Variations of Water Consumption Rates

by

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Secretary of the Faculty
Massachusetts Institute of Technology
Cambridge, 39, Massachusetts

Dear Sir:

The author herewith submits a thesis entitled "VARIATIONS OF WATER CONSUMPTION RATES", in partial fulfillment of the requirements for the degree of Bachelor of Science in Civil Engineering.

Respectfully,

Edward J. Ewing

Acknowledgment

In expressing his sincere gratitude for the help and cooperation he has received in writing this thesis, the author wishes to thank the following persons:

Professor William E. Stanley, his advisor, of the Department of Civil and Sanitary Engineering, for his most helpful suggestions.

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Mr. Walter G. Conroy, Superintendent of the Belmont Water Department, for his assistance in making available facts about the Belmont Water System that were of extreme importance.

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Outline of Study

Variations of Water Consumption Rates is a study of the variations in water consumption rates for the city of Belmont, Massachusetts during the year 1943.

The method of making this study included the use of weekly meter charts for two Venturi meters, which recorded the rate of flow of 85% of the water into the Belmont System. From these charts the total number of occurrences of given rates were tabulated and plotted as a per cent of yearly time versus the rate of water demand as per cent of yearly average daily rate.

The work includes a complete analysis of the data studied, and a discussion of the probable sources of error and allowances made for them.

It was found that the result of this thesis is the fulfillment of the purpose for which the study was undertaken, that is, to advance the study of variations of water consumption rates.

Previous Work Done on the Subject

Many investigators have made studies on the variations in the rates of water demand for different cities. However, there is yet much to be done in the development of accurate methods of forecasting the future variations in the rates of water demands.

The rates of water consumption are affected by many variables such as size of community, its location, living standards of the population, industries, pressures maintained in water distribution systems, and many other such factors. It has been the practice to date to compare a city to be studied with other cities already studied having similar characteristics. Therefore, any reasonable forecast of probable future water consumption variations of rate demands requires extended study.

Mr. Manuel Vinas Sorba made an extensive study of the monthly, weekly, daily and hourly variations in rates of water demand for the city of Taunton, Mass. for the year 1944. He concluded that the maximum month is 123 per cent, the maximum day is 162 per cent, and that the maximum hourly rate is 172.5 per cent of the yearly average daily rate. He also concluded that the maximum rate and the minimum rate which occurred during the year were 227.5 and 37.5 per cent of the yearly average. In Figure 6 is shown his results of rates of flow versus per cent of time as compared to the results of this study.

Mr. Hedley Patterson made an extensive study of the various rates of demand for the city of Quincy, Mass. for the year 1940. He plotted rates of flow versus per cent of time these rates were equalled or exceeded each month.

In all of the investigations the variations in the rates of water demand have been established for many cities, however, Mr. Sorba's study and Mr. Patterson's study were the only two which determined the percentage of time that given rates occurred.

Introduction

The city of Belmont, Massachusetts is located just northwest of Boston. In 1943 it had an estimated population of 28,200 persons. This city has no large major industries and is approximately 95 per cent residential area, being of very hilly terrain.

Belmont takes all of its water from the Metropolitan Water Supply System. Included in Belmont's water system are several emergency connections with neighboring cities of Watertown, Arlington, and Cambridge. All of the water taken from the Metropolitan system passes through two Venturi meters and two compound meters. The Venturi meters are numbered #88 and #110. The two compound meters are numbered #62 and #111.

The rates of flow through the Venturi meters are measured by gauges attached to the meters and they are

adjusted to read continuously. The charts cover a period of one week; circular in form with 3-hour divisions for meter #88 and rectangular in form with 1-hour divisions for meter #110. The two compound meters have a totallizing register only and these are read and recorded weekly. Meters #88 and #110 are Builders Iron Foundry long-type Venturi meters. Meter #88 is of 12 inch diameter with a 3.75 inch diameter throat. Meter #110 is of 16 inch diameter with a 5.00 inch diameter throat. Meters #62 and #111 are both Hershey compound-type meters, 6" x 3" x 3/4" diameters. All references to rates in the tabulated tables in this study refer to rates of flow through these meters. The meters are located and serve water distribution districts as shown by Figures #7 and #8.

Due to the hilly terrain the water system is divided into three pressure areas, as shown in Figure #7, enabling the water to be supplied to the consumers at adequate pressures. The low service area supplies water at pressures from 38 to 86 p.s.i. with the water passing through meter #110. The intermediate service area supplies water at pressures from 64 to 120 p.s.i. with the water passing through meters #88 and #111. The high service area supplies water at pressures from 60 to 160 p.s.i. with the water passing through meter #62. These pressure ranges are those in Belmont's water mains due to the hilly terrain.

The high service area is supplied by a 12 inch Metropolitan main from a 1,900,000 gallon storage standpipe located in the neighboring city of Arlington. The high water level is elevation 440.0 above sea level.

The intermediate service area is supplied by a 20 inch Metropolitan main from a 2,000,000 gallon underground storage reservoir also located in Arlington. This reservoir has a high water level at elevation 320.0 above sea level. The reservoir is kept full by the operation of a pumping station which takes the water directly out of the Metropolitan 56" main, through a 20 inch suction main, and discharging directly into the 20 inch main running from the reservoir. The pumping station is located in Belmont.

The low service area is supplied by a takeoff from a 56 inch Metropolitan main running through Belmont.

The location of all meters, mains, reservoirs, pumping station, and the several service districts are shown by maps in Figures #7 and #8 in Appendix A.

The Choice of City and Year

The city of Belmont was selected for this study because it afforded an opportunity to study demand variations in a relatively large city with no storage in the distribution system, therefore all rates of

flow through the meters represented actual rates of water demand. Also there were available excellent records of water consumption.

The year 1943 was chosen because it represented an average year in which all records were available. Since the city is approximately 95 per cent residential, its population and water demands were relatively unaffected during the war.

Outline of Procedure

The city of Belmont takes all its water from the Metropolitan Water Supply through two Venturi and two compound meters. Continuous rate of flow devices are attached only to the Venturi meters. The two compound meters are read weekly.

From the record charts of the two Venturi meters the number of occurrences of various demand rates were tabulated. Since it was impossible to tabulate equivalent demand rates for the two compound meters, it was necessary to show that all meter records showed equivalent variations of demand on a common basis. In this study they were compared on a basis of weekly and monthly rates to determine if the two Venturi meters gave a true picture of the variations in the city's water demand.

Detailed Description of Charts

The demand rates through the Venturi Meters are recorded on charts by means of a pen attached to the

recording device. This pen moves up and down across the charts continuously registering the demand rates. Both sets of charts are weekly ones. On meter #88, the charts are circular and divided radially into days and 3-hour intervals. The rates of flow vary from 0 to 1.9 million gallons, divided into small circles every 0.1 million gallons. On meter #110 the charts are rectangular and divided into days and 1-hour intervals as abscissas. The rates of flow vary from 0 to 3.5 million gallons divided into 0.1 million gallon units as ordinates.

Both charts are printed by the Builders Iron Foundry of Providence, R.I. which also made the Venturi meters for the Metropolitan Water Supply System. At the top of the charts is information designating the type of meter, size, throat diameter, and also the name of the user, in this case, Metropolitan District Commission - Water Division.

Each chart studied in this thesis, one hundred and four in all, represents a period of one week during the year 1943.

Description of Procedure

The exact method of tabulating the number of occurrences of various demand rates was as follows: Each set of tables, A-3 and B-3 covering a period of one month, was divided into one-day periods. The rate intervals chosen varied from 0.1 million gallons, the smallest rate, to the maximum rate which was the capacity of the chart

for each meter. In both sets of charts the rates were counted for each 0.1 million gallon interval, since this was as accurate a reading as could be obtained due to the width of the inked line and also since these intervals were indicated by ruled lines. The number of occurrences of rates equal to or greater than the selected rate were tabulated for each day of the month. For a given month the same range in water demand rates from minimum to maximum was used for each day, but the range used varied from month to month.

When the number of occurrences for each day had been tabulated, the total number of occurrences of each rate for the whole month was determined by summing up the daily occurrences. After this the total number of occurrences of each rate for the year was determined by summing up the monthly occurrences. These data are tabulated in Tables A-2 and B-2.

Using one-hour intervals, the total number of hours in the year studied represents 100% time. The per cent of yearly time the rates are equal to or greater than the chosen rates was determined by dividing the number of occurrences of the chosen rates by the total number of hours studied of the year. Since each hour designates one occurrence, this method is strictly valid. The data thus obtained was plotted for both meters in Figure No. 6.

The comparison of the water demand rates recorded by all of the meters was made by the following procedure.

All weekly and monthly average daily water consumption rates shown in Tables #4 and #5 were compiled from actual records of the Metropolitan District Commission Water Department. The figures for meters #62, #88, #110 plus #111, and the total for all meters were transferred directly from the records. The M.D.C. records for meter #110 included weekly and monthly totals only. These data were divided by the number of days in the week and month respectively to obtain the average daily weekly and monthly rates given in Tables #4 and #5 and shown graphically on Figures #3 and #4. The figures for #111 were arrived at by subtracting the figures of meter #110 from the figures of meter #110 plus #111. An alternate way which could also have been used would have been to divide the weekly and monthly rates of meter #111 by seven and the number of days in the month. Due to allowance of time in this study, the latter was not used.

Next the weekly and monthly rates were expressed as a per cent of the yearly average daily rates. Then all four meters and the total were compared by plotting the monthly average daily rates expressed as a per cent of the yearly average monthly daily rate versus the months of the year. This is shown in Figure #5.

Method of Plotting Curves

When the number of one-hour occurrences of the various rates during the year were expressed as a percentage of

total yearly time, these data were then plotted on logarithmic probability paper. The ordinates used were rates of demand expressed as a per cent of the yearly average daily rate versus the per cent of yearly time the given rates occurred.

The results for meters #88 and #110 are plotted in Figure #6. The data used may be found in the summary Tables #A-2 and #B-2.

The curves in Figure 1 were plotted from the data tabulated in Tables #1 and #2. The population, the average daily consumption rates, and gallons per capita were all plotted versus years.

The hourly variations in water consumption rates for meter #110 were plotted from data taken directly from the rate of flow charts. Since the meter was ready weekly, the curves for maximum day, average day, and minimum days were approximated. This was done by using a maximum day of a maximum week, an average day of the average week, and a minimum day of two minimum weeks.

The curves in Figures #3 and #4 were plotted from data in Tables #4 and #5. The weekly and monthly average daily rates were plotted versus the weeks and months of the year.

The curves in Figure #5 were plotted from data in Table #5. The monthly average daily rates expressed as a per cent of the yearly average monthly daily rate versus the months of the year.

Sources of Error

The rate recorders are set to give a continuous reading. Since the demand rates recorded on the charts were in ink, the lines had definite width and very often smeared quite a bit, which led to approximating the center of the lines. This is the way the charts are read by the Metropolitan District Commission. In counting the time various demand rates occurred, in all probability the number of times the rates may have been read a little high they were balanced by an equal amount of low readings. No attempt was made to read any closer than 0.1 million gallon rate, and therefore the readings were within the accuracy of the chart.

Due to the momentum of the needle during travel in vertical direction up and down, the very highest point reached by the ink was no doubt a little high, and similarly the low points were a little low. These were taken into account also by approximating the center of the inked line.

Occasionally, usually during a holiday weekend, the circular charts of meter #88 would record eight days instead of seven. This means that one day would overlap and it became a little difficult to read. However, this showed two shades of ink and the rates for the two days could be arrived at with little care. This occurred infrequently enough so as not to affect the accuracy of the data.

There was always the chance of making a mistake when counting the occurrences of various rates. Due to the probability that an incorrect number had a chance of being

more or less than the correct number, the error has a chance of being compensated during the monthly periods.

Discussion of Results

The curves for meters #88 and #110 shown in Figure #6 give a very good picture of the city's water demand rates. The reason for this is due to similarity of the curves of all meters shown in Figure #5. Only one curve, that for meter #111, was not in line in its entirety. However, since only about 2% of Belmont's water supply passed through this meter, it had little effect on the results. Also the curve would no doubt have been similar had it not been for the probable leak as noted on the curve.

The yearly variations in water demand in Belmont has gradually increased up to 1937. Since then the demand has fluctuated up and down, but the general trend shows the water demand still rising. The population of the town has been increasing very little from year to year, ever since 1935. The yearly average per capita consumption rates has varied up and down between 50 and 70 gallons. The year of this study the per capita consumption was 53 gallons per day.

The maximum rates of demand occurred whenever the weather was very hot. This was due to the large use of water in the early evenings for lawn sprinkling. The peak rates of flow occurred usually between 7 and 9 P.M.

On average days the maximum rates of demand occurred between 7 and 9 A.M. It can be seen that on Mondays the rates were noticeably higher probably due to many housewives washing on that day.

The minimum rates of demand occurred towards the end of April. This was due to the weather not being too cold, thus there were not many taps left open to prevent freezing of pipes. Also at this time of year there was no lawn sprinkling. The minimum peak rates occurred between 2 and 3 A.M. During blackouts and President's speeches there were also decreased rates in water demand.

Occasionally throughout the year, peak rates of flow were reached due to breaks in the mains. On several occasions such rates were marked on the rate of flow charts as "cause unknown". In this study, no attempt was made to discover these unknown causes.

Conclusion

The variations in rate of water demand in Belmont, Massachusetts for the year 1943 are reasonable enough to be taken and used for other similar cities. This is actually not a conclusion since the data was taken and graphs plotted to advance the study of water demand rates.

Appendix A

Figure 1

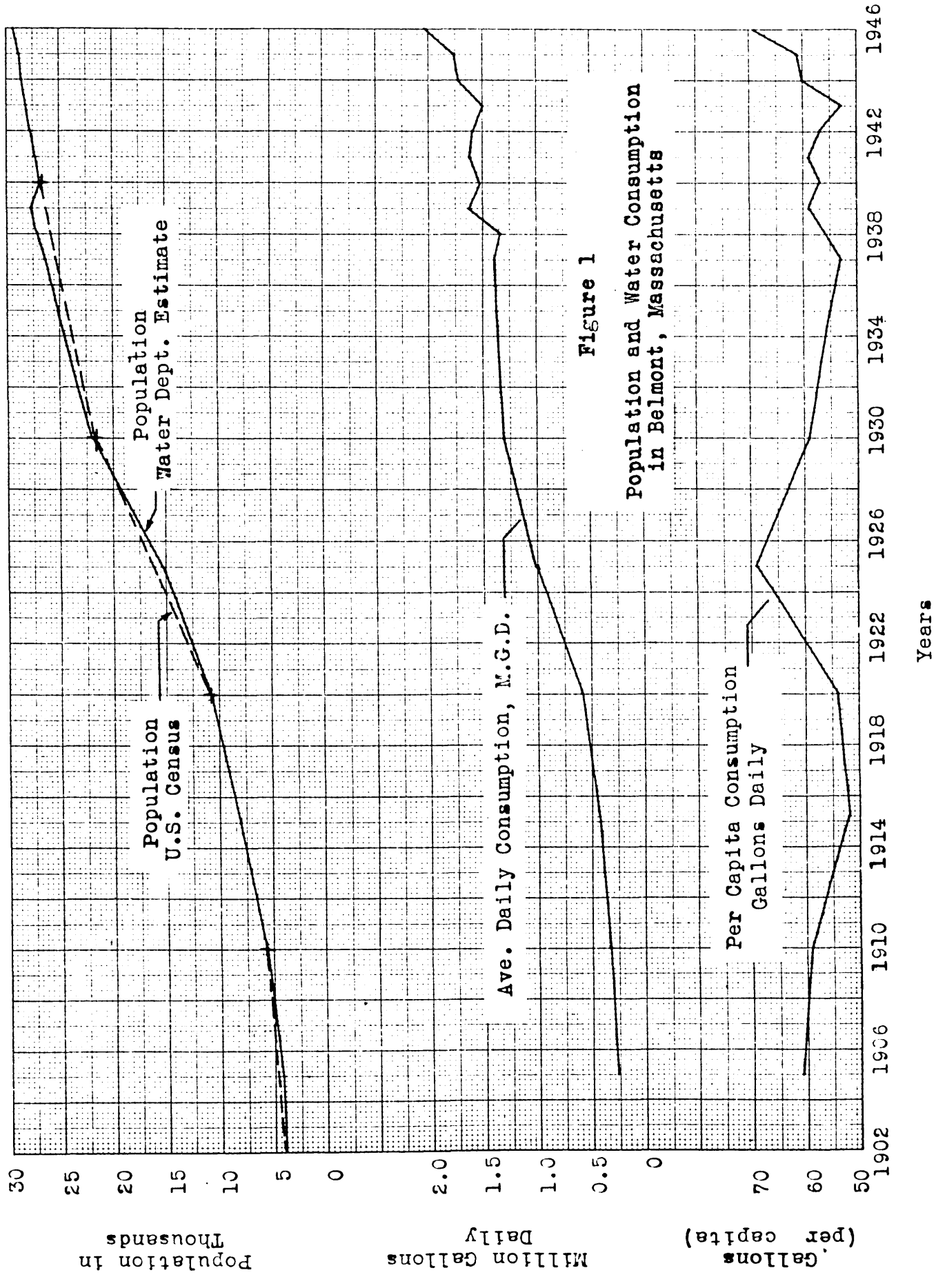
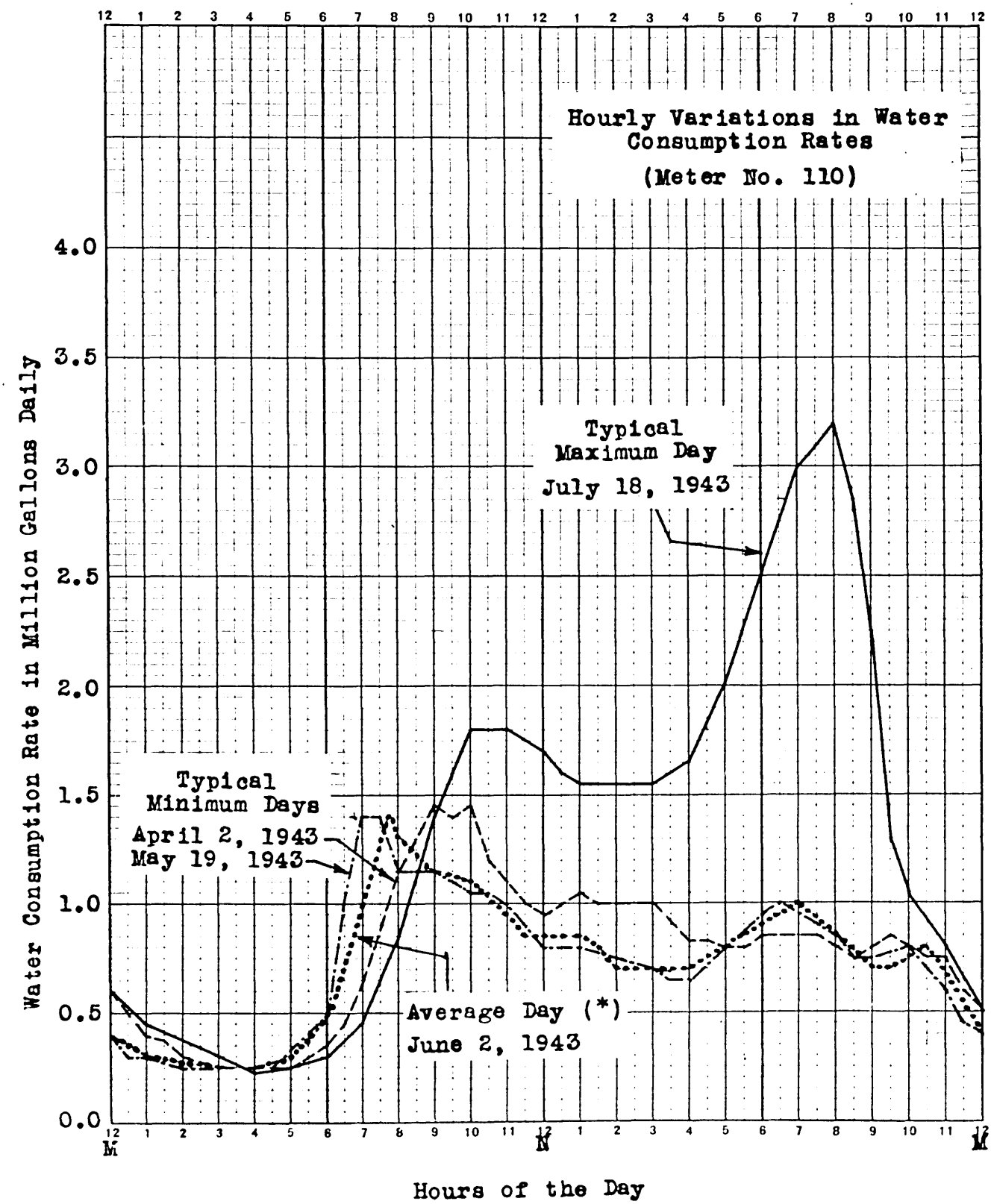


Figure 1
Population and Water Consumption
in Belmont, Massachusetts
Population
Water Dept. Estimate
Population
U.S. Census
Ave. Daily Consumption, M.G.D.
Per Capita Consumption
Gallons Daily
Population in Thousands
Million Gallons Daily
Gallons (per capita)
Years
1902
1906
1910
1914
1918
1922
1926
1930
1934
1938
1942
1946

Figure 2



(*) Average day of the average week ending June 5, 1943.

Figure 3

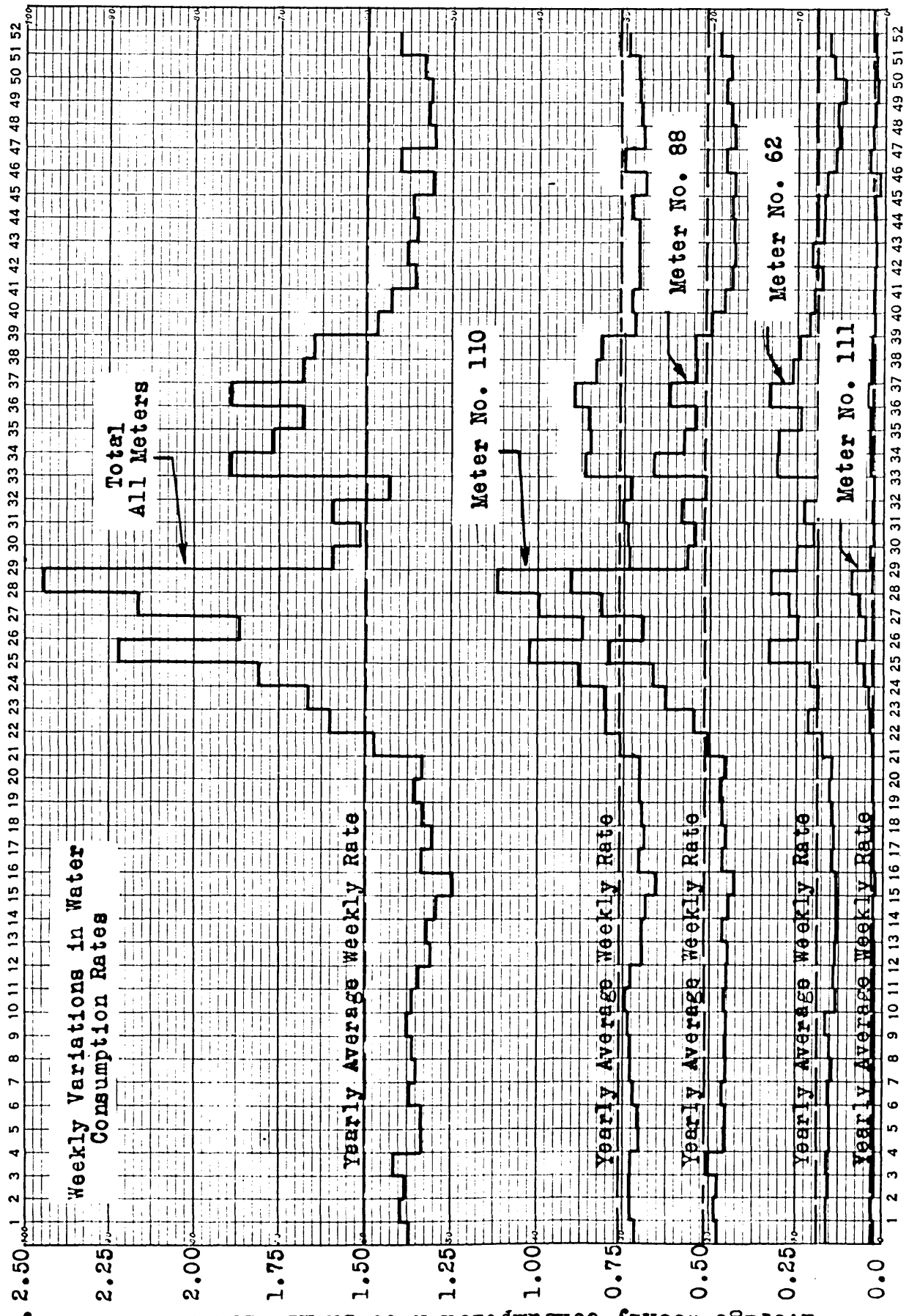

Weekly Variations in Water Consumption Rates
Total All Meters
Meter No. 110
Meter No. 88
Meter No. 62
Meter No. 111
Yearly Average Weekly Rate
Average Weekly Consumption Rate in Million Gallons Daily
Weeks of the Year of 1943

Figure 4

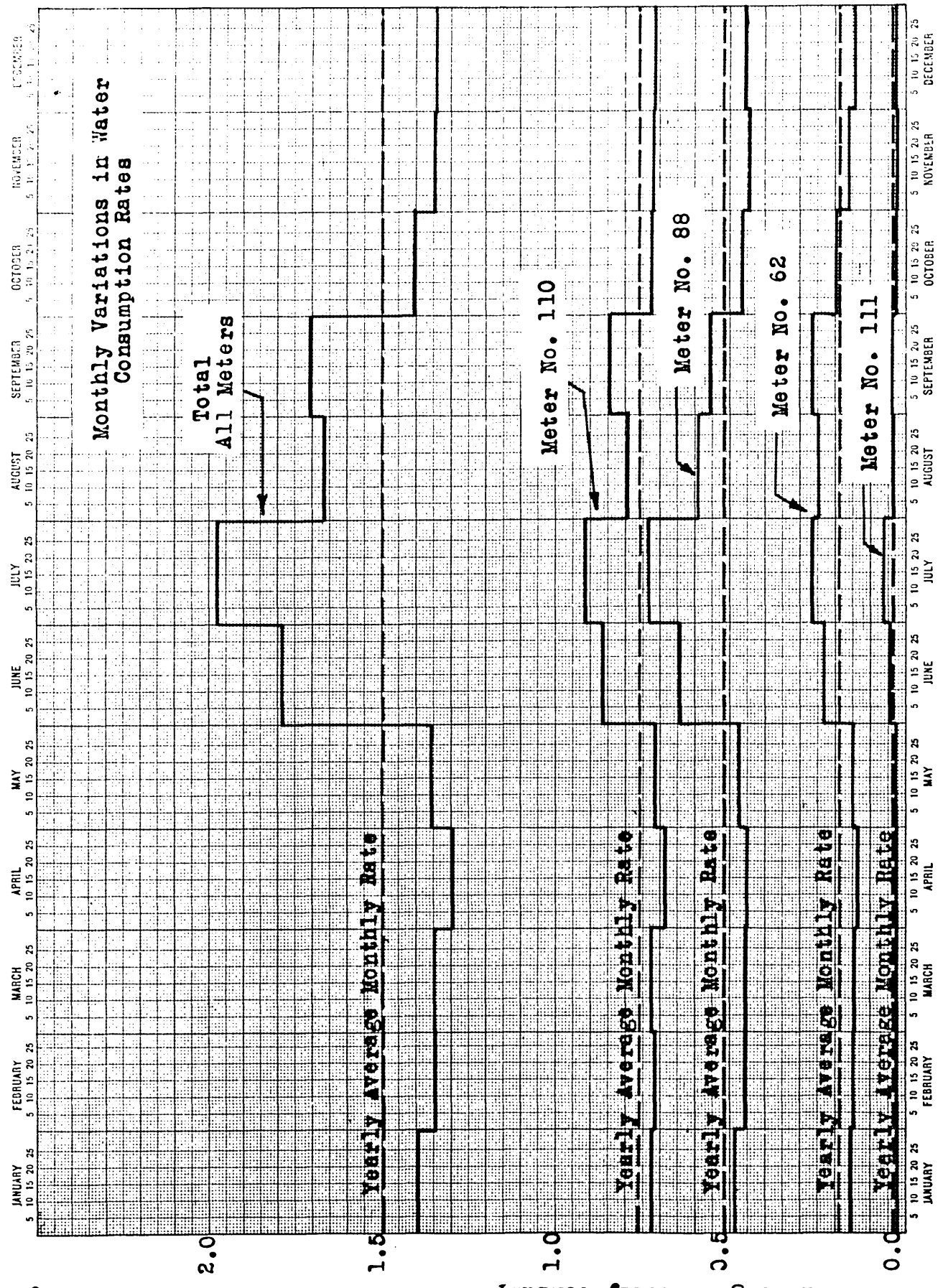

Monthly Variations in Water Consumption Rates
Total All Meters
Meter No. 110
Meter No. 88
Meter No. 62
Meter No. 111
Yearly Average Monthly Rate
Yearly Average Monthly Rate
Yearly Average Monthly Rate
Yearly Average Monthly Rate
Average Monthly Consumption Rate in Million Gallons Daily
2.0
1.5
1.0
0.5
0.0
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
Months of the Year of 1943

Figure 5

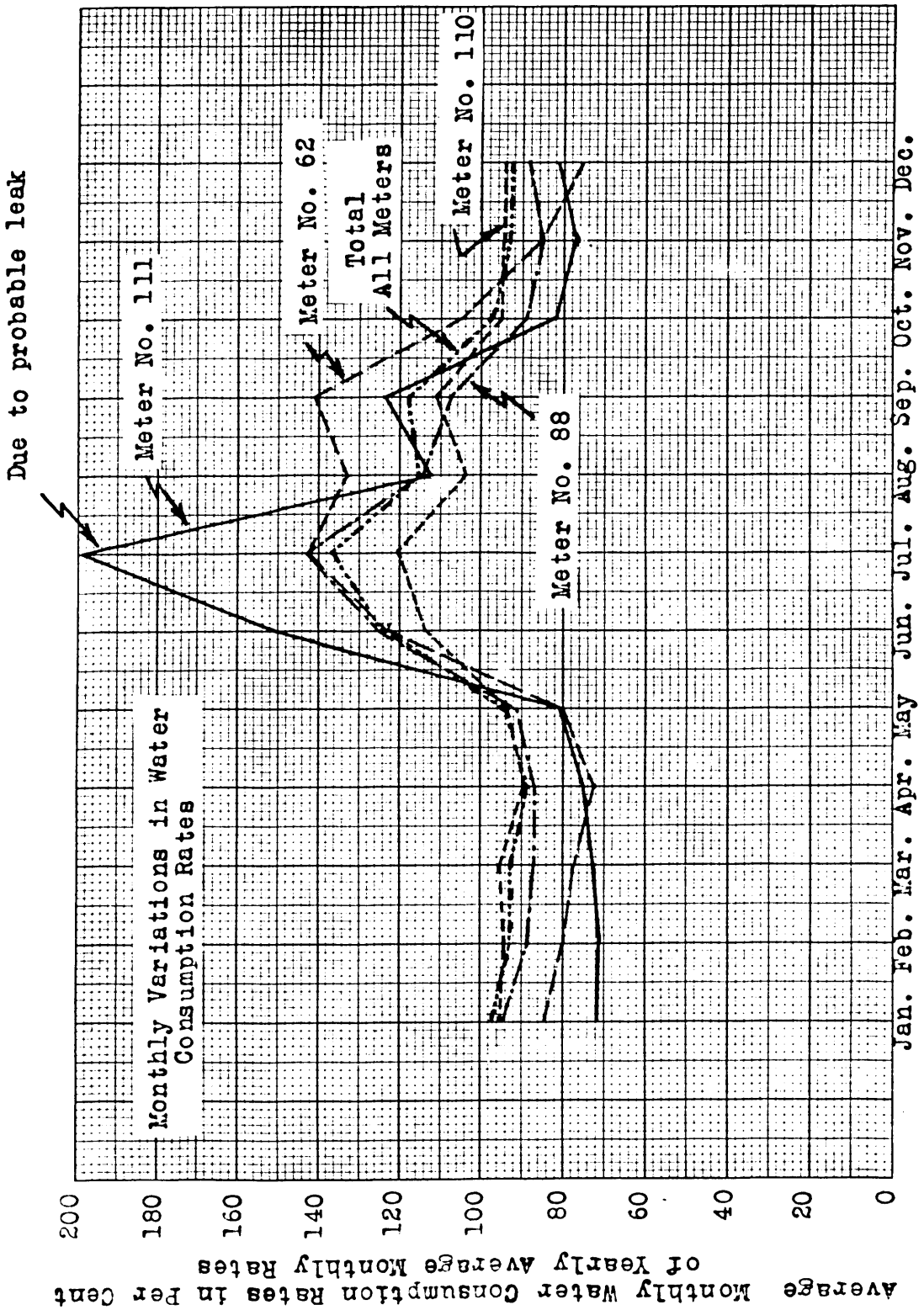

Monthly Variations in Water Consumption Rates
Due to probable leak
Meter No. 111
Meter No. 62
Total All Meters
Meter No. 110
Meter No. 88
Average Monthly Water Consumption Rates in Per Cent of Yearly Average Monthly Rates
200
180
160
140
120
100
80
60
40
20
0
Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec.
Months of the Year of 1943

Figure 6

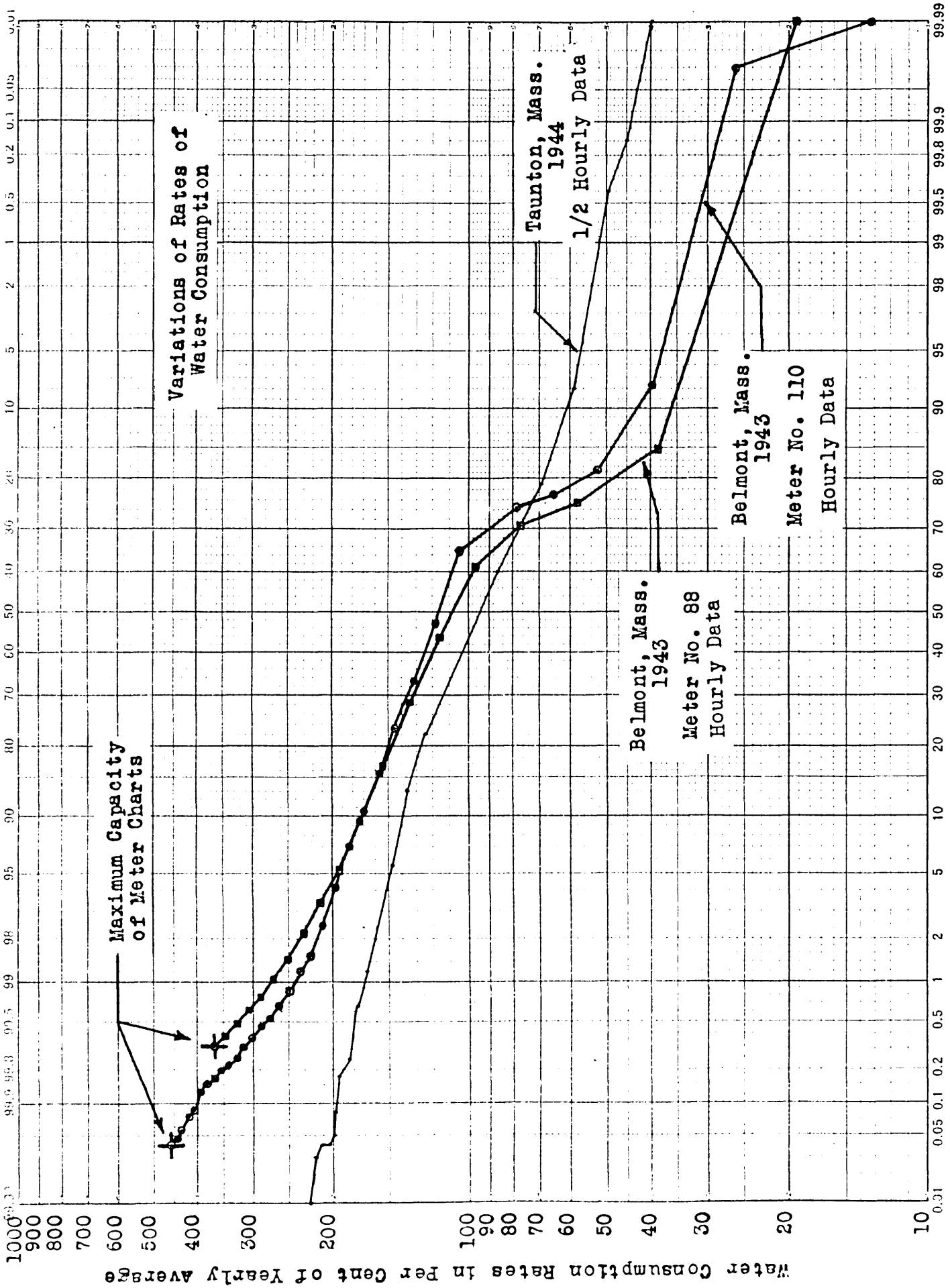

Variations of Rates of Water Consumption
Maximum Capacity of Meter Charts
Taunton, Mass. 1944 1/2 Hourly Data
Belmont, Mass. 1943 Meter No. 88 Hourly Data
Belmont, Mass. 1943 Meter No. 110 Hourly Data
Water Consumption Rates in Per Cent of Yearly Average
Per Cent of Time Flow is Equal to or Greater than Given Rate

Figure 7

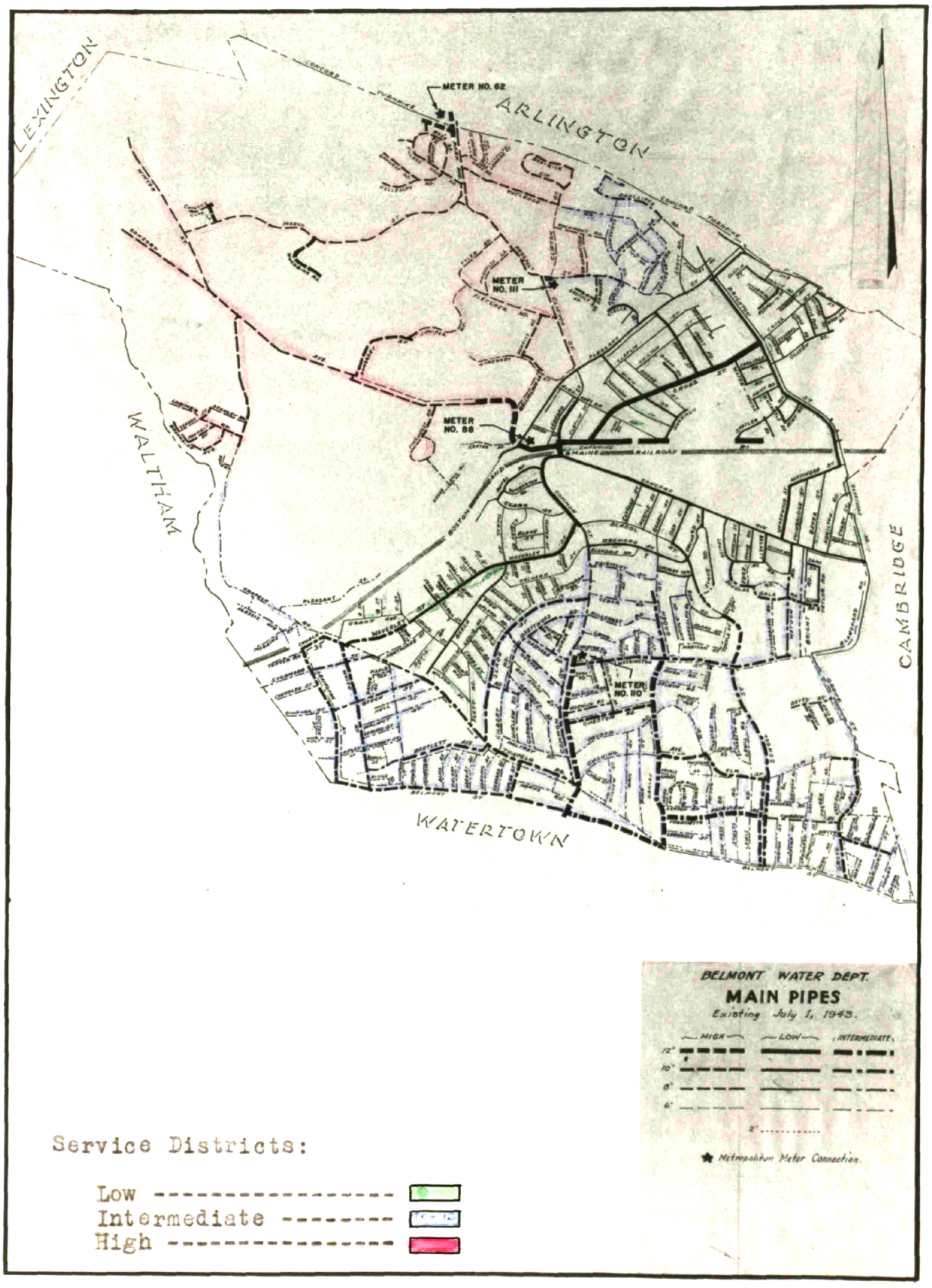
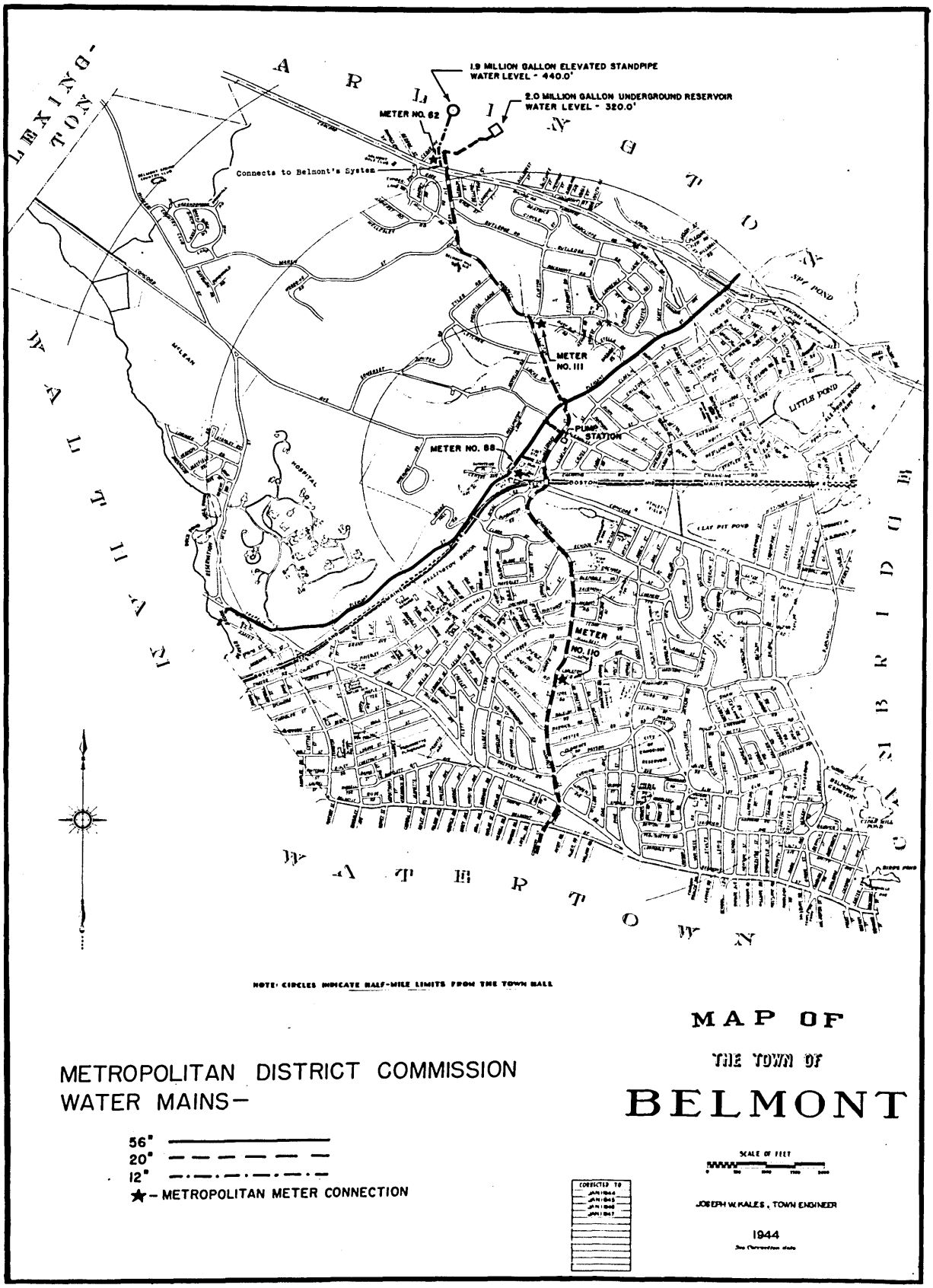

LEXINGTON
ARLINGTON
METER NO. 62
METER NO. 111
METER NO. 88
METER NO. 110
WALTHAM
WATERTOWN
CAMBRIDGE
BELMONT WATER DEPT.
MAIN PIPES
Existing July 1, 1943.
HIGH
LOW
INTERMEDIATE
12"
10"
8"
6"
2"
Metropolitan Meter Connection.
Service Districts:
Low
Intermediate
High

Figure 8


1.9 MILLION GALLON ELEVATED STANDPIPE
WATER LEVEL - 440.0'
2.0 MILLION GALLON UNDERGROUND RESERVOIR
WATER LEVEL - 320.0'
METER NO. 62
Connects to Belmont's System
METER NO. 111
PUMP STATION
METER NO. 88
METER NO. 110
LITTLE POND
CLAY PIT POND
SPY POND
HOSPITAL
ARLINGTON
LEXINGTON
WALTHAM
WATERTOWN
CAMBRIDGE
BOSTON
MAINE
NOTE: CIRCLES INDICATE HALF-MILE LIMITS FROM THE TOWN HALL
METROPOLITAN DISTRICT COMMISSION
WATER MAINS—
56"
20"
12"
★ – METROPOLITAN METER CONNECTION
CORRECTED TO
JAN. 1944
JAN. 1945
JAN. 1946
JAN. 1947
MAP OF
THE TOWN OF
BELMONT
SCALE OF FEET
JOSEPH W. KALES, TOWN ENGINEER
1944

Appendix B

Table 1

Population of Belmont
(From 1887 to 1946)

Year	Population	
	Water Dept. Estimate	U.S.Census
1887	1,822	---
1890	2,098	2,098
1895	2,843	---
1900	3,929	3,929
1905	4,360	---
1910	5,542	5,542
1915	8,081	---
1920	10,749	10,749
1925	15,256	---
1930	22,000	21,748
1935	25,150	---

Year	Population	
	Water Dept. Estimate	U.S.Census
1936	25,800	---
1937	26,450	---
1938	27,090	---
1939	27,740	---
1940	26,950	26,867
1941	27,400	---
1942	27,800	---
1943	28,200	---
1944	28,600	---
1945	28,870	---
1946	29,300	---

Table 2

YEARLY AVERAGE WATER CONSUMPTION DATA
(From Annual Reports of the Town of Belmont)

Year	Population	No. of Services (in use)	Water Consumption		% Metered	
			M.G.D.	Gals./cap. per day	Services	Consumption *
1905	4,360	710	0.266	61	100	58
1910	5,542	909	0.330	59	100	58.5
1915	8,081	1,514	0.425	52	100	82.5
1920	10,749	1,867	0.591	54	100	86.9
1925	15,256	3,053	1.048	69	100	65.0
1930	22,000	4,177	1.306	59	100	79.0
1935	25,150	4,818	1.373	55	100	83.5
1936	25,800	4,977	1.384	54	100	85.1
1937	26,450	5,053	1.391	53	100	83.3
1938	27,090	5,143	1.346	50	100	82.2
1939	27,740	5,307	1.632	59	100	77.6
1940	26,950	5,438	1.524	57	100	79.7
1941	27,400	5,492	1.626	59	100	77.9
1942	27,800	5,531	1.580	57	100	77.1
1943	28,200	5,529	1.500	53	100	81.9
1944	28,600	5,669	1.720	60	100	79.9
1945	28,870	5,685	1.764	61	100	69.4
1946	29,300	5,695	2.016	69	100	69.2

*Metered consumption as % of Water Supplied by Municipal District Commission.

Table 3

LARGE WATER CONSUMERS IN THE CITY OF BELMONT, MASS.

Name of Consumer	Total Water Used for the year 1943 (Cubic Feet)	Average Daily Consumption (Gallons)
McLean Hospital	963,400	19,800
Public Schools (8)	639,000	13,100
Belmont Country Club	429,500	8,830
Belmont Garden Co.	371,700	7,630
Belmont Hill School (Private)	236,400	4,860
Arlmont Country Club	216,800	4,460

Table 4

WATER CONSUMPTION RATES
(Weekly Average in Million Gallons Daily)

Week Ending	Meter No.62	Meter No.88	Meters No.110 & No.111	Meter No.110	Meter No.111	Total
Jan.9	0.158	0.478	0.737	0.713	0.024	1.373
16	0.159	0.487	0.751	0.728	0.031	1.397
23	0.155	0.479	0.751	0.729	0.022	1.385
30	0.159	0.511	0.748	0.726	0.022	1.418
Feb.6	0.150	0.460	0.726	0.703	0.023	1.336
13	0.150	0.455	0.733	0.709	0.024	1.338
20	0.158	0.468	0.746	0.723	0.023	1.372
27	0.146	0.456	0.749	0.726	0.023	1.351
Mar.6	0.152	0.459	0.751	0.728	0.023	1.362
13	0.162	0.456	0.761	0.738	0.023	1.379
20	0.136	0.462	0.767	0.744	0.023	1.365
27	0.140	0.451	0.754	0.730	0.024	1.345
Apr.3	0.138	0.450	0.722	0.698	0.024	1.310
10	0.133	0.465	0.722	0.697	0.025	1.320
17	0.134	0.445	0.713	0.687	0.026	1.292
24	0.134	0.432	0.678	0.657	0.021	1.244
May 1	0.145	0.464	0.727	0.702	0.025	1.336
8	0.137	0.455	0.714	0.689	0.025	1.306
15	0.141	0.468	0.724	0.699	0.025	1.333
22	0.152	0.473	0.735	0.708	0.027	1.360
29	0.148	0.462	0.734	0.708	0.026	1.344
June 5	0.175	0.509	0.790	0.762	0.028	1.474
12	0.214	0.549	0.839	0.803	0.036	1.602
19	0.186	0.632	0.847	0.807	0.040	1.665
26	0.210	0.667	0.935	0.881	0.054	1.812
Jul.3	0.327	0.796	1.101	1.025	0.076	2.224
10	0.248	0.695	0.924	0.874	0.050	1.867
17	0.274	0.819	1.072	0.999	0.073	2.165
24	0.325	0.909	1.211	1.121	0.090	2.445
31	0.250	0.566	0.776	0.738	0.038	1.592
Aug.7	0.200	0.545	0.769	0.742	0.027	1.514
14	0.229	0.583	0.783	0.751	0.032	1.595
21	0.182	0.519	0.732	0.703	0.029	1.433
28	0.310	0.666	0.920	0.872	0.038	1.896
Sep.4	0.302	0.579	0.890	0.850	0.040	1.771
11	0.238	0.546	0.898	0.857	0.041	1.682
18	0.327	0.620	0.944	0.895	0.049	1.891
25	0.265	0.544	0.874	0.836	0.038	1.683

Table 4
(Cont'd.)

WATER CONSUMPTION RATES
(Weekly Average in Million Gallons Daily)

Week Ending	Meter No.62	Meter No.88	Meters No.110 & No.111	Meter No.110	Meter No.111	Total
Oct.2	0.246	0.550	0.856	0.821	0.035	1.652
9	0.213	0.502	0.750	0.724	0.026	1.465
16	0.202	0.464	0.763	0.734	0.029	1.429
23	0.179	0.442	0.738	0.712	0.026	1.359
30	0.208	0.436	0.737	0.712	0.025	1.381
Nov.6	0.175	0.439	0.738	0.712	0.026	1.352
13	0.174	0.442	0.751	0.733	0.028	1.367
20	0.169	0.435	0.707	0.693	0.014	1.311
27	0.143	0.467	0.799	0.755	0.044	1.403
Dec.4	0.136	0.437	0.731	0.695	0.036	1.304
11	0.138	0.449	0.734	0.706	0.028	1.321
18	0.120	0.463	0.733	0.709	0.024	1.316
25	0.147	0.450	0.739	0.713	0.026	1.336
Jan.1	0.156	0.480	0.769	0.742	0.027	1.405
Yearly Weekly Average	0.188	0.517	0.794	0.762	0.032	1.499

Table 5

WATER CONSUMPTION RATES
(Monthly Average in Million Gallons Daily)

Month	Meter No.62	% of Yrly. Mon. Ave.	Meter No.88	% of Yrly. Mon. Ave.	Meters No.110 + No.111	% of Yrly. Mon. Ave.	Meter No.110	% of Yrly. Mon. Ave.	Meter No.111	% of Yrly. Mon. Ave.	Total All Meters	% of Yrly. Mon. Ave.
Jan.	0.1584	84.4	0.4888	94.4	0.7495	94.4	0.7264	95.4	0.0231	71.5	1.3967	96.4
Feb.	0.1505	80.2	0.4581	88.5	0.7400	93.2	0.7170	94.2	0.0230	71.2	1.3486	93.0
Mar.	0.1449	77.2	0.4540	87.7	0.7510	94.6	0.7276	95.6	0.0234	72.4	1.3499	93.2
Apr.	0.1359	72.4	0.4511	87.2	0.7072	89.1	0.6831	89.7	0.0241	74.6	1.2942	89.2
May	0.1501	80.0	0.4719	91.2	0.7370	92.9	0.7111	93.4	0.0259	80.2	1.3590	93.8
June	0.2310	123.0	0.6430	124.2	0.9154	115.2	0.8668	113.9	0.0486	150.5	1.7894	123.4
July	0.2672	142.4	0.7322	141.5	0.9776	123.1	0.9154	120.1	0.0622	189.5	1.9770	136.4
Aug.	0.2496	132.9	0.5894	113.9	0.8280	104.2	0.7917	103.9	0.0363	112.4	1.6670	115.0
Sept.	0.2648	141.0	0.5582	107.9	0.8839	111.2	0.8440	110.8	0.0399	123.5	1.7069	117.7
Oct.	0.1967	104.8	0.4612	89.1	0.7500	94.4	0.7236	95.0	0.0264	81.8	1.4079	97.2
Nov.	0.1602	85.4	0.4430	85.6	0.7445	93.8	0.7196	94.5	0.0249	77.1	1.3477	93.0
Dec.	0.1420	75.6	0.4583	88.6	0.7406	93.3	0.7145	93.8	0.0261	80.8	1.3409	92.5
Yearly Monthly Average	0.1878		0.5178		0.7940		0.7617		0.0323		1.4996	

FLUCTUATIONS IN WATER CONSUMPTION DAILY RATES
(Millions of Gallons)

Rate	Meter No.62	% of Yrly. Ave.	Meter No.88	% of Yrly. Ave.	Meter No.110	% of Yrly. Ave.	Meter No.111	% of Yrly. Ave.	Total All Meters	% of Yrly. Ave.
Average Yearly	0.1878	--	0.5178	--	0.7619	--	0.0321	--	1.4996	--
Maximum Weekly	0.327	174	0.909	176	1.121	147	0.090	280	2.445	163
Minimum Weekly	0.133	70.8	0.432	83.5	0.657	86.3	0.014	43.6	1.244	82.9
Maximum Monthly	0.267	142	0.732	142	0.915	120	0.062	194	1.977	132
Minimum Monthly	0.136	72.4	0.443	85.6	0.683	89.7	0.023	71.6	1.294	86.3
Maximum Hourly	*	--	1.90	367	3.50	460	*	--	*	--
Minimum Hourly	*	--	0.10	19.3	0.10	13.1	*	--	*	--

* Data unavailable.

Table 6

Appendix C

TABLE A-1

SUMMARY OF THE PERCENTAGES OF TIME -- METER NO. 110
FOR THE YEAR 1943

A GIVEN RATE IS EQUALLED OR EXCEEDED IN EACH MONTH -- 1943

	Water Consumption Rates - Millions of Gallons Daily																																
Month	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
Jan.	100.0	100.0	93.75	82.12	77.02	73.92	71.57	61.49	41.80	25.54	15.46	6.99	3.16	1.28	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb.	100.0	100.0	93.38	81.77	77.31	74.18	71.65	60.79	39.66	25.67	17.56	8.33	4.54	2.23	0.74	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar.	100.0	100.0	95.16	81.92	78.02	74.66	72.45	62.43	40.39	26.55	17.54	10.22	5.98	3.09	1.41	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr.	100.0	99.58	87.22	79.44	76.53	73.96	71.04	57.01	37.29	24.31	15.49	8.19	4.86	2.43	0.97	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	100.0	100.0	86.90	80.04	76.68	74.13	71.17	57.80	37.97	23.92	13.78	8.13	5.31	3.09	1.75	0.60	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
June	100.0	100.0	95.28	81.88	77.36	75.14	73.19	70.42	63.96	50.76	40.21	31.53	24.44	17.64	11.67	8.54	5.14	3.75	2.64	2.22	1.67	1.46	1.11	1.11	1.04	0.90	0.76	0.63	0.63	0.42	0.35	0.28	0.21	0.21	0.21
July	100.0	100.0	94.96	81.05	77.62	74.33	71.51	67.54	59.14	48.45	41.73	34.14	27.76	21.84	16.53	12.10	9.41	7.06	5.85	5.11	4.30	3.76	3.16	2.55	2.02	1.81	1.48	1.34	1.14	1.08	0.67	0.60	0.47	0.34	0.27
Aug.	100.0	100.0	94.69	81.38	76.34	73.79	71.44	66.20	53.63	42.88	32.80	22.45	14.92	9.07	5.04	2.96	1.88	1.34	0.94	0.47	0.27	0.20	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sept.	100.0	100.0	100.0	88.06	78.89	75.21	73.06	69.72	60.00	45.56	34.65	24.51	17.08	11.81	7.36	3.89	1.67	0.63	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct.	100.0	100.0	88.84	79.77	76.41	74.06	71.64	63.91	43.41	29.50	19.83	12.30	7.66	4.37	1.68	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov.	100.0	100.0	86.81	78.89	74.58	72.36	70.76	62.50	41.32	28.40	18.06	11.11	6.74	4.10	2.01	0.63	0.35	0.35	0.35	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec.	100.0	100.0	90.19	79.77	75.87	73.86	71.84	62.16	43.01	28.36	17.47	9.68	4.70	2.35	0.87	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	100.0	99.97	92.25	81.33	76.88	74.13	71.78	64.65	46.82	33.34	23.73	15.66	10.62	6.96	4.20	2.49	1.55	1.10	0.84	0.66	0.53	0.46	0.37	0.31	0.26	0.23	0.19	0.17	0.15	0.13	0.086	0.074	0.057	0.046	0.040

TABLE A-2

YEARLY SUMMARY - 1943 -- METER NO. 110

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

Yearly Average Daily Rate: 0.7619 Million Gallons

Month	Water Consumption Rates - Millions of Gallons Daily																								
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
Jan.	744.0	744.0	697.5	611.0	573.0	550.0	532.5	457.5	311.0	190.0	115.0	52.0	23.5	9.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb.	672.0	672.0	627.5	549.5	519.5	498.5	481.5	408.5	266.5	172.5	118.0	56.0	30.5	15.0	5.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar.	744.0	744.0	708.0	609.5	580.5	555.5	539.0	464.5	300.5	197.5	130.5	76.0	44.5	23.0	10.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr.	720.0	717.0	628.0	572.0	551.0	532.5	511.5	410.5	268.5	175.0	111.5	59.0	35.0	17.5	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	744.0	744.0	646.5	595.5	570.5	551.5	529.5	430.0	282.5	178.0	102.5	60.5	39.5	23.0	13.0	4.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
June	720.0	720.0	686.0	589.5	557.0	541.0	527.0	507.0	460.5	365.5	289.5	227.0	176.0	127.0	84.0	61.5	37.0	27.0	19.0	16.0	12.0	10.5	8.0	8.0	7.5	6.5	5.5	4.5	4.5	3.0	2.5	2.0	1.5	1.5	1.5
July	744.0	744.0	706.5	603.0	577.5	553.0	532.0	502.5	440.0	360.5	310.5	254.0	206.5	162.5	123.0	90.0	70.0	52.5	43.5	38.0	32.0	28.0	23.5	19.0	15.0	13.5	11.0	10.0	8.5	8.0	5.0	4.5	3.5	2.5	2.0
Aug.	744.0	744.0	704.5	605.5	568.0	549.0	531.5	492.5	399.0	319.0	244.0	167.0	111.0	67.5	37.5	22.0	14.0	10.0	7.0	3.5	2.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sept.	720.0	720.0	720.0	634.0	568.0	541.5	526.0	502.0	432.0	328.0	249.5	176.5	123.0	85.0	53.0	28.0	12.0	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct.	744.0	744.0	661.0	593.5	568.5	551.0	533.0	475.5	323.0	219.5	147.5	91.5	57.0	32.5	12.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov.	720.0	720.0	625.0	568.0	537.0	521.0	509.5	450.0	297.5	204.5	130.0	80.0	48.5	29.5	14.5	4.5	2.5	2.5	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec.	744.0	744.0	671.0	593.5	564.5	549.5	534.5	562.5	320.0	211.0	130.0	72.0	35.0	17.5	6.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	8760.0	8757.0	8081.5	7124.5	6735.0	6494.0	6287.5	5663.0	4101.0	2921.0	2078.5	1371.5	930.0	609.5	368.0	218.0	136.0	96.5	73.5	58.0	46.0	40.0	32.5	27.0	22.5	20.0	16.5	14.5	13.0	11.0	7.5	6.5	5.0	4.0	3.5
% of Time	100.00	99.97	92.25	81.33	76.88	74.13	71.78	64.65	46.82	33.34	23.73	15.66	10.62	6.96	4.20	2.49	1.55	1.10	0.84	0.66	0.53	0.46	0.37	0.31	0.26	0.23	0.19	0.17	0.15	0.13	0.086	0.074	0.057	0.046	0.040
Rate in % of Yearly Average	13.13	26.25	39.38	52.50	65.63	78.75	91.88	105.0	118.1	131.3	144.4	157.5	170.6	183.8	196.9	210.0	223.1	236.3	249.4	262.5	275.6	288.8	301.9	315.0	328.1	341.3	354.4	367.5	380.6	393.8	406.9	420.0	433.1	446.3	459.4

TABLE A-3

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

JANUARY 1943 -- METER NO. 110

	Water Consumption Rates - Millions of Gallons Daily													
Day	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5
1	24.0	21.5	19.5	18.0	16.5	16.0	14.5	13.0	6.0	4.0	1.0	0.0	0.0	0.0
2	24.0	22.0	19.0	17.5	17.0	16.0	15.0	12.5	6.5	4.5	1.5	0.5	0.0	0.0
3	24.0	23.0	19.0	17.5	16.5	15.0	14.0	8.0	6.0	5.5	2.5	1.5	1.0	0.0
4	24.0	22.0	19.0	17.5	17.0	17.0	15.0	9.0	6.0	5.0	1.0	0.0	0.0	0.0
5	24.0	24.0	20.0	19.0	18.0	17.5	12.0	5.0	3.0	1.5	0.5	0.0	0.0	0.0
6	24.0	24.0	19.0	17.5	17.0	16.0	11.0	8.0	4.0	2.0	1.0	0.5	0.0	0.0
7	24.0	22.0	18.5	17.5	17.0	16.0	11.5	8.0	4.5	1.5	1.0	0.5	0.0	0.0
8	24.0	24.0	23.5	23.0	22.0	21.5	18.0	13.0	12.5	8.0	1.5	0.5	0.0	0.0
9	24.0	21.0	19.0	18.0	16.5	16.0	15.5	13.0	8.5	4.0	1.0	0.5	0.0	0.0
10	24.0	21.5	18.5	17.5	17.0	17.0	16.0	12.5	7.0	5.5	3.5	2.0	1.0	0.0
11	24.0	21.5	19.5	18.5	18.0	18.0	13.5	9.0	7.5	5.0	3.5	3.0	1.0	0.5
12	24.0	21.5	19.0	18.0	18.0	17.0	14.0	8.0	5.0	3.0	1.0	0.5	0.0	0.0
13	24.0	22.0	20.0	19.0	18.0	17.5	11.5	8.5	5.0	4.0	1.5	0.5	0.5	0.0
14	24.0	22.0	19.5	18.0	18.0	17.0	13.0	8.5	4.5	1.5	1.0	0.5	0.0	0.0
15	24.0	22.5	20.0	18.5	18.0	18.0	17.0	8.0	6.5	2.0	1.0	1.0	0.5	0.0
16	24.0	23.0	20.0	19.0	18.0	17.0	16.5	16.0	6.5	3.0	0.5	0.0	0.0	0.0
17	24.0	24.0	19.0	17.5	17.0	16.5	15.5	12.5	6.5	6.0	4.0	1.5	1.5	0.5
18	24.0	24.0	20.0	19.0	18.0	18.0	16.0	12.0	6.0	4.5	3.0	1.5	0.5	0.0
19	24.0	24.0	21.5	19.0	18.0	17.5	17.0	12.0	8.5	3.0	1.0	0.0	0.0	0.0
20	24.0	21.0	20.0	18.5	18.0	17.0	12.0	8.0	6.5	3.0	1.5	0.5	0.0	0.0
21	24.0	21.5	19.5	18.5	18.0	17.5	15.0	8.5	4.5	2.0	1.0	0.5	0.0	0.0
22	24.0	21.5	20.0	18.5	18.0	18.0	17.0	8.5	4.5	2.0	1.0	0.5	0.0	0.0
23	24.0	22.0	20.0	19.0	18.0	17.5	17.0	13.0	8.0	4.0	1.5	0.0	0.0	0.0
24	24.0	22.0	20.0	17.5	17.0	16.0	15.0	10.5	6.5	6.0	4.0	2.0	1.5	0.5
25	24.0	22.0	20.0	19.0	18.0	18.0	16.0	10.0	6.5	5.5	3.0	1.5	0.5	0.0
26	24.0	24.0	20.0	18.5	18.0	17.5	15.5	9.5	5.5	4.0	2.0	1.0	0.5	0.0
27	24.0	24.0	20.0	18.5	18.0	17.5	14.0	6.0	4.0	1.5	1.0	0.5	0.0	0.0
28	24.0	21.5	20.0	18.0	18.0	17.5	13.0	8.5	4.5	2.5	1.0	0.5	0.0	0.0
29	24.0	23.0	19.5	19.0	18.0	18.0	15.0	9.5	6.5	1.5	0.5	0.0	0.0	0.0
30	24.0	21.5	20.0	19.0	18.5	17.5	16.5	12.0	6.0	3.5	1.0	0.0	0.0	0.0
31	24.0	24.0	18.5	17.5	17.0	16.0	15.0	10.5	7.0	6.0	3.5	2.0	1.0	0.0
Totals	744.0	697.5	611.0	573.0	550.0	532.5	457.5	311.0	190.0	115.0	52.0	23.5	9.5	1.5
% of Time	100.0	93.75	82.12	77.02	73.92	71.57	61.49	41.80	25.54	15.46	6.99	3.16	1.28	.20

TABLE A-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

FEBRUARY 1943 -- METER NO. 110

	Water Consumption Rates - Millions of Gallons Daily														
Day	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
1	24.0	22.5	20.0	18.5	18.5	18.0	15.0	8.5	6.0	4.5	2.0	1.0	0.5	0.0	0.0
2	24.0	21.0	20.0	18.5	18.0	18.0	14.5	10.0	6.0	4.0	3.0	1.0	0.5	0.0	0.0
3	24.0	22.0	21.0	19.0	18.0	17.5	14.0	8.0	5.0	4.0	1.5	1.0	0.5	0.0	0.0
4	24.0	21.5	19.0	18.5	18.0	17.5	12.0	7.0	5.0	2.0	1.0	1.0	0.5	0.0	0.0
5	24.0	21.5	20.0	19.0	18.0	17.0	14.5	9.0	6.0	4.0	1.5	1.0	0.5	0.0	0.0
6	24.0	23.0	20.0	19.0	18.0	17.5	16.5	12.0	7.0	4.0	1.5	0.0	0.0	0.0	0.0
7	24.0	22.0	18.5	17.5	17.0	16.5	16.0	9.5	7.0	6.0	2.0	2.0	1.0	0.5	0.0
8	24.0	22.0	20.0	19.0	17.5	17.0	15.0	9.0	6.0	5.5	4.0	3.5	2.0	0.5	0.0
9	24.0	21.5	19.5	18.0	17.5	17.0	11.0	8.5	5.0	3.5	1.5	1.0	0.5	0.0	0.0
10	24.0	21.0	19.5	18.5	18.0	16.0	10.0	6.0	5.0	2.0	1.0	0.5	0.5	0.0	0.0
11	24.0	21.0	19.5	18.5	18.0	17.0	14.0	7.5	4.5	3.0	1.5	1.0	0.5	0.0	0.0
12	24.0	21.5	20.0	19.0	18.0	17.5	15.5	9.0	4.5	3.0	1.5	1.0	0.5	0.0	0.0
13	24.0	22.0	19.5	19.0	18.5	17.5	17.0	13.5	8.0	4.0	1.0	0.5	0.0	0.0	0.0
14	24.0	21.5	18.5	17.5	17.0	16.0	15.0	10.0	6.5	5.5	3.0	2.0	1.0	0.5	0.0
15	24.0	21.5	20.0	18.0	18.0	17.5	16.0	9.5	7.0	4.5	1.5	0.5	0.0	0.0	0.0
16	24.0	24.0	20.0	19.0	18.0	17.5	16.5	9.5	8.0	5.5	1.0	0.5	0.0	0.0	0.0
17	24.0	23.5	19.5	18.5	18.0	17.5	13.5	8.5	5.0	3.5	1.5	1.0	0.5	0.0	0.0
18	24.0	22.0	19.5	19.0	18.0	17.5	13.0	8.0	5.0	3.0	1.5	1.0	0.5	0.5	0.0
19	24.0	24.0	20.0	19.0	18.0	17.5	15.0	9.5	6.0	2.5	1.5	1.0	0.5	0.0	0.0
20	24.0	24.0	20.0	19.0	18.5	17.0	17.0	13.0	8.5	5.0	2.0	0.5	0.0	0.0	0.0
21	24.0	24.0	20.0	18.0	17.0	16.5	14.0	9.5	6.5	5.5	5.0	2.0	1.5	1.0	0.0
22	24.0	22.0	19.5	18.5	17.5	17.0	15.5	9.5	6.5	6.0	4.0	3.0	2.5	1.5	0.5
23	24.0	23.0	19.5	18.5	18.0	17.5	14.0	9.0	5.5	4.5	3.0	1.0	0.0	0.0	0.0
24	24.0	23.0	20.0	18.5	17.5	17.0	13.5	8.0	5.5	4.0	1.5	0.5	0.0	0.0	0.0
25	24.0	22.5	19.5	19.0	18.0	17.5	14.0	9.5	5.5	4.0	2.0	0.5	0.0	0.0	0.0
26	24.0	24.0	18.5	18.0	17.5	17.5	14.0	8.0	5.0	3.5	1.5	0.0	0.0	0.0	0.0
27	24.0	24.0	19.5	19.0	18.0	18.0	17.0	13.0	9.5	5.0	1.0	0.0	0.0	0.0	0.0
28	24.0	22.0	19.0	18.0	16.5	16.0	15.5	14.5	7.5	6.5	3.0	2.0	1.0	0.5	0.0
Totals	672.0	627.5	549.5	519.5	498.5	481.5	408.5	266.5	172.5	118.0	56.0	30.5	15.0	5.0	0.5
% of Time	100.0	93.38	81.77	77.31	74.18	71.65	60.79	39.66	25.67	17.56	8.33	4.54	2.23	0.74	0.07

TABLE A-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

MARCH 1943 -- METER NO. 110

Day	Water Consumption Rates - Millions of Gallons Daily														
	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
1	24.0	21.5	19.5	19.0	18.5	17.5	15.0	9.0	7.0	6.0	3.5	3.0	1.5	0.5	0.0
2	24.0	24.0	20.0	18.5	17.5	16.5	13.0	9.5	6.0	4.5	2.0	1.0	0.0	0.0	0.0
3	24.0	23.0	19.5	19.0	18.0	17.5	13.5	8.0	5.0	2.5	1.5	1.0	0.5	0.0	0.0
4	24.0	23.0	20.0	19.0	17.5	17.5	13.0	9.0	5.5	2.5	1.5	1.0	0.5	0.0	0.0
5	24.0	24.0	20.0	19.0	18.5	17.5	13.5	10.0	6.0	5.0	1.5	1.0	0.5	0.5	0.0
6	24.0	23.0	19.5	18.5	18.0	17.5	17.0	9.5	6.5	4.0	1.0	0.0	0.0	0.0	0.0
7	24.0	23.0	20.0	18.0	17.0	17.0	15.5	11.5	8.0	6.5	5.0	2.0	1.5	1.0	0.5
8	24.0	24.0	20.0	19.0	18.0	17.5	16.5	11.5	7.5	5.0	3.5	3.0	1.0	0.5	0.0
9	24.0	24.0	19.5	19.0	18.0	17.5	13.0	8.5	7.0	4.5	3.5	1.0	0.5	0.5	0.0
10	24.0	21.0	19.5	19.0	18.0	17.0	14.0	8.0	4.5	2.0	1.0	0.5	0.0	0.0	0.0
11	24.0	21.0	20.0	19.0	18.0	17.5	13.0	8.0	4.5	2.5	1.5	1.0	0.5	0.0	0.0
12	24.0	22.0	19.0	18.5	18.0	17.5	13.5	9.0	6.0	2.5	1.5	1.0	0.5	0.0	0.0
13	24.0	23.0	19.5	19.0	18.5	18.0	17.0	13.5	9.5	5.0	1.5	0.0	0.0	0.0	0.0
14	24.0	24.0	20.5	19.0	17.5	17.0	16.5	11.0	7.5	6.5	6.0	3.0	2.0	1.0	0.0
15	24.0	24.0	20.0	19.0	18.5	18.0	16.5	11.0	7.0	5.0	3.5	3.0	3.0	1.5	0.5
16	24.0	24.0	20.0	19.0	18.0	17.5	16.0	11.5	6.5	4.0	2.0	1.0	0.5	0.0	0.0
17	24.0	24.0	21.0	19.0	18.0	17.5	16.5	11.0	6.0	4.5	1.5	1.0	0.5	0.5	0.0
18	24.0	24.0	20.0	19.0	18.0	17.5	14.5	9.5	6.0	4.5	2.5	1.5	0.5	0.5	0.0
19	24.0	24.0	19.0	18.0	17.5	17.5	17.0	9.5	5.5	4.5	1.5	1.0	0.5	0.5	0.0
20	24.0	24.0	21.0	19.0	18.5	18.0	17.5	16.0	10.0	5.0	1.5	0.5	0.0	0.0	0.0
21	24.0	24.0	20.0	18.0	17.0	16.0	15.0	11.0	7.0	6.5	5.5	2.5	2.0	1.0	0.5
22	24.0	24.0	19.5	19.0	18.0	18.0	14.0	8.0	6.5	4.5	3.5	3.5	1.0	0.5	0.0
23	24.0	22.0	19.0	18.5	18.0	17.0	17.0	9.5	6.0	4.5	2.0	1.0	0.5	0.0	0.0
24	24.0	22.0	19.0	18.5	18.0	17.0	11.0	8.0	5.5	4.0	3.0	1.5	1.0	0.5	0.0
25	24.0	21.0	19.0	18.5	18.0	17.5	14.0	6.5	5.0	4.0	2.0	1.0	0.5	0.0	0.0
26	24.0	21.5	19.0	18.5	18.0	17.5	12.0	9.0	6.0	2.5	1.5	1.0	0.5	0.0	0.0
27	24.0	21.0	19.0	18.5	18.0	18.0	17.0	11.0	8.5	4.0	2.0	0.5	0.0	0.0	0.0
28	24.0	22.0	19.0	18.0	17.0	16.5	16.0	8.0	6.5	5.5	3.0	2.0	1.5	0.5	0.5
29	24.0	20.5	19.5	18.5	18.0	17.5	13.0	9.0	6.0	4.5	3.5	3.0	1.0	0.5	0.0
30	24.0	21.5	19.0	18.5	18.0	17.5	16.5	7.0	4.0	2.0	1.5	1.0	0.5	0.0	0.0
31	24.0	24.0	20.0	19.5	18.0	17.5	17.0	9.0	5.0	2.0	1.5	1.0	0.5	0.5	0.0
Totals	744.0	708.0	609.5	580.5	555.5	539.0	464.5	300.5	197.5	130.5	76.0	44.5	23.0	10.5	2.0
% of Time	100.0	95.16	81.92	78.02	74.66	72.45	62.43	40.39	26.55	17.54	10.22	5.98	3.09	1.41	0.27

TABLE A-3
Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

APRIL 1943 -- METER NO. 110

Day	Water Consumption Rates - Millions of Gallons Daily															
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
1	24.0	24.0	21.5	19.0	18.5	17.5	17.0	11.0	6.5	4.0	2.0	1.5	0.5	0.0	0.0	0.0
2	24.0	24.0	20.0	18.5	18.0	17.5	17.0	10.5	8.0	4.5	3.5	1.5	1.0	0.5	0.0	0.0
3	24.0	24.0	21.0	19.0	18.5	18.0	17.5	17.0	11.0	7.0	3.5	0.5	0.0	0.0	0.0	0.0
4	24.0	24.0	22.0	19.5	18.0	17.0	16.5	16.0	10.5	7.0	5.0	3.0	2.5	1.5	0.5	0.0
5	24.0	24.0	21.0	19.0	18.0	17.5	17.0	12.0	8.5	6.0	4.0	3.5	3.0	1.5	0.5	0.0
6	24.0	24.0	22.0	19.0	18.5	18.0	17.5	14.0	8.0	5.0	4.5	2.0	1.0	0.5	0.0	0.0
7	24.0	24.0	21.0	19.0	18.5	18.0	17.0	13.5	8.0	5.5	4.0	2.0	1.0	0.5	0.0	0.0
8	24.0	24.0	21.0	19.0	19.0	18.0	17.5	15.0	9.0	4.5	2.5	1.5	1.0	0.5	0.5	0.0
9	24.0	24.0	20.5	19.0	18.5	18.0	18.0	13.0	9.0	6.0	4.5	2.0	1.5	1.0	0.5	0.0
10	24.0	24.0	21.0	19.0	18.5	18.0	18.0	17.0	12.0	10.0	4.0	2.0	0.5	0.0	0.0	0.0
11	24.0	24.0	21.0	19.0	18.5	17.0	16.5	16.0	11.0	7.0	6.0	3.0	2.0	0.5	0.5	0.0
12	24.0	24.0	20.5	19.0	18.0	18.0	17.0	13.0	9.5	6.0	5.0	4.0	3.0	2.5	0.5	0.5
13	24.0	24.0	20.0	19.0	18.5	18.0	17.5	14.0	9.0	6.5	4.0	1.5	1.0	0.5	0.5	0.0
14	24.0	24.0	20.0	19.0	18.5	17.5	15.5	12.0	7.5	5.0	3.0	2.0	1.0	0.5	0.0	0.0
15	24.0	24.0	22.0	20.0	18.5	18.0	17.5	17.0	12.0	8.5	4.5	2.5	1.0	0.5	0.5	0.0
16	24.0	24.0	20.0	19.5	19.0	18.0	17.0	11.5	8.0	4.5	3.0	1.0	0.5	0.0	0.0	0.0
17	24.0	24.0	21.0	19.0	18.5	18.0	17.0	14.5	10.5	5.0	3.0	0.5	0.0	0.0	0.0	0.0
18	24.0	24.0	21.5	19.0	18.0	17.0	16.5	12.5	8.0	7.0	6.5	3.0	2.0	1.0	0.5	0.0
19	24.0	22.0	21.0	19.0	18.0	17.0	16.5	11.0	8.0	4.5	3.0	2.0	1.5	0.5	0.0	0.0
20	24.0	24.0	20.5	19.0	18.0	18.0	15.0	10.0	5.5	3.5	2.0	0.5	0.0	0.0	0.0	0.0
21	24.0	24.0	21.0	19.0	18.0	17.5	17.0	12.0	5.5	4.5	2.5	1.0	0.0	0.0	0.0	0.0
22	24.0	24.0	21.0	19.0	18.5	18.0	17.5	12.5	6.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0
23	24.0	24.0	21.0	19.0	18.5	18.0	17.5	15.0	10.5	4.5	4.0	3.0	1.0	0.5	0.0	0.0
24	24.0	23.5	21.0	19.5	19.0	18.5	18.0	17.5	14.5	9.0	5.0	2.5	1.0	0.0	0.0	0.0
25	24.0	24.0	22.0	19.0	18.0	17.5	17.0	16.5	9.0	7.5	3.0	2.5	1.5	1.0	0.5	0.0
26	24.0	24.0	21.0	19.0	18.5	18.0	17.5	14.0	10.0	7.5	4.5	4.0	3.5	2.0	1.0	0.5
27	24.0	24.0	20.0	19.0	18.0	17.0	16.5	11.0	8.5	5.0	4.0	2.0	1.0	0.5	0.5	0.0
28	24.0	24.0	21.0	19.0	18.0	18.0	17.0	12.5	7.0	6.0	4.0	1.5	1.0	0.5	0.0	0.0
29	24.0	24.0	20.5	19.0	18.5	18.0	17.0	14.5	9.0	6.0	3.5	2.0	1.0	0.5	0.5	0.0
30	24.0	23.5	21.0	19.0	18.5	18.0	17.5	14.5	7.0	4.0	2.5	1.0	1.0	0.5	0.0	0.0
Totals	720.0	717.0	628.0	572.0	551.0	532.5	511.5	410.5	268.5	175.0	111.5	59.0	35.0	17.5	7.0	1.0
% of Time	100.0	99.58	87.22	79.44	76.53	73.96	71.04	57.01	37.29	24.31	15.49	8.19	4.86	2.43	0.97	0.14

TABLE A-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

MAY 1943 -- METER NO. 110

	Water Consumption Rates - Millions of Gallons Daily															
Day	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
1	24.0	21.0	19.0	19.0	18.5	18.0	17.0	13.0	9.0	4.0	2.0	0.5	0.0	0.0	0.0	0.0
2	24.0	22.5	19.5	18.0	16.5	16.0	15.0	8.0	7.5	5.5	2.5	1.5	1.0	0.5	0.0	0.0
3	24.0	20.5	19.0	18.0	17.0	17.0	13.0	8.0	4.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0
4	24.0	20.0	19.5	18.5	18.0	16.5	11.0	6.5	5.0	3.5	2.0	1.5	1.0	0.5	0.0	0.0
5	24.0	20.0	19.5	18.5	18.0	17.0	14.0	7.5	5.0	3.0	2.5	1.5	1.0	0.5	0.5	0.0
6	24.0	21.0	19.5	18.5	17.5	17.5	12.5	6.5	4.5	2.0	1.5	1.5	1.0	0.5	0.5	0.0
7	24.0	21.0	20.0	19.0	18.0	17.5	15.0	10.0	4.5	2.0	1.5	0.5	0.5	0.0	0.0	0.0
8	24.0	22.0	19.0	18.5	18.0	18.0	17.0	14.0	8.5	4.0	1.5	0.5	0.0	0.0	0.0	0.0
9	24.0	20.5	19.5	18.5	18.0	17.5	12.0	7.0	6.0	3.0	2.0	1.5	1.0	0.5	0.0	0.0
10	24.0	22.0	19.5	19.0	18.0	17.0	14.0	9.0	5.5	4.0	1.5	1.5	0.5	0.0	0.0	0.0
11	24.0	20.5	19.0	18.5	18.0	17.0	10.0	5.5	4.0	1.5	1.0	0.5	0.5	0.0	0.0	0.0
12	24.0	21.0	19.0	18.0	17.5	17.0	14.0	6.0	4.0	1.5	1.0	0.5	0.5	0.0	0.0	0.0
13	24.0	22.0	19.0	18.5	18.0	17.5	16.0	9.5	5.0	4.0	3.0	2.0	1.0	0.5	0.0	0.0
14	24.0	22.0	19.0	18.5	18.0	18.0	15.0	8.0	6.0	4.0	3.0	2.0	1.0	0.5	0.5	0.0
15	24.0	21.5	19.0	18.5	18.0	17.5	16.5	16.0	8.0	4.0	2.0	0.5	0.0	0.0	0.0	0.0
16	24.0	20.0	18.0	17.0	16.5	15.5	10.0	6.0	4.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0
17	24.0	21.0	18.5	17.5	17.0	16.0	15.0	12.0	6.5	3.5	2.5	2.5	2.0	1.5	0.5	0.0
18	24.0	20.5	19.5	18.0	17.0	16.5	13.0	7.0	5.0	2.5	1.5	1.0	0.5	0.5	0.0	0.0
19	24.0	20.0	19.5	18.0	18.0	16.0	9.5	6.5	4.0	3.0	2.0	1.0	0.5	0.5	0.0	0.0
20	24.0	20.0	19.0	18.5	18.0	16.0	8.5	5.0	2.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0
21	24.0	20.0	19.5	18.5	18.0	17.0	11.0	6.0	3.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0
22	24.0	21.5	20.0	19.0	18.5	18.0	17.0	10.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
23	24.0	21.0	19.0	18.5	18.0	18.0	16.0	13.0	7.5	6.0	3.0	2.0	1.0	0.5	0.0	0.0
24	24.0	20.0	19.0	18.5	18.0	17.5	14.0	10.0	8.0	5.0	4.0	3.5	3.0	2.5	1.0	0.0
25	24.0	20.0	19.0	18.5	18.0	17.5	15.0	10.0	6.0	4.0	2.0	1.5	1.0	0.5	0.0	0.0
26	24.0	20.5	19.5	18.5	18.0	16.0	10.0	6.0	4.5	2.5	1.0	0.5	0.5	0.5	0.0	0.0
27	24.0	20.0	19.0	18.5	18.0	17.5	14.5	8.5	4.0	2.0	1.5	1.0	0.5	0.0	0.0	0.0
28	24.0	21.0	19.5	19.0	18.5	17.5	16.5	11.0	5.5	3.5	2.5	2.0	1.0	0.5	0.5	0.0
29	24.0	21.5	19.5	19.0	18.0	17.5	17.0	14.0	9.5	5.0	2.5	1.5	0.5	0.0	0.0	0.0
30	24.0	21.0	19.0	18.0	17.5	17.0	15.0	9.0	6.5	4.0	3.0	2.0	1.0	0.5	0.0	0.0
31	24.0	21.0	19.0	18.0	17.5	17.0	16.0	14.0	10.5	8.0	5.0	3.5	2.5	2.0	1.0	0.5
Totals	744.0	646.5	595.5	570.5	551.5	529.5	430.0	282.5	178.0	102.5	60.5	39.5	23.0	13.0	4.5	0.5
% of Time	100.0	86.90	80.04	76.68	74.13	71.17	57.80	37.97	23.92	13.78	8.13	5.31	3.09	1.75	0.60	0.07

TABLE A-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

JUNE 1943 -- METER NO. 110

	Water Consumption Rates - Millions of Gallons Daily																											
Day	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
1	24.0	20.0	20.0	19.0	17.5	17.5	13.5	9.0	5.5	4.0	3.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	24.0	21.0	19.0	18.0	18.0	17.5	17.0	15.0	8.0	6.5	3.5	2.5	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	24.0	21.0	20.0	19.0	18.0	18.0	17.0	16.5	13.0	10.0	7.0	5.0	4.0	2.5	1.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	24.0	24.0	20.0	19.0	18.0	17.5	17.0	16.0	9.0	7.0	5.0	4.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	24.0	24.0	20.0	19.0	18.5	18.0	17.0	16.5	16.0	14.5	14.0	10.0	7.5	4.5	3.0	2.5	2.0	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	24.0	24.0	20.5	18.5	17.5	17.0	16.5	16.0	15.0	13.0	11.0	8.0	5.0	3.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	24.0	21.0	19.0	18.5	18.0	17.0	16.0	11.5	6.0	4.0	3.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	24.0	20.0	19.0	18.5	18.0	17.5	17.0	12.5	7.0	5.5	4.0	3.0	3.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	24.0	21.5	19.0	18.5	18.0	17.0	17.0	15.0	8.0	6.5	3.5	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	24.0	21.0	19.0	18.0	17.5	17.0	17.0	15.0	12.0	6.5	4.0	3.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	24.0	24.0	19.0	18.5	18.0	17.5	17.0	15.5	13.0	7.5	6.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	24.0	22.0	19.0	18.5	18.0	18.0	17.5	17.0	15.0	14.0	10.0	7.0	5.5	3.0	2.5	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	24.0	24.0	20.5	18.0	17.5	17.0	16.5	14.0	9.5	7.5	6.5	6.0	3.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	24.0	23.0	19.0	18.5	18.0	17.5	17.5	14.5	8.5	5.5	4.0	3.0	3.0	2.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	24.0	24.0	19.0	18.0	17.5	17.5	17.0	14.5	10.0	7.5	5.0	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	24.0	22.0	19.0	18.0	18.0	17.5	17.0	15.0	12.5	8.5	6.0	4.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	24.0	21.5	19.0	18.0	18.0	17.5	16.5	15.0	11.5	9.0	6.0	5.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	24.0	21.0	19.0	18.0	17.5	17.0	16.5	14.0	7.0	4.5	3.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	24.0	23.0	20.0	19.0	18.5	18.0	17.0	16.5	15.0	9.0	6.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	24.0	24.0	23.0	20.0	18.5	17.5	17.0	16.5	15.5	15.0	9.5	6.5	2.5	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	24.0	24.0	19.5	19.0	18.5	18.0	17.5	17.0	13.5	12.0	8.0	7.5	5.5	4.0	3.5	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	24.0	24.0	19.0	18.5	18.0	17.5	17.0	17.0	16.5	11.5	8.5	5.5	4.0	3.0	2.5	2.5	2.0	1.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	24.0	24.0	19.0	18.5	18.0	18.0	17.0	16.5	14.0	8.5	8.0	6.0	5.0	2.5	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	24.0	24.0	20.0	19.0	18.5	17.5	17.5	17.0	16.5	16.0	13.0	9.5	6.5	5.5	4.0	3.5	3.5	3.0	3.0	2.5	2.5	2.0	2.0	2.0	1.5	1.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
25	24.0	24.0	20.0	19.0	18.5	18.0	17.5	17.0	16.0	15.5	15.0	15.0	10.0	6.5	5.0	4.0	4.0	3.5	3.5	3.0	3.0	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.5	1.5
26	24.0	24.0	20.0	19.0	18.5	18.0	17.5	17.0	16.5	15.5	15.0	15.0	14.5	14.0	13.5	7.5	4.5	3.5	3.0	2.5	2.0	1.5	1.5	1.0	1.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
27	24.0	24.0	20.0	18.0	18.0	17.5	17.5	17.0	16.0	14.0	12.5	12.5	12.0	9.5	7.5	3.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	24.0	24.0	20.0	18.5	18.0	18.0	17.5	17.5	16.5	16.5	15.5	15.0	13.0	10.0	9.5	6.0	3.5	3.0	3.0	2.5	2.5	2.0	2.0	2.0	1.5	1.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0
29	24.0	24.0	20.0	18.5	18.5	18.0	17.0	14.0	10.0	7.5	5.0	4.0	3.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	24.0	24.0	20.0	18.5	18.0	17.5	16.5	15.0	13.0	7.0	6.5	5.5	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	720.0	686.0	589.5	557.0	541.0	527.0	507.0	460.5	365.5	289.5	227.0	176.0	127.0	84.0	61.5	37.0	27.0	19.0	16.0	12.0	10.5	8.0	8.0	7.5	6.5	5.5	4.5	4.5	3.0	2.5	2.0	1.5	1.5	1.5
% of Time	100.0	95.28	81.88	77.36	75.14	73.19	70.42	63.96	50.76	40.21	31.53	24.44	17.64	11.67	8.54	5.14	3.75	2.64	2.22	1.67	1.46	1.11	1.11	1.04	.90	.76	.63	.63	.42	.35	.28	.21	.21	.21

TABLE A-3
Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

JULY 1943 -- METER NO. 110

	Water Consumption Rates - Millions of Gallons Daily																													
Day	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
1	24.0	24.0	19.0	18.5	18.0	17.5	17.0	16.5	15.0	12.5	9.0	7.0	5.0	3.0	3.0	2.5	2.5	2.0	2.0	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	24.0	23.0	19.0	18.0	18.0	17.5	17.5	16.5	16.0	15.5	14.5	14.0	10.0	4.0	4.0	3.5	3.5	3.0	2.5	2.0	2.0	1.5	1.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	24.0	22.0	19.0	18.0	17.5	17.5	17.5	17.0	16.0	15.5	14.5	14.0	12.5	12.0	12.0	10.0	4.5	4.0	3.5	3.0	3.0	2.5	2.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	24.0	24.0	21.0	19.0	17.0	16.5	16.0	15.0	14.5	13.0	12.0	10.5	6.5	2.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	24.0	24.0	20.5	17.5	17.0	16.0	15.0	11.0	5.0	4.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	24.0	23.0	18.5	18.0	17.0	16.0	16.0	13.0	9.0	8.0	4.0	3.5	2.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	24.0	23.5	20.0	19.0	18.0	17.5	16.0	10.0	6.5	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	24.0	23.5	19.0	18.5	18.0	17.0	17.0	14.0	8.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	24.0	23.0	19.0	18.5	18.0	17.0	16.5	16.0	14.0	10.0	8.0	4.5	2.5	2.0	1.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	24.0	24.0	20.0	19.5	19.0	18.0	17.5	17.5	16.5	16.0	15.0	14.0	13.5	10.0	5.5	3.5	3.5	3.0	3.0	2.5	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	24.0	24.0	19.5	19.0	17.5	17.0	16.0	15.5	14.5	13.0	13.0	12.0	10.0	6.0	3.5	3.0	2.5	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	24.0	24.0	20.0	19.0	19.0	18.5	18.0	17.5	16.5	16.0	15.0	12.5	9.5	8.5	6.0	4.0	3.5	3.5	3.0	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0
13	24.0	23.5	20.0	19.5	18.5	17.0	16.5	14.0	10.5	9.5	8.0	5.5	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	24.0	24.0	20.0	19.5	19.5	19.0	19.0	18.5	16.5	13.5	8.5	4.5	4.0	4.0	2.5	2.0	2.0	2.0	2.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	24.0	24.0	20.0	19.0	18.0	17.5	17.5	17.5	17.0	17.0	13.5	10.5	10.0	5.5	3.5	3.5	3.0	3.0	2.5	2.5	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.0	1.0	1.0	0.5	0.0	0.0	0.0
16	24.0	24.0	19.5	19.0	18.0	17.5	17.5	17.0	16.0	16.0	15.0	11.0	7.5	6.0	3.5	3.0	3.0	2.5	2.0	2.0	1.5	1.5	1.5	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	24.0	24.0	20.0	19.0	18.5	18.0	17.0	16.5	16.0	15.0	13.5	12.5	12.0	11.5	11.0	9.0	6.5	5.0	4.0	3.5	3.5	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	24.0	20.5	18.0	17.0	17.0	16.0	14.5	14.0	13.5	13.5	13.0	12.5	12.5	12.0	10.5	8.0	6.5	4.5	4.0	3.5	3.5	3.0	3.0	3.0	2.5	2.5	2.0	2.0	2.0	1.0	0.5	0.0	0.0	0.0
19	24.0	22.0	19.0	18.5	14.5	14.0	13.5	13.0	12.5	12.5	12.0	12.0	10.0	8.5	7.5	6.5	4.5	4.0	3.5	3.0	2.5	2.5	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.0	1.0	1.0	0.5	0.0
20	24.0	24.0	19.5	18.5	18.0	17.5	15.0	15.0	14.0	13.0	12.5	11.5	5.5	4.0	2.0	2.0	2.0	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	24.0	21.0	20.0	19.5	19.0	18.5	18.0	18.0	16.5	16.0	15.0	14.5	14.0	14.0	10.0	7.0	4.5	3.5	3.5	3.5	3.0	3.0	3.0	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0
22	24.0	24.0	19.0	18.0	17.0	17.0	15.5	13.0	4.5	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	24.0	22.0	19.5	19.0	18.5	17.5	15.0	9.5	6.0	3.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	24.0	21.5	20.0	19.5	19.0	18.5	18.0	17.0	15.5	14.0	11.5	7.5	5.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	24.0	21.0	18.5	18.0	17.0	16.0	15.5	13.5	10.5	8.5	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	24.0	23.0	20.0	18.5	18.0	18.0	15.0	9.5	7.0	4.5	4.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	24.0	21.0	19.0	18.5	18.0	17.5	16.5	13.5	8.0	6.5	5.0	2.5	2.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	24.0	21.0	19.0	18.5	18.0	17.5	17.0	15.0	7.5	6.0	4.5	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	24.0	21.0	19.0	18.5	17.5	15.0	9.0	4.5	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	24.0	22.0	19.0	18.0	17.0	16.5	16.0	7.5	3.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	24.0	21.0	19.5	19.0	18.0	17.5	16.5	14.0	13.0	6.0	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	744.0	706.5	603.0	577.5	553.0	532.0	502.5	440.0	360.5	310.5	254.0	206.5	162.5	123.0	90.0	70.0	52.5	43.5	38.0	32.0	28.0	23.5	19.0	15.0	13.5	11.0	10.0	8.5	8.0	5.0	4.5	3.5	2.5	2.0
% of Time	100.0	94.96	81.05	77.62	74.33	71.51	67.54	59.14	48.45	41.73	34.14	27.76	21.84	16.53	12.10	9.41	7.06	5.85	5.11	4.30	3.76	3.16	2.55	2.02	1.81	1.48	1.34	1.14	1.08	0.67	0.60	0.47	0.34	0.27

TABLE A-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARICUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

AUGUST 1943 --. METER NO. 110

Day	Water Consumption Rates - Millions of Gallons Daily																					
	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3
1	24.0	22.0	18.5	18.0	17.0	16.5	16.0	13.5	8.0	5.0	3.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	24.0	22.0	19.5	18.5	18.0	17.5	17.0	16.0	13.0	9.0	7.0	6.0	4.0	3.0	2.0	2.0	1.5	1.0	0.5	0.0	0.0	0.0
3	24.0	21.0	19.0	18.5	18.0	18.0	17.0	15.0	11.5	8.0	6.0	3.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	24.0	21.0	19.5	18.5	18.0	17.0	16.5	9.0	6.0	3.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	24.0	24.0	19.0	18.5	18.0	17.5	13.5	10.0	6.5	4.5	2.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	24.0	21.0	19.5	19.0	18.0	17.5	16.5	15.0	13.5	12.0	6.5	4.0	3.0	2.0	1.5	1.5	1.5	1.0	0.5	0.0	0.0	0.0
7	24.0	22.0	19.5	18.5	18.0	17.5	15.5	14.0	12.5	11.5	7.5	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	24.0	21.0	18.0	17.0	16.0	15.5	14.0	13.0	13.0	12.0	10.0	4.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	24.0	21.5	19.0	18.5	17.5	17.0	16.5	14.5	11.0	8.5	4.5	2.0	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
10	24.0	22.0	19.0	18.5	18.0	16.5	11.0	7.0	4.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	24.0	21.0	19.0	18.5	18.0	17.5	15.5	8.5	6.0	3.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	24.0	23.0	19.0	17.0	16.5	16.5	16.0	10.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	24.0	23.0	18.5	18.0	17.5	17.0	14.5	8.5	4.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	24.0	22.0	18.5	18.0	17.0	16.5	16.0	15.5	11.5	4.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	24.0	23.0	20.0	17.5	17.0	16.5	12.5	7.0	6.5	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	24.0	22.0	19.0	18.0	17.5	17.0	15.0	9.5	6.0	4.0	3.0	2.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	24.0	22.5	19.0	18.0	18.0	17.5	16.0	10.0	7.5	5.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	24.0	23.5	19.5	18.0	17.0	16.0	16.0	13.0	6.5	5.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	24.0	21.5	19.0	18.0	17.5	17.0	16.0	13.5	9.0	7.0	3.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	24.0	21.5	19.0	18.0	17.5	17.0	16.0	15.0	13.5	7.5	3.0	2.5	1.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
21	24.0	24.0	21.0	19.0	18.0	17.5	17.0	15.0	14.5	13.0	12.5	11.5	7.5	3.0	2.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
22	24.0	24.0	19.5	18.5	17.5	16.5	15.0	13.5	12.5	12.0	11.0	9.0	6.0	3.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	24.0	24.0	20.0	18.0	18.0	17.5	17.0	16.5	14.0	11.0	8.5	7.0	5.5	3.5	3.0	2.0	2.0	1.5	1.5	1.0	1.0	0.5
24	24.0	24.0	20.0	18.0	17.5	17.0	17.0	13.5	11.0	9.0	6.5	4.5	4.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
25	24.0	24.0	21.0	19.0	18.5	17.5	17.0	16.0	14.5	13.0	7.5	5.5	3.0	2.0	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0
26	24.0	24.0	21.0	18.5	18.0	18.0	17.5	14.0	13.5	12.5	8.5	7.0	4.5	2.0	2.0	1.5	1.0	1.0	0.0	0.0	0.0	0.0
27	24.0	24.0	20.0	19.0	18.5	18.0	17.0	11.5	10.0	7.0	4.5	3.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	24.0	24.0	20.0	19.0	19.0	18.0	17.5	13.5	13.0	12.5	11.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	24.0	24.0	21.0	18.5	17.5	16.5	16.0	14.5	12.0	11.0	10.0	8.0	6.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	24.0	24.0	20.0	19.0	18.0	18.0	17.0	16.5	15.0	11.5	9.5	7.0	5.0	4.0	2.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0
31	24.0	24.0	21.0	19.0	18.5	18.0	17.5	17.0	14.0	13.5	11.0	10.0	7.0	4.0	2.0	2.0	1.5	1.5	1.0	1.0	0.5	0.5
Totals	744.0	704.5	605.5	568.0	549.0	531.5	492.5	399.0	319.0	244.0	167.0	111.0	67.5	37.5	22.0	14.0	10.0	7.0	3.5	2.0	1.5	1.0
% of Time	100.0	94.69	81.38	76.34	73.79	71.44	66.20	53.63	42.88	32.80	22.45	14.92	9.07	5.04	2.96	1.88	1.34	0.94	0.47	0.27	0.20	0.13

TABLE A-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

SEPTEMBER 1943 -- METER NO. 110

Day	Water Consumption Rates - Millions of Gallons Daily																	
	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
1	24.0	24.0	20.0	19.0	18.0	17.5	17.0	15.0	9.5	5.0	3.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
2	24.0	24.0	20.5	19.0	18.0	17.5	16.0	10.5	6.0	4.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	24.0	24.0	20.0	19.0	18.0	17.5	17.0	12.0	7.0	4.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	24.0	24.0	21.0	19.0	18.5	18.0	17.5	14.5	12.5	7.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	24.0	24.0	22.0	18.0	17.5	17.0	16.5	12.0	8.0	6.0	5.0	3.0	1.5	0.5	0.0	0.0	0.0	0.0
6	24.0	24.0	24.0	19.5	18.0	17.5	15.5	15.0	13.0	11.0	10.0	7.0	3.5	2.5	2.0	1.0	0.0	0.0
7	24.0	24.0	24.0	19.0	18.5	17.5	17.0	16.5	15.5	11.0	9.0	6.5	6.0	3.5	2.5	1.0	1.0	0.5
8	24.0	24.0	21.5	19.0	18.5	18.0	17.0	15.0	12.0	7.0	6.0	5.0	3.0	1.5	1.0	0.5	0.0	0.0
9	24.0	24.0	21.0	19.0	18.5	18.0	17.5	17.0	14.5	12.0	10.0	8.5	6.5	5.0	3.0	1.0	0.5	0.0
0	24.0	24.0	22.0	19.0	18.5	17.5	17.0	14.5	14.0	11.5	10.0	7.0	5.5	2.0	1.5	0.5	0.0	0.0
1	24.0	24.0	22.0	19.0	18.5	18.0	18.0	16.5	14.5	14.0	12.5	12.0	11.5	9.0	2.5	2.0	0.5	0.0
2	24.0	24.0	21.5	18.0	17.0	17.0	16.0	15.5	12.0	11.0	10.5	9.0	6.5	5.0	3.0	0.5	0.0	0.0
3	24.0	24.0	21.0	19.5	19.0	17.0	16.5	13.0	11.5	10.0	8.0	5.5	3.5	3.0	2.5	1.0	0.5	0.0
4	24.0	24.0	20.0	19.0	18.0	18.0	17.0	14.0	11.0	9.5	6.0	4.0	2.0	1.5	0.5	0.0	0.0	0.0
5	24.0	24.0	20.5	19.0	18.0	17.5	17.0	14.0	8.5	5.5	2.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0
6	24.0	24.0	20.0	19.0	18.5	18.0	17.5	16.0	11.5	8.5	5.0	4.0	2.5	1.0	0.5	0.0	0.0	0.0
7	24.0	24.0	21.0	19.0	18.0	18.0	17.0	15.0	9.5	8.0	4.0	3.0	1.5	1.0	0.0	0.0	0.0	0.0
8	24.0	24.0	21.0	19.0	18.5	18.0	17.5	16.5	14.0	12.0	7.5	3.0	1.5	0.5	0.0	0.0	0.0	0.0
9	24.0	24.0	21.0	19.0	17.5	17.0	16.0	14.0	12.0	7.5	6.5	6.5	3.5	1.0	0.0	0.0	0.0	0.0
20	24.0	24.0	20.0	19.5	19.0	18.0	17.0	17.0	15.5	13.0	11.0	8.0	7.5	4.0	4.0	3.5	2.0	1.0
21	24.0	24.0	21.0	19.0	18.5	17.5	17.0	16.5	11.5	9.0	5.5	3.5	2.0	1.5	1.0	0.5	0.0	0.0
22	24.0	24.0	20.5	18.5	18.0	17.5	17.0	10.5	6.0	5.0	2.0	1.5	1.5	0.5	0.0	0.0	0.0	0.0
23	24.0	24.0	20.0	18.5	18.0	17.5	17.0	13.0	9.0	5.0	2.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0
24	24.0	24.0	21.0	18.5	18.0	17.5	17.0	13.0	9.0	6.5	4.0	2.0	1.5	0.5	0.5	0.0	0.0	0.0
25	24.0	24.0	21.0	18.5	18.0	18.0	17.5	15.0	12.0	10.0	4.0	3.0	2.0	1.0	0.5	0.0	0.0	0.0
26	24.0	24.0	22.0	19.0	17.0	17.0	16.5	15.0	9.0	7.0	6.5	3.0	2.0	1.5	0.5	0.0	0.0	0.0
27	24.0	24.0	20.0	18.5	17.5	17.0	16.0	15.5	11.5	8.0	6.5	5.0	3.0	2.5	1.0	0.0	0.0	0.0
28	24.0	24.0	23.5	20.0	18.5	18.0	17.5	16.0	12.5	10.5	7.5	6.0	3.0	2.0	1.0	0.5	0.0	0.0
29	24.0	24.0	20.0	19.0	17.0	17.0	16.0	15.5	10.0	6.0	4.5	2.0	1.0	1.0	0.5	0.0	0.0	0.0
30	24.0	24.0	21.0	19.0	18.0	16.5	13.0	8.5	5.5	4.5	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0
Totals	720.0	720.0	634.0	568.0	541.5	526.0	502.0	432.0	328.0	249.5	176.5	123.0	85.0	53.0	28.0	12.0	4.5	1.5
% of Time	100.0	100.0	88.06	78.89	75.21	73.06	69.72	60.00	45.56	34.65	24.51	17.08	11.81	7.36	3.89	1.67	0.63	0.21

TABLE A-3
Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

OCTOBER 1943 -- METER NO. 110

	Water Consumption Rates - Millions of Gallons Daily														
Day	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
1	24.0	20.5	19.5	18.5	18.0	17.5	14.0	8.5	5.5	3.5	1.5	1.0	1.0	0.0	0.0
2	24.0	21.5	19.5	19.0	18.0	18.0	16.5	13.0	10.0	4.5	2.5	0.5	0.0	0.0	0.0
3	24.0	22.0	19.0	18.0	17.0	16.5	16.0	9.5	6.5	6.0	3.5	2.0	1.5	0.5	0.0
4	24.0	21.0	19.0	18.0	17.5	17.0	14.0	10.0	7.0	4.5	3.5	3.5	2.5	1.0	0.0
5	24.0	20.5	19.0	18.5	18.0	16.5	11.5	9.0	7.0	4.0	3.5	3.5	2.0	1.0	0.5
6	24.0	20.0	19.0	18.0	18.0	17.0	13.0	7.0	5.0	4.0	3.0	2.0	1.0	0.5	0.0
7	24.0	20.5	19.0	18.5	18.0	17.5	16.5	10.0	6.5	4.5	2.5	2.0	1.0	0.5	0.0
8	24.0	21.0	19.0	18.5	18.0	17.0	13.0	10.0	5.5	3.5	2.0	1.0	1.0	0.5	0.0
9	24.0	20.5	20.0	18.5	18.0	17.5	17.0	17.0	13.0	11.0	8.0	4.0	2.0	0.5	0.0
10	24.0	21.0	19.0	18.5	17.5	17.0	13.5	8.0	6.5	6.0	3.0	2.0	1.5	0.5	0.0
11	24.0	20.0	18.5	17.5	17.0	17.0	13.0	9.5	6.5	4.5	3.0	3.0	2.5	1.0	0.5
12	24.0	20.5	19.0	18.5	17.5	17.0	15.0	10.0	7.5	6.0	3.0	2.0	0.5	0.0	0.0
13	24.0	20.5	19.0	18.0	17.5	17.0	15.5	9.5	7.5	5.0	4.0	2.5	1.0	1.0	0.5
14	24.0	20.0	19.0	18.5	18.0	17.5	15.5	9.5	6.0	4.0	2.5	1.5	1.0	0.5	0.0
15	24.0	23.0	20.0	19.0	18.5	17.5	16.5	12.0	6.0	3.5	2.0	1.0	1.0	0.5	0.5
16	24.0	21.0	19.0	18.5	18.0	17.5	16.5	12.0	8.5	4.0	1.5	0.5	0.0	0.0	0.0
17	24.0	20.0	19.0	18.0	17.0	16.5	15.5	8.5	7.0	6.0	5.0	2.0	1.5	1.0	0.5
18	24.0	20.0	19.0	18.0	17.5	17.0	13.0	9.5	6.0	4.0	3.0	2.5	1.0	0.5	0.5
19	24.0	20.0	19.0	18.5	18.0	17.5	17.0	10.5	7.0	4.0	1.5	1.0	0.5	0.0	0.0
20	24.0	19.5	19.0	18.5	18.0	17.5	14.5	9.0	5.0	3.5	1.0	1.0	0.5	0.5	0.0
21	24.0	21.0	19.0	18.5	18.0	17.0	16.0	10.5	6.0	3.5	3.0	1.5	0.5	0.5	0.0
22	24.0	23.0	19.0	18.5	18.0	17.5	16.5	10.5	7.0	5.0	2.5	2.0	1.5	0.5	0.0
23	24.0	23.0	19.5	18.0	18.0	17.5	17.5	15.0	9.5	4.5	2.5	1.0	0.0	0.0	0.0
24-	24.0	21.0	19.0	18.0	17.5	16.5	16.0	9.0	7.0	6.0	3.5	2.0	1.0	0.0	0.0
25	24.0	20.0	19.0	18.0	18.0	17.5	15.0	10.0	8.0	5.0	4.0	3.5	2.5	0.5	0.0
26	24.0	21.5	19.0	18.0	18.0	17.5	14.5	9.0	5.0	4.0	1.5	0.5	0.0	0.0	0.0
27	24.0	21.5	19.0	18.5	18.0	17.5	17.0	10.0	6.0	2.0	1.0	1.0	0.5	0.0	0.0
28	24.0	22.0	19.0	18.5	18.0	18.0	17.5	9.0	6.5	4.5	1.5	1.0	1.0	0.5	0.0
29	24.0	22.0	19.5	18.0	17.0	16.0	15.5	13.0	8.5	5.0	4.0	2.5	0.5	0.0	0.0
30	24.0	21.0	20.0	19.5	18.5	18.0	17.0	13.0	8.5	6.0	3.0	1.0	0.0	0.0	0.0
31	24.0	22.0	19.0	18.0	17.0	16.5	16.0	12.0	8.0	6.0	5.5	2.5	2.0	0.5	0.0
Totals	744.0	661.0	593.5	568.5	551.0	533.0	475.5	323.0	219.5	147.5	91.5	57.0	32.5	12.5	3.0
% of Time	100.0	88.84	79.77	76.41	74.06	71.64	63.91	43.41	29.50	19.83	12.30	7.66	4.37	1.68	0.40

TABLE A-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

NOVEMBER 1943 -- METER NO. 810

Day	Water Consumption Rates - Millions of Gallons Daily																		
	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
1	24.0	20.5	20.0	19.5	19.0	19.0	18.0	13.0	10.0	8.0	6.0	5.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0
2	24.0	23.0	19.0	18.5	18.0	17.5	16.5	11.0	7.0	3.5	1.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0
3	24.0	21.5	19.0	18.0	18.0	16.0	10.0	5.0	3.5	1.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
4	24.0	23.0	20.0	18.5	18.0	17.5	16.0	9.0	6.0	4.5	2.0	1.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0
5	24.0	20.5	19.0	18.5	18.0	17.5	14.0	9.0	5.0	4.0	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
6	24.0	20.5	19.0	18.0	18.0	17.5	17.0	12.5	9.5	6.0	3.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	24.0	21.0	19.0	17.0	17.0	16.5	16.0	12.5	7.0	6.0	5.0	2.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0
8	24.0	20.5	19.0	18.5	18.0	17.5	17.5	8.5	7.0	4.0	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
9	24.0	22.0	19.0	18.5	18.0	17.5	15.0	9.5	6.0	2.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
10	24.0	21.0	19.0	18.5	18.0	18.0	11.0	9.0	7.0	4.0	3.0	2.5	1.0	0.5	0.5	0.0	0.0	0.0	0.0
11	24.0	20.0	18.5	18.0	17.0	16.5	15.0	8.0	7.0	4.0	3.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
12	24.0	20.5	19.0	18.0	18.0	17.5	15.0	9.0	6.5	4.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
13	24.0	20.0	18.5	18.0	17.5	17.5	17.0	11.0	9.0	5.0	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	24.0	21.0	19.0	17.0	17.0	16.5	16.0	10.0	7.0	6.0	4.0	2.0	1.5	1.0	0.0	0.0	0.0	0.0	0.0
15	24.0	22.0	19.0	18.5	18.0	17.5	16.5	8.5	5.5	4.0	3.5	3.0	2.0	1.5	0.5	0.0	0.0	0.0	0.0
16	24.0	21.0	18.5	18.0	18.0	17.5	15.0	8.5	5.5	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
17	24.0	20.5	19.0	18.0	18.0	17.5	14.0	9.5	6.0	3.5	2.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
18	24.0	20.0	18.0	17.5	17.5	17.0	12.0	7.0	5.0	3.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
19	24.0	20.0	18.0	18.0	17.5	17.5	13.5	8.5	6.0	4.5	1.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
20	24.0	20.5	19.0	17.5	17.0	17.0	16.0	10.0	7.5	4.5	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	24.0	20.0	19.0	17.5	16.0	16.0	10.0	8.0	6.0	4.0	2.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
22	24.0	20.0	19.0	17.5	17.0	17.0	16.0	12.5	10.5	7.0	6.0	4.0	4.0	3.5	2.5	2.5	2.5	2.5	0.5
23	24.0	20.5	19.0	17.5	17.0	17.0	16.5	14.0	8.0	4.5	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
24	24.0	20.0	19.0	17.0	17.0	16.5	16.5	13.0	6.5	5.5	3.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
25	24.0	21.0	19.0	17.5	16.0	16.0	15.0	12.0	7.0	5.0	4.0	2.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0
26	24.0	22.0	19.0	18.0	16.0	16.0	14.0	8.5	6.5	3.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	24.0	21.0	19.0	18.0	17.0	16.5	16.0	14.0	7.0	4.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	24.0	20.5	18.5	17.0	16.0	15.5	15.0	9.5	6.5	5.5	3.0	2.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0
29	24.0	21.0	19.0	17.5	17.0	16.5	16.5	9.5	7.5	4.0	3.0	3.0	2.5	0.5	0.0	0.0	0.0	0.0	0.0
30	24.0	20.0	19.0	17.5	16.5	16.0	13.5	7.5	6.0	3.0	2.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
Totals	720.0	625.0	568.0	537.0	521.0	509.5	450.0	297.5	204.5	130.0	80.0	48.5	29.5	14.5	4.5	2.5	2.5	2.5	0.5
% of Time	100.0	86.81	78.89	74.58	72.36	70.76	62.50	41.32	28.40	18.06	11.11	6.74	4.10	2.01	0.63	0.35	0.35	0.35	0.07

TABLE B-1

SUMMARY OF THE PERCENTAGES OF TIME -- METER NO. 88
FOR THE YEAR 1943

A GIVEN RATE IS EQUALLED OR EXCEEDED IN EACH MONTH -- 1943

Month	Water Consumption Rates - Millions of Gallons Daily																		
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Jan.	100.0	86.16	74.73	69.89	58.20	37.37	21.10	9.14	2.28	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb.	100.0	79.61	73.66	68.90	52.23	32.89	16.53	7.44	1.34	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar.	100.0	79.67	73.50	69.50	54.17	34.17	19.50	8.50	3.17	0.33	0.17	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr.	100.0	76.52	74.24	69.89	49.81	32.77	17.23	7.20	2.46	0.38	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	100.0	77.96	74.87	69.62	55.65	37.63	21.91	9.68	2.96	0.67	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
June	100.0	91.94	77.64	73.06	66.39	56.25	46.53	33.89	23.89	16.11	11.11	6.94	4.44	3.06	2.22	1.67	1.39	0.97	0.83
July	100.0	99.60	80.11	73.79	67.74	59.81	49.73	40.86	32.53	25.67	20.70	15.60	11.16	8.20	6.59	5.24	4.17	3.49	2.82
Aug.	100.0	89.25	75.81	70.70	65.05	52.96	40.46	28.76	18.82	10.08	4.30	1.75	0.81	0.40	0.13	0.0	0.0	0.0	0.0
Sept.	100.0	87.92	75.28	70.97	66.53	52.36	37.63	24.58	14.58	6.34	2.22	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct.	100.0	83.19	73.79	70.43	65.86	43.55	25.13	10.75	3.23	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov.	100.0	80.97	74.31	70.42	64.17	36.81	20.03	8.33	2.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec.	100.0	80.91	74.60	69.76	64.25	38.84	17.61	7.12	1.75	0.27	0.27	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	100.0	84.78	75.27	70.62	61.27	43.40	28.43	16.75	9.40	5.25	3.41	2.20	1.45	1.02	0.78	0.61	0.49	0.39	0.32

TABLE B-2

YEARLY SUMMARY - 1943 — METER NO. 88

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

Yearly Average Daily Rate: 0.5178 Million Gallons

Month	Water Consumption Rates - Millions of Gallons Daily																		
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
Jan.	744.0	641.0	556.0	520.0	433.0	278.0	157.0	68.0	17.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb.	672.0	535.0	495.0	463.0	351.0	221.0	123.0	50.0	9.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar.	600.0	478.0	441.0	417.0	325.0	205.0	117.0	51.0	19.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr.	528.0	404.0	392.0	369.0	263.0	173.0	91.0	38.0	13.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	744.0	580.0	557.0	518.0	414.0	280.0	163.0	72.0	22.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
June	720.0	662.0	559.0	526.0	478.0	405.0	335.0	244.0	172.0	116.0	80.0	50.0	32.0	22.0	16.0	12.0	10.0	7.0	6.0
July	744.0	741.0	596.0	549.0	504.0	445.0	370.0	304.0	242.0	191.0	154.0	116.0	83.0	61.0	49.0	39.0	31.0	26.0	21.0
Aug.	744.0	664.0	564.0	526.0	484.0	394.0	301.0	214.0	140.0	75.0	32.0	13.0	6.0	3.0	1.0	0.0	0.0	0.0	0.0
Sept.	720.0	633.0	542.0	511.0	479.0	377.0	271.0	177.0	105.0	46.0	16.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct.	744.0	619.0	549.0	524.0	490.0	324.0	187.0	80.0	24.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov.	720.0	583.0	535.0	507.0	462.0	265.0	149.0	60.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec.	744.0	602.0	555.0	519.0	478.0	289.0	131.0	53.0	13.0	3.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	8424.0	7142.0	6341.0	5949.0	5161.0	3656.0	2395.0	1411.0	792.0	445.0	287.0	185.0	122.0	86.0	66.0	51.0	41.0	33.0	27.0
% of Time	100.0	84.78	75.27	70.62	61.27	43.40	28.43	16.75	9.40	5.28	3.41	2.20	1.45	1.02	0.78	0.61	0.49	0.39	0.32
Rate in % of Yearly Average	19.31	38.62	57.94	77.25	96.56	115.9	135.2	154.5	173.8	193.1	212.4	231.7	251.1	270.4	289.7	309.0	328.3	347.6	366.9

TABLE B-3
(Cont'd.) NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

FEBRUARY 1943 -- METER NO. 88

	Water Consumption Rates - Millions of Gallons Daily									
Day	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
1	24.0	19.0	18.0	17.0	13.0	9.0	4.0	1.0	0.0	0.0
2	24.0	19.0	18.0	17.0	13.0	8.0	5.0	3.0	0.0	0.0
3	24.0	19.0	18.0	17.0	12.0	7.0	5.0	2.0	0.0	0.0
4	24.0	19.0	17.0	17.0	12.0	6.0	2.0	1.0	0.0	0.0
5	24.0	19.0	18.0	17.0	13.0	8.0	3.0	1.0	0.0	0.0
6	24.0	20.0	18.0	17.0	14.0	9.0	4.0	1.0	0.0	0.0
7	24.0	20.0	17.0	15.0	13.0	7.0	4.0	2.0	0.0	0.0
8	24.0	19.0	18.0	17.0	12.0	9.0	5.0	3.0	1.0	1.0
9	24.0	20.0	18.0	16.0	11.0	8.0	4.0	2.0	0.0	0.0
10	24.0	19.0	18.0	16.0	10.0	8.0	4.0	1.0	0.0	0.0
11	24.0	18.0	17.0	16.0	10.0	5.0	3.0	1.0	0.0	0.0
12	24.0	19.0	18.0	15.0	12.0	8.0	3.0	1.0	0.0	0.0
13	24.0	19.0	18.0	17.0	13.0	9.0	4.0	1.0	0.0	0.0
14	24.0	19.0	17.0	16.0	12.0	7.0	6.0	2.0	1.0	0.0
15	24.0	18.0	18.0	17.0	12.0	10.0	4.0	1.0	0.0	0.0
16	24.0	21.0	18.0	17.0	15.0	10.0	6.0	1.0	0.0	0.0
17	24.0	19.0	18.0	17.0	14.0	6.0	4.0	2.0	0.0	0.0
18	24.0	19.0	17.0	17.0	12.0	6.0	3.0	2.0	0.0	0.0
19	24.0	19.0	18.0	17.0	13.0	8.0	3.0	1.0	0.0	0.0
20	24.0	19.0	17.0	17.0	13.0	10.0	5.0	2.0	1.0	0.0
21	24.0	20.0	18.0	16.0	13.0	7.0	6.0	2.0	1.0	0.0
22	24.0	19.0	17.0	16.0	12.0	8.0	5.0	3.0	2.0	0.0
23	24.0	19.0	17.0	17.0	11.0	8.0	5.0	2.0	0.0	0.0
24	24.0	19.0	18.0	17.0	12.0	7.0	4.0	2.0	0.0	0.0
25	24.0	19.0	18.0	17.0	15.0	9.0	4.0	1.0	0.0	0.0
26	24.0	19.0	17.0	16.0	12.0	8.0	6.0	3.0	1.0	0.0
27	24.0	18.0	18.0	16.0	14.0	8.0	6.0	4.0	2.0	1.0
28	24.0	19.0	18.0	16.0	13.0	8.0	6.0	2.0	0.0	0.0
Totals	672.0	535.0	495.0	463.0	351.0	221.0	123.0	50.0	9.0	2.0
% of Time	100.0	79.61	73.66	68.90	52.23	32.89	16.53	7.44	1.34	0.30

TABLE B-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

MARCH 1943 -- METER NO. 88

Day	Water Consumption Rates - Millions of Gallons Daily											
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2
1	24.0	18.0	18.0	16.0	13.0	7.0	5.0	4.0	1.0	0.0	0.0	0.0
2	24.0	19.0	18.0	16.0	11.0	8.0	5.0	2.0	1.0	0.0	0.0	0.0
3	24.0	19.0	17.0	16.0	12.0	6.0	3.0	1.0	0.0	0.0	0.0	0.0
4	24.0	18.0	18.0	17.0	12.0	6.0	4.0	1.0	0.0	0.0	0.0	0.0
5	24.0	19.0	18.0	17.0	12.0	10.0	3.0	1.0	0.0	0.0	0.0	0.0
6	24.0	19.0	18.0	17.0	15.0	10.0	3.0	0.0	0.0	0.0	0.0	0.0
7	24.0	21.0	17.0	16.0	12.0	8.0	5.0	2.0	0.0	0.0	0.0	0.0
8	24.0	19.0	17.0	16.0	12.0	7.0	6.0	4.0	1.0	0.0	0.0	0.0
9	24.0	18.0	18.0	17.0	12.0	6.0	4.0	2.0	1.0	0.0	0.0	0.0
10	24.0	19.0	18.0	17.0	11.0	6.0	2.0	1.0	0.0	0.0	0.0	0.0
11	24.0	18.0	18.0	17.0	12.0	9.0	3.0	1.0	0.0	0.0	0.0	0.0
12	24.0	21.0	18.0	18.0	17.0	11.0	8.0	2.0	1.0	0.0	0.0	0.0
13	24.0	19.0	18.0	17.0	14.0	9.0	5.0	2.0	1.0	0.0	0.0	0.0
14	24.0	19.0	17.0	17.0	14.0	8.0	6.0	2.0	1.0	0.0	0.0	0.0
15	24.0	18.0	18.0	17.0	12.0	7.0	5.0	4.0	2.0	0.0	0.0	0.0
16	24.0	21.0	18.0	17.0	17.0	11.0	5.0	2.0	1.0	0.0	0.0	0.0
17	24.0	18.0	17.0	17.0	12.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0
18	24.0	18.0	17.0	16.0	13.0	11.0	10.0	5.0	3.0	2.0	1.0	1.0
19	24.0	21.0	18.0	17.0	16.0	10.0	4.0	2.0	1.0	0.0	0.0	0.0
20	24.0	19.0	18.0	17.0	13.0	8.0	4.0	1.0	0.0	0.0	0.0	0.0
21	24.0	19.0	18.0	16.0	14.0	7.0	6.0	2.0	1.0	0.0	0.0	0.0
22	24.0	19.0	17.0	17.0	14.0	9.0	5.0	4.0	2.0	0.0	0.0	0.0
23	24.0	18.0	17.0	17.0	13.0	8.0	5.0	2.0	1.0	0.0	0.0	0.0
24	24.0	18.0	17.0	16.0	11.0	8.0	5.0	2.0	1.0	0.0	0.0	0.0
25	24.0	19.0	18.0	16.0	11.0	9.0	4.0	2.0	0.0	0.0	0.0	0.0
26)												
27)												
28) ———	Meter gates closed and gate to by-pass opened in order to put											
29) ———	a regulating valve in line.											
30)												
31)												
Totals	600.0	478.0	441.0	417.0	325.0	205.0	117.0	51.0	19.0	2.0	1.0	1.0
% of Time	100.0	79.67	73.50	69.50	54.17	34.17	19.50	8.50	3.17	0.33	0.17	0.17

TABLE B-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

APRIL 1943 -- METER NO. 88

Day	Water Consumption Rates - Millions of Gallons Daily										
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
1)											
2)											
3)											
4)	——— Meter gates closed and gate to by-pass opened in order to put										
5)	——— a regulating valve in line.										
6)											
7)											
8)											
9	24.0	18.0	18.0	16.0	13.0	8.0	4.0	2.0	1.0	0.0	0.0
10	24.0	18.0	18.0	16.0	14.0	8.0	5.0	1.0	0.0	0.0	0.0
11	24.0	18.0	17.0	16.0	12.0	8.0	4.0	2.0	1.0	0.0	0.0
12	24.0	18.0	18.0	17.0	11.0	8.0	5.0	4.0	2.0	0.0	0.0
13	24.0	18.0	18.0	17.0	12.0	7.0	3.0	1.0	1.0	0.0	0.0
14	24.0	18.0	18.0	17.0	12.0	7.0	4.0	1.0	0.0	0.0	0.0
15	24.0	18.0	18.0	17.0	10.0	7.0	3.0	1.0	0.0	0.0	0.0
16	24.0	19.0	18.0	17.0	11.0	8.0	4.0	1.0	0.0	0.0	0.0
17	24.0	19.0	18.0	17.0	14.0	8.0	2.0	0.0	0.0	0.0	0.0
18	24.0	20.0	17.0	16.0	11.0	7.0	5.0	2.0	1.0	0.0	0.0
19	24.0	18.0	17.0	17.0	9.0	6.0	4.0	2.0	0.0	0.0	0.0
20	24.0	19.0	18.0	17.0	9.0	6.0	2.0	0.0	0.0	0.0	0.0
21	24.0	18.0	17.0	17.0	11.0	5.0	3.0	0.0	0.0	0.0	0.0
22	24.0	20.0	19.0	18.0	12.0	7.0	2.0	1.0	1.0	1.0	1.0
23	24.0	18.0	18.0	17.0	11.0	8.0	5.0	2.0	0.0	0.0	0.0
24	24.0	18.0	18.0	17.0	15.0	12.0	7.0	1.0	0.0	0.0	0.0
25	24.0	19.0	18.0	16.0	12.0	8.0	3.0	2.0	0.0	0.0	0.0
26	24.0	18.0	18.0	17.0	15.0	11.0	7.0	5.0	3.0	1.0	0.0
27	24.0	18.0	18.0	17.0	12.0	8.0	5.0	3.0	1.0	0.0	0.0
28	24.0	18.0	17.0	16.0	13.0	9.0	5.0	1.0	0.0	0.0	0.0
29	24.0	18.0	18.0	17.0	13.0	9.0	6.0	4.0	1.0	0.0	0.0
30	24.0	18.0	18.0	17.0	11.0	8.0	3.0	2.0	1.0	0.0	0.0
Totals	528.0	404.0	392.0	369.0	263.0	173.0	91.0	38.0	13.0	2.0	1.0
% of Time	100.0	76.52	74.24	69.89	49.81	32.77	17.23	7.20	2.46	0.38	0.19

TABLE B-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

MAY 1943 -- METER NO. 88

	Water Consumption Rates - Millions of Gallons Daily										
Day	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
1	24.0	19.0	18.0	17.0	15.0	9.0	5.0	2.0	0.0	0.0	0.0
2	24.0	19.0	17.0	16.0	12.0	8.0	6.0	3.0	0.0	0.0	0.0
3	24.0	18.0	18.0	17.0	12.0	7.0	4.0	2.0	1.0	0.0	0.0
4	24.0	19.0	18.0	17.0	12.0	9.0	6.0	3.0	1.0	0.0	0.0
5	24.0	18.0	18.0	17.0	14.0	8.0	4.0	2.0	1.0	0.0	0.0
6	24.0	18.0	18.0	17.0	11.0	8.0	4.0	2.0	1.0	0.0	0.0
7	24.0	18.0	18.0	17.0	16.0	10.0	5.0	2.0	1.0	0.0	0.0
8	24.0	19.0	18.0	18.0	15.0	11.0	6.0	1.0	0.0	0.0	0.0
9	24.0	19.0	18.0	17.0	15.0	9.0	6.0	2.0	0.0	0.0	0.0
10	24.0	18.0	18.0	17.0	13.0	11.0	4.0	3.0	2.0	1.0	1.0
11	24.0	18.0	18.0	17.0	11.0	6.0	3.0	2.0	1.0	0.0	0.0
12	24.0	18.0	18.0	16.0	12.0	7.0	4.0	1.0	0.0	0.0	0.0
13	24.0	18.0	18.0	17.0	13.0	10.0	6.0	4.0	1.0	0.0	0.0
14	24.0	19.0	18.0	17.0	12.0	9.0	5.0	2.0	0.0	0.0	0.0
15	24.0	18.0	18.0	17.0	15.0	10.0	8.0	2.0	0.0	0.0	0.0
16	24.0	19.0	18.0	16.0	14.0	9.0	4.0	1.0	0.0	0.0	0.0
17	24.0	19.0	18.0	17.0	15.0	11.0	7.0	5.0	1.0	0.0	0.0
18	24.0	19.0	18.0	16.0	15.0	9.0	6.0	2.0	1.0	0.0	0.0
19	24.0	18.0	18.0	16.0	13.0	7.0	4.0	3.0	0.0	0.0	0.0
20	24.0	19.0	18.0	16.0	12.0	8.0	3.0	1.0	0.0	0.0	0.0
21	24.0	19.0	18.0	16.0	12.0	9.0	4.0	3.0	1.0	0.0	0.0
22	24.0	19.0	18.0	17.0	15.0	9.0	4.0	0.0	0.0	0.0	0.0
23	24.0	19.0	17.0	16.0	14.0	10.0	6.0	2.0	0.0	0.0	0.0
24	24.0	20.0	19.0	17.0	13.0	9.0	7.0	5.0	4.0	1.0	0.0
25	24.0	19.0	18.0	17.0	14.0	9.0	5.0	2.0	1.0	0.0	0.0
26	24.0	19.0	18.0	17.0	9.0	6.0	3.0	1.0	0.0	0.0	0.0
27	24.0	19.0	18.0	16.0	12.0	8.0	4.0	1.0	0.0	0.0	0.0
28	24.0	19.0	18.0	17.0	14.0	10.0	6.0	3.0	2.0	1.0	0.0
29	24.0	19.0	18.0	17.0	15.0	12.0	9.0	2.0	0.0	0.0	0.0
30	24.0	20.0	19.0	17.0	14.0	9.0	5.0	2.0	0.0	0.0	0.0
31	24.0	18.0	17.0	16.0	15.0	13.0	10.0	6.0	3.0	2.0	0.0
Totals	744.0	580.0	557.0	518.0	414.0	280.0	163.0	72.0	22.0	5.0	1.0
% of Time	100.0	77.96	74.87	69.62	55.65	37.63	21.91	9.68	2.96	0.67	0.13

TABLE B-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

JUNE 1943 -- METER NO. 88

Day	Water Consumption Rates - Millions of Gallons Daily																		
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
1	24.0	19.0	18.0	17.0	13.0	8.0	5.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	24.0	19.0	17.0	17.0	15.0	10.0	7.0	4.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	24.0	19.0	18.0	17.0	16.0	12.0	9.0	6.0	4.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
4	24.0	19.0	18.0	17.0	15.0	10.0	9.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	24.0	19.0	18.0	17.0	16.0	15.0	15.0	12.0	9.0	5.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
6	24.0	19.0	18.0	17.0	15.0	14.0	13.0	12.0	11.0	7.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	24.0	19.0	18.0	17.0	14.0	8.0	5.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	24.0	18.0	18.0	17.0	16.0	10.0	6.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	24.0	19.0	18.0	17.0	16.0	11.0	9.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	24.0	19.0	18.0	17.0	15.0	13.0	7.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	24.0	23.0	18.0	17.0	15.0	12.0	9.0	5.0	3.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
12	24.0	22.0	19.0	18.0	17.0	15.0	14.0	12.0	11.0	6.0	4.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
13	24.0	24.0	19.0	17.0	15.0	10.0	8.0	8.0	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	24.0	23.0	19.0	18.0	16.0	15.0	10.0	9.0	6.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	24.0	24.0	19.0	18.0	16.0	15.0	7.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	24.0	23.0	19.0	18.0	16.0	14.0	13.0	4.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	24.0	24.0	19.0	17.0	15.0	14.0	13.0	9.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	24.0	24.0	19.0	18.0	17.0	15.0	9.0	4.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	24.0	24.0	19.0	18.0	17.0	15.0	13.0	5.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	24.0	24.0	19.0	17.0	16.0	13.0	12.0	9.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	24.0	24.0	19.0	18.0	17.0	16.0	13.0	9.0	7.0	5.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	24.0	24.0	18.0	18.0	17.0	15.0	14.0	10.0	6.0	4.0	3.0	3.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0
23	24.0	24.0	19.0	17.0	16.0	15.0	14.0	11.0	8.0	5.0	3.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
24	24.0	23.0	19.0	18.0	17.0	16.0	15.0	15.0	12.0	6.0	5.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0
25	24.0	24.0	20.0	19.0	17.0	17.0	16.0	16.0	15.0	14.0	12.0	8.0	5.0	5.0	4.0	4.0	4.0	3.0	3.0
26	24.0	24.0	19.0	18.0	17.0	16.0	15.0	14.0	14.0	14.0	13.0	12.0	8.0	5.0	4.0	3.0	2.0	1.0	0.0
27	24.0	24.0	20.0	18.0	17.0	16.0	14.0	13.0	12.0	12.0	11.0	6.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0
28	24.0	24.0	19.0	18.0	17.0	16.0	15.0	15.0	14.0	14.0	10.0	6.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0
29	24.0	24.0	19.0	18.0	16.0	14.0	13.0	8.0	6.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	24.0	23.0	19.0	18.0	16.0	15.0	13.0	8.0	4.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	720.0	662.0	559.0	526.0	478.0	405.0	335.0	244.0	172.0	116.0	80.0	50.0	32.0	22.0	16.0	12.0	10.0	7.0	6.0
% of Time	100.0	91.94	77.64	73.06	66.39	56.25	46.53	33.89	23.89	16.11	11.11	6.94	4.44	3.06	2.22	1.67	1.39	0.97	0.83

TABLE B-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

JULY 1943 -- METER NO. 88

Day	Water Consumption Rates - Millions of Gallons Daily																		
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
1	24.0	23.0	19.0	18.0	17.0	16.0	15.0	14.0	9.0	5.0	4.0	3.0	3.0	2.0	2.0	2.0	1.0	0.0	0.0
2	24.0	24.0	19.0	17.0	16.0	16.0	15.0	14.0	13.0	10.0	5.0	4.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0
3	24.0	24.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	13.0	12.0	12.0	9.0	6.0	5.0	4.0	3.0	3.0	2.0
4	24.0	24.0	19.0	17.0	15.0	14.0	14.0	13.0	12.0	11.0	11.0	10.0	6.0	5.0	2.0	0.0	0.0	0.0	0.0
5	24.0	24.0	19.0	17.0	15.0	12.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	24.0	24.0	19.0	17.0	16.0	15.0	11.0	6.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	24.0	24.0	19.0	17.0	16.0	12.0	7.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	24.0	24.0	19.0	17.0	16.0	14.0	10.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	24.0	24.0	20.0	19.0	17.0	16.0	16.0	14.0	9.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	24.0	24.0	19.0	18.0	17.0	15.0	15.0	14.0	13.0	13.0	11.0	6.0	5.0	5.0	4.0	3.0	2.0	2.0	1.0
11	24.0	24.0	20.0	18.0	17.0	15.0	14.0	13.0	13.0	11.0	11.0	10.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0
12	24.0	24.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	13.0	9.0	7.0	5.0	4.0	4.0	3.0	3.0	2.0	2.0
13	24.0	24.0	19.0	17.0	17.0	16.0	11.0	9.0	8.0	7.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	24.0	24.0	19.0	18.0	17.0	15.0	15.0	14.0	12.0	6.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
15	24.0	24.0	19.0	18.0	17.0	16.0	15.0	15.0	14.0	9.0	6.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0	2.0
16	24.0	24.0	19.0	18.0	17.0	16.0	15.0	13.0	13.0	9.0	6.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	1.0
17	24.0	24.0	20.0	18.0	17.0	16.0	15.0	15.0	14.0	14.0	13.0	12.0	8.0	6.0	4.0	4.0	3.0	2.0	2.0
18	24.0	24.0	20.0	18.0	17.0	16.0	15.0	14.0	14.0	13.0	13.0	13.0	11.0	8.0	6.0	5.0	4.0	4.0	4.0
19	24.0	24.0	19.0	19.0	17.0	16.0	16.0	15.0	15.0	15.0	15.0	11.0	9.0	5.0	4.0	4.0	3.0	3.0	3.0
20	24.0	24.0	24.0	19.0	16.0	16.0	15.0	14.0	13.0	12.0	8.0	3.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
21	24.0	24.0	19.0	18.0	18.0	17.0	16.0	16.0	15.0	14.0	14.0	12.0	8.0	6.0	6.0	5.0	5.0	5.0	3.0
22	24.0	24.0	21.0	18.0	16.0	14.0	7.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	24.0	24.0	18.0	18.0	15.0	11.0	6.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	24.0	24.0	19.0	18.0	15.0	14.0	13.0	11.0	5.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	24.0	24.0	19.0	16.0	15.0	13.0	12.0	11.0	7.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	24.0	24.0	19.0	18.0	15.0	12.0	7.0	4.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	24.0	24.0	19.0	18.0	17.0	15.0	10.0	9.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	24.0	24.0	19.0	17.0	16.0	14.0	11.0	7.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	24.0	24.0	18.0	17.0	16.0	9.0	5.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	24.0	22.0	18.0	18.0	15.0	9.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	24.0	24.0	18.0	17.0	15.0	13.0	8.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	744.0	741.0	596.0	549.0	504.0	445.0	370.0	304.0	242.0	191.0	154.0	116.0	83.0	61.0	49.0	39.0	31.0	26.0	21.0
% of Time	100.0	99.60	80.11	73.79	67.74	59.81	49.73	40.86	32.53	25.67	20.70	15.60	11.16	8.20	6.59	5.24	4.17	3.49	2.82

TABLE B-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

AUGUST 1943 -- METER NO. 88

Day	Water Consumption Rates - Millions of Gallons Daily														
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5
1	24.0	22.0	18.0	16.0	15.0	12.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	24.0	22.0	18.0	17.0	17.0	15.0	12.0	8.0	6.0	3.0	2.0	1.0	0.0	0.0	0.0
3	24.0	22.0	18.0	18.0	17.0	14.0	12.0	7.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0
4	24.0	22.0	18.0	18.0	16.0	13.0	7.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
5	24.0	24.0	18.0	17.0	16.0	12.0	7.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	24.0	21.0	19.0	18.0	16.0	15.0	12.0	8.0	4.0	2.0	2.0	0.0	0.0	0.0	0.0
7	24.0	24.0	19.0	17.0	15.0	14.0	13.0	12.0	11.0	4.0	0.0	0.0	0.0	0.0	0.0
8	24.0	23.0	18.0	17.0	15.0	14.0	13.0	12.0	9.0	5.0	1.0	0.0	0.0	0.0	0.0
9	24.0	21.0	18.0	17.0	16.0	15.0	13.0	11.0	8.0	4.0	2.0	1.0	1.0	0.0	0.0
10	24.0	21.0	19.0	17.0	13.0	7.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	24.0	20.0	18.0	17.0	14.0	9.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	24.0	21.0	18.0	16.0	14.0	9.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	24.0	20.0	18.0	18.0	17.0	8.0	5.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
14	24.0	21.0	18.0	17.0	15.0	13.0	6.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	24.0	20.0	17.0	15.0	14.0	8.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	24.0	20.0	18.0	17.0	15.0	9.0	4.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
17	24.0	21.0	18.0	17.0	15.0	13.0	8.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
18	24.0	23.0	19.0	17.0	16.0	12.0	7.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
19	24.0	21.0	19.0	17.0	17.0	15.0	10.0	7.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0
20	24.0	24.0	18.0	17.0	17.0	15.0	12.0	8.0	6.0	3.0	1.0	0.0	0.0	0.0	0.0
21	24.0	20.0	18.0	17.0	16.0	14.0	13.0	12.0	11.0	7.0	3.0	1.0	0.0	0.0	0.0
22	24.0	22.0	19.0	17.0	15.0	14.0	12.0	12.0	11.0	7.0	4.0	1.0	0.0	0.0	0.0
23	24.0	21.0	18.0	17.0	17.0	16.0	14.0	14.0	10.0	8.0	5.0	3.0	2.0	2.0	1.0
24	24.0	23.0	18.0	17.0	16.0	14.0	13.0	11.0	8.0	5.0	1.0	0.0	0.0	0.0	0.0
25	24.0	21.0	18.0	17.0	16.0	15.0	14.0	9.0	5.0	3.0	3.0	2.0	1.0	0.0	0.0
26	24.0	21.0	18.0	17.0	16.0	14.0	13.0	11.0	6.0	3.0	2.0	1.0	1.0	0.0	0.0
27	24.0	20.0	18.0	17.0	16.0	11.0	7.0	6.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0
28	24.0	22.0	19.0	17.0	16.0	14.0	13.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
29	24.0	21.0	18.0	17.0	15.0	13.0	12.0	11.0	8.0	2.0	0.0	0.0	0.0	0.0	0.0
30	24.0	20.0	18.0	16.0	15.0	13.0	13.0	12.0	7.0	6.0	3.0	1.0	0.0	0.0	0.0
31	24.0	20.0	18.0	17.0	16.0	14.0	14.0	13.0	10.0	8.0	3.0	2.0	1.0	1.0	0.0
Totals	744.0	664.0	564.0	526.0	484.0	394.0	301.0	214.0	140.0	75.0	32.0	13.0	6.0	3.0	1.0
% of Time	100.0	89.25	75.81	70.70	65.05	52.96	40.46	28.76	18.82	10.08	4.30	1.75	0.81	0.40	0.13

TABLE B-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

SEPTEMBER 1943 -- METER NO. 88

	Water Consumption Rates - Millions of Gallons Daily											
Day	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2
1	24.0	20.0	19.0	17.0	16.0	11.0	7.0	2.0	1.0	0.0	0.0	0.0
2	24.0	21.0	18.0	17.0	16.0	8.0	2.0	0.0	0.0	0.0	0.0	0.0
3	24.0	20.0	18.0	17.0	16.0	10.0	5.0	4.0	2.0	2.0	1.0	0.0
4	24.0	20.0	18.0	17.0	15.0	12.0	4.0	0.0	0.0	0.0	0.0	0.0
5	24.0	21.0	17.0	16.0	15.0	8.0	4.0	2.0	1.0	0.0	0.0	0.0
6	24.0	22.0	18.0	17.0	16.0	13.0	10.0	5.0	2.0	0.0	0.0	0.0
7	24.0	21.0	18.0	17.0	16.0	14.0	14.0	9.0	7.0	3.0	1.0	1.0
8	24.0	21.0	19.0	17.0	16.0	13.0	6.0	4.0	2.0	1.0	0.0	0.0
9	24.0	20.0	18.0	17.0	16.0	15.0	14.0	9.0	7.0	3.0	1.0	0.0
10	24.0	20.0	18.0	17.0	16.0	14.0	12.0	12.0	8.0	5.0	2.0	0.0
11	24.0	20.0	18.0	18.0	16.0	14.0	13.0	12.0	12.0	7.0	3.0	0.0
12	24.0	24.0	19.0	17.0	15.0	12.0	12.0	10.0	7.0	6.0	1.0	0.0
13	24.0	20.0	18.0	17.0	17.0	15.0	14.0	12.0	8.0	4.0	2.0	1.0
14	24.0	23.0	18.0	17.0	15.0	13.0	13.0	10.0	5.0	1.0	0.0	0.0
15	24.0	20.0	18.0	17.0	16.0	11.0	4.0	2.0	0.0	0.0	0.0	0.0
16	24.0	20.0	18.0	17.0	16.0	13.0	9.0	7.0	3.0	0.0	0.0	0.0
17	24.0	21.0	18.0	18.0	17.0	12.0	9.0	5.0	1.0	0.0	0.0	0.0
18	24.0	22.0	18.0	18.0	17.0	13.0	11.0	3.0	1.0	0.0	0.0	0.0
19	24.0	22.0	18.0	15.0	15.0	13.0	10.0	6.0	3.0	1.0	0.0	0.0
20	24.0	20.0	18.0	17.0	16.0	14.0	12.0	9.0	5.0	3.0	2.0	1.0
21	24.0	21.0	18.0	17.0	16.0	14.0	12.0	7.0	6.0	1.0	0.0	0.0
22	24.0	20.0	18.0	17.0	14.0	9.0	4.0	2.0	0.0	0.0	0.0	0.0
23	24.0	21.0	18.0	17.0	16.0	12.0	8.0	5.0	2.0	0.0	0.0	0.0
24	24.0	22.0	18.0	18.0	17.0	11.0	6.0	4.0	1.0	0.0	0.0	0.0
25	24.0	22.0	18.0	17.0	16.0	14.0	8.0	4.0	2.0	0.0	0.0	0.0
26	24.0	21.0	18.0	17.0	16.0	13.0	8.0	6.0	2.0	0.0	0.0	0.0
27	24.0	21.0	18.0	17.0	17.0	16.0	10.0	7.0	6.0	2.0	1.0	0.0
28	24.0	24.0	18.0	17.0	17.0	14.0	13.0	10.0	6.0	4.0	1.0	0.0
29	24.0	21.0	18.0	17.0	16.0	14.0	11.0	7.0	4.0	3.0	1.0	0.0
30	24.0	22.0	18.0	17.0	16.0	12.0	6.0	2.0	1.0	0.0	0.0	0.0
Totals	720.0	633.0	542.0	511.0	479.0	377.0	271.0	177.0	105.0	46.0	16.0	3.0
% of Time	100.0	87.92	75.28	70.97	66.53	52.36	37.63	24.58	14.58	6.34	2.22	0.42

TABLE B-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

OCTOBER 1943 ,-- METER NO. 88

	Water Consumption Rates - Millions of Gallons Daily									
Day	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
1	24.0	19.0	18.0	17.0	16.0	13.0	6.0	2.0	1.0	0.0
2	24.0	22.0	19.0	17.0	17.0	15.0	10.0	3.0	0.0	0.0
3	24.0	24.0	19.0	18.0	17.0	14.0	8.0	6.0	2.0	0.0
4	24.0	22.0	18.0	17.0	16.0	13.0	7.0	5.0	3.0	1.0
5	24.0	24.0	18.0	17.0	17.0	12.0	7.0	5.0	2.0	0.0
6	24.0	21.0	18.0	17.0	16.0	11.0	6.0	4.0	2.0	1.0
7	24.0	19.0	17.0	17.0	16.0	11.0	6.0	4.0	1.0	0.0
8	24.0	19.0	18.0	17.0	15.0	10.0	6.0	3.0	1.0	0.0
9	24.0	19.0	18.0	17.0	17.0	13.0	9.0	4.0	1.0	0.0
10	24.0	21.0	17.0	16.0	15.0	10.0	8.0	3.0	1.0	0.0
11	24.0	18.0	18.0	17.0	17.0	10.0	6.0	4.0	3.0	0.0
12	24.0	19.0	18.0	17.0	16.0	11.0	7.0	3.0	1.0	0.0
13	24.0	19.0	18.0	17.0	16.0	9.0	6.0	4.0	1.0	0.0
14	24.0	19.0	18.0	17.0	15.0	10.0	6.0	2.0	0.0	0.0
15	24.0	20.0	17.0	17.0	16.0	10.0	4.0	1.0	0.0	0.0
16	24.0	20.0	18.0	17.0	17.0	12.0	6.0	1.0	0.0	0.0
17	24.0	20.0	17.0	16.0	15.0	9.0	6.0	2.0	1.0	0.0
18	24.0	19.0	18.0	17.0	16.0	9.0	6.0	3.0	1.0	0.0
19	24.0	19.0	18.0	17.0	16.0	9.0	7.0	1.0	0.0	0.0
20	24.0	19.0	17.0	17.0	15.0	9.0	5.0	1.0	0.0	0.0
21	24.0	18.0	17.0	17.0	16.0	10.0	6.0	3.0	1.0	0.0
22	24.0	20.0	18.0	17.0	15.0	9.0	4.0	1.0	0.0	0.0
23	24.0	20.0	18.0	17.0	15.0	13.0	6.0	2.0	0.0	0.0
24	24.0	21.0	18.0	16.0	15.0	9.0	7.0	2.0	1.0	0.0
25	24.0	19.0	18.0	18.0	16.0	9.0	5.0	3.0	1.0	0.0
26	24.0	19.0	17.0	17.0	16.0	10.0	3.0	0.0	0.0	0.0
27	24.0	20.0	17.0	16.0	15.0	8.0	4.0	1.0	0.0	0.0
28	24.0	19.0	17.0	17.0	16.0	7.0	3.0	1.0	0.0	0.0
29	24.0	21.0	17.0	17.0	16.0	9.0	6.0	3.0	0.0	0.0
30	24.0	20.0	18.0	17.0	16.0	11.0	5.0	1.0	0.0	0.0
31	24.0	20.0	17.0	16.0	13.0	9.0	6.0	2.0	0.0	0.0
Totals	744.0	619.0	549.0	524.0	490.0	324.0	187.0	80.0	24.0	2.0
% of Time	100.0	83.19	73.79	70.43	65.86	43.55	25.13	10.75	3.23	0.27

TABLE B-3
(Cont'd.) NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

NOVEMBER 1943 -- METER NO. 88

	Water Consumption Rates - Millions of Gallons Daily								
Day	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
1	24.0	21.0	18.0	17.0	16.0	9.0	5.0	3.0	2.0
2	24.0	19.0	18.0	17.0	15.0	8.0	3.0	1.0	0.0
3	24.0	19.0	17.0	17.0	16.0	9.0	4.0	1.0	0.0
4	24.0	21.0	17.0	17.0	16.0	10.0	5.0	3.0	1.0
5	24.0	20.0	18.0	17.0	15.0	8.0	4.0	2.0	0.0
6	24.0	21.0	18.0	17.0	15.0	10.0	6.0	2.0	0.0
7	24.0	19.0	17.0	17.0	15.0	9.0	6.0	2.0	1.0
8	24.0	19.0	18.0	17.0	14.0	7.0	4.0	2.0	1.0
9	24.0	20.0	18.0	17.0	15.0	7.0	3.0	1.0	0.0
10	24.0	20.0	18.0	17.0	16.0	8.0	6.0	3.0	1.0
11	24.0	20.0	18.0	16.0	14.0	8.0	4.0	1.0	0.0
12	24.0	19.0	18.0	17.0	15.0	9.0	5.0	1.0	0.0
13	24.0	19.0	18.0	17.0	16.0	10.0	5.0	1.0	0.0
14	24.0	20.0	17.0	16.0	15.0	8.0	5.0	2.0	1.0
15	24.0	19.0	18.0	17.0	15.0	8.0	6.0	4.0	1.0
16	24.0	20.0	18.0	17.0	15.0	6.0	3.0	1.0	0.0
17	24.0	19.0	18.0	17.0	15.0	9.0	6.0	2.0	0.0
18	24.0	18.0	18.0	16.0	15.0	12.0	6.0	3.0	1.0
19	24.0	19.0	18.0	17.0	16.0	11.0	6.0	2.0	1.0
20	24.0	19.0	18.0	18.0	15.0	9.0	6.0	2.0	1.0
21	24.0	19.0	17.0	16.0	15.0	8.0	6.0	2.0	0.0
22	24.0	19.0	18.0	18.0	17.0	10.0	6.0	1.0	0.0
23	24.0	19.0	18.0	16.0	16.0	8.0	5.0	1.0	0.0
24	24.0	20.0	19.0	18.0	17.0	12.0	5.0	2.0	0.0
25	24.0	20.0	18.0	17.0	16.0	10.0	5.0	4.0	2.0
26	24.0	18.0	18.0	17.0	14.0	8.0	5.0	3.0	1.0
27	24.0	19.0	18.0	17.0	16.0	11.0	5.0	2.0	0.0
28	24.0	20.0	17.0	16.0	15.0	8.0	6.0	2.0	1.0
29	24.0	19.0	18.0	17.0	17.0	7.0	5.0	3.0	1.0
30	24.0	19.0	18.0	17.0	15.0	8.0	3.0	1.0	0.0
Totals	720.0	583.0	535.0	507.0	462.0	265.0	149.0	60.0	16.0
% of Time	100.0	80.97	74.31	70.42	64.17	36.81	20.03	8.33	2.15

TABLE B-3
(Cont'd.)

NUMBER OF OCCURRENCES OF VARIOUS WATER CONSUMPTION RATES
EQUAL TO OR GREATER THAN THE RATES INDICATED
(1 Hour Average)

DECEMBER 1943 -- METER NO. 88

	Water Consumption Rates - Millions of Gallons Daily												
Day	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3
1	24.0	19.0	18.0	17.0	16.0	8.0	5.0	2.0	1.0	0.0	0.0	0.0	0.0
2	24.0	20.0	18.0	17.0	15.0	7.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
3	24.0	20.0	18.0	16.0	15.0	8.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
4	24.0	20.0	18.0	17.0	16.0	11.0	7.0	4.0	2.0	1.0	0.0	0.0	0.0
5	24.0	20.0	18.0	16.0	15.0	9.0	6.0	3.0	1.0	0.0	0.0	0.0	0.0
6	24.0	19.0	18.0	17.0	16.0	10.0	5.0	3.0	1.0	0.0	0.0	0.0	0.0
7	24.0	18.0	18.0	17.0	15.0	9.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0
8	24.0	19.0	18.0	18.0	15.0	8.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0
9	24.0	18.0	17.0	16.0	14.0	8.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
10	24.0	19.0	18.0	17.0	15.0	9.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0
11	24.0	19.0	18.0	16.0	15.0	8.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
12	24.0	18.0	17.0	17.0	15.0	9.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0
13	24.0	19.0	18.0	16.0	14.0	8.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0
14	24.0	19.0	18.0	16.0	12.0	8.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
15	24.0	19.0	17.0	16.0	15.0	9.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0
16	24.0	19.0	18.0	17.0	16.0	10.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0
17	24.0	20.0	19.0	18.0	16.0	9.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
18	24.0	21.0	18.0	17.0	16.0	12.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0
19	24.0	20.0	17.0	16.0	15.0	11.0	6.0	2.0	1.0	0.0	0.0	0.0	0.0
20	24.0	19.0	18.0	17.0	16.0	11.0	6.0	3.0	0.0	0.0	0.0	0.0	0.0
21	24.0	19.0	17.0	16.0	16.0	9.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0
22	24.0	20.0	18.0	17.0	16.0	8.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
23	24.0	20.0	19.0	17.0	16.0	8.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
24	24.0	19.0	18.0	17.0	17.0	12.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0
25	24.0	24.0	19.0	17.0	15.0	9.0	4.0	2.0	1.0	0.0	0.0	0.0	0.0
26	24.0	19.0	17.0	16.0	15.0	8.0	5.0	2.0	1.0	0.0	0.0	0.0	0.0
27	24.0	19.0	18.0	17.0	17.0	10.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0
28	24.0	19.0	18.0	17.0	16.0	11.0	6.0	4.0	1.0	0.0	0.0	0.0	0.0
29	24.0	19.0	18.0	17.0	15.0	9.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0
30	24.0	19.0	18.0	17.0	16.0	10.0	6.0	2.0	2.0	2.0	2.0	2.0	1.0
31	24.0	19.0	18.0	17.0	17.0	13.0	6.0	3.0	1.0	0.0	0.0	0.0	0.0
Totals	744.0	602.0	555.0	519.0	478.0	289.0	131.0	53.0	13.0	3.0	2.0	2.0	1.0
% of Time	100.0	80.91	74.60	69.76	64.25	38.84	17.61	7.12	1.75	0.40	0.27	0.27	0.13

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(1) Annual Reports of the Water Commissioners of the Town of Belmont, Massachusetts, 1887 - 1946.

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(3) Venturi Meter Charts for Meters #88 and #110, on file at the Metropolitan District Commission, Boston, Massachusetts.

(4) Information from the Metropolitan District Commission on Water Consumption during 1943.

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(6) Municipal Water Consumption Variations by Hedley Patterson (Thesis Study at Massachusetts Institute of Technology- 1945)