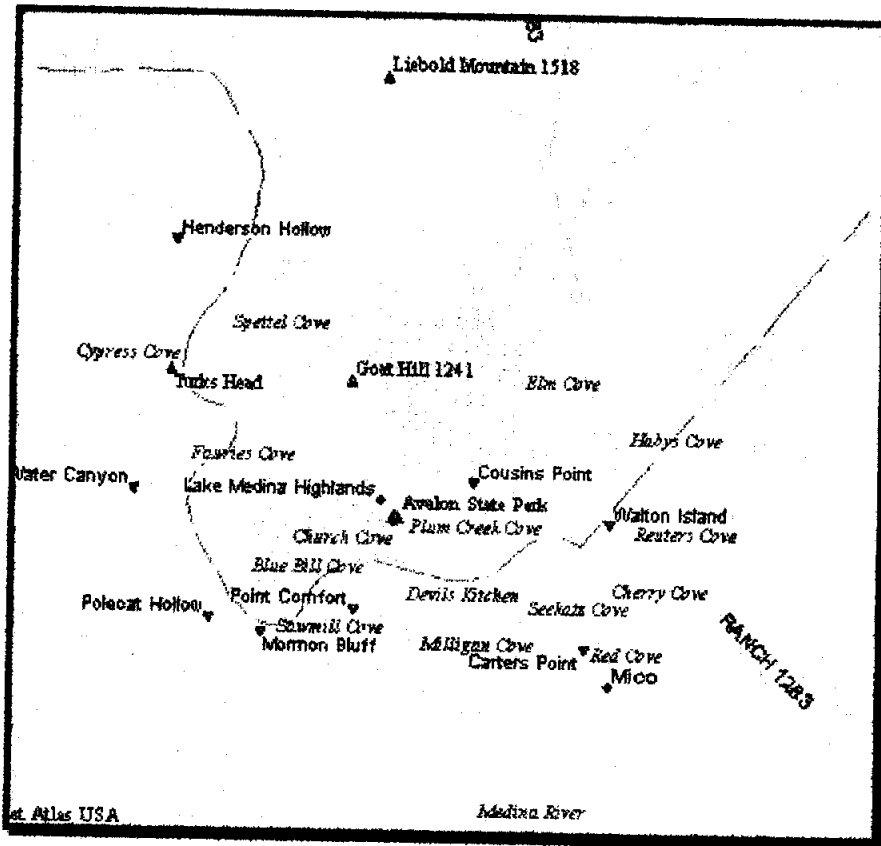


MEDINA COUNTY REGIONAL WATER PLAN

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.

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

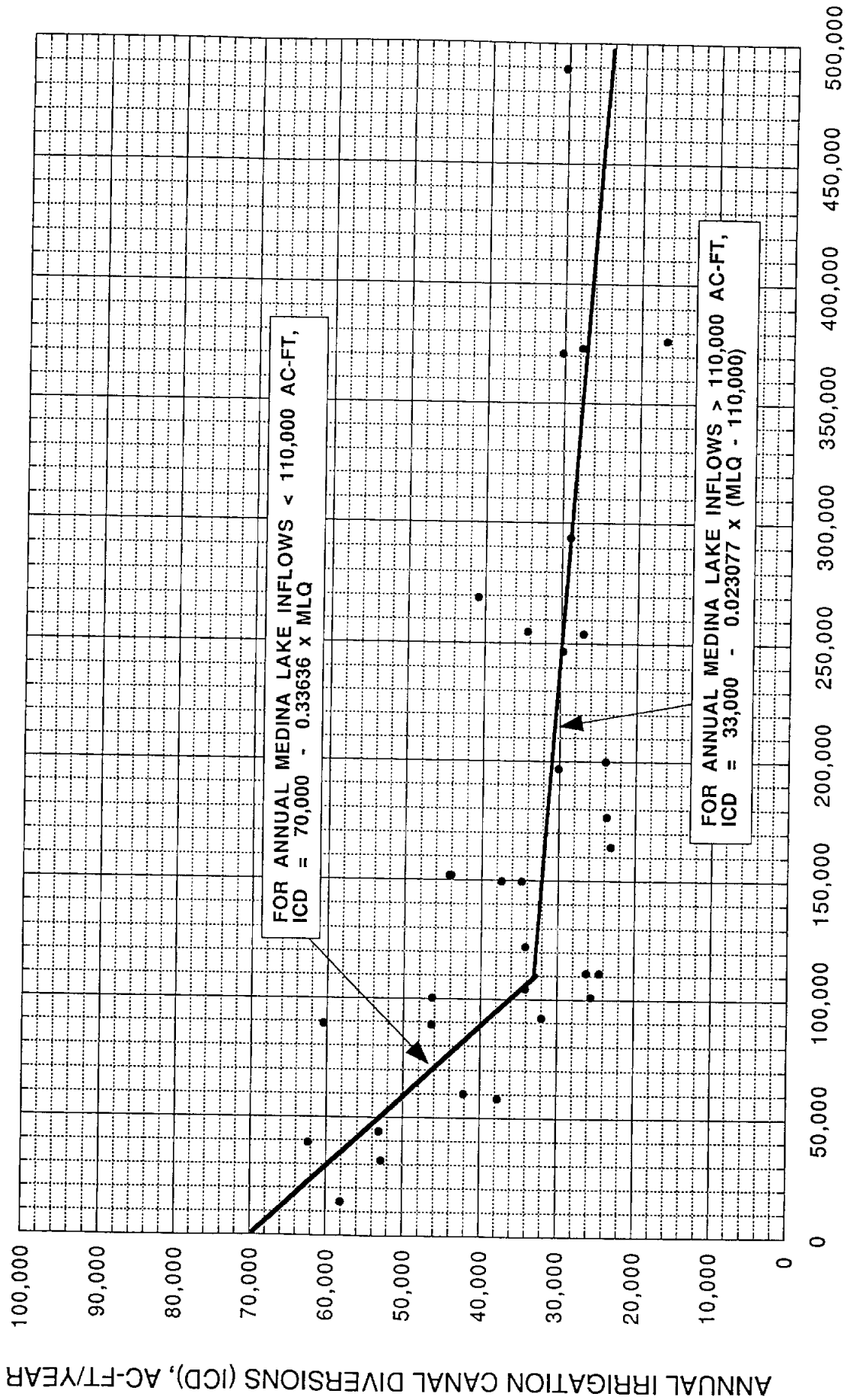


FIGURE 3

IRRIGATION DIVERSIONS VS. MEDINA LAKE INFLOWS

RJBCO / 7-5-97

YEAR	(1)			DEVIATION OF CALCULATED IRR. DEMANDS FROM ACTUAL	(2)		(3)
	ACTUAL HISTORICAL IRRIGATION CANAL DIVERSIONS	HISTORICAL INFLOWS TO MEDINA LAKE	CALCULATED HISTORICAL IRRIGATION DEMANDS W/O CONSERV		CALCULATED HISTORICAL IRRIGATION DEMANDS W/ CONSERV	CALCULATED HISTORICAL IRRIGATION DEMANDS W/ CONSERV W/ PEARSON L	
	[ICD] AC-FT	[MLQ] AC-FT	[ICDC] 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)

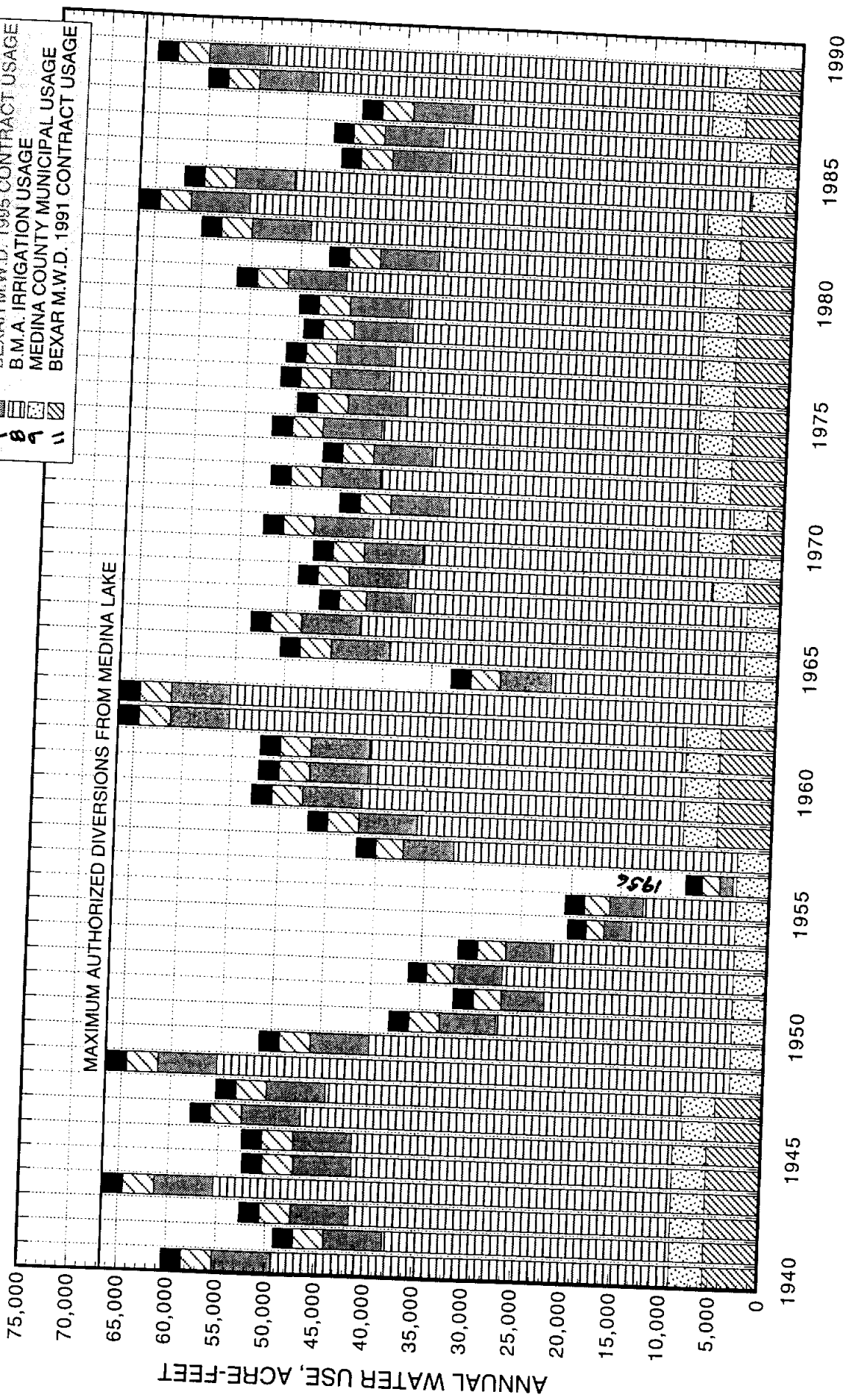
3) If $(ICDCWC - 3,000) < 17,000$, $ICDCWCP = \min(ICDCWC \text{ or } 17,000)$; If $(ICDCWC - 3,000) > 17,000$, $ICDCWCP = ICDCWC - 3$

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

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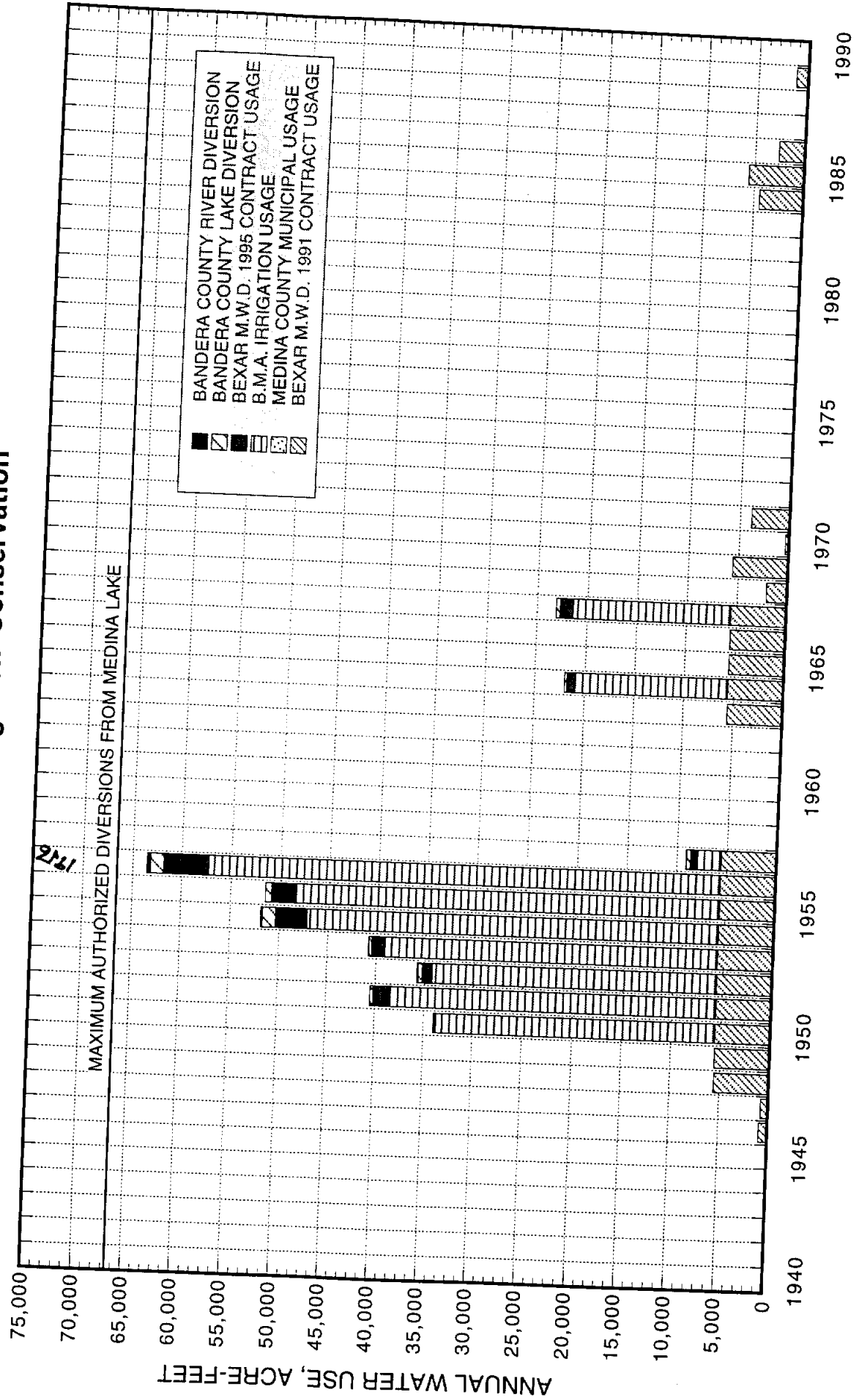
- BANDERA COUNTY RIVER DIVERSION
- ▨ BANDERA COUNTY LAKE DIVERSION
- ▩ BEXAR M.W.D. 1995 CONTRACT USAGE
- ▧ B.M.A. IRRIGATION USAGE
- ▦ MEDINA COUNTY MUNICIPAL USAGE
- ▤ BEXAR M.W.D. 1991 CONTRACT USAGE



ANNUAL WATER USE, ACRE-FEET

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% thru .0%	10.1% thru 10.0%	20.1% thru 20.0%	30.1% thru 30.0%	40.1% thru 40.0%	50.1% thru 50.0%	60.1% thru 60.0%	70.1% thru 70.0%	80.1% thru 80.0%	90.1% thru 90.0%	100.1% thru 100.0%			
6	BANDCO R	2068	588.	0.	2.	3.	4.	0.	0.	2.	0.	2.	0.	1.	0.	12.
8	BMWA1995	6000	561.	1.	1.	1.	0.	1.	1.	3.	2.	1.	1.	28.	39.	
9	BMWA1991	5574	360.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	240.	240.	
10	BMA IRRI	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.	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% thru .0%	10.1% thru 10.0%	20.1% thru 20.0%	30.1% thru 30.0%	40.1% thru 40.0%	50.1% thru 50.0%	60.1% thru 60.0%	70.1% thru 70.0%	80.1% thru 80.0%	90.1% thru 90.0%	100.1% thru 100.0%			
6	BANDCO R	2068	98.0	.0	.3	.5	.7	.0	.0	.3	.0	.2	.0	.2	2.0	
8	BMWA1995	6000	93.5	.2	.2	.2	.0	.2	.2	.5	.3	.2	.2	4.7	6.5	
9	BMWA1991	5574	60.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40.0	40.0	
10	BMA IRRI	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	.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 - BMBWOC - 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	0
15	2988	0	70071	51707	23	0	2988
16	0	0	70071	51492	0	0	0
17	0	0	70071	63220	0	0	0
18	0	0	49072	9055	4589	0	0
19	109503	0	44995	0	9399	0	109503
20	254000	0	50793	0	14116	0	254000
21	241189	0	50160	0	13276	0	241189
22	253999	0	50106	0	13776	0	253999
23	217094	0	64499	0	15916	0	217094
24	105504	0	70071	5572	6242	0	105504
25	0	0	52987	22002	1172	0	0
26	52479	0	54034	5572	5884	0	52479
27	46883	0	57123	5572	3875	0	46883
28	34673	0	67824	23144	1214	0	34673
29	18405	0	48993	2086	7563	0	18405
30	107306	0	51048	5572	6101	0	107306
31	110532	0	51046	387	8984	0	110532
32	102480	0	46830	3858	9959	0	102480
33	254000	0	50104	0	18317	0	254000
34	236226	0	44919	0	13554	0	236226
35	254000	0	50159	0	17255	0	254000
36	254000	0	47748	0	18103	0	254000
37	229968	0	49531	0	13918	0	229968
38	254000	0	49069	0	20739	0	254000
39	220646	0	47399	0	15420	0	220646
40	254000	0	47917	0	15858	0	254000
41	224350	0	54345	0	16531	0	224350
42	188815	0	45049	0	14407	0	188815
43	254000	0	58155	0	19409	0	254000
44	197734	0	64499	0	12468	0	197734
45	116314	0	64499	4425	10537	0	116314
46	35607	0	49823	5572	9099	0	35607
47	90848	0	47730	2605	9815	0	90848
48	232058	0	42315	0	17356	0	232058
49	243482	0	58107	0	21881	0	243482
50	185863	0	64499	1213	15879	0	185863
PERIOD TOTALS		0	2793321	426909	517798	0	
PERIOD AVERAGES		0	55866	8538	10355	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMA/BMOC - 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	0
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	3973
25	2549	0	49885	21813	187	0	2949
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 PEARSON 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	34397	0	0	0	0
38	0	0	34859	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	0	2059721	292980	0	0	0
PERIOD AVERAGES	0	0	41194	5859	0	0	0

BWA/MEDINA CO REGIONAL WATER STUDY - EMABWOC - 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	0	0
PERIOD AVERAGES	0	0	0	0	0	0	0

EMA/MEDINA CO REGIONAL WATER STUDY - BNAWOC - 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
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	1685	2315	0	0	0	0	1685
13	1208	2792	0	0	0	0	1208
14	1702	2298	0	0	0	0	1702
15	1880	2120	0	0	0	0	1880
16	1045	2955	0	0	0	0	1045
17	599	3401	0	0	0	0	599
18	599	3401	0	0	0	0	599
19	3554	446	0	0	0	0	3554
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	2627	1373	0	0	0	0	2627
27	4000	0	0	0	0	0	4000
28	4000	0	0	0	0	0	4000
29	2919	1081	0	0	0	0	2919
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		22182	0	0	0	0	
PERIOD AVERAGES		443	0	0	0	0	

BMA/MEDINA CO REGIONAL WATER STUDY - BMBWOC - 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	0
PERIOD AVERAGES		139345	2068	16			

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	12588	0	0	0	0
11	0	0	12086	0	0	0	0
12	0	0	4196	0	0	0	0
13	0	0	1049	0	0	0	0
14	0	0	1049	0	0	0	0
15	0	0	3147	0	0	0	0
16	0	0	1548	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	9441	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	0	535374	0	0	0	0
PERIOD AVERAGES	0	0	10707	0	0	0	0

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

SIMULATION PERIOD TOTAL SUMMARY BY NODE 8 ENWA1995

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	0	299900	17678	0	0	0
PERIOD AVERAGES	0	0	5998	353	0	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	0	0	0	0
8	0	0	5572	941	0	0	0
9	0	0	5572	773	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	5572	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	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	5572	0	0	0
30	0	0	5572	2086	0	0	0
31	0	0	5572	5572	0	0	0
32	0	0	5572	387	0	0	0
33	0	0	5572	3858	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	4425	0	0	0
47	0	0	5572	5572	0	0	0
48	0	0	5572	2605	0	0	0
49	0	0	5572	0	0	0	0
50	0	0	5572	0	0	0	0
PERIOD TOTALS	0	0	278600	111012	0	0	0
PERIOD AVERAGES	0	0	5572	2220	0	0	0

BMA/MEDINA CO REGIONAL WATER STUDY - BMBWOC - 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	0	0	0	0
29	0	0	30920	15832	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	0	1889671	292980	0	0	0
PERIOD AVERAGES	0	0	37793	5859	0	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	0	170050	0	0	0	0
PERIOD AVERAGES			3401				

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

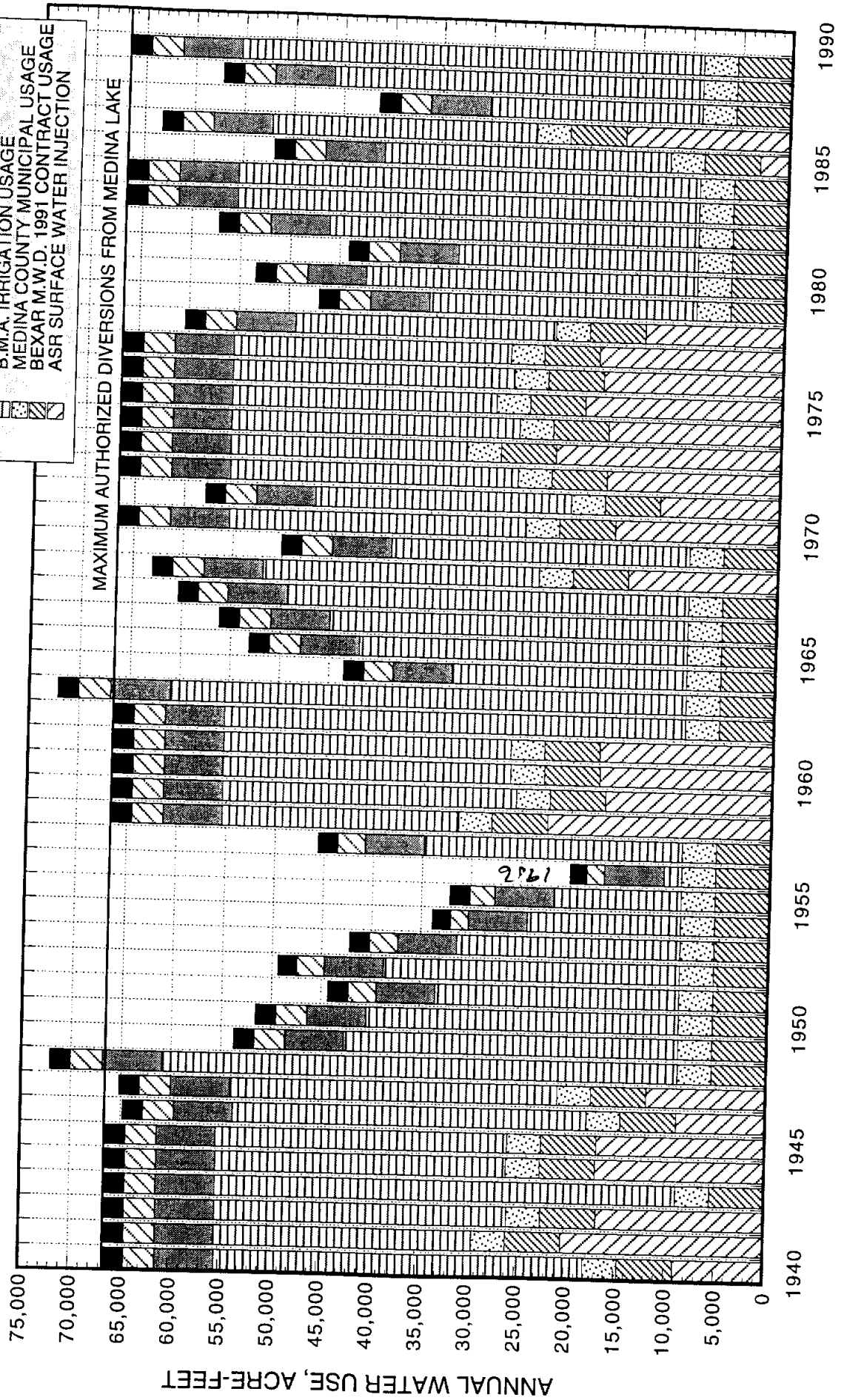
SIMULATION PERIOD TOTAL SUMMARY BY NODE 12 BANDCO L

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	0	0	0	0
13	0	0	3102	323	0	0	0
14	0	0	3102	378	0	0	0
15	0	0	3102	279	0	0	0
16	0	0	3102	1344	0	0	0
17	0	0	3102	629	0	0	0
18	0	0	3102	1334	0	0	0
19	0	0	3102	371	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	189	0	0	0
27	0	0	3102	0	0	0	0
28	0	0	3102	0	0	0	0
29	0	0	3102	392	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	155100	0		5239	0	0	0
PERIOD AVERAGES	3102	0		104	0	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 USE, ACRE-FEET

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% thru .1%	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	0.	2.	3.	4.	0.	0.	2.	0.	2.	0.	1.	0.	12.
8	BMWA1995	6000	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	BMWA1991	5574	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	BMA IRRI	32000	2.	1.	1.	6.	3.	2.	6.	3.	9.	35.	68.		
11	MEDINACO	3400	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	BANDCO L	3102	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% thru .1%	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	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

EMA/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	0
PERIOD AVERAGES		0	59009	7167	10096	0	0

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

SIMULATION PERIOD TOTAL SUMMARY BY NODE 2 DIRVSN 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							1447255
PERIOD AVERAGES							28945
PERIOD TOTALS							26695
PERIOD AVERAGES							533
PERIOD TOTALS							353408
PERIOD AVERAGES							7068
PERIOD TOTALS							2795384
PERIOD AVERAGES							55907

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

SIMULATION PERIOD TOTAL SUMMARY BY NODE 3 PEARSON 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	3000
10	1113	0	37020	0	234	0	1113
11	3000	0	55399	20568	184	0	3000
12	0	0	55399	27498	108	0	0
13	0	0	55399	22174	144	0	0
14	710	0	55113	29303	132	0	710
15	3000	0	55399	36671	165	0	3000
16	0	0	55399	39293	0	0	0
17	0	0	55399	50316	0	0	0
18	0	0	31402	2100	197	0	0
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	47603
34	47603	18431	0	0	0	0	64997
35	64997	22580	0	0	0	0	87577
36	87577	17338	0	0	0	0	104915
37	104915	19751	0	0	0	0	124666
38	124666	17968	0	0	0	0	142634
39	142634	18431	0	0	0	0	161065
40	161065	13935	0	11725	0	0	175000
41	175000	0	0	19572	0	0	175000
42	175000	0	0	13152	0	0	175000
43	175000	0	0	22440	0	0	175000
44	175000	0	0	9336	0	0	175000
45	175000	0	0	0	0	0	175000
46	175000	0	7126	0	0	0	175000
47	167874	3000	8137	0	0	0	167874
48	162737	16458	4195	0	0	0	162737
49	175000	0	0	25176	0	0	175000
50	175000	0	0	9384	0	0	175000
			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
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							
PERIOD AVERAGES							
	0	0	0	0	0	0	0
	0	0	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	254870	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	0	0
PERIOD AVERAGES	139345	2068	16	0	0	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
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	10490	0	0	0	0
10	0	0	10490	0	0	0	0
11	0	0	5245	0	0	0	0
12	0	0	1049	0	0	0	0
13	0	0	1049	0	0	0	0
14	0	0	1049	0	0	0	0
15	0	0	2152	0	0	0	0
16	0	0	1834	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	8392	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	4313	0	0	0	0
26	0	0	12588	0	0	0	0
27	0	0	12588	0	0	0	0
28	0	0	9441	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	0	532799	0	0	0	0
PERIOD AVERAGES			10655				

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - W/ PEARSON L & ASR
 SIMULATION PERIOD TOTAL SUMMARY BY NODE 8 BMA1995

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	0	299900	0	0	0	0
PERIOD AVERAGES			5998				

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

SIMULATION PERIOD TOTAL SUMMARY BY NODE 9 BMMW1991

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	0	278600	0	0	0	0
PERIOD AVERAGES			5572				

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPANC - W/O CONV - 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	0	1781386	242623	0	0	0
PERIOD AVERAGES	0	0	35627	4852	0	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	0	170050	0	0	0	0
PERIOD AVERAGES	0	0	3401	0	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	0	155100	4957	0	0	0
PERIOD AVERAGES	0	0	3102	99	0	0	0

***SECTION 3
WITHOUT PEARSON LAKE AND ASR
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%	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%			
6	BANDCO R	2068	0.	2.	3.	4.	0.	0.	2.	0.	1.	0.	1.	0.	12.
8	BMWAL1995	6000	567.	1.	0.	1.	0.	0.	1.	3.	2.	1.	24.	33.	
9	BMWAL1991	5574	413.	0.	0.	0.	0.	0.	0.	0.	0.	0.	187.	187.	
10	BMA IIRRI	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%	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%			
6	BANDCO R	2068	98.0	.0	.3	.5	.7	.0	.0	.3	.0	.2	.0	2.0	
8	BMWAL1995	6000	94.5	.2	.0	.2	.0	.0	.2	.5	.3	.2	4.0	5.5	
9	BMWAL1991	5574	68.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	31.2	31.2	
10	BMA IIRRI	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	4118	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	0
15	7148	0	55173	37663	130	0	7148
16	0	0	54757	37031	0	0	0
17	0	0	57085	50234	0	0	0
18	0	0	35787	7671	0	0	0
19	120401	0	33454	0	4941	0	120401
20	254000	0	36768	0	9455	0	254000
21	249426	0	36410	0	14259	0	249426
22	253999	0	36377	0	13859	0	253999
23	225589	0	51947	0	13913	0	225589
24	124531	0	55306	4425	16953	0	124531
25	24582	0	38023	5899	8569	0	24582
26	55761	0	38623	5572	2133	0	55761
27	63409	0	40387	5572	6663	0	63409
28	62260	0	46501	5572	5674	0	62260
29	30034	0	35743	5572	3945	0	30034
30	129237	0	36914	1607	8331	0	129237
31	138757	0	36914	1576	7402	0	138757
32	140110	0	34506	1253	10674	0	140110
33	254000	0	36377	0	12391	0	254000
34	243135	0	33415	0	18438	0	243135
35	254000	0	36410	0	13681	0	254000
36	254000	0	35031	0	17369	0	254000
37	234452	0	36049	0	18166	0	234452
38	254000	0	35783	0	14260	0	254000
39	227255	0	34830	0	20906	0	227255
40	254000	0	35127	0	15841	0	254000
41	228843	0	38798	0	15936	0	228843
42	207393	0	33487	0	17284	0	207393
43	254000	0	40978	0	14539	0	254000
44	209721	0	46885	0	19739	0	209721
45	143314	0	49578	2967	13684	0	143314
46	69157	0	36215	1147	13665	0	69157
47	127461	0	35020	0	11540	0	127461
48	254000	0	31926	0	12191	0	254000
49	246359	0	40950	0	17402	0	246359
50	204480	0	50523	0	22704	0	204480
					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	0	38016	0	589	0	0	3973	
2	3973	0	0	31577	0	347	138848	0	3973	
3	3973	0	0	33569	0	477	16094	0	3973	
4	3973	0	0	44888	0	766	0	0	3973	
5	3973	0	0	33487	0	574	0	0	3973	
6	3973	0	0	33535	0	726	0	0	3973	
7	3973	0	0	37089	0	482	0	0	3973	
8	3973	0	0	35585	0	879	0	0	3973	
9	3973	0	0	49549	2349	831	0	0	3973	
10	3973	0	0	35899	5572	464	0	0	3973	
11	3973	0	0	47864	5572	868	0	0	3973	
12	3973	0	0	48610	22709	212	0	0	3973	
13	0	0	0	47652	20134	235	0	0	0	
14	697	0	0	46236	25209	157	0	697	3973	
15	3973	0	0	52071	36319	206	0	0	3973	
16	0	0	0	51655	36402	31	0	0	0	
17	0	0	0	53983	48900	0	0	0	0	
18	0	0	0	32685	7300	382	0	0	0	
19	3973	0	0	30352	0	334	130737	0	3973	
20	3973	0	0	33666	0	520	7595	0	3973	
21	3973	0	0	33308	0	514	26638	0	3973	
22	3973	0	0	33275	0	509	61992	0	3973	
23	3973	0	0	48845	0	800	0	0	3973	
24	3973	0	0	52204	4425	770	0	0	3973	
25	3973	0	0	34921	5899	486	0	0	3973	
26	3973	0	0	35521	5572	557	0	0	3973	
27	3973	0	0	37285	5572	588	0	0	3973	
28	3973	0	0	43399	5572	662	0	0	3973	
29	3973	0	0	32641	1607	433	0	0	3973	
30	3973	0	0	33812	1576	481	0	0	3973	
31	3973	0	0	33812	0	526	0	0	3973	
32	3973	0	0	31404	1253	686	71923	0	3973	
33	3973	0	0	33275	0	668	39648	0	3973	
34	3973	0	0	30313	0	495	250607	0	3973	
35	3973	0	0	33308	0	630	27442	0	3973	
36	3973	0	0	31929	0	658	152091	0	3973	
37	3973	0	0	32947	0	528	39350	0	3973	
38	3973	0	0	32681	0	769	98712	0	3973	
39	3973	0	0	31728	0	636	125031	0	3973	
40	3973	0	0	32025	0	581	152642	0	3973	
41	3973	0	0	35696	0	742	0	0	3973	
42	3973	0	0	30385	0	528	208763	0	3973	
43	3973	0	0	37876	0	734	4584	0	3973	
44	3973	0	0	43783	0	640	0	0	3973	
45	3973	0	0	46476	2967	932	0	0	3973	
46	3973	0	0	33113	1147	664	0	0	3973	
47	3973	0	0	31918	0	649	19179	0	3973	
48	3973	0	0	28824	0	627	379422	0	3973	
49	3973	0	0	37848	0	882	0	0	3973	
50	3973	0	0	47421	0	896	0	0	3973	
PERIOD TOTALS										
PERIOD AVERAGES										
		0	0	1899941	246056	28351	1951298			
		0	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 PEARSON L

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

BMA/MEDINA CO REGIONAL WATER STUDY - BMA/BWCV - 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
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	0	0
PERIOD AVERAGES	0	0	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
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	1654	2346	0	0	0	0	1654
14	2019	1981	0	0	0	0	2019
15	2092	1908	0	0	0	0	2092
16	1337	2663	0	0	0	0	1337
17	891	3109	0	0	0	0	891
18	599	3401	0	0	0	0	599
19	3554	446	0	0	0	0	3554
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	3613	387	0	0	0	0	3613
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		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	86939	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	0
PERIOD AVERAGES		139345	2068	16	0	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
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	12588	0	0	0	0
12	0	0	12588	0	0	0	0
13	0	0	3818	0	0	0	0
14	0	0	1408	0	0	0	0
15	0	0	3147	0	0	0	0
16	0	0	3129	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	9441	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	12588	0	0	0	0
26	0	0	10490	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	0	560129	0	0	0	0
PERIOD AVERAGES	0	0	11202	0	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	0	0	0	0
13	0	0	5998	1621	0	0	0
14	0	0	5998	683	0	0	0
15	0	0	5998	1374	0	0	0
16	0	0	5998	3193	0	0	0
17	0	0	5998	2577	0	0	0
18	0	0	5998	4629	0	0	0
19	0	0	5998	787	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	0	299900	14864	0	0	0
PERIOD AVERAGES	0	0	5998	297	0	0	0

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

SIMULATION PERIOD TOTAL SUMMARY BY NODE 9 BMAW1991

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	5572	0	0	0
19	0	0	5572	5185	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	0	278600	87373	0	0	0
PERIOD AVERAGES	0	0	5572	1747	0	0	0

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

SIMULATION PERIOD TOTAL SUMMARY BY NODE IO BMA IARRI

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	0	0	0	0
13	0	0	32681	15516	0	0	0
14	0	0	31265	13879	0	0	0
15	0	0	37100	18263	0	0	0
16	0	0	36684	27554	0	0	0
17	0	0	39012	28253	0	0	0
18	0	0	17714	38699	0	0	0
19	0	0	15381	1328	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	0	1151391	143819	0	0	0
PERIOD AVERAGES	0	0	23027	2876	0	0	0

BMA/MEDINA CO REGIONAL WATER STUDY - BMABMCV - 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	0	170050	0	0	0	0
PERIOD AVERAGES			3401				

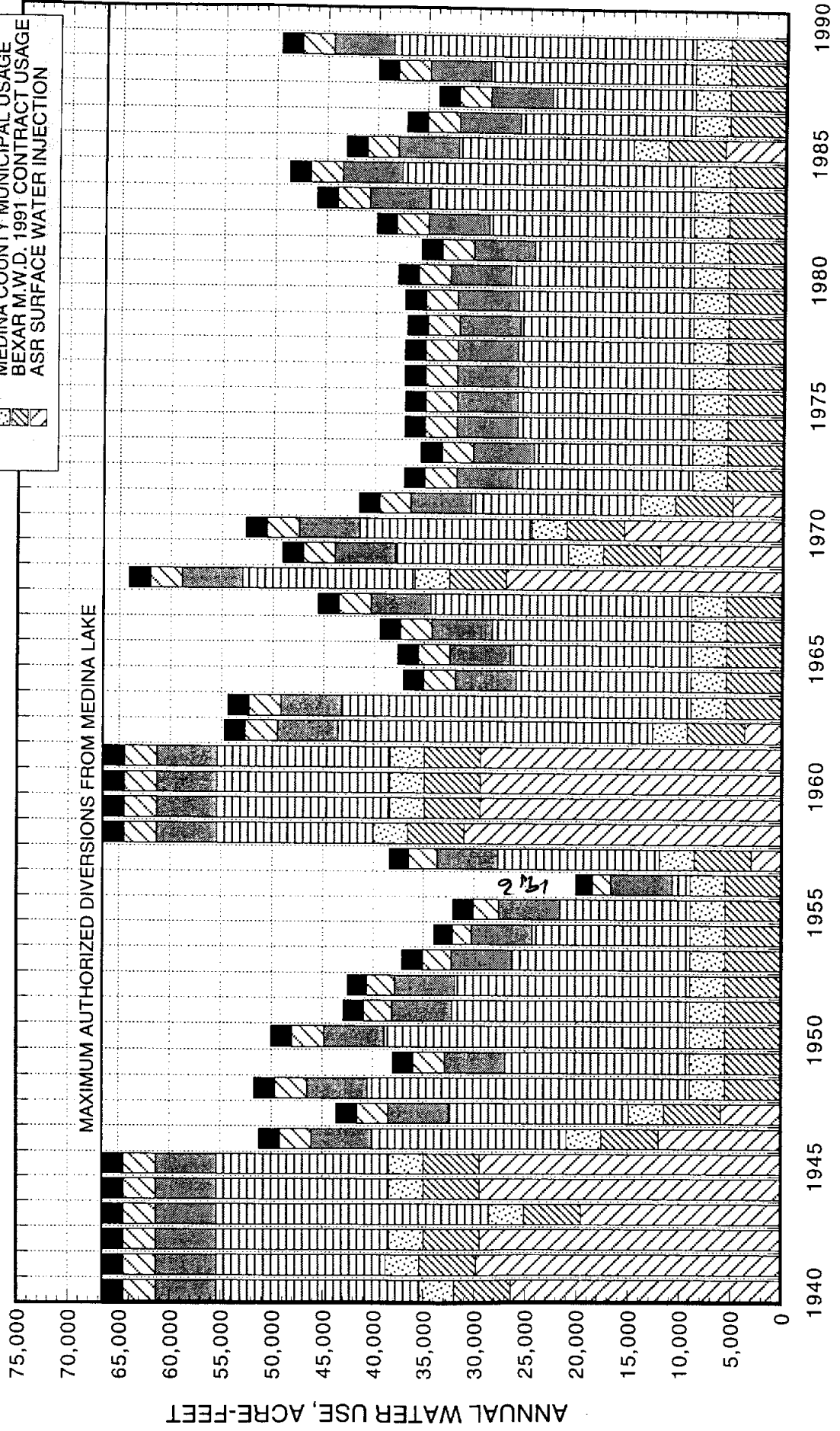
BMA/MEDINA CO REGIONAL WATER STUDY - BMA/BWCV - W/ CONSV - W/O PEARSON L & ASR

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	0	0	0	0
13	0	0	3102	323	0	0	0
14	0	0	3102	378	0	0	0
15	0	0	3102	279	0	0	0
16	0	0	3102	1344	0	0	0
17	0	0	3102	629	0	0	0
18	0	0	3102	1334	0	0	0
19	0	0	3102	371	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	0	155100	4658	0	0	0
PERIOD AVERAGES			3102	93			

SECTION 4
WITH PEARSON LAKE AND ASR
WITH IRRIGATION CONSERVATION

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



ANNUAL WATER USE, ACRE-FEET

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%	10.1% thru 10.0%	20.1% thru 20.0%	30.1% thru 30.0%	40.1% thru 40.0%	50.1% thru 50.0%	60.1% thru 60.0%	70.1% thru 70.0%	80.1% thru 80.0%	90.1% thru 100.0%			
6	BANDCO R	2068	588.	0.	2.	3.	4.	0.	0.	2.	0.	0.	1.	0.	12.
8	BMWA1995	6000	600.	0.	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.	0.
10	BMA IIRRI	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%	10.1% thru 10.0%	20.1% thru 20.0%	30.1% thru 30.0%	40.1% thru 40.0%	50.1% thru 50.0%	60.1% thru 60.0%	70.1% thru 70.0%	80.1% thru 80.0%	90.1% 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 IIRRI	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	0	2711616	600051	544083	0	0
PERIOD AVERAGES	0	0	54232	12001	10881	0	0

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

SIMULATION PERIOD TOTAL SUMMARY BY NODE 2 DIRSN 1

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 PEARSON 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	0
PERIOD AVERAGES		0	39560	11907	297	0	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	5035	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	175000
46	170222	5955	1177	0	0	0	170222
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	0
PERIOD AVERAGES		139345	2068	16	0	0	0

BMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/CONV - W/ PEARSON I. & 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							55217	0
PERIOD AVERAGES							11104	0

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

SIMULATION PERIOD TOTAL SUMMARY BY NODE 8 BMAPAWC1995

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	0	299900	0	0	0	0
PERIOD AVERAGES			5998				

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

SIMULATION PERIOD TOTAL SUMMARY BY NODE 9 BMA1991

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	0	278600	0	0	0	0
PERIOD AVERAGES			5572				

EMA/MEDINA CO REGIONAL WATER STUDY - BMAPAWC - W/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	20047	0	0	0	0
2	0	0	16606	0	0	0	0
3	0	0	16999	0	0	0	0
4	0	0	26215	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	0	1056829	100573	0	0	0
PERIOD AVERAGES	0	0	21136	2011	0	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	0	170050	0	0	0	0
PERIOD AVERAGES			3401				

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	0	0	0	0
13	0	0	3102	323	0	0	0
14	0	0	3102	378	0	0	0
15	0	0	3102	279	0	0	0
16	0	0	3102	1344	0	0	0
17	0	0	3102	629	0	0	0
18	0	0	3102	1334	0	0	0
19	0	0	3102	371	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	0	155100	4658	0	0	0
PERIOD AVERAGES			3102	93			