	3102	0	0	0	0
PERIOD TOTALS		0	155100	5239	0	0	
PERIOD AVERAGES		0	3102	104	0	0	

***SECTION 2
WITH PEARSON LAKE AND ASR
WITHOUT IRRIGATION CONSERVATION***

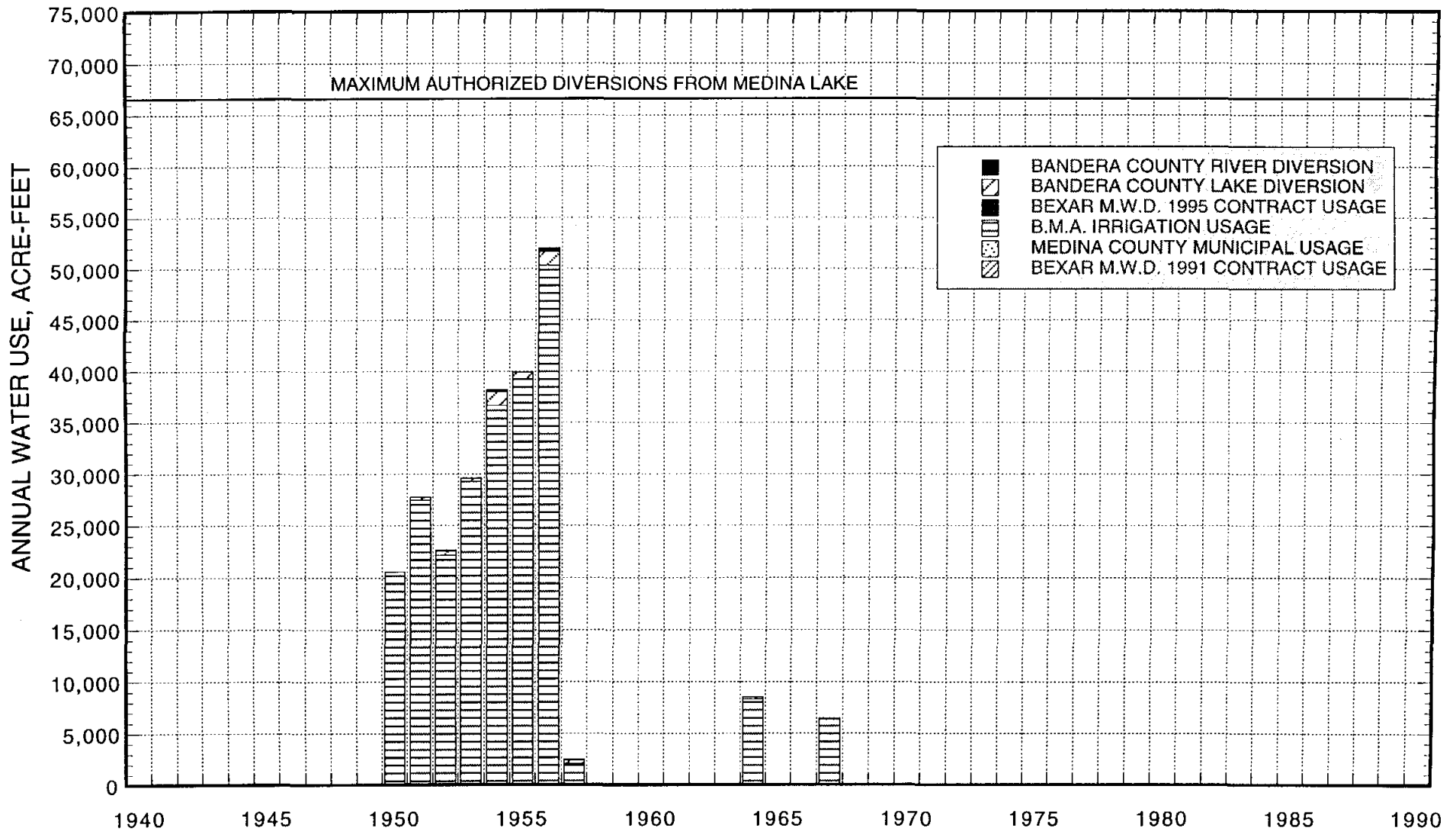
ANNUAL WATER USE FROM MEDINA LAKE With Pearson Lake and Aquifer Storage-Recovery Without Irrigation Conservation

-  BANDERA COUNTY RIVER DIVERSION
-  BANDERA COUNTY LAKE DIVERSION
-  BEXAR M.W.D. 1995 CONTRACT USAGE
-  B.M.A. IRRIGATION USAGE
-  MEDINA COUNTY MUNICIPAL USAGE
-  BEXAR M.W.D. 1991 CONTRACT USAGE
-  ASR SURFACE WATER INJECTION



ANNUAL WATER SHORTAGES FROM MEDINA LAKE

With Pearson Lake and Aquifer Storage-Recovery Without Irrigation Conservation



BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

NUMBER OF MONTHS WITH SHORTAGES WITHIN SPECIFIC PERCENTAGE RANGES OF THE FULL MONTHLY DEMAND AMOUNTS

NODE	NAME	FULL DEMAND A-F/YR	SHORTAGE RANGE EXPRESSED AS A PERCENTAGE RANGE OF THE FULL MONTHLY DEMAND AMOUNTS											
			.0%	.1%	10.1%	20.1%	30.1%	40.1%	50.1%	60.1%	70.1%	80.1%	90.1%	0.1%
			thru	thru	thru	thru	thru	thru	thru	thru	thru	thru	thru	thru
6	BANDCO R	2068	588.	0.	2.	3.	4.	0.	0.	2.	0.	1.	0.	12.
8	BMWA1995	6000	600.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	BMWA1991	5574	600.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	BMA IRRI	32000	532.	2.	1.	1.	6.	3.	2.	6.	3.	9.	35.	68.
11	MEDINACO	3400	600.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	BANDCO L	3102	574.	0.	3.	1.	2.	1.	1.	2.	2.	1.	13.	26.

DEMAND FAILURE PROBABILITIES FOR SHORTAGES WITHIN SPECIFIC PERCENTAGE RANGES OF THE FULL MONTHLY DEMAND AMOUNTS

NODE	NAME	FULL DEMAND A-F/YR	SHORTAGE RANGE EXPRESSED AS A PERCENTAGE RANGE OF THE FULL MONTHLY DEMAND AMOUNTS											
			.0%	.1%	10.1%	20.1%	30.1%	40.1%	50.1%	60.1%	70.1%	80.1%	90.1%	0.1%
			thru	thru	thru	thru	thru	thru	thru	thru	thru	thru	thru	thru
6	BANDCO R	2068	98.0	.0	.3	.5	.7	.0	.0	.3	.0	.2	.0	2.0
8	BMWA1995	6000	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	BMWA1991	5574	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	BMA IRRI	32000	88.7	.3	.2	.2	1.0	.5	.3	1.0	.5	1.5	5.8	11.3
11	MEDINACO	3400	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	BANDCO L	3102	95.7	.0	.5	.2	.3	.2	.2	.3	.3	.2	2.2	4.3

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 1 MEDINA L

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	254000	0	57769	0	14552	0	196476
2	196476	0	56014	0	9547	0	241443
3	241443	0	56053	0	12462	0	227004
4	227004	0	64499	0	17202	0	132727
5	132727	0	55981	0	10624	0	132502
6	132502	0	56024	0	13727	0	124610
7	124610	0	56460	0	6726	0	97671
8	97671	0	51147	0	12575	0	70582
9	70582	0	70071	0	4121	0	0
10	0	0	51692	0	2359	0	11486
11	11486	0	70071	20568	375	0	0
12	0	0	70071	27821	31	0	0
13	0	0	70071	22552	74	0	0
14	0	0	69785	29582	206	0	3159
15	3159	0	70071	38015	24	0	0
16	0	0	70071	39922	0	0	0
17	0	0	70071	51650	0	0	0
18	0	0	46074	2471	4704	0	113912
19	113912	0	56624	0	9311	0	254000
20	254000	0	56143	0	13701	0	230229
21	230229	0	55827	0	12318	0	236562
22	236562	0	55799	0	13597	0	211537
23	211537	0	64499	0	15525	0	100960
24	100960	0	70071	0	5987	0	0
25	0	0	49987	8528	1155	0	51762
26	51762	0	51034	0	6073	0	51805
27	51805	0	54123	0	4480	0	43720
28	43720	0	64824	6471	1845	0	18969
29	18969	0	45993	0	7389	0	98524
30	98524	0	48046	0	5850	0	108774
31	108774	0	49417	0	8338	0	91495
32	91495	0	43831	0	9370	0	254000
33	254000	0	55798	0	18233	0	236538
34	236538	0	56667	0	13383	0	254000
35	254000	0	55826	0	16747	0	254000
36	254000	0	56263	0	18119	0	230848
37	230848	0	55512	0	13472	0	254000
38	254000	0	55709	0	20751	0	221467
39	221467	0	64498	11725	15033	0	254000
40	254000	0	64488	19572	15879	0	225214
41	225214	0	64495	13152	16667	0	192046
42	192046	0	64490	22440	14432	0	254000
43	254000	0	64494	9336	19493	0	200212
44	200212	0	64499	0	12596	0	118186
45	118186	0	64499	0	10799	0	39081
46	39081	0	46821	0	9365	0	95831
47	95831	0	44729	0	10113	0	224210
48	224210	0	64492	25176	17353	0	244358
49	244358	0	64492	9384	22036	0	189026
50	189026	0	64499	0	16115	0	87425
PERIOD TOTALS		0	2950484	358365	504834	0	
PERIOD AVERAGES		0	59009	7167	10096	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 2 DIVRSN L

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		3973	0	54667	0	589	0		3973
2		3973	0	52912	0	347	94215		3973
3		3973	0	52951	0	477	0		3973
4		3973	0	61397	0	766	0		3973
5		3973	0	52879	0	574	0		3973
6		3973	0	52922	0	726	0		3973
7		3973	0	53358	0	482	0		3973
8		3973	0	48045	0	879	0		3973
9		3973	0	66969	0	699	0	0	
10		0	0	48590	0	481	0	3973	
11		3973	0	66969	20568	225	0	0	
12		0	0	66969	27498	91	0	0	
13		0	0	66969	22174	88	0	0	
14		0	0	66683	29303	118	0	3973	
15		3973	0	66969	36671	95	0	0	
16		0	0	66969	39293	0	0	0	
17		0	0	66969	50316	0	0	0	
18		0	0	42972	2100	390	0	3973	
19		3973	0	53522	0	334	93703	3973	
20		3973	0	53041	0	520	0	3973	
21		3973	0	52725	0	514	0	3973	
22		3973	0	52697	0	509	31022	3973	
23		3973	0	61397	0	800	0	3973	
24		3973	0	66969	0	767	0	2277	
25		2277	0	46885	8339	219	0	3973	
26		3973	0	47932	0	557	0	3973	
27		3973	0	51021	0	588	0	3973	
28		3973	0	61722	6361	475	0	3973	
29		3973	0	42891	0	433	0	3973	
30		3973	0	44944	0	481	0	3973	
31		3973	0	46315	0	526	0	3973	
32		3973	0	40729	0	686	13425	3973	
33		3973	0	52696	0	668	18218	3973	
34		3973	0	53565	0	495	213511	3973	
35		3973	0	52724	0	630	283	3973	
36		3973	0	53161	0	658	125990	3973	
37		3973	0	52410	0	528	8788	3973	
38		3973	0	52607	0	769	75651	3973	
39		3973	0	61396	11725	636	96934	3973	
40		3973	0	61386	19572	581	146293	3973	
41		3973	0	61393	13152	742	0	3973	
42		3973	0	61388	22440	528	185072	3973	
43		3973	0	61392	9336	734	0	3973	
44		3973	0	61397	0	640	0	3973	
45		3973	0	61397	0	932	0	3973	
46		3973	0	43719	0	664	0	3973	
47		3973	0	41627	0	649	0	3973	
48		3973	0	61390	25176	627	344150	3973	
49		3973	0	61390	9384	882	0	3973	
50		3973	0	61397	0	896	0	3973	
PERIOD TOTALS			0	2795384	353408	26695	1447255		
PERIOD AVERAGES			0	55907	7068	533	28945		

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 3 PEARSN L

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		3000	0	43097	0	295	0		3000
2		3000	0	41342	0	175	0		3000
3		3000	0	41381	0	239	0		3000
4		3000	0	49827	0	383	0		3000
5		3000	0	41309	0	289	0		3000
6		3000	0	41352	0	364	0		3000
7		3000	0	41788	0	242	0		3000
8		3000	0	36475	0	440	0		3000
9		3000	0	55399	0	414	0		1113
10		1113	0	37020	0	234	0		3000
11		3000	0	55399	20568	184	0		0
12		0	0	55399	27498	108	0		0
13		0	0	55399	22174	144	0		710
14		710	0	55113	29303	132	0		3000
15		3000	0	55399	36671	165	0		0
16		0	0	55399	39293	0	0		0
17		0	0	55399	50316	0	0		0
18		0	0	31402	2100	197	0		3000
19		3000	0	41952	0	169	0		3000
20		3000	0	41471	0	261	0		3000
21		3000	0	41155	0	258	0		3000
22		3000	0	41127	0	255	0		3000
23		3000	0	49827	0	400	0		3000
24		3000	0	55399	0	385	0		3000
25		3000	0	35315	8339	177	0		3000
26		3000	0	36362	0	280	0		3000
27		3000	0	39451	0	294	0		3000
28		3000	0	50152	6361	280	0		3000
29		3000	0	31321	0	217	0		3000
30		3000	0	33374	0	241	0		3000
31		3000	0	34745	0	263	0		3000
32		3000	0	29159	0	343	0		3000
33		3000	0	41126	0	334	0		3000
34		3000	0	41995	0	248	0		3000
35		3000	0	41154	0	315	0		3000
36		3000	0	41591	0	329	0		3000
37		3000	0	40840	0	264	0		3000
38		3000	0	41037	0	385	0		3000
39		3000	0	49826	11725	318	0		3000
40		3000	0	49816	19572	291	0		3000
41		3000	0	49823	13152	371	0		3000
42		3000	0	49818	22440	264	0		3000
43		3000	0	49822	9336	367	0		3000
44		3000	0	49827	0	320	0		3000
45		3000	0	49827	0	466	0		3000
46		3000	0	32149	0	332	0		3000
47		3000	0	30057	0	325	0		3000
48		3000	0	49820	25176	314	0		3000
49		3000	0	49820	9384	441	0		3000
50		3000	0	49827	0	448	0		3000
PERIOD TOTALS			0	2216884	353408	13960	0		
PERIOD AVERAGES			0	44337	7068	279	0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 4 ASR PROJ

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	50000	9095	0	0	0	0	59095
2	59095	20365	0	0	0	0	79460
3	79460	16882	0	0	0	0	96342
4	96342	0	0	0	0	0	96342
5	96342	17025	0	0	0	0	113367
6	113367	16941	0	0	0	0	130308
7	130308	9000	7126	0	0	0	132182
8	132182	12000	6007	0	0	0	138175
9	138175	0	10279	0	0	0	127896
10	127896	0	9760	0	0	0	118136
11	118136	0	13240	0	0	0	104896
12	104896	0	14971	0	0	0	89925
13	89925	0	14971	0	0	0	74954
14	74954	0	14139	0	0	0	60815
15	60815	0	14559	0	0	0	46256
16	46256	0	14971	0	0	0	31285
17	31285	0	14971	0	0	0	16314
18	16314	0	10704	0	0	0	5610
19	5610	22505	0	0	0	0	28115
20	28115	16707	0	0	0	0	44822
21	44822	17337	0	0	0	0	62159
22	62159	17393	0	0	0	0	79552
23	79552	0	623	0	0	0	78929
24	78929	0	9389	0	0	0	69540
25	69540	0	13665	0	0	0	55875
26	55875	0	8973	0	0	0	46902
27	46902	0	8973	0	0	0	37929
28	37929	0	10669	0	0	0	27260
29	27260	15000	4604	0	0	0	37656
30	37656	0	8973	0	0	0	28683
31	28683	16453	3321	0	0	0	41815
32	41815	12000	6212	0	0	0	47603
33	47603	17394	0	0	0	0	64997
34	64997	22580	0	0	0	0	87577
35	87577	17338	0	0	0	0	104915
36	104915	19751	0	0	0	0	124666
37	124666	17968	0	0	0	0	142634
38	142634	18431	0	0	0	0	161065
39	161065	13935	0	11725	0	0	175000
40	175000	0	0	19572	0	0	175000
41	175000	0	0	13152	0	0	175000
42	175000	0	0	22440	0	0	175000
43	175000	0	0	9336	0	0	175000
44	175000	0	0	0	0	0	175000
45	175000	0	7126	0	0	0	167874
46	167874	3000	8137	0	0	0	162737
47	162737	16458	4195	0	0	0	175000
48	175000	0	0	25176	0	0	175000
49	175000	0	0	9384	0	0	175000
50	175000	0	1954	0	0	0	173046
PERIOD TOTALS		365558	242512	110785	0	0	
PERIOD AVERAGES		7311	4850	2215	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 5 GROUNDWT

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		4000	0	0	0	0	0	4000	4000
2		4000	0	0	0	0	0	4000	4000
3		4000	0	0	0	0	0	4000	4000
4		4000	0	0	0	0	0	4000	4000
5		4000	0	0	0	0	0	4000	4000
6		4000	0	0	0	0	0	4000	4000
7		4000	0	0	0	0	0	4000	4000
8		4000	0	0	0	0	0	4000	4000
9		4000	0	0	0	0	0	4000	4000
10		4000	0	0	0	0	0	4000	4000
11		4000	0	0	0	0	0	4000	4000
12		4000	0	0	0	0	0	4000	4000
13		4000	0	0	0	0	0	4000	4000
14		4000	0	0	0	0	0	4000	4000
15		4000	0	0	0	0	0	4000	4000
16		4000	0	0	0	0	0	4000	4000
17		4000	0	0	0	0	0	4000	4000
18		4000	0	0	0	0	0	4000	4000
19		4000	0	0	0	0	0	4000	4000
20		4000	0	0	0	0	0	4000	4000
21		4000	0	0	0	0	0	4000	4000
22		4000	0	0	0	0	0	4000	4000
23		4000	0	0	0	0	0	4000	4000
24		4000	0	0	0	0	0	4000	4000
25		4000	0	0	0	0	0	4000	4000
26		4000	0	0	0	0	0	4000	4000
27		4000	0	0	0	0	0	4000	4000
28		4000	0	0	0	0	0	4000	4000
29		4000	0	0	0	0	0	4000	4000
30		4000	0	0	0	0	0	4000	4000
31		4000	0	0	0	0	0	4000	4000
32		4000	0	0	0	0	0	4000	4000
33		4000	0	0	0	0	0	4000	4000
34		4000	0	0	0	0	0	4000	4000
35		4000	0	0	0	0	0	4000	4000
36		4000	0	0	0	0	0	4000	4000
37		4000	0	0	0	0	0	4000	4000
38		4000	0	0	0	0	0	4000	4000
39		4000	0	0	0	0	0	4000	4000
40		4000	0	0	0	0	0	4000	4000
41		4000	0	0	0	0	0	4000	4000
42		4000	0	0	0	0	0	4000	4000
43		4000	0	0	0	0	0	4000	4000
44		4000	0	0	0	0	0	4000	4000
45		4000	0	0	0	0	0	4000	4000
46		4000	0	0	0	0	0	4000	4000
47		4000	0	0	0	0	0	4000	4000
48		4000	0	0	0	0	0	4000	4000
49		4000	0	0	0	0	0	4000	4000
50		4000	0	0	0	0	0	4000	4000
PERIOD TOTALS			0	0	0	0	0		
PERIOD AVERAGES			0	0	0	0	0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 6 BANDCO R

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		0	88206	2068	0	0	0		0
2		0	280700	2068	0	0	0		0
3		0	129781	2068	0	0	0		0
4		0	52471	2068	0	0	0		0
5		0	135945	2068	0	0	0		0
6		0	132321	2068	0	0	0		0
7		0	93033	2068	0	0	0		0
8		0	100863	2068	0	0	0		0
9		0	28201	2068	0	0	0		0
10		0	99238	2068	0	0	0		0
11		0	36968	2068	0	0	0		0
12		0	33095	2068	0	0	0		0
13		0	38081	2068	144	0	0		0
14		0	45448	2068	61	0	0		0
15		0	15085	2068	179	0	0		0
16		0	17246	2068	0	0	0		0
17		0	5140	2068	378	0	0		0
18		0	196689	2068	56	0	0		0
19		0	373403	2068	0	0	0		0
20		0	122193	2068	0	0	0		0
21		0	149458	2068	0	0	0		0
22		0	151894	2068	0	0	0		0
23		0	31876	2068	20	0	0		0
24		0	14396	2068	0	0	0		0
25		0	104311	2068	0	0	0		0
26		0	101197	2068	0	0	0		0
27		0	92017	2068	0	0	0		0
28		0	60202	2068	0	0	0		0
29		0	200136	2068	0	0	0		0
30		0	111118	2068	0	0	0		0
31		0	111168	2068	0	0	0		0
32		0	293824	2068	0	0	0		0
33		0	151925	2068	0	0	0		0
34		0	376657	2068	0	0	0		0
35		0	149540	2068	0	0	0		0
36		0	254094	2068	0	0	0		0
37		0	176836	2068	0	0	0		0
38		0	196868	2068	0	0	0		0
39		0	269262	2068	0	0	0		0
40		0	246755	2068	0	0	0		0
41		0	100276	2068	0	0	0		0
42		0	370983	2068	0	0	0		0
43		0	88939	2068	0	0	0		0
44		0	58203	2068	0	0	0		0
45		0	44188	2068	0	0	0		0
46		0	164261	2068	0	0	0		0
47		0	254878	2068	0	0	0		0
48		0	489532	2068	0	0	0		0
49		0	89087	2068	0	0	0		0
50		0	39287	2068	0	0	0		0
PERIOD TOTALS			6967275	103400	838	0	0		
PERIOD AVERAGES			139345	2068	16	0	0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 7 DIV LEAK

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		0	0	12588	0	0	0	0	0
2		0	0	12588	0	0	0	0	0
3		0	0	12588	0	0	0	0	0
4		0	0	12588	0	0	0	0	0
5		0	0	12588	0	0	0	0	0
6		0	0	12588	0	0	0	0	0
7		0	0	12588	0	0	0	0	0
8		0	0	12588	0	0	0	0	0
9		0	0	10490	0	0	0	0	0
10		0	0	10490	0	0	0	0	0
11		0	0	5245	0	0	0	0	0
12		0	0	1049	0	0	0	0	0
13		0	0	1049	0	0	0	0	0
14		0	0	2152	0	0	0	0	0
15		0	0	1834	0	0	0	0	0
16		0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0
18		0	0	8392	0	0	0	0	0
19		0	0	12588	0	0	0	0	0
20		0	0	12588	0	0	0	0	0
21		0	0	12588	0	0	0	0	0
22		0	0	12588	0	0	0	0	0
23		0	0	12588	0	0	0	0	0
24		0	0	12588	0	0	0	0	0
25		0	0	4313	0	0	0	0	0
26		0	0	12588	0	0	0	0	0
27		0	0	12588	0	0	0	0	0
28		0	0	9441	0	0	0	0	0
29		0	0	12588	0	0	0	0	0
30		0	0	12588	0	0	0	0	0
31		0	0	12588	0	0	0	0	0
32		0	0	12588	0	0	0	0	0
33		0	0	12588	0	0	0	0	0
34		0	0	12588	0	0	0	0	0
35		0	0	12588	0	0	0	0	0
36		0	0	12588	0	0	0	0	0
37		0	0	12588	0	0	0	0	0
38		0	0	12588	0	0	0	0	0
39		0	0	12588	0	0	0	0	0
40		0	0	12588	0	0	0	0	0
41		0	0	12588	0	0	0	0	0
42		0	0	12588	0	0	0	0	0
43		0	0	12588	0	0	0	0	0
44		0	0	12588	0	0	0	0	0
45		0	0	12588	0	0	0	0	0
46		0	0	12588	0	0	0	0	0
47		0	0	12588	0	0	0	0	0
48		0	0	12588	0	0	0	0	0
49		0	0	12588	0	0	0	0	0
50		0	0	12588	0	0	0	0	0
PERIOD TOTALS			0	532799	0	0	0		
PERIOD AVERAGES			0	10655	0	0	0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 8 BMWA1995

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	5998	0	0	0	0
2	0	0	5998	0	0	0	0
3	0	0	5998	0	0	0	0
4	0	0	5998	0	0	0	0
5	0	0	5998	0	0	0	0
6	0	0	5998	0	0	0	0
7	0	0	5998	0	0	0	0
8	0	0	5998	0	0	0	0
9	0	0	5998	0	0	0	0
10	0	0	5998	0	0	0	0
11	0	0	5998	0	0	0	0
12	0	0	5998	0	0	0	0
13	0	0	5998	0	0	0	0
14	0	0	5998	0	0	0	0
15	0	0	5998	0	0	0	0
16	0	0	5998	0	0	0	0
17	0	0	5998	0	0	0	0
18	0	0	5998	0	0	0	0
19	0	0	5998	0	0	0	0
20	0	0	5998	0	0	0	0
21	0	0	5998	0	0	0	0
22	0	0	5998	0	0	0	0
23	0	0	5998	0	0	0	0
24	0	0	5998	0	0	0	0
25	0	0	5998	0	0	0	0
26	0	0	5998	0	0	0	0
27	0	0	5998	0	0	0	0
28	0	0	5998	0	0	0	0
29	0	0	5998	0	0	0	0
30	0	0	5998	0	0	0	0
31	0	0	5998	0	0	0	0
32	0	0	5998	0	0	0	0
33	0	0	5998	0	0	0	0
34	0	0	5998	0	0	0	0
35	0	0	5998	0	0	0	0
36	0	0	5998	0	0	0	0
37	0	0	5998	0	0	0	0
38	0	0	5998	0	0	0	0
39	0	0	5998	0	0	0	0
40	0	0	5998	0	0	0	0
41	0	0	5998	0	0	0	0
42	0	0	5998	0	0	0	0
43	0	0	5998	0	0	0	0
44	0	0	5998	0	0	0	0
45	0	0	5998	0	0	0	0
46	0	0	5998	0	0	0	0
47	0	0	5998	0	0	0	0
48	0	0	5998	0	0	0	0
49	0	0	5998	0	0	0	0
50	0	0	5998	0	0	0	0
PERIOD TOTALS		0	299900	0	0	0	
PERIOD AVERAGES		0	5998	0	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 9 BMWA1991

YEAR	START	STRG	UNREG	FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		0		0	5572	0	0	0	0	0
2		0		0	5572	0	0	0	0	0
3		0		0	5572	0	0	0	0	0
4		0		0	5572	0	0	0	0	0
5		0		0	5572	0	0	0	0	0
6		0		0	5572	0	0	0	0	0
7		0		0	5572	0	0	0	0	0
8		0		0	5572	0	0	0	0	0
9		0		0	5572	0	0	0	0	0
10		0		0	5572	0	0	0	0	0
11		0		0	5572	0	0	0	0	0
12		0		0	5572	0	0	0	0	0
13		0		0	5572	0	0	0	0	0
14		0		0	5572	0	0	0	0	0
15		0		0	5572	0	0	0	0	0
16		0		0	5572	0	0	0	0	0
17		0		0	5572	0	0	0	0	0
18		0		0	5572	0	0	0	0	0
19		0		0	5572	0	0	0	0	0
20		0		0	5572	0	0	0	0	0
21		0		0	5572	0	0	0	0	0
22		0		0	5572	0	0	0	0	0
23		0		0	5572	0	0	0	0	0
24		0		0	5572	0	0	0	0	0
25		0		0	5572	0	0	0	0	0
26		0		0	5572	0	0	0	0	0
27		0		0	5572	0	0	0	0	0
28		0		0	5572	0	0	0	0	0
29		0		0	5572	0	0	0	0	0
30		0		0	5572	0	0	0	0	0
31		0		0	5572	0	0	0	0	0
32		0		0	5572	0	0	0	0	0
33		0		0	5572	0	0	0	0	0
34		0		0	5572	0	0	0	0	0
35		0		0	5572	0	0	0	0	0
36		0		0	5572	0	0	0	0	0
37		0		0	5572	0	0	0	0	0
38		0		0	5572	0	0	0	0	0
39		0		0	5572	0	0	0	0	0
40		0		0	5572	0	0	0	0	0
41		0		0	5572	0	0	0	0	0
42		0		0	5572	0	0	0	0	0
43		0		0	5572	0	0	0	0	0
44		0		0	5572	0	0	0	0	0
45		0		0	5572	0	0	0	0	0
46		0		0	5572	0	0	0	0	0
47		0		0	5572	0	0	0	0	0
48		0		0	5572	0	0	0	0	0
49		0		0	5572	0	0	0	0	0
50		0		0	5572	0	0	0	0	0
PERIOD TOTALS				0	278600	0	0	0		
PERIOD AVERAGES				0	5572	0	0	0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 10 BMA IRR1

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	37330	0	0	0	0
2	0	0	26062	0	0	0	0
3	0	0	29544	0	0	0	0
4	0	0	46426	0	0	0	0
5	0	0	29400	0	0	0	0
6	0	0	29485	0	0	0	0
7	0	0	35708	0	0	0	0
8	0	0	33074	0	0	0	0
9	0	0	51998	0	0	0	0
10	0	0	33619	0	0	0	0
11	0	0	51998	20568	0	0	0
12	0	0	51998	27498	0	0	0
13	0	0	51998	22174	0	0	0
14	0	0	51712	29303	0	0	0
15	0	0	51998	36671	0	0	0
16	0	0	51998	39293	0	0	0
17	0	0	51998	50316	0	0	0
18	0	0	28001	2100	0	0	0
19	0	0	23921	0	0	0	0
20	0	0	29718	0	0	0	0
21	0	0	29090	0	0	0	0
22	0	0	29032	0	0	0	0
23	0	0	46426	0	0	0	0
24	0	0	51998	0	0	0	0
25	0	0	31914	8339	0	0	0
26	0	0	32961	0	0	0	0
27	0	0	36050	0	0	0	0
28	0	0	46751	6361	0	0	0
29	0	0	27920	0	0	0	0
30	0	0	29973	0	0	0	0
31	0	0	29973	0	0	0	0
32	0	0	25758	0	0	0	0
33	0	0	29031	0	0	0	0
34	0	0	23847	0	0	0	0
35	0	0	29089	0	0	0	0
36	0	0	26675	0	0	0	0
37	0	0	28457	0	0	0	0
38	0	0	27995	0	0	0	0
39	0	0	26325	0	0	0	0
40	0	0	26843	0	0	0	0
41	0	0	33270	0	0	0	0
42	0	0	23977	0	0	0	0
43	0	0	37085	0	0	0	0
44	0	0	46426	0	0	0	0
45	0	0	46426	0	0	0	0
46	0	0	28748	0	0	0	0
47	0	0	26656	0	0	0	0
48	0	0	21243	0	0	0	0
49	0	0	37035	0	0	0	0
50	0	0	46426	0	0	0	0
PERIOD TOTALS		0	1781386	242623	0	0	
PERIOD AVERAGES		0	35627	4852	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 11 MEDINACO

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	3401	0	0	0	0
2	0	0	3401	0	0	0	0
3	0	0	3401	0	0	0	0
4	0	0	3401	0	0	0	0
5	0	0	3401	0	0	0	0
6	0	0	3401	0	0	0	0
7	0	0	3401	0	0	0	0
8	0	0	3401	0	0	0	0
9	0	0	3401	0	0	0	0
10	0	0	3401	0	0	0	0
11	0	0	3401	0	0	0	0
12	0	0	3401	0	0	0	0
13	0	0	3401	0	0	0	0
14	0	0	3401	0	0	0	0
15	0	0	3401	0	0	0	0
16	0	0	3401	0	0	0	0
17	0	0	3401	0	0	0	0
18	0	0	3401	0	0	0	0
19	0	0	3401	0	0	0	0
20	0	0	3401	0	0	0	0
21	0	0	3401	0	0	0	0
22	0	0	3401	0	0	0	0
23	0	0	3401	0	0	0	0
24	0	0	3401	0	0	0	0
25	0	0	3401	0	0	0	0
26	0	0	3401	0	0	0	0
27	0	0	3401	0	0	0	0
28	0	0	3401	0	0	0	0
29	0	0	3401	0	0	0	0
30	0	0	3401	0	0	0	0
31	0	0	3401	0	0	0	0
32	0	0	3401	0	0	0	0
33	0	0	3401	0	0	0	0
34	0	0	3401	0	0	0	0
35	0	0	3401	0	0	0	0
36	0	0	3401	0	0	0	0
37	0	0	3401	0	0	0	0
38	0	0	3401	0	0	0	0
39	0	0	3401	0	0	0	0
40	0	0	3401	0	0	0	0
41	0	0	3401	0	0	0	0
42	0	0	3401	0	0	0	0
43	0	0	3401	0	0	0	0
44	0	0	3401	0	0	0	0
45	0	0	3401	0	0	0	0
46	0	0	3401	0	0	0	0
47	0	0	3401	0	0	0	0
48	0	0	3401	0	0	0	0
49	0	0	3401	0	0	0	0
50	0	0	3401	0	0	0	0
PERIOD TOTALS		0	170050	0	0	0	
PERIOD AVERAGES		0	3401	0	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR

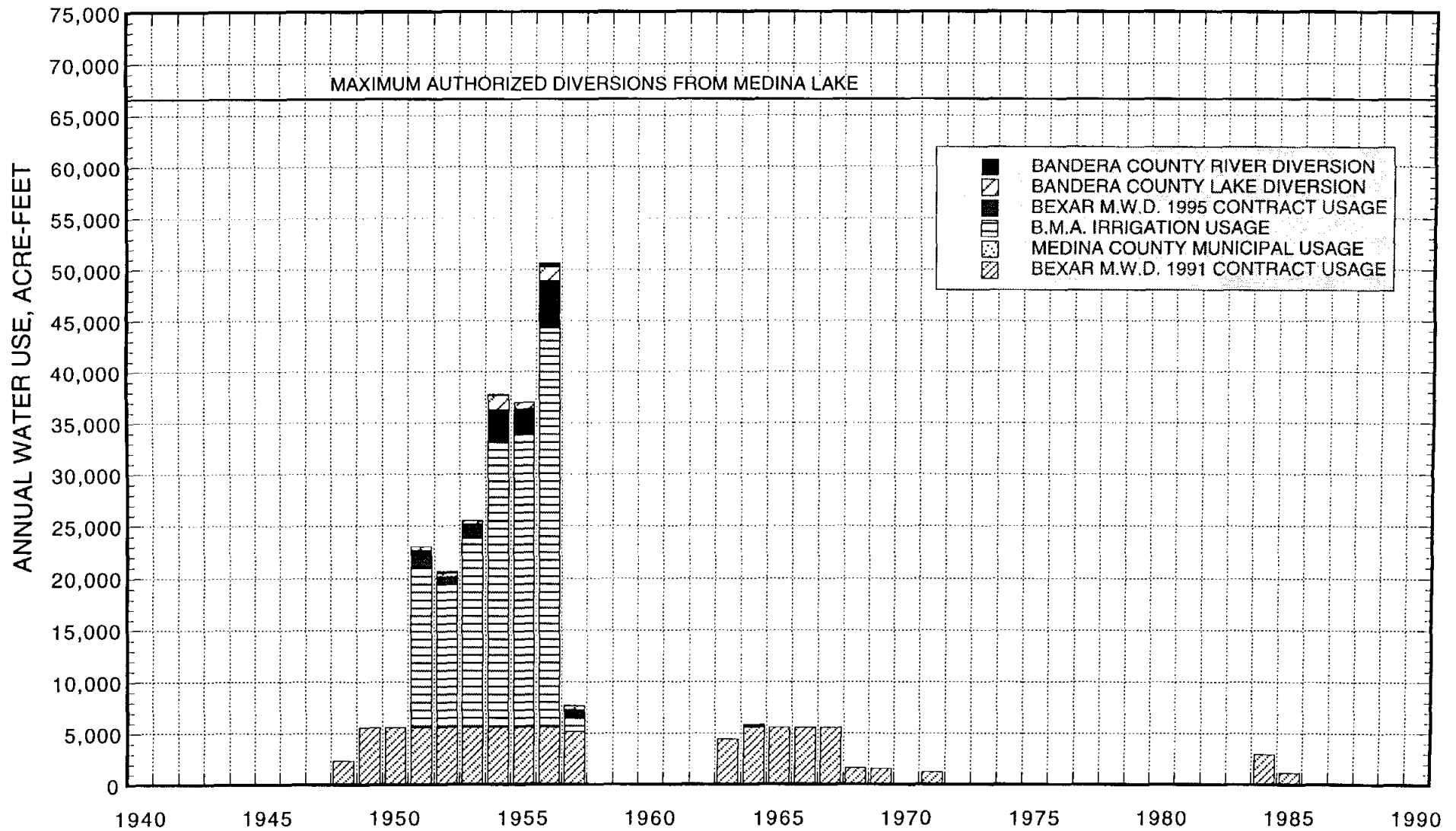
SIMULATION PERIOD TOTAL SUMMARY BY NODE 12 BANDCO L

YEAR	START	STRG	UNREG	FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM	LOSS	ENDING	STRG
1		0		0	3102	0	0		0		0
2		0		0	3102	0	0		0		0
3		0		0	3102	0	0		0		0
4		0		0	3102	0	0		0		0
5		0		0	3102	0	0		0		0
6		0		0	3102	0	0		0		0
7		0		0	3102	0	0		0		0
8		0		0	3102	0	0		0		0
9		0		0	3102	0	0		0		0
10		0		0	3102	0	0		0		0
11		0		0	3102	0	0		0		0
12		0		0	3102	323	0		0		0
13		0		0	3102	378	0		0		0
14		0		0	3102	279	0		0		0
15		0		0	3102	1344	0		0		0
16		0		0	3102	629	0		0		0
17		0		0	3102	1334	0		0		0
18		0		0	3102	371	0		0		0
19		0		0	3102	0	0		0		0
20		0		0	3102	0	0		0		0
21		0		0	3102	0	0		0		0
22		0		0	3102	0	0		0		0
23		0		0	3102	0	0		0		0
24		0		0	3102	0	0		0		0
25		0		0	3102	189	0		0		0
26		0		0	3102	0	0		0		0
27		0		0	3102	0	0		0		0
28		0		0	3102	110	0		0		0
29		0		0	3102	0	0		0		0
30		0		0	3102	0	0		0		0
31		0		0	3102	0	0		0		0
32		0		0	3102	0	0		0		0
33		0		0	3102	0	0		0		0
34		0		0	3102	0	0		0		0
35		0		0	3102	0	0		0		0
36		0		0	3102	0	0		0		0
37		0		0	3102	0	0		0		0
38		0		0	3102	0	0		0		0
39		0		0	3102	0	0		0		0
40		0		0	3102	0	0		0		0
41		0		0	3102	0	0		0		0
42		0		0	3102	0	0		0		0
43		0		0	3102	0	0		0		0
44		0		0	3102	0	0		0		0
45		0		0	3102	0	0		0		0
46		0		0	3102	0	0		0		0
47		0		0	3102	0	0		0		0
48		0		0	3102	0	0		0		0
49		0		0	3102	0	0		0		0
50		0		0	3102	0	0		0		0
PERIOD TOTALS				0	155100	4957	0		0		
PERIOD AVERAGES				0	3102	99	0		0		

***SECTION 3
WITHOUT PEARSON LAKE AND ASR
WITH IRRIGATION CONSERVATION***

ANNUAL WATER SHORTAGES FROM MEDINA LAKE

Without Pearson Lake and Aquifer Storage-Recovery
With Irrigation Conservation



BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

NUMBER OF MONTHS WITH SHORTAGES WITHIN SPECIFIC PERCENTAGE RANGES OF THE FULL MONTHLY DEMAND AMOUNTS

NODE	NAME	FULL DEMAND A-F/YR	SHORTAGE RANGE EXPRESSED AS A PERCENTAGE RANGE OF THE FULL MONTHLY DEMAND AMOUNTS											
			.0% thru .0%	.1% thru 10.0%	10.1% thru 20.0%	20.1% thru 30.0%	30.1% thru 40.0%	40.1% thru 50.0%	50.1% thru 60.0%	60.1% thru 70.0%	70.1% thru 80.0%	80.1% thru 90.0%	90.1% thru 100.0%	0.1% thru 100.0%
6	BANDCO R	2068	588.	0.	2.	3.	4.	0.	0.	2.	0.	1.	0.	12.
8	BMWA1995	6000	567.	1.	0.	1.	0.	0.	1.	3.	2.	1.	24.	33.
9	BMWA1991	5574	413.	0.	0.	0.	0.	0.	0.	0.	0.	0.	187.	187.
10	BMA IRR1	20000	544.	0.	3.	1.	2.	3.	2.	0.	4.	3.	38.	56.
11	MEDINACO	3400	600.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	BANDCO L	3102	576.	0.	3.	1.	1.	1.	1.	1.	2.	1.	13.	24.

DEMAND FAILURE PROBABILITIES FOR SHORTAGES WITHIN SPECIFIC PERCENTAGE RANGES OF THE FULL MONTHLY DEMAND AMOUNTS

NODE	NAME	FULL DEMAND A-F/YR	SHORTAGE RANGE EXPRESSED AS A PERCENTAGE RANGE OF THE FULL MONTHLY DEMAND AMOUNTS											
			.0% thru .0%	.1% thru 10.0%	10.1% thru 20.0%	20.1% thru 30.0%	30.1% thru 40.0%	40.1% thru 50.0%	50.1% thru 60.0%	60.1% thru 70.0%	70.1% thru 80.0%	80.1% thru 90.0%	90.1% thru 100.0%	0.1% thru 100.0%
6	BANDCO R	2068	98.0	.0	.3	.5	.7	.0	.0	.3	.0	.2	.0	2.0
8	BMWA1995	6000	94.5	.2	.0	.2	.0	.0	.2	.5	.3	.2	4.0	5.5
9	BMWA1991	5574	68.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	31.2	31.2
10	BMA IRR1	20000	90.7	.0	.5	.2	.3	.5	.3	.0	.7	.5	6.3	9.3
11	MEDINACO	3400	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	BANDCO L	3102	96.0	.0	.5	.2	.2	.2	.2	.2	.3	.2	2.2	4.0

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 1 MEDINA L

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	254000	0	41118	0	15304	0	218588
2	218588	0	34679	0	9552	0	248426
3	248426	0	36671	0	12963	0	244654
4	244654	0	47990	0	18786	0	164140
5	164140	0	36589	0	13218	0	186131
6	186131	0	36637	0	18219	0	197395
7	197395	0	40191	0	10433	0	175903
8	175903	0	38687	0	19716	0	153731
9	153731	0	52651	2349	12273	0	60591
10	60591	0	39001	5572	5697	0	66123
11	66123	0	50966	5572	5567	0	3073
12	3073	0	51712	23032	253	0	0
13	0	0	50754	20512	159	0	0
14	0	0	49338	25488	308	0	7148
15	7148	0	55173	37663	130	0	0
16	0	0	54757	37031	0	0	0
17	0	0	57085	50234	0	0	0
18	0	0	35787	7671	4941	0	120401
19	120401	0	33454	0	9455	0	254000
20	254000	0	36768	0	14259	0	249426
21	249426	0	36410	0	13859	0	253999
22	253999	0	36377	0	13913	0	225589
23	225589	0	51947	0	16953	0	124531
24	124531	0	55306	4425	8569	0	24582
25	24582	0	38023	5899	2133	0	55761
26	55761	0	38623	5572	6663	0	63409
27	63409	0	40387	5572	5674	0	62260
28	62260	0	46501	5572	3945	0	30034
29	30034	0	35743	1607	8331	0	129237
30	129237	0	36914	1576	7402	0	138757
31	138757	0	36914	0	10674	0	140110
32	140110	0	34506	1253	12391	0	254000
33	254000	0	36377	0	18438	0	243135
34	243135	0	33415	0	13681	0	254000
35	254000	0	36410	0	17369	0	254000
36	254000	0	35031	0	18166	0	234452
37	234452	0	36049	0	14260	0	254000
38	254000	0	35783	0	20906	0	227255
39	227255	0	34830	0	15841	0	254000
40	254000	0	35127	0	15936	0	228843
41	228843	0	38798	0	17284	0	207393
42	207393	0	33487	0	14539	0	254000
43	254000	0	40978	0	19739	0	209721
44	209721	0	46885	0	13684	0	143314
45	143314	0	49578	2967	13665	0	69157
46	69157	0	36215	1147	11540	0	127461
47	127461	0	35020	0	12191	0	254000
48	254000	0	31926	0	17402	0	246359
49	246359	0	40950	0	22704	0	204480
50	204480	0	50523	0	17967	0	111886
PERIOD TOTALS		0	2055041	250714	577052	0	
PERIOD AVERAGES		0	41100	5014	11541	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 2 DIVRSN L

YEAR	START	STRG	UNREG	FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		3973		0	38016	0	589	0		3973
2		3973		0	31577	0	347	138848		3973
3		3973		0	33569	0	477	16094		3973
4		3973		0	44888	0	766	0		3973
5		3973		0	33487	0	574	0		3973
6		3973		0	33535	0	726	0		3973
7		3973		0	37089	0	482	0		3973
8		3973		0	35585	0	879	0		3973
9		3973		0	49549	2349	831	0		3973
10		3973		0	35899	5572	464	0		3973
11		3973		0	47864	5572	868	0		3973
12		3973		0	48610	22709	212	0		0
13		0		0	47652	20134	235	0		697
14		697		0	46236	25209	157	0		3973
15		3973		0	52071	36319	206	0		0
16		0		0	51655	36402	31	0		0
17		0		0	53983	48900	0	0		0
18		0		0	32685	7300	382	0		3973
19		3973		0	30352	0	334	130737		3973
20		3973		0	33666	0	520	7595		3973
21		3973		0	33308	0	514	26638		3973
22		3973		0	33275	0	509	61992		3973
23		3973		0	48845	0	800	0		3973
24		3973		0	52204	4425	770	0		3973
25		3973		0	34921	5899	486	0		3973
26		3973		0	35521	5572	557	0		3973
27		3973		0	37285	5572	588	0		3973
28		3973		0	43399	5572	662	0		3973
29		3973		0	32641	1607	433	0		3973
30		3973		0	33812	1576	481	0		3973
31		3973		0	33812	0	526	0		3973
32		3973		0	31404	1253	686	71923		3973
33		3973		0	33275	0	668	39648		3973
34		3973		0	30313	0	495	250607		3973
35		3973		0	33308	0	630	27442		3973
36		3973		0	31929	0	658	152091		3973
37		3973		0	32947	0	528	39350		3973
38		3973		0	32681	0	769	98712		3973
39		3973		0	31728	0	636	125031		3973
40		3973		0	32025	0	581	152642		3973
41		3973		0	35696	0	742	0		3973
42		3973		0	30385	0	528	208763		3973
43		3973		0	37876	0	734	4584		3973
44		3973		0	43783	0	640	0		3973
45		3973		0	46476	2967	932	0		3973
46		3973		0	33113	1147	664	0		3973
47		3973		0	31918	0	649	19179		3973
48		3973		0	28824	0	627	379422		3973
49		3973		0	37848	0	882	0		3973
50		3973		0	47421	0	896	0		3973
PERIOD TOTALS				0	1899941	246056	28351	1951298		
PERIOD AVERAGES				0	37998	4921	567	39025		

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 3 PEARSN L

YEAR	START	STRG	UNREG	FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		0		0	26446	0	0	0	0	0
2		0		0	20007	0	0	0	0	0
3		0		0	21999	0	0	0	0	0
4		0		0	33318	0	0	0	0	0
5		0		0	21917	0	0	0	0	0
6		0		0	21965	0	0	0	0	0
7		0		0	25519	0	0	0	0	0
8		0		0	24015	0	0	0	0	0
9		0		0	37979	0	0	0	0	0
10		0		0	24329	0	0	0	0	0
11		0		0	36294	0	0	0	0	0
12		0		0	37040	15516	0	0	0	0
13		0		0	36082	13879	0	0	0	0
14		0		0	34666	18263	0	0	0	0
15		0		0	40501	27554	0	0	0	0
16		0		0	40085	28253	0	0	0	0
17		0		0	42413	38699	0	0	0	0
18		0		0	21115	1328	0	0	0	0
19		0		0	18782	0	0	0	0	0
20		0		0	22096	0	0	0	0	0
21		0		0	21738	0	0	0	0	0
22		0		0	21705	0	0	0	0	0
23		0		0	37275	0	0	0	0	0
24		0		0	40634	0	0	0	0	0
25		0		0	23351	327	0	0	0	0
26		0		0	23951	0	0	0	0	0
27		0		0	25715	0	0	0	0	0
28		0		0	31829	0	0	0	0	0
29		0		0	21071	0	0	0	0	0
30		0		0	22242	0	0	0	0	0
31		0		0	22242	0	0	0	0	0
32		0		0	19834	0	0	0	0	0
33		0		0	21705	0	0	0	0	0
34		0		0	18743	0	0	0	0	0
35		0		0	21738	0	0	0	0	0
36		0		0	20359	0	0	0	0	0
37		0		0	21377	0	0	0	0	0
38		0		0	21111	0	0	0	0	0
39		0		0	20158	0	0	0	0	0
40		0		0	20455	0	0	0	0	0
41		0		0	24126	0	0	0	0	0
42		0		0	18815	0	0	0	0	0
43		0		0	26306	0	0	0	0	0
44		0		0	32213	0	0	0	0	0
45		0		0	34906	0	0	0	0	0
46		0		0	21543	0	0	0	0	0
47		0		0	20348	0	0	0	0	0
48		0		0	17254	0	0	0	0	0
49		0		0	26278	0	0	0	0	0
50		0		0	35851	0	0	0	0	0
PERIOD TOTALS				0	1321441	143819	0	0		
PERIOD AVERAGES				0	26428	2876	0	0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 4 ASR PROJ

YEAR	START	STRG	UNREG	FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		0		0	0	0	0	0	0	0
2		0		0	0	0	0	0	0	0
3		0		0	0	0	0	0	0	0
4		0		0	0	0	0	0	0	0
5		0		0	0	0	0	0	0	0
6		0		0	0	0	0	0	0	0
7		0		0	0	0	0	0	0	0
8		0		0	0	0	0	0	0	0
9		0		0	0	0	0	0	0	0
10		0		0	0	0	0	0	0	0
11		0		0	0	0	0	0	0	0
12		0		0	0	0	0	0	0	0
13		0		0	0	0	0	0	0	0
14		0		0	0	0	0	0	0	0
15		0		0	0	0	0	0	0	0
16		0		0	0	0	0	0	0	0
17		0		0	0	0	0	0	0	0
18		0		0	0	0	0	0	0	0
19		0		0	0	0	0	0	0	0
20		0		0	0	0	0	0	0	0
21		0		0	0	0	0	0	0	0
22		0		0	0	0	0	0	0	0
23		0		0	0	0	0	0	0	0
24		0		0	0	0	0	0	0	0
25		0		0	0	0	0	0	0	0
26		0		0	0	0	0	0	0	0
27		0		0	0	0	0	0	0	0
28		0		0	0	0	0	0	0	0
29		0		0	0	0	0	0	0	0
30		0		0	0	0	0	0	0	0
31		0		0	0	0	0	0	0	0
32		0		0	0	0	0	0	0	0
33		0		0	0	0	0	0	0	0
34		0		0	0	0	0	0	0	0
35		0		0	0	0	0	0	0	0
36		0		0	0	0	0	0	0	0
37		0		0	0	0	0	0	0	0
38		0		0	0	0	0	0	0	0
39		0		0	0	0	0	0	0	0
40		0		0	0	0	0	0	0	0
41		0		0	0	0	0	0	0	0
42		0		0	0	0	0	0	0	0
43		0		0	0	0	0	0	0	0
44		0		0	0	0	0	0	0	0
45		0		0	0	0	0	0	0	0
46		0		0	0	0	0	0	0	0
47		0		0	0	0	0	0	0	0
48		0		0	0	0	0	0	0	0
49		0		0	0	0	0	0	0	0
50		0		0	0	0	0	0	0	0
PERIOD TOTALS				0	0	0	0	0		
PERIOD AVERAGES				0	0	0	0	0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 5 GROUNDWT

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		4000	0	0	0	0	0	4000	4000
2		4000	0	0	0	0	0	4000	4000
3		4000	0	0	0	0	0	4000	4000
4		4000	0	0	0	0	0	4000	4000
5		4000	0	0	0	0	0	4000	4000
6		4000	0	0	0	0	0	4000	4000
7		4000	0	0	0	0	0	4000	4000
8		4000	0	0	0	0	0	4000	4000
9		4000	0	0	0	0	0	4000	4000
10		4000	0	0	0	0	0	4000	4000
11		4000	0	0	0	0	0	4000	4000
12		4000	0	0	0	0	0	1654	1654
13		1654	2346	0	0	0	0	2019	2019
14		2019	1981	0	0	0	0	2092	2092
15		2092	1908	0	0	0	0	1337	1337
16		1337	2663	0	0	0	0	891	891
17		891	3109	0	0	0	0	599	599
18		599	3401	0	0	0	0	3554	3554
19		3554	446	0	0	0	0	4000	4000
20		4000	0	0	0	0	0	4000	4000
21		4000	0	0	0	0	0	4000	4000
22		4000	0	0	0	0	0	4000	4000
23		4000	0	0	0	0	0	4000	4000
24		4000	0	0	0	0	0	4000	4000
25		4000	0	0	0	0	0	3613	3613
26		3613	387	0	0	0	0	4000	4000
27		4000	0	0	0	0	0	4000	4000
28		4000	0	0	0	0	0	4000	4000
29		4000	0	0	0	0	0	4000	4000
30		4000	0	0	0	0	0	4000	4000
31		4000	0	0	0	0	0	4000	4000
32		4000	0	0	0	0	0	4000	4000
33		4000	0	0	0	0	0	4000	4000
34		4000	0	0	0	0	0	4000	4000
35		4000	0	0	0	0	0	4000	4000
36		4000	0	0	0	0	0	4000	4000
37		4000	0	0	0	0	0	4000	4000
38		4000	0	0	0	0	0	4000	4000
39		4000	0	0	0	0	0	4000	4000
40		4000	0	0	0	0	0	4000	4000
41		4000	0	0	0	0	0	4000	4000
42		4000	0	0	0	0	0	4000	4000
43		4000	0	0	0	0	0	4000	4000
44		4000	0	0	0	0	0	4000	4000
45		4000	0	0	0	0	0	4000	4000
46		4000	0	0	0	0	0	4000	4000
47		4000	0	0	0	0	0	4000	4000
48		4000	0	0	0	0	0	4000	4000
49		4000	0	0	0	0	0	4000	4000
50		4000	0	0	0	0	0	4000	4000
PERIOD TOTALS			16241	0	0	0	0		
PERIOD AVERAGES			324	0	0	0	0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 6 BANDCO R

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1		0	88206	2068	0	0	0	0
2		0	280700	2068	0	0	0	0
3		0	129781	2068	0	0	0	0
4		0	52471	2068	0	0	0	0
5		0	135945	2068	0	0	0	0
6		0	132321	2068	0	0	0	0
7		0	93033	2068	0	0	0	0
8		0	100863	2068	0	0	0	0
9		0	28201	2068	0	0	0	0
10		0	99238	2068	0	0	0	0
11		0	36968	2068	0	0	0	0
12		0	33095	2068	0	0	0	0
13		0	38081	2068	144	0	0	0
14		0	45448	2068	61	0	0	0
15		0	15085	2068	179	0	0	0
16		0	17246	2068	0	0	0	0
17		0	5140	2068	378	0	0	0
18		0	196689	2068	56	0	0	0
19		0	373403	2068	0	0	0	0
20		0	122193	2068	0	0	0	0
21		0	149458	2068	0	0	0	0
22		0	151894	2068	0	0	0	0
23		0	31876	2068	20	0	0	0
24		0	14396	2068	0	0	0	0
25		0	104311	2068	0	0	0	0
26		0	101197	2068	0	0	0	0
27		0	92017	2068	0	0	0	0
28		0	60202	2068	0	0	0	0
29		0	200136	2068	0	0	0	0
30		0	111118	2068	0	0	0	0
31		0	111168	2068	0	0	0	0
32		0	293824	2068	0	0	0	0
33		0	151925	2068	0	0	0	0
34		0	376657	2068	0	0	0	0
35		0	149540	2068	0	0	0	0
36		0	254094	2068	0	0	0	0
37		0	176836	2068	0	0	0	0
38		0	196868	2068	0	0	0	0
39		0	269262	2068	0	0	0	0
40		0	246755	2068	0	0	0	0
41		0	100276	2068	0	0	0	0
42		0	370983	2068	0	0	0	0
43		0	88939	2068	0	0	0	0
44		0	58203	2068	0	0	0	0
45		0	44188	2068	0	0	0	0
46		0	164261	2068	0	0	0	0
47		0	254878	2068	0	0	0	0
48		0	489532	2068	0	0	0	0
49		0	89087	2068	0	0	0	0
50		0	39287	2068	0	0	0	0
PERIOD TOTALS			6967275	103400	838	0	0	
PERIOD AVERAGES			139345	2068	16	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 7 DIV LEAK

YEAR	START	STRG	UNREG	FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		0		0	12588	0	0	0	0	0
2		0		0	12588	0	0	0	0	0
3		0		0	12588	0	0	0	0	0
4		0		0	12588	0	0	0	0	0
5		0		0	12588	0	0	0	0	0
6		0		0	12588	0	0	0	0	0
7		0		0	12588	0	0	0	0	0
8		0		0	12588	0	0	0	0	0
9		0		0	12588	0	0	0	0	0
10		0		0	12588	0	0	0	0	0
11		0		0	12588	0	0	0	0	0
12		0		0	3818	0	0	0	0	0
13		0		0	1408	0	0	0	0	0
14		0		0	3147	0	0	0	0	0
15		0		0	3129	0	0	0	0	0
16		0		0	0	0	0	0	0	0
17		0		0	0	0	0	0	0	0
18		0		0	9441	0	0	0	0	0
19		0		0	12588	0	0	0	0	0
20		0		0	12588	0	0	0	0	0
21		0		0	12588	0	0	0	0	0
22		0		0	12588	0	0	0	0	0
23		0		0	12588	0	0	0	0	0
24		0		0	12588	0	0	0	0	0
25		0		0	10490	0	0	0	0	0
26		0		0	12588	0	0	0	0	0
27		0		0	12588	0	0	0	0	0
28		0		0	12588	0	0	0	0	0
29		0		0	12588	0	0	0	0	0
30		0		0	12588	0	0	0	0	0
31		0		0	12588	0	0	0	0	0
32		0		0	12588	0	0	0	0	0
33		0		0	12588	0	0	0	0	0
34		0		0	12588	0	0	0	0	0
35		0		0	12588	0	0	0	0	0
36		0		0	12588	0	0	0	0	0
37		0		0	12588	0	0	0	0	0
38		0		0	12588	0	0	0	0	0
39		0		0	12588	0	0	0	0	0
40		0		0	12588	0	0	0	0	0
41		0		0	12588	0	0	0	0	0
42		0		0	12588	0	0	0	0	0
43		0		0	12588	0	0	0	0	0
44		0		0	12588	0	0	0	0	0
45		0		0	12588	0	0	0	0	0
46		0		0	12588	0	0	0	0	0
47		0		0	12588	0	0	0	0	0
48		0		0	12588	0	0	0	0	0
49		0		0	12588	0	0	0	0	0
50		0		0	12588	0	0	0	0	0
PERIOD TOTALS				0	560129	0	0	0		
PERIOD AVERAGES				0	11202	0	0	0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 8 BMWA1995

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	5998	0	0	0	0
2	0	0	5998	0	0	0	0
3	0	0	5998	0	0	0	0
4	0	0	5998	0	0	0	0
5	0	0	5998	0	0	0	0
6	0	0	5998	0	0	0	0
7	0	0	5998	0	0	0	0
8	0	0	5998	0	0	0	0
9	0	0	5998	0	0	0	0
10	0	0	5998	0	0	0	0
11	0	0	5998	0	0	0	0
12	0	0	5998	1621	0	0	0
13	0	0	5998	683	0	0	0
14	0	0	5998	1374	0	0	0
15	0	0	5998	3193	0	0	0
16	0	0	5998	2577	0	0	0
17	0	0	5998	4629	0	0	0
18	0	0	5998	787	0	0	0
19	0	0	5998	0	0	0	0
20	0	0	5998	0	0	0	0
21	0	0	5998	0	0	0	0
22	0	0	5998	0	0	0	0
23	0	0	5998	0	0	0	0
24	0	0	5998	0	0	0	0
25	0	0	5998	0	0	0	0
26	0	0	5998	0	0	0	0
27	0	0	5998	0	0	0	0
28	0	0	5998	0	0	0	0
29	0	0	5998	0	0	0	0
30	0	0	5998	0	0	0	0
31	0	0	5998	0	0	0	0
32	0	0	5998	0	0	0	0
33	0	0	5998	0	0	0	0
34	0	0	5998	0	0	0	0
35	0	0	5998	0	0	0	0
36	0	0	5998	0	0	0	0
37	0	0	5998	0	0	0	0
38	0	0	5998	0	0	0	0
39	0	0	5998	0	0	0	0
40	0	0	5998	0	0	0	0
41	0	0	5998	0	0	0	0
42	0	0	5998	0	0	0	0
43	0	0	5998	0	0	0	0
44	0	0	5998	0	0	0	0
45	0	0	5998	0	0	0	0
46	0	0	5998	0	0	0	0
47	0	0	5998	0	0	0	0
48	0	0	5998	0	0	0	0
49	0	0	5998	0	0	0	0
50	0	0	5998	0	0	0	0
PERIOD TOTALS			0	299900	14864	0	0
PERIOD AVERAGES			0	5998	297	0	0

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 9 BMWA1991

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1		0	0	5572	0	0	0	0
2		0	0	5572	0	0	0	0
3		0	0	5572	0	0	0	0
4		0	0	5572	0	0	0	0
5		0	0	5572	0	0	0	0
6		0	0	5572	0	0	0	0
7		0	0	5572	0	0	0	0
8		0	0	5572	0	0	0	0
9		0	0	5572	2349	0	0	0
10		0	0	5572	5572	0	0	0
11		0	0	5572	5572	0	0	0
12		0	0	5572	5572	0	0	0
13		0	0	5572	5572	0	0	0
14		0	0	5572	5572	0	0	0
15		0	0	5572	5572	0	0	0
16		0	0	5572	5572	0	0	0
17		0	0	5572	5572	0	0	0
18		0	0	5572	5185	0	0	0
19		0	0	5572	0	0	0	0
20		0	0	5572	0	0	0	0
21		0	0	5572	0	0	0	0
22		0	0	5572	0	0	0	0
23		0	0	5572	0	0	0	0
24		0	0	5572	4425	0	0	0
25		0	0	5572	5572	0	0	0
26		0	0	5572	5572	0	0	0
27		0	0	5572	5572	0	0	0
28		0	0	5572	5572	0	0	0
29		0	0	5572	1607	0	0	0
30		0	0	5572	1576	0	0	0
31		0	0	5572	0	0	0	0
32		0	0	5572	1253	0	0	0
33		0	0	5572	0	0	0	0
34		0	0	5572	0	0	0	0
35		0	0	5572	0	0	0	0
36		0	0	5572	0	0	0	0
37		0	0	5572	0	0	0	0
38		0	0	5572	0	0	0	0
39		0	0	5572	0	0	0	0
40		0	0	5572	0	0	0	0
41		0	0	5572	0	0	0	0
42		0	0	5572	0	0	0	0
43		0	0	5572	0	0	0	0
44		0	0	5572	0	0	0	0
45		0	0	5572	2967	0	0	0
46		0	0	5572	1147	0	0	0
47		0	0	5572	0	0	0	0
48		0	0	5572	0	0	0	0
49		0	0	5572	0	0	0	0
50		0	0	5572	0	0	0	0
PERIOD TOTALS			0	278600	87373	0	0	
PERIOD AVERAGES			0	5572	1747	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 10 BMA IIRRI

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	23045	0	0	0	0
2	0	0	16606	0	0	0	0
3	0	0	18598	0	0	0	0
4	0	0	29917	0	0	0	0
5	0	0	18516	0	0	0	0
6	0	0	18564	0	0	0	0
7	0	0	22118	0	0	0	0
8	0	0	20614	0	0	0	0
9	0	0	34578	0	0	0	0
10	0	0	20928	0	0	0	0
11	0	0	32893	0	0	0	0
12	0	0	33639	15516	0	0	0
13	0	0	32681	13879	0	0	0
14	0	0	31265	18263	0	0	0
15	0	0	37100	27554	0	0	0
16	0	0	36684	28253	0	0	0
17	0	0	39012	38699	0	0	0
18	0	0	17714	1328	0	0	0
19	0	0	15381	0	0	0	0
20	0	0	18695	0	0	0	0
21	0	0	18337	0	0	0	0
22	0	0	18304	0	0	0	0
23	0	0	33874	0	0	0	0
24	0	0	37233	0	0	0	0
25	0	0	19950	327	0	0	0
26	0	0	20550	0	0	0	0
27	0	0	22314	0	0	0	0
28	0	0	28428	0	0	0	0
29	0	0	17670	0	0	0	0
30	0	0	18841	0	0	0	0
31	0	0	18841	0	0	0	0
32	0	0	16433	0	0	0	0
33	0	0	18304	0	0	0	0
34	0	0	15342	0	0	0	0
35	0	0	18337	0	0	0	0
36	0	0	16958	0	0	0	0
37	0	0	17976	0	0	0	0
38	0	0	17710	0	0	0	0
39	0	0	16757	0	0	0	0
40	0	0	17054	0	0	0	0
41	0	0	20725	0	0	0	0
42	0	0	15414	0	0	0	0
43	0	0	22905	0	0	0	0
44	0	0	28812	0	0	0	0
45	0	0	31505	0	0	0	0
46	0	0	18142	0	0	0	0
47	0	0	16947	0	0	0	0
48	0	0	13853	0	0	0	0
49	0	0	22877	0	0	0	0
50	0	0	32450	0	0	0	0
PERIOD TOTALS		0	1151391	143819	0	0	
PERIOD AVERAGES		0	23027	2876	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 11 MEDINACO

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	3401	0	0	0	0
2	0	0	3401	0	0	0	0
3	0	0	3401	0	0	0	0
4	0	0	3401	0	0	0	0
5	0	0	3401	0	0	0	0
6	0	0	3401	0	0	0	0
7	0	0	3401	0	0	0	0
8	0	0	3401	0	0	0	0
9	0	0	3401	0	0	0	0
10	0	0	3401	0	0	0	0
11	0	0	3401	0	0	0	0
12	0	0	3401	0	0	0	0
13	0	0	3401	0	0	0	0
14	0	0	3401	0	0	0	0
15	0	0	3401	0	0	0	0
16	0	0	3401	0	0	0	0
17	0	0	3401	0	0	0	0
18	0	0	3401	0	0	0	0
19	0	0	3401	0	0	0	0
20	0	0	3401	0	0	0	0
21	0	0	3401	0	0	0	0
22	0	0	3401	0	0	0	0
23	0	0	3401	0	0	0	0
24	0	0	3401	0	0	0	0
25	0	0	3401	0	0	0	0
26	0	0	3401	0	0	0	0
27	0	0	3401	0	0	0	0
28	0	0	3401	0	0	0	0
29	0	0	3401	0	0	0	0
30	0	0	3401	0	0	0	0
31	0	0	3401	0	0	0	0
32	0	0	3401	0	0	0	0
33	0	0	3401	0	0	0	0
34	0	0	3401	0	0	0	0
35	0	0	3401	0	0	0	0
36	0	0	3401	0	0	0	0
37	0	0	3401	0	0	0	0
38	0	0	3401	0	0	0	0
39	0	0	3401	0	0	0	0
40	0	0	3401	0	0	0	0
41	0	0	3401	0	0	0	0
42	0	0	3401	0	0	0	0
43	0	0	3401	0	0	0	0
44	0	0	3401	0	0	0	0
45	0	0	3401	0	0	0	0
46	0	0	3401	0	0	0	0
47	0	0	3401	0	0	0	0
48	0	0	3401	0	0	0	0
49	0	0	3401	0	0	0	0
50	0	0	3401	0	0	0	0
PERIOD TOTALS		0	170050	0	0	0	
PERIOD AVERAGES		0	3401	0	0	0	

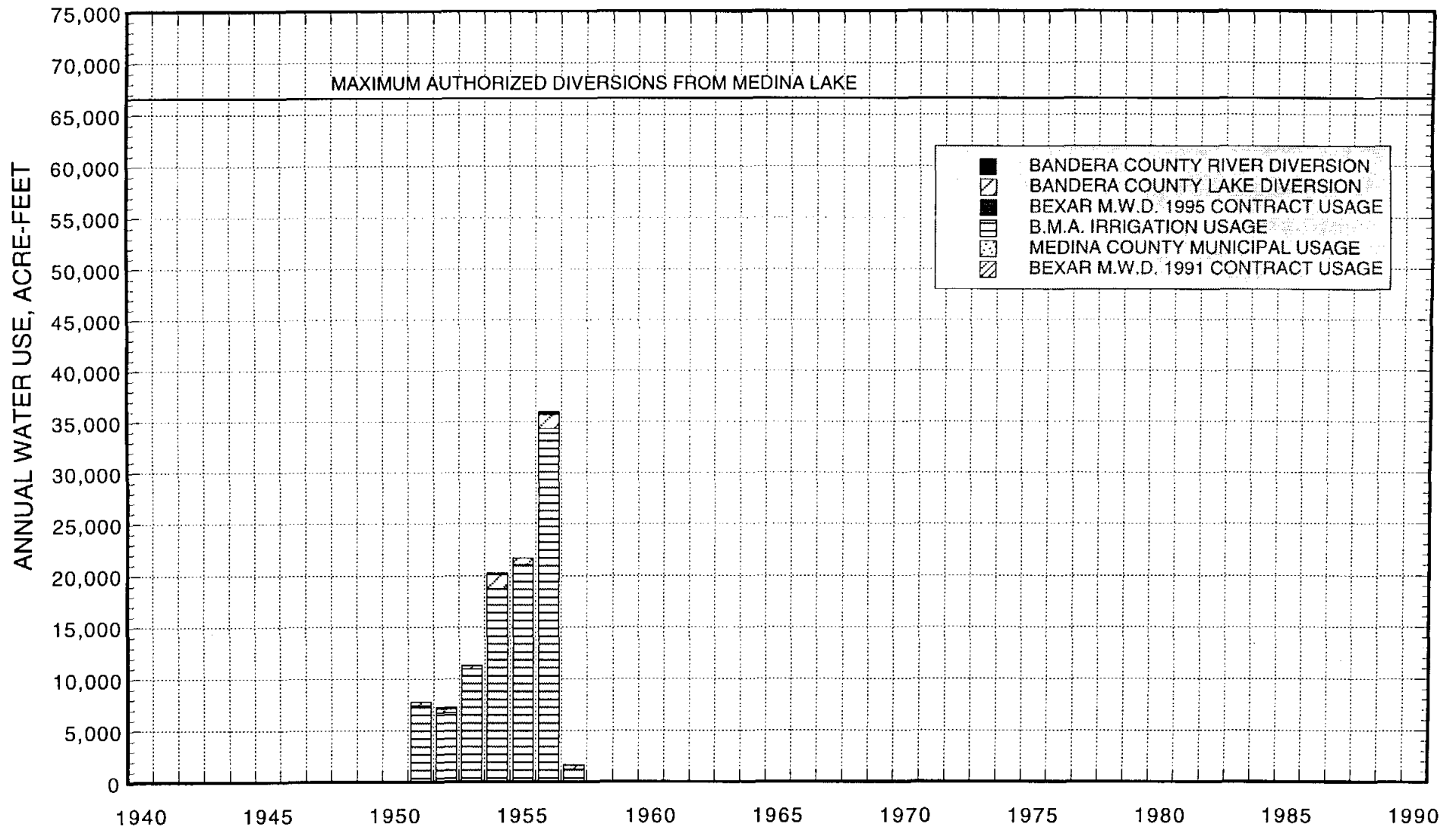
BMA/MEDINA CO REGIONAL WATER STUDY - BMABWCV - W/ CONSV - W/O PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 12 BANDCO L

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	3102	0	0	0	0
2	0	0	3102	0	0	0	0
3	0	0	3102	0	0	0	0
4	0	0	3102	0	0	0	0
5	0	0	3102	0	0	0	0
6	0	0	3102	0	0	0	0
7	0	0	3102	0	0	0	0
8	0	0	3102	0	0	0	0
9	0	0	3102	0	0	0	0
10	0	0	3102	0	0	0	0
11	0	0	3102	0	0	0	0
12	0	0	3102	323	0	0	0
13	0	0	3102	378	0	0	0
14	0	0	3102	279	0	0	0
15	0	0	3102	1344	0	0	0
16	0	0	3102	629	0	0	0
17	0	0	3102	1334	0	0	0
18	0	0	3102	371	0	0	0
19	0	0	3102	0	0	0	0
20	0	0	3102	0	0	0	0
21	0	0	3102	0	0	0	0
22	0	0	3102	0	0	0	0
23	0	0	3102	0	0	0	0
24	0	0	3102	0	0	0	0
25	0	0	3102	0	0	0	0
26	0	0	3102	0	0	0	0
27	0	0	3102	0	0	0	0
28	0	0	3102	0	0	0	0
29	0	0	3102	0	0	0	0
30	0	0	3102	0	0	0	0
31	0	0	3102	0	0	0	0
32	0	0	3102	0	0	0	0
33	0	0	3102	0	0	0	0
34	0	0	3102	0	0	0	0
35	0	0	3102	0	0	0	0
36	0	0	3102	0	0	0	0
37	0	0	3102	0	0	0	0
38	0	0	3102	0	0	0	0
39	0	0	3102	0	0	0	0
40	0	0	3102	0	0	0	0
41	0	0	3102	0	0	0	0
42	0	0	3102	0	0	0	0
43	0	0	3102	0	0	0	0
44	0	0	3102	0	0	0	0
45	0	0	3102	0	0	0	0
46	0	0	3102	0	0	0	0
47	0	0	3102	0	0	0	0
48	0	0	3102	0	0	0	0
49	0	0	3102	0	0	0	0
50	0	0	3102	0	0	0	0
PERIOD TOTALS		0	155100	4658	0	0	
PERIOD AVERAGES		0	3102	93	0	0	

***SECTION 4
WITH PEARSON LAKE AND ASR
WITH IRRIGATION CONSERVATION***

ANNUAL WATER SHORTAGES FROM MEDINA LAKE With Pearson Lake and Aquifer Storage-Recovery With Irrigation Conservation



BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

NUMBER OF MONTHS WITH SHORTAGES WITHIN SPECIFIC PERCENTAGE RANGES OF THE FULL MONTHLY DEMAND AMOUNTS

NODE	NAME	FULL DEMAND A-F/YR	SHORTAGE RANGE EXPRESSED AS A PERCENTAGE RANGE OF THE FULL MONTHLY DEMAND AMOUNTS											
			.0% thru .0%	.1% thru 10.0%	10.1% thru 20.0%	20.1% thru 30.0%	30.1% thru 40.0%	40.1% thru 50.0%	50.1% thru 60.0%	60.1% thru 70.0%	70.1% thru 80.0%	80.1% thru 90.0%	90.1% thru 100.0%	0.1% thru 100.0%
6	BANDCO R	2068	588.	0.	2.	3.	4.	0.	0.	2.	0.	1.	0.	12.
8	BMWA1995	6000	600.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	BMWA1991	5574	600.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	BMA IRRI	17000	554.	1.	1.	3.	3.	1.	2.	2.	5.	0.	28.	46.
11	MEDINACO	3400	600.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	BANDCO L	3102	576.	0.	3.	1.	1.	1.	1.	1.	2.	1.	13.	24.

DEMAND FAILURE PROBABILITIES FOR SHORTAGES WITHIN SPECIFIC PERCENTAGE RANGES OF THE FULL MONTHLY DEMAND AMOUNTS

NODE	NAME	FULL DEMAND A-F/YR	SHORTAGE RANGE EXPRESSED AS A PERCENTAGE RANGE OF THE FULL MONTHLY DEMAND AMOUNTS											
			.0% thru .0%	.1% thru 10.0%	10.1% thru 20.0%	20.1% thru 30.0%	30.1% thru 40.0%	40.1% thru 50.0%	50.1% thru 60.0%	60.1% thru 70.0%	70.1% thru 80.0%	80.1% thru 90.0%	90.1% thru 100.0%	0.1% thru 100.0%
6	BANDCO R	2068	98.0	.0	.3	.5	.7	.0	.0	.3	.0	.2	.0	2.0
8	BMWA1995	6000	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	BMWA1991	5574	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	BMA IRRI	17000	92.3	.2	.2	.5	.5	.2	.3	.3	.8	.0	4.7	7.7
11	MEDINACO	3400	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	BANDCO L	3102	96.0	.0	.5	.2	.2	.2	.2	.2	.3	.2	2.2	4.0

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 1 MEDINA L

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	254000	0	57902	0	14516	0	196524
2	196524	0	59529	0	9499	0	236993
3	236993	0	59566	0	12380	0	222786
4	222786	0	56249	0	16605	0	129641
5	129641	0	59566	0	10614	0	129535
6	129535	0	59566	0	13716	0	121755
7	121755	0	44017	0	6882	0	107096
8	107096	0	35687	0	14347	0	93962
9	93962	0	49653	0	7755	0	20567
10	20567	0	35999	0	4024	0	39320
11	39320	0	47967	0	2976	0	0
12	0	0	48712	7772	258	0	0
13	0	0	47755	7124	120	0	0
14	0	0	46338	11244	271	0	7112
15	7112	0	52175	20096	156	0	0
16	0	0	51759	21685	0	0	0
17	0	0	54085	35664	0	0	0
18	0	0	35072	1646	4973	0	119267
19	119267	0	60357	0	9348	0	254000
20	254000	0	59566	0	13807	0	230032
21	230032	0	59566	0	12442	0	236155
22	236155	0	59566	0	13616	0	209726
23	209726	0	64498	13517	15749	0	109914
24	109914	0	53321	1016	7709	0	18747
25	18747	0	35072	0	1992	0	57872
26	57872	0	35622	0	6997	0	70727
27	70727	0	37387	0	6369	0	73699
28	73699	0	43500	0	5151	0	43455
29	43455	0	35072	0	8279	0	115813
30	115813	0	39976	0	6694	0	122043
31	122043	0	64496	16631	9301	0	112874
32	112874	0	39504	4998	10872	0	254000
33	254000	0	64496	29424	18452	0	243602
34	243602	0	64495	31080	13685	0	254000
35	254000	0	64496	29424	17375	0	254000
36	254000	0	64491	29460	18165	0	234276
37	234276	0	64496	29424	14261	0	254000
38	254000	0	64496	29424	20907	0	227340
39	227340	0	64494	29664	15839	0	254000
40	254000	0	64496	29424	15933	0	228679
41	228679	0	64492	28692	17352	0	209724
42	209724	0	64495	31008	14548	0	254000
43	254000	0	64497	26520	19775	0	211175
44	211175	0	64490	20604	13845	0	147107
45	147107	0	55539	8958	14147	0	76280
46	76280	0	35072	0	11655	0	129049
47	129049	0	64492	29472	12273	0	254000
48	254000	0	64494	32568	17401	0	246238
49	246238	0	64494	26544	22794	0	206768
50	206768	0	64491	16968	18258	0	116200
PERIOD TOTALS		0	2711616	600051	544083	0	
PERIOD AVERAGES		0	54232	12001	10881	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 2 DIVRSN L

YEAR	START	STRG	UNREG	FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		3973		0	54800	0	589	0		3973
2		3973		0	56427	0	347	98812		3973
3		3973		0	56464	0	477	0		3973
4		3973		0	53147	0	766	0		3973
5		3973		0	56464	0	574	0		3973
6		3973		0	56464	0	726	0		3973
7		3973		0	40915	0	482	0		3973
8		3973		0	32585	0	879	0		3973
9		3973		0	46551	0	831	0		3973
10		3973		0	32897	0	464	0		3973
11		3973		0	44865	0	728	0		0
12		0		0	45610	7449	174	0		0
13		0		0	44653	6746	199	0		903
14		903		0	43236	10965	181	0		3973
15		3973		0	49073	18752	173	0		0
16		0		0	48657	21056	0	0		0
17		0		0	50983	34330	0	0		0
18		0		0	31970	1275	387	0		3973
19		3973		0	57255	0	334	98796		3973
20		3973		0	56464	0	520	0		3973
21		3973		0	56464	0	514	0		3973
22		3973		0	56464	0	509	32396		3973
23		3973		0	61396	13517	800	0		3973
24		3973		0	50219	1016	770	0		3973
25		3973		0	31970	0	489	0		3973
26		3973		0	32520	0	557	0		3973
27		3973		0	34285	0	588	0		3973
28		3973		0	40398	0	662	0		3973
29		3973		0	31970	0	433	0		3973
30		3973		0	36874	0	481	0		3973
31		3973		0	61394	16631	526	0		3973
32		3973		0	36402	4998	686	46427		3973
33		3973		0	61394	29424	668	40128		3973
34		3973		0	61393	31080	495	250811		3973
35		3973		0	61394	29424	630	28454		3973
36		3973		0	61389	29460	658	151942		3973
37		3973		0	61394	29424	528	39888		3973
38		3973		0	61394	29424	769	98950		3973
39		3973		0	61392	29664	636	124801		3973
40		3973		0	61394	29424	581	152575		3973
41		3973		0	61390	28692	742	0		3973
42		3973		0	61393	31008	528	210777		3973
43		3973		0	61395	26520	734	5698		3973
44		3973		0	61388	20604	640	0		3973
45		3973		0	52437	8958	932	0		3973
46		3973		0	31970	0	664	0		3973
47		3973		0	61390	29472	649	20260		3973
48		3973		0	61392	32568	627	379231		3973
49		3973		0	61392	26544	882	0		3973
50		3973		0	61389	16968	896	0		3973
PERIOD TOTALS				0	2556516	595393	28105	1779946		
PERIOD AVERAGES				0	51130	11907	562	35598		

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 3 PEARSN L

YEAR	START	STRG	UNREG	FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING	STRG
1		3000		0	43230	0	295	0		3000
2		3000		0	44857	0	175	0		3000
3		3000		0	44894	0	239	0		3000
4		3000		0	41577	0	383	0		3000
5		3000		0	44894	0	289	0		3000
6		3000		0	44894	0	364	0		3000
7		3000		0	29345	0	242	0		3000
8		3000		0	21015	0	440	0		3000
9		3000		0	34981	0	416	0		3000
10		3000		0	21327	0	234	0		3000
11		3000		0	33295	0	434	0		2963
12		2963		0	34040	7449	254	0		0
13		0		0	33083	6746	230	0		3000
14		3000		0	31666	10965	216	0		3000
15		3000		0	37503	18752	218	0		0
16		0		0	37087	21056	75	0		0
17		0		0	39413	34330	0	0		0
18		0		0	20400	1275	197	0		3000
19		3000		0	45685	0	169	0		3000
20		3000		0	44894	0	261	0		3000
21		3000		0	44894	0	258	0		3000
22		3000		0	44894	0	255	0		3000
23		3000		0	49826	13517	400	0		3000
24		3000		0	38649	1016	385	0		3000
25		3000		0	20400	0	321	0		3000
26		3000		0	20950	0	280	0		3000
27		3000		0	22715	0	294	0		3000
28		3000		0	28828	0	331	0		3000
29		3000		0	20400	0	217	0		3000
30		3000		0	25304	0	241	0		3000
31		3000		0	49824	16631	263	0		3000
32		3000		0	24832	4998	343	0		3000
33		3000		0	49824	29424	334	0		3000
34		3000		0	49823	31080	248	0		3000
35		3000		0	49824	29424	315	0		3000
36		3000		0	49819	29460	329	0		3000
37		3000		0	49824	29424	264	0		3000
38		3000		0	49824	29424	385	0		3000
39		3000		0	49822	29664	318	0		3000
40		3000		0	49824	29424	291	0		3000
41		3000		0	49820	28692	371	0		3000
42		3000		0	49823	31008	264	0		3000
43		3000		0	49825	26520	367	0		3000
44		3000		0	49818	20604	320	0		3000
45		3000		0	40867	8958	466	0		3000
46		3000		0	20400	0	332	0		3000
47		3000		0	49820	29472	325	0		3000
48		3000		0	49822	32568	314	0		3000
49		3000		0	49822	26544	441	0		3000
50		3000		0	49819	16968	448	0		3000
PERIOD TOTALS				0	1978016	595393	14851	0		
PERIOD AVERAGES				0	39560	11907	297	0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 4 ASR PROJ

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	26380	0	0	0	0	26380
2	26380	29820	0	0	0	0	56200
3	56200	29426	0	0	0	0	85626
4	85626	19511	0	0	0	0	105137
5	105137	29426	0	0	0	0	134563
6	134563	29426	0	0	0	0	163989
7	163989	12000	6290	0	0	0	169699
8	169699	5918	1862	0	0	0	173755
9	173755	0	8973	0	0	0	164782
10	164782	0	8973	0	0	0	155809
11	155809	0	10279	0	0	0	145530
12	145530	0	13747	0	0	0	131783
13	131783	0	14497	0	0	0	117286
14	117286	0	14139	0	0	0	103147
15	103147	0	14184	0	0	0	88963
16	88963	0	14971	0	0	0	73992
17	73992	0	14971	0	0	0	59021
18	59021	3000	10081	0	0	0	51940
19	51940	31043	0	0	0	0	82983
20	82983	29426	0	0	0	0	112409
21	112409	29426	0	0	0	0	141835
22	141835	29426	0	0	0	0	171261
23	171261	3739	0	13517	0	0	175000
24	175000	0	8356	1016	0	0	166644
25	166644	0	10860	0	0	0	155784
26	155784	0	8973	0	0	0	146811
27	146811	0	8973	0	0	0	137838
28	137838	0	8973	0	0	0	128865
29	128865	27000	1847	0	0	0	154018
30	154018	12000	6551	0	0	0	159467
31	159467	15533	0	16631	0	0	175000
32	175000	5035	5035	4998	0	0	175000
33	175000	0	0	29424	0	0	175000
34	175000	0	0	31080	0	0	175000
35	175000	0	0	29424	0	0	175000
36	175000	0	0	29460	0	0	175000
37	175000	0	0	29424	0	0	175000
38	175000	0	0	29424	0	0	175000
39	175000	0	0	29664	0	0	175000
40	175000	0	0	29424	0	0	175000
41	175000	0	0	28692	0	0	175000
42	175000	0	0	31008	0	0	175000
43	175000	0	0	26520	0	0	175000
44	175000	0	0	20604	0	0	175000
45	175000	0	4778	8958	0	0	170222
46	170222	5955	1177	0	0	0	175000
47	175000	0	0	29472	0	0	175000
48	175000	0	0	32568	0	0	175000
49	175000	0	0	26544	0	0	175000
50	175000	0	0	16968	0	0	175000
PERIOD TOTALS		373490	198490	494820	0	0	
PERIOD AVERAGES		7469	3969	9896	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 5 GROUNDWT

YEAR	START	STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1		4000	0	0	0	0	0	4000
2		4000	0	0	0	0	0	4000
3		4000	0	0	0	0	0	4000
4		4000	0	0	0	0	0	4000
5		4000	0	0	0	0	0	4000
6		4000	0	0	0	0	0	4000
7		4000	0	0	0	0	0	4000
8		4000	0	0	0	0	0	4000
9		4000	0	0	0	0	0	4000
10		4000	0	0	0	0	0	4000
11		4000	0	0	0	0	0	4000
12		4000	0	0	0	0	0	4000
13		4000	0	0	0	0	0	4000
14		4000	0	0	0	0	0	4000
15		4000	0	0	0	0	0	4000
16		4000	0	0	0	0	0	4000
17		4000	0	0	0	0	0	4000
18		4000	0	0	0	0	0	4000
19		4000	0	0	0	0	0	4000
20		4000	0	0	0	0	0	4000
21		4000	0	0	0	0	0	4000
22		4000	0	0	0	0	0	4000
23		4000	0	0	0	0	0	4000
24		4000	0	0	0	0	0	4000
25		4000	0	0	0	0	0	4000
26		4000	0	0	0	0	0	4000
27		4000	0	0	0	0	0	4000
28		4000	0	0	0	0	0	4000
29		4000	0	0	0	0	0	4000
30		4000	0	0	0	0	0	4000
31		4000	0	0	0	0	0	4000
32		4000	0	0	0	0	0	4000
33		4000	0	0	0	0	0	4000
34		4000	0	0	0	0	0	4000
35		4000	0	0	0	0	0	4000
36		4000	0	0	0	0	0	4000
37		4000	0	0	0	0	0	4000
38		4000	0	0	0	0	0	4000
39		4000	0	0	0	0	0	4000
40		4000	0	0	0	0	0	4000
41		4000	0	0	0	0	0	4000
42		4000	0	0	0	0	0	4000
43		4000	0	0	0	0	0	4000
44		4000	0	0	0	0	0	4000
45		4000	0	0	0	0	0	4000
46		4000	0	0	0	0	0	4000
47		4000	0	0	0	0	0	4000
48		4000	0	0	0	0	0	4000
49		4000	0	0	0	0	0	4000
50		4000	0	0	0	0	0	4000
PERIOD TOTALS			0	0	0	0	0	
PERIOD AVERAGES			0	0	0	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 6 BANDCO R

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	88206	2068	0	0	0	0
2	0	280700	2068	0	0	0	0
3	0	129781	2068	0	0	0	0
4	0	52471	2068	0	0	0	0
5	0	135945	2068	0	0	0	0
6	0	132321	2068	0	0	0	0
7	0	93033	2068	0	0	0	0
8	0	100863	2068	0	0	0	0
9	0	28201	2068	0	0	0	0
10	0	99238	2068	0	0	0	0
11	0	36968	2068	0	0	0	0
12	0	33095	2068	0	0	0	0
13	0	38081	2068	144	0	0	0
14	0	45448	2068	61	0	0	0
15	0	15085	2068	179	0	0	0
16	0	17246	2068	0	0	0	0
17	0	5140	2068	378	0	0	0
18	0	196689	2068	56	0	0	0
19	0	373403	2068	0	0	0	0
20	0	122193	2068	0	0	0	0
21	0	149458	2068	0	0	0	0
22	0	151894	2068	0	0	0	0
23	0	31876	2068	20	0	0	0
24	0	14396	2068	0	0	0	0
25	0	104311	2068	0	0	0	0
26	0	101197	2068	0	0	0	0
27	0	92017	2068	0	0	0	0
28	0	60202	2068	0	0	0	0
29	0	200136	2068	0	0	0	0
30	0	111118	2068	0	0	0	0
31	0	111168	2068	0	0	0	0
32	0	293824	2068	0	0	0	0
33	0	151925	2068	0	0	0	0
34	0	376657	2068	0	0	0	0
35	0	149540	2068	0	0	0	0
36	0	254094	2068	0	0	0	0
37	0	176836	2068	0	0	0	0
38	0	196868	2068	0	0	0	0
39	0	269262	2068	0	0	0	0
40	0	246755	2068	0	0	0	0
41	0	100276	2068	0	0	0	0
42	0	370983	2068	0	0	0	0
43	0	88939	2068	0	0	0	0
44	0	58203	2068	0	0	0	0
45	0	44188	2068	0	0	0	0
46	0	164261	2068	0	0	0	0
47	0	254878	2068	0	0	0	0
48	0	489532	2068	0	0	0	0
49	0	89087	2068	0	0	0	0
50	0	39287	2068	0	0	0	0
PERIOD TOTALS		6967275	103400	838	0	0	
PERIOD AVERAGES		139345	2068	16	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 7 DIV LEAK

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	12588	0	0	0	0
2	0	0	12588	0	0	0	0
3	0	0	12588	0	0	0	0
4	0	0	12588	0	0	0	0
5	0	0	12588	0	0	0	0
6	0	0	12588	0	0	0	0
7	0	0	12588	0	0	0	0
8	0	0	12588	0	0	0	0
9	0	0	12588	0	0	0	0
10	0	0	12588	0	0	0	0
11	0	0	10490	0	0	0	0
12	0	0	2100	0	0	0	0
13	0	0	1049	0	0	0	0
14	0	0	3147	0	0	0	0
15	0	0	3147	0	0	0	0
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	8686	0	0	0	0
19	0	0	12588	0	0	0	0
20	0	0	12588	0	0	0	0
21	0	0	12588	0	0	0	0
22	0	0	12588	0	0	0	0
23	0	0	12588	0	0	0	0
24	0	0	12588	0	0	0	0
25	0	0	10490	0	0	0	0
26	0	0	12588	0	0	0	0
27	0	0	12588	0	0	0	0
28	0	0	12588	0	0	0	0
29	0	0	12588	0	0	0	0
30	0	0	12588	0	0	0	0
31	0	0	12588	0	0	0	0
32	0	0	12588	0	0	0	0
33	0	0	12588	0	0	0	0
34	0	0	12588	0	0	0	0
35	0	0	12588	0	0	0	0
36	0	0	12588	0	0	0	0
37	0	0	12588	0	0	0	0
38	0	0	12588	0	0	0	0
39	0	0	12588	0	0	0	0
40	0	0	12588	0	0	0	0
41	0	0	12588	0	0	0	0
42	0	0	12588	0	0	0	0
43	0	0	12588	0	0	0	0
44	0	0	12588	0	0	0	0
45	0	0	12588	0	0	0	0
46	0	0	12588	0	0	0	0
47	0	0	12588	0	0	0	0
48	0	0	12588	0	0	0	0
49	0	0	12588	0	0	0	0
50	0	0	12588	0	0	0	0
PERIOD TOTALS			0	555217	0	0	0
PERIOD AVERAGES			0	11104	0	0	0

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 8 BMWA1995

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	5998	0	0	0	0
2	0	0	5998	0	0	0	0
3	0	0	5998	0	0	0	0
4	0	0	5998	0	0	0	0
5	0	0	5998	0	0	0	0
6	0	0	5998	0	0	0	0
7	0	0	5998	0	0	0	0
8	0	0	5998	0	0	0	0
9	0	0	5998	0	0	0	0
10	0	0	5998	0	0	0	0
11	0	0	5998	0	0	0	0
12	0	0	5998	0	0	0	0
13	0	0	5998	0	0	0	0
14	0	0	5998	0	0	0	0
15	0	0	5998	0	0	0	0
16	0	0	5998	0	0	0	0
17	0	0	5998	0	0	0	0
18	0	0	5998	0	0	0	0
19	0	0	5998	0	0	0	0
20	0	0	5998	0	0	0	0
21	0	0	5998	0	0	0	0
22	0	0	5998	0	0	0	0
23	0	0	5998	0	0	0	0
24	0	0	5998	0	0	0	0
25	0	0	5998	0	0	0	0
26	0	0	5998	0	0	0	0
27	0	0	5998	0	0	0	0
28	0	0	5998	0	0	0	0
29	0	0	5998	0	0	0	0
30	0	0	5998	0	0	0	0
31	0	0	5998	0	0	0	0
32	0	0	5998	0	0	0	0
33	0	0	5998	0	0	0	0
34	0	0	5998	0	0	0	0
35	0	0	5998	0	0	0	0
36	0	0	5998	0	0	0	0
37	0	0	5998	0	0	0	0
38	0	0	5998	0	0	0	0
39	0	0	5998	0	0	0	0
40	0	0	5998	0	0	0	0
41	0	0	5998	0	0	0	0
42	0	0	5998	0	0	0	0
43	0	0	5998	0	0	0	0
44	0	0	5998	0	0	0	0
45	0	0	5998	0	0	0	0
46	0	0	5998	0	0	0	0
47	0	0	5998	0	0	0	0
48	0	0	5998	0	0	0	0
49	0	0	5998	0	0	0	0
50	0	0	5998	0	0	0	0
PERIOD TOTALS			0	299900	0	0	0
PERIOD AVERAGES			0	5998	0	0	0

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 9 BMWA1991

YEAR	START	STRG	UNREG	FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM	LOSS	ENDING	STRG
1		0		0	5572	0	0		0		0
2		0		0	5572	0	0		0		0
3		0		0	5572	0	0		0		0
4		0		0	5572	0	0		0		0
5		0		0	5572	0	0		0		0
6		0		0	5572	0	0		0		0
7		0		0	5572	0	0		0		0
8		0		0	5572	0	0		0		0
9		0		0	5572	0	0		0		0
10		0		0	5572	0	0		0		0
11		0		0	5572	0	0		0		0
12		0		0	5572	0	0		0		0
13		0		0	5572	0	0		0		0
14		0		0	5572	0	0		0		0
15		0		0	5572	0	0		0		0
16		0		0	5572	0	0		0		0
17		0		0	5572	0	0		0		0
18		0		0	5572	0	0		0		0
19		0		0	5572	0	0		0		0
20		0		0	5572	0	0		0		0
21		0		0	5572	0	0		0		0
22		0		0	5572	0	0		0		0
23		0		0	5572	0	0		0		0
24		0		0	5572	0	0		0		0
25		0		0	5572	0	0		0		0
26		0		0	5572	0	0		0		0
27		0		0	5572	0	0		0		0
28		0		0	5572	0	0		0		0
29		0		0	5572	0	0		0		0
30		0		0	5572	0	0		0		0
31		0		0	5572	0	0		0		0
32		0		0	5572	0	0		0		0
33		0		0	5572	0	0		0		0
34		0		0	5572	0	0		0		0
35		0		0	5572	0	0		0		0
36		0		0	5572	0	0		0		0
37		0		0	5572	0	0		0		0
38		0		0	5572	0	0		0		0
39		0		0	5572	0	0		0		0
40		0		0	5572	0	0		0		0
41		0		0	5572	0	0		0		0
42		0		0	5572	0	0		0		0
43		0		0	5572	0	0		0		0
44		0		0	5572	0	0		0		0
45		0		0	5572	0	0		0		0
46		0		0	5572	0	0		0		0
47		0		0	5572	0	0		0		0
48		0		0	5572	0	0		0		0
49		0		0	5572	0	0		0		0
50		0		0	5572	0	0		0		0
PERIOD TOTALS				0	278600	0	0		0		
PERIOD AVERAGES				0	5572	0	0		0		

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 10 BMA IRRI

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	20047	0	0	0	0
2	0	0	16606	0	0	0	0
3	0	0	16999	0	0	0	0
4	0	0	26915	0	0	0	0
5	0	0	16999	0	0	0	0
6	0	0	16999	0	0	0	0
7	0	0	19119	0	0	0	0
8	0	0	17614	0	0	0	0
9	0	0	31580	0	0	0	0
10	0	0	17926	0	0	0	0
11	0	0	29894	0	0	0	0
12	0	0	30639	7449	0	0	0
13	0	0	29682	6746	0	0	0
14	0	0	28265	10965	0	0	0
15	0	0	34102	18752	0	0	0
16	0	0	33686	21056	0	0	0
17	0	0	36012	34330	0	0	0
18	0	0	16999	1275	0	0	0
19	0	0	15381	0	0	0	0
20	0	0	16999	0	0	0	0
21	0	0	16999	0	0	0	0
22	0	0	16999	0	0	0	0
23	0	0	30873	0	0	0	0
24	0	0	34232	0	0	0	0
25	0	0	16999	0	0	0	0
26	0	0	17549	0	0	0	0
27	0	0	19314	0	0	0	0
28	0	0	25427	0	0	0	0
29	0	0	16999	0	0	0	0
30	0	0	16999	0	0	0	0
31	0	0	16999	0	0	0	0
32	0	0	16433	0	0	0	0
33	0	0	16999	0	0	0	0
34	0	0	15342	0	0	0	0
35	0	0	16999	0	0	0	0
36	0	0	16958	0	0	0	0
37	0	0	16999	0	0	0	0
38	0	0	16999	0	0	0	0
39	0	0	16757	0	0	0	0
40	0	0	16999	0	0	0	0
41	0	0	17727	0	0	0	0
42	0	0	15414	0	0	0	0
43	0	0	19904	0	0	0	0
44	0	0	25813	0	0	0	0
45	0	0	28508	0	0	0	0
46	0	0	16999	0	0	0	0
47	0	0	16947	0	0	0	0
48	0	0	13853	0	0	0	0
49	0	0	19877	0	0	0	0
50	0	0	29450	0	0	0	0
PERIOD TOTALS		0	1056829	100573	0	0	
PERIOD AVERAGES		0	21136	2011	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 11 MEDINACO

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	3401	0	0	0	0
2	0	0	3401	0	0	0	0
3	0	0	3401	0	0	0	0
4	0	0	3401	0	0	0	0
5	0	0	3401	0	0	0	0
6	0	0	3401	0	0	0	0
7	0	0	3401	0	0	0	0
8	0	0	3401	0	0	0	0
9	0	0	3401	0	0	0	0
10	0	0	3401	0	0	0	0
11	0	0	3401	0	0	0	0
12	0	0	3401	0	0	0	0
13	0	0	3401	0	0	0	0
14	0	0	3401	0	0	0	0
15	0	0	3401	0	0	0	0
16	0	0	3401	0	0	0	0
17	0	0	3401	0	0	0	0
18	0	0	3401	0	0	0	0
19	0	0	3401	0	0	0	0
20	0	0	3401	0	0	0	0
21	0	0	3401	0	0	0	0
22	0	0	3401	0	0	0	0
23	0	0	3401	0	0	0	0
24	0	0	3401	0	0	0	0
25	0	0	3401	0	0	0	0
26	0	0	3401	0	0	0	0
27	0	0	3401	0	0	0	0
28	0	0	3401	0	0	0	0
29	0	0	3401	0	0	0	0
30	0	0	3401	0	0	0	0
31	0	0	3401	0	0	0	0
32	0	0	3401	0	0	0	0
33	0	0	3401	0	0	0	0
34	0	0	3401	0	0	0	0
35	0	0	3401	0	0	0	0
36	0	0	3401	0	0	0	0
37	0	0	3401	0	0	0	0
38	0	0	3401	0	0	0	0
39	0	0	3401	0	0	0	0
40	0	0	3401	0	0	0	0
41	0	0	3401	0	0	0	0
42	0	0	3401	0	0	0	0
43	0	0	3401	0	0	0	0
44	0	0	3401	0	0	0	0
45	0	0	3401	0	0	0	0
46	0	0	3401	0	0	0	0
47	0	0	3401	0	0	0	0
48	0	0	3401	0	0	0	0
49	0	0	3401	0	0	0	0
50	0	0	3401	0	0	0	0
PERIOD TOTALS		0	170050	0	0	0	
PERIOD AVERAGES		0	3401	0	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON L & ASR

SIMULATION PERIOD TOTAL SUMMARY BY NODE 12 BANDCO L

YEAR	START STRG	UNREG FLOW	DEMANDS	SHORTAGES	EVAPORATION	SYSTEM LOSS	ENDING STRG
1	0	0	3102	0	0	0	0
2	0	0	3102	0	0	0	0
3	0	0	3102	0	0	0	0
4	0	0	3102	0	0	0	0
5	0	0	3102	0	0	0	0
6	0	0	3102	0	0	0	0
7	0	0	3102	0	0	0	0
8	0	0	3102	0	0	0	0
9	0	0	3102	0	0	0	0
10	0	0	3102	0	0	0	0
11	0	0	3102	0	0	0	0
12	0	0	3102	323	0	0	0
13	0	0	3102	378	0	0	0
14	0	0	3102	279	0	0	0
15	0	0	3102	1344	0	0	0
16	0	0	3102	629	0	0	0
17	0	0	3102	1334	0	0	0
18	0	0	3102	371	0	0	0
19	0	0	3102	0	0	0	0
20	0	0	3102	0	0	0	0
21	0	0	3102	0	0	0	0
22	0	0	3102	0	0	0	0
23	0	0	3102	0	0	0	0
24	0	0	3102	0	0	0	0
25	0	0	3102	0	0	0	0
26	0	0	3102	0	0	0	0
27	0	0	3102	0	0	0	0
28	0	0	3102	0	0	0	0
29	0	0	3102	0	0	0	0
30	0	0	3102	0	0	0	0
31	0	0	3102	0	0	0	0
32	0	0	3102	0	0	0	0
33	0	0	3102	0	0	0	0
34	0	0	3102	0	0	0	0
35	0	0	3102	0	0	0	0
36	0	0	3102	0	0	0	0
37	0	0	3102	0	0	0	0
38	0	0	3102	0	0	0	0
39	0	0	3102	0	0	0	0
40	0	0	3102	0	0	0	0
41	0	0	3102	0	0	0	0
42	0	0	3102	0	0	0	0
43	0	0	3102	0	0	0	0
44	0	0	3102	0	0	0	0
45	0	0	3102	0	0	0	0
46	0	0	3102	0	0	0	0
47	0	0	3102	0	0	0	0
48	0	0	3102	0	0	0	0
49	0	0	3102	0	0	0	0
50	0	0	3102	0	0	0	0
PERIOD TOTALS		0	155100	4658	0	0	
PERIOD AVERAGES		0	3102	93	0	0	